The Food and Environment Research Agency

FINAL REPORT

Exposure of reptiles to plant protection products

A Report to EFSA

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Lot 1

Steve Fryday and Helen Thompson[1]

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[1]Tel 44 1904 462515; Fax 44 1094 462111; email Helen.Thompson@fera.gsi.gov.uk

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1. INTRODUCTION

Reptiles may be exposed to pesticides by various oral routes including feeding on contaminated food, taking solid formulations as food or grit or drinking contaminated water. They may also be exposed directly during pesticide applications (e.g. by being over-sprayed or by inhalation) or by coming into contact with the contaminated environment (e.g. contaminated soil, plants or surface water).

In order to estimate the potential dietary exposure of reptiles it is necessary to obtain estimates of daily food intake. The recent scientific opinion of the PPR panel on risk assessment for birds and mammals (EFSA 2008) recommends the use of allometric equations to estimate the daily energy requirements and hence food intake of birds and mammals for which this information is not known.

The aims of this project were to:

1. Provide information useful for risk assessment on a range of European species of reptile that might be at risk of exposure.

2. To develop allometric equations for daily energy expenditure (DEE) and daily water flux for reptiles (similar to those developed for birds and mammals) that take account of information published since the reviews of Nagy and Peterson (1988) and Nagy et al. (1999).

3. Identify other possible routes of exposure.

The findings for these are presented along with some recommendations about how they may be used and additional research that would assist in exposure assessment.

2. METHODS

2.1. Literature search

A literature survey was conducted by the Fera Information Centre using a list of search terms as detailed in Appendix 1. Further searches were made of the US EPA Ecotox database, the Reptile and Amphibian Toxicity Literature database (RATL), and key publications and reviews including Campbell and Campbell (2000), Pauli and Money (2000) and Sanchez-Hernandez (2001). Also, previous reviews of energy expenditure and water flux such as Nagy and Peterson (1988) and Nagy et al. (1999) were checked for any publications not found in online searches. The search terms used in the Information Centre search are listed in Appendix 1.

2.2. Allometric equations

All data found on DEE and water flux associated with bodyweight for reptiles were collated and used to calculate a mean value for each species. In many cases this required recalculation of values into the correct units (kJ/d or ml/d) from the published values that were often weight adjusted (e.g. $kJ/kg^{0.8}/d$ or ml/kg/d W/kg etc.).

For each species the values of DEE or water flux and body weight were combined to provide an average value so that each species appeared only once in the final dataset for analysis. Data were excluded if they were from inactive animals either identified as hibernating, estivating or overwinter values. Data from hatchling and juvenile animals were also excluded (as Nagy et al. 1999).

Desert species were assigned as in Nagy et al. (1999) or using information in the publication (e.g. habitat description or rainfall <250mm/year).

2.3. Other routes of exposure

The available literature was reviewed to identify other routes of exposure and how they might be assessed. The results of this are presented along with those for dietary and drinking water exposure.

3. RESULTS

3.1. Literature search

All references found in the main search and others found during the course of the study are listed in Appendix 2 indicating those used in this study. Reference ID numbers refer to the numbers used in the endnote database provided with this report. Gaps in these numbers are due to removal of duplicates as references obtained from elsewhere were removed from the final list.

3.2. Species accounts

Species of reptile from three groups, tortoises/turtles, lizards and snakes were selected on the basis of their distribution in Europe (preference given to those that were widespread) and association with agricultural habitats. The latter proved difficult to fulfil due to the apparent scarcity of information detailing use of farmland. In most cases the associations were with grassland, field edges, hedgerows and ditches. Only one general species account found specifically mentioned an association with cultivated land and that was the Hermann's tortoise (*Testudo hermanni*). Unfortunately this species distribution is mainly limited to southern Europe so a more widespread species, the European pond terrapin, was also included in this group. This species has a much wider distribution and may be exposed both on land and by contaminated surface water. One study in southern Sweden (Madsen 1984) suggested that arable land was used at times by grass snakes (*Natrix natrix*).

One of the most useful pieces of information in assessing exposure to pesticides is the likely body weight of exposed individuals. For reptiles, studies often provide only size data, usually in terms of snout to vent length (SVL) as total length can be quite variable and also affected by tail autotomy and re-growth. Where possible, data on both bodyweight and body length have been provided.

Sources for information used were published information (including field guides) although many sources of basic information are available on the web e.g.

JCVI Reptile database	http://www.jcvi.org/reptiles/search.php
Reptiles and amphibians of France	http://www.herpfrance.com/
ARKive	http://www.arkive.org/
Atlas of amphibians and reptiles in Europe (distribution maps)	http://www.seh-herpetology.org/atlas/reptiles.htm

3.2.1. Tortoises/turtles

3.2.1.1. European pond terrapin or European pond tortoise, *Emys orbicularis*

Distribution

Most of Europe except north and parts of centre. Found on Majorca, Minorca, Corsica, Sardinia and Sicily. Absent from the Aegean except Thasos and Samothraki. Introductions outside of natural range common and may include those populations in Denmark, Germany and surrounding areas.	Arnold and Ovenden (2002)
Germany, Austria, Switzerland, Poland, Hungary, Albania, Yugoslavia, Czech Republic, Slovakia, Italy, Sardinia, S France, Corsica, Spain, Balearic Islands: Menorca, Portugal, Greece (including Limnos, Lesbos, Corfu, Samothraki), Turkey, Bulgaria, Romania, Iran (Caspian Sea), Soviet Union, Latvia, Lithuania, Morocco, Algeria, Tunisia.	JCVI Reptile Database

Habitat

Still or slow moving water with a good growth of aquatic plants and overhanging vegetation including ponds, rivers, canals, bogs, ditches and brackish areas. Reaches an altitude of 1400m in Sicily.	Arnold and Ovenden (2002)

Home range/density

Estimated density of a population in southern Hungary was 142-228 individuals per hectare.	Balazs and Gyorffy (2006)
In a study in Southern Tuscany, Italy most animals (n = 63) living along a canal focused activity over a 30m section of the canal although some (n= 8) had larger ranges but not exceeding 300m.	Lebborini and Chelazzi (2000)

Life cycle

Usually emerges from hibernation by around the end of March. Mating from March to May depending on region. Young may emerge in autumn or remain in the nest until the following spring. Requires hot summers to breed successfully in the north of its range.	ARKive
Lay 3-18 eggs (normally 9-10) leathery eggs 30-40mm by 18-20mm in cavity some considerable distance from water. In north of range only breeds successfully in hot summers (c. every 4-5y). Eggs hatch in 2-4 months.	Arnold and Ovenden (2002)
Central Italy: Mean clutch size 5.8 (+/- 0.3 SE, n = 15), mean egg length 32.2mm (+/- 0.5, n = 26), egg width 18.5mm (+/- 0.1, n = 26).	Zuffi et al. (1999)
Central Italy: Reproductive females found from mid-May to mid-July.	Zuffi et al. (1999)

Active phase/behavior

Semi- aquatic spending a considerable part of its time basking on the banks of water bodies or on large stones, tree trunks etc.	Capula et al. (1994)

Bodyweight/size

Hatchlings 2-2.5cm shell length. Mature adults (6-13y males, 18-20y females) 12cm shell length. Adults shell length usually up to 20cm but can reach 30cm.	Arnold and Ovenden (2002)
Southern Hungary: Mean mass of males 381.1+/- 84.5g (SD, n = 500, range 82-809.2g), mean mass of females 676.3+/- 215.1g (SD, n = 508, range 95-1121g). Mean carapace length of males was 131.1mm (+/- 11.2) and of females was 153.6mm (+/- 19.9).	Balazs and Gyorffy (2006)
Central Italy: Reproductive females were found to have mean carapace length of 138.5cm (+/- 1.4) and mean weight of 483.4g (+/- 14.6) (n = 25). Values for non-reproductive females were 130.0mm (+/- 1.7) and 399.4g (+/- 14.8) (n = 24).	Zuffi et al. (1999)
Central Italy: Mean carapace length of 155 females in a study population was 131.7mm (+/- 1.0) and of 66 males was 125.9 (+/- 1.0) (+/- SE).	Zuffi et al. (1999)

Diet

Invertebrates, amphibians (including tadpoles)	Arnold and Ovenden (2002)
While mainly carnivorous, older animals may also feed on plant material, particularly in the post-breeding season.	Ficetola and De Bernadi (2006)

3.2.1.2. Hermann's tortoise, *Testudo hermanni*

Distribution

Balkan peninsula (mainly south of the Danube), Ionian Islands, some parts of Italy, Sicily, Elba, Pianosa, Corsica, Sardinia, Balearic islands (Majorca and Minorca, perhaps Formentera), south-east France and north-eastern Spain. Introductions elsewhere.	Arnold and Ovenden (2002)
NE Spain (incl. Balearics), S France (incl. Corsica), Italy (incl. Sardina, Sicily, Elba, Pianosa, Lampedusa island), Albania, coastal "Yugoslovia", Croatia (including some Adriatic islands),Bosnia and Hercegowina, Monte Negro, Macedonia, Serbia,Bulgaria, Romania, Greece (incl. the Ionian Islands, Corfu), E Turkey	JCVI Reptile Database

Habitat

Restricted to areas with hot summers. Lush meadows, cultivated land, scrub-covered hillsides, light woodland, stabilised dune areas, rubbish dumps. Occurs up to 600m in west of range, up to 1500m SE Europe	Arnold and Ovenden (2002)

Home range/density

Males have home range of around 2ha, females half this. Occur at densities up to 10/ha in east of range.	Arnold and Ovenden (2002)
Northern Greece: Daily movements ranged from 1 to over 450m. Daily mean for males 80m and for females 85m. Home range around 1.8ha.	Hailey (1989)

Table 1. Movements and home range in two populations of *Testudo hermanni* as reported in Longepierre et al. (2001). (+/- SD)

Measurement	Sex	France	Greece
Distance moved on active days (m)	Males	60 (+/- 30)	69 (+/- 16)
	Females	106 (+/- 53)	98 (+/- 50)
Weekly home range area (ha)	Males	1.2 (+/- 1.1)	0.32 (+/- 0.17)
	Females	2.1 (+/- 2.0)	0.41 (+/- 0.34)

Life cycle

Emerges from hibernation in late February, mating begins soon afterwards. Eggs laid in nests in soil May to July. Young emerge following after the start of autumn rains. If rains do not come or egg laying was late, young may stay in nest until the following spring	ARKive
One or two clutches of 3-12 eggs, averages around 3 in west of range and 5 in the east. Eggs 30-45mm by 20-30mm. Eggs hatch in 2-3 months.	Arnold and Ovenden (2002)

Active phase/behavior

Northern Greece: Active season between late March and early November.	Hailey (1989)

Bodyweight/size

Hatchlings c.3.5cm shell length. Mature males (8-12y) have 12-13cm shell length. Mature females (11-13y) have 15cm shell length. Adults usually up tp about 20cm shell length, males smaller than females.	Arnold and Ovenden (2002)
Northern Greece: Adult tortoises in a study population had carapace lengths from 14 to 18cm weighing from 500-1200g.	Hailey (1989)
Allometric equations defining the relationship between bodyweight and carapace length have been developed for each month through the active period by Hailey (2000).	Hailey (2000)
Southern France: Mean mass of 18 animals in a study of movements was 591g.	Longepierre et al. (2001)
Detailed information about carapace length and bodyweight in tortoises from different areas and the effects of latitude are available in Willemsen and Hailey (1999).	Willemsen and Hailey (1999)

Diet

Includes leguminous plants (wild peas, lupins, beans etc.), also composites, labiates, grasses and fruits.	Arnold and Ovenden (2002)

3.2.2. Lizards

3.2.2.1. Slow worm, *Anguis fragilis*

Distribution

Found over almost the whole of mainland of Europe but not southern Spain and Portugal, southern Greece, most Mediterranean islands, Ireland or the extreme north of the continent. Also east to west Siberia, Caucasus, north Asiatic Turkey and north-west Iran.	Arnold and Ovenden (2002)
Finland, Norway, Sweden, England, Denmark, Germany, Austria, Switzerland, Belgium, Luxemburg, Netherlands, Portugal, Spain, France, Italy, Czech Republic, Slovakia, Hungary, Albania, Bulgaria, Greece (incl. Corf), Yugoslavia: Croatia, Slovenia, Bosnia and Hercegowina, Monte Negro, Macedonia, Serbia, Poland, Romania, Turkey (from Trabzon, Hopa) [Clark & Clark 1973], Soviet Union: Russia, Belarus, Ukraine, Moldova, Lithuania, Latvia, Estonia, Caucasus, central and S Europe, Asia Minor, N Iran, Algeria, Tunisia	JCVI Reptile Database

Habitat

Well vegetated habitats with extensive ground cover, damp (not wet). Pastures, glades in woods (including edges of these habitats), lush scrub-land, on heaths, hedge-banks, motorway/railway embankments, gardens and parks. Up to 2000m in south of range and 2400m in Alps.	Arnold and Ovenden (2002)
From lowlands to 2300m in Austria, mostly low lying temperate grasslands on base-rich soils (Not tolerant of very short grass, intensive agriculture, dense forest or woodlands.	Spellerberg (2002)

Home range/density

Can occur at densities of 600-2000/ha	Arnold and Ovenden (2002)
Daily movements have been found to average around 2m.	Spellerberg (2002)

Life cycle

May hibernate communally or with other reptiles,	Arnold and Ovenden (2002)
Males hibernate form end of October to March, females/juveniles end October to April. Females and juveniles emerge during April. Mating probably April to June. Young found from end of August onwards. By end of October all ages have returned to winter refuges.	Spellerberg (2002)
Females often breed every other year. Give birth to 6-12 (range 3-26) live young after 2-3 months. West European males breed at 3 or 4y, females at 4 or 5y.	Arnold and Ovenden (2002)
Males sexually active from May to June and evidence of mating in females (mating scars) found from mid-May onwards. Young (typically 8) born from August to September. In Britain females breed every other year.	Spellerberg (2002)

Active phase/behaviour

Much time spent in dense vegetation and below surface in roots and loose soil. Active in evening and after rain. Can be active in cool conditions of about 15C. May bask in patches of sun between plants but more often under vegetation or other sun-warmed objects.	Arnold and Ovenden (2002)
Estimates of mean body temperature in the field range from 22.6°C to 26.6°C.	Spellerberg (2002)

Bodyweight/size

At birth, 6-10cm long. Females breed when length approaches 30cm. Adults up to 50cm in length but usually smaller, especially if tail broken.	Arnold and Ovenden (2002)
In Europe have been found at 52cm long but usually much smaller. In England SVL has been found to be up to 20cm (up to 25cm on offshore islands. Average weight of young is 0.5g. Young of around 11cm increase in length by about 1.5-2cm in a year.	Spellerberg (2002)

Males become mature when about 15cm and 4 years old, females at 15cm and 5 years *(assume SVL)*	

Diet

Small slugs and snails, earthworms. Also arthropods and small reptiles.	Arnold and Ovenden (2002)
Slugs, worms and other small invertebrates (spiders, beetles, millipedes and woodlice). In Italy may take pseudoscorpions as well as spiders and beetles. In Spain prey includes fly larvae, woodlice and millipedes.	Spellerberg (2002)
NE Italy: Studied population diet consisted of 2.10% Diptera, 5.20% Lepidoptera (larvae), 9.37% Coleoptera (larvae), 4.17% Coleoptera (adults), 4.17% Homoptera, 6.25% Araneidae, 33.33% Oligochaeta, 35.41% Gastropoda (slugs and snails).	Luisella (1992)

Food intake

Females do not seem to feed in the later stages of pregnancy and may be emaciated at birth.	Spellerberg (2002)

3.2.2.2. Sand lizard, *Lacerta agilis*

Distribution

Most of Europe north to south and north-west England and southern Scandinavia, but rare or absent in much of west and south-east France, and from Italy, European Turkey, most of Greece and nearly all of the Iberian peninsula. Also eastwards to central Asia and Mongolia.	Arnold and Ovenden (2002)
Austria, Switzerland, Germany, France, Denmark, Sweden, SE Norway, Czech Republic (formerly Czechoslovakia), Hungary, Bulgaria, Greece, Albania, N Balkan, Netherlands, Belgium, Luxemburg, S England, NE Italy, Croatia, Bosnia-Hercegowina, Serbia, Macedonia, Bulgaria, N Greece, Romania, E Poland, Belorussia, Belarus, W Russia (in the north up to S Karelia and SE Finland, NE Caucasus), Russia (north of the Caucasus Mts., east up to Lake Baikal), Ukraina (east of the Dnjepr River and W Ukraina), Armenia, NE Turkey, Kazakhstan, Kirgistan (south up to Issyk Kul), NW China (W Xinjiang), Caucasian coast of the Black Sea in Russia near Sochi, Georgia (coastal region and upper Iori River in the Caucasus Mts.), Moldova, Latvia, Estonia, Lithuania, Azerbaijan, NW Mongolia	JCVI Reptile Database

Habitat

Lowland species in north of range, up to 2000m in the south Fairly dry habitats including meadows, steppe, field-edges, road embankments, grassland with occasional low bushes, rough grazing, hedgerows, crops and gardens. In the north of its range mainly restricted to coastal sand dunes with some plant cover and sandy heaths. In south of range partly montane occurring in upland pastures and alpine areas. Usually found in or near dense vegetation but this is often lower and more sparse than that required for other species.	Arnold and Ovenden (2002)
Open deciduous woodland, heathlands, grasslands, sand dunes, hedges and roadside verges. Requires dense ground cover and conditions where females can burrow for their eggs.	Spellerberg (2002)

Home range/density

Can occur at densities of 10-300/ha	Arnold and Ovenden (2002)
Home range can be up to 2000m^2. Usually found in discrete populations but individuals may migrate over some hundreds of metres.	Spellerberg (2002)
Mean annual density over a period of seven years was 97.9/ha (SD 10.5) at a river dune top site in the Netherlands.	Strijbosch and Creemers (1988)

Life cycle

Hibernation mid-October to end of March. Emerges from winter quarters towards the end of March, males usually first. Mating takes place in May. June to July females select nest sites, construct nests in shallow burrows and lay eggs. Hatchlings emerge in August. All ages return to over wintering sites by mid-October.	Spellerberg (2002)
Lay 4-14 eggs (usually 5-6). In north and central Europe these are buried in sandy ground exposed to the sun. Single clutches common in cool areas, two per year in warmer areas. Eggs are 12-15mm by 7-10mm at laying swelling to 20 x 15mm.	Arnold and Ovenden (2002)
Require south facing slopes less than 30° slope for successful breeding. Average clutch size 5-6 eggs but old adults can lay up to 13. Eggs about 15mm long and laid at a depth of 7-10cm most likely to survive. Incubation 55 to 70 days depending on temperature.	Spellerberg (2002)

Active phase/behavior

Largely a ground lizard.	Arnold and Ovenden (2002)
Average body temperature during normal activity is 31°C.	Spellerberg (2002)

Bodyweight/size

Hatchlings 2-3.5cm SVL. Adults SVL up to 9cm, tail 1.3-1.7 times body length. Males mature in 1-2y, females in 3y at about 7-8cm SVL.	Arnold and Ovenden (2002)
Adults 6-8cm SVL and weigh 10-12g. Tail approx 1.5 times body length.	Spellerberg (2002)

Table 2. Size and weight measured in a population of *Lacerta agilis* from farmland in Poland (Ekner et al. 2008). (+/- SD)

Measurement	Yearlings	Sub-adults	Males	Females
	n = 25	n = 9	n = 52	n = 37
Body length (mm)	38.65 (+/- 4.61) (32.70-53.10)	43.90 (+/- 4.88) (36.20-54.20)	66.52 (+/- 7.54) (47.50-81.00)	73.50 (+/- 10.34) (24.00-86.00)
Body mass (g)	1.68 (+/- 0.53) (1.00-3.60)	2.10 (+/- 0.61) (1.40-3.20)	9.33 (+/- 2.75) (3.20-16.00)	11.23 (+/- 3.02) (4.90-18.10)

Diet

Beetles, spiders, flies and ants most common. Can stalk and capture large butterflies and beetles. Have been known to kill and eat juvenile lizards.	Spellerberg (2002)

3.2.2.3. European green lizard, *Lacerta viridis*

Distribution

Much of the southern half of Europe extending north to most of France, the Channel Islands, west and south Switzerland, south and east Austria, parts of the Czech Republic and Slovakia and northern Ukraine including the Dneiper Valley. Also isolated populations in the Rhine valley and east Germany. Extends south to north Spain, Sicily, and north and central Greece. Not known from many Mediterranean islands, but present on Elba, Corfu, Euboa, Thasos, Skiathos and Samothraki.	Arnold and Ovenden (2002)
Austria (Kärnten, Steiermark, Burgenland, Nieder-Österreich, Ober-Österreich), Poland, S Switzerland, SE Germany (Danube river), NE Germany (Brandenburg), Czech Republic (formerly Czechoslovakia), Balkan Peninsula incl. Slovenia, Croatia, islands Cres and Trstenik, Turkey (eastern coast of the Black Sea and central coast of Black Sea), European Turkey (including region of Marmara Sea), E Romania, E Bulgaria, NE Greece (incl. Samothraki), Moldova, SW Ukraine	JCVI Reptile Database

Habitat

Typically dense bushy vegetation exposed to sun e.g. open woods, hedgerows, wood and field edges, bramble thickets, overgrown embankments. In south of range often restricted to damp or highland areas up to 2200m. In north of range often found on heath with bushes.	Arnold and Ovenden (2002)
Found in sunny, sparsely wooded areas, shrub-dominated landscapes, or grassland with some brambles, gorse and bracken. Also, dense hedgerows and overgrown embankments.	Spellerberg (2002)

Home range/density

Up to 200/ha.	Arnold and Ovenden (2002)
In good habitats home range is about 30-50m in diameter.	Spellerberg (2002)

Life cycle

Emerges from wintering sites March to April depending on temperature. Mating about three weeks after emergence. Eggs laid 4-6 weeks after mating in May or June. In some localities (e.g. northwest France there are two phases of mating and two phases of egg laying in May and June. 6-21 eggs laid and incubation is 2.5-3.5 months depending on temperature.	Spellerberg (2002)
Lays 6-23 eggs in a clutch. Eggs 13-20mm by 8-12mm and hatch in 7-15 weeks.	Arnold and Ovenden (2002)

Active phase/behavior

Hunts and climbs in dense vegetation. May take refuge in bushes, rodent burrows and crevices.	Arnold and Ovenden (2002)
Has two foraging peaks during the day. Forages amongst dense herbaceous vegetation and under the edges of shrubs. Frequently moves into nearby grassland and fairly open areas to forage. From May to July body temperature is 33C with little diel variation.	Spellerberg (2002)

Bodyweight/size

Hatchlings 3-4cm SVL (7-9cm total length). Sexually mature in second springs when females about 8cm SVL. Adults up to 13cm SVL, tail often twice body length or more.	Arnold and Ovenden (2002)
About 13-14cm body length, tail often twice this so total length may be 30-40cm.	Spellerberg (2002)
Breeding age reached after the second winter.	Spellerberg (2002)
Average bodyweight of 21 animals caught in Brittany, France was 25.5g. Nine adults had an average weight of 34.3g (SE =2.0), 12 subadults had a mean weight of 14.8g (SE = 1.1).	Bradshaw et al. (1987)
Captive bred adults from stock caught in France had mean mass 35.0g (32.5-37.5) with meant total length of 331mm (SVL 109mm). Juveniles were 4.6g (3.4-5.8), total length 176mm (SVL 58.5mm).	Avery et al. (1987b)

Diet

Mainly invertebrates but also fruit and eggs/nestlings of small birds at times.	Arnold and Ovenden (2002)
Many types of invertebrates both larval and adult. Also, small fruits and eggs of small birds.	Spellerberg (2002)

3.2.2.4. Common wall lizard, *Podarcis muralis*

Distribution

Mainland Europe north to France, south Belgium and extreme southern Netherlands, Rhine Valley, south and east Austria, Slovakia and Romania. South to central Spain, southern Italy and south Balkan peninsula. Occurs on islands of The Atlantic coast of Spain and France (including the Channel Islands) and islands off nort-west Italy. Absent from the Aegean except for Samothraki and perhaps Thasos.	Arnold and Ovenden (2002)
Austria, Czechia, Slovakia, Hungary, Romania, Italy (incl. Elba), Slovenia, Croatia, Bosnia-Hercegowina, Croatia (Slavonia), Cres island, Serbia, Macedonia, Albania, Bulgaria, Greece (incl. Samothraki), Turkey (NW Anatolia), Spain, France, Belgium, SE Netherlands, W Germany, Switzerland, United Kingdom (England, introduced)	JCVI Reptile Database

Habitat

Restricted to sheltered sunny locations in the north, and to mountainous areas (up to 2500m) in the south of its range. Found in drier and less grassy habitats than *Lacerta vivipara*, but may use humid, semi-shaded areas in south. Rocky situations, boulders, outcrops, field and garden walls, parapets, on trees. In south on overgrown screes, path sides, road banks, cliff bases and sunny slopes in broad-leaved woodland. More associated with human habitations than any other lacertids.	Arnold and Ovenden (2002)
Places with warm, sheltered banks, rock faces, scree slopes and trunks of trees. May inhabit river valleys at higher altitudes.	Spellerberg (2002)

Home range/density

SW France: Average density over a three year period in a cemetery study site was 531/ha (excluding hatchlings).	Barbault and Mou (1988)

Life cycle

Females lay 2-3 clutches per year but can be only one in mountain areas and up to six in warmer parts of the range. Each clutch contains 2-10 (usually around 6) eggs 10-12mm by 5-8mm at laying, swelling to 14-15 by 11-12mm. Eggs hatch in 6-11 weeks.	Arnold and Ovenden (2002)
Timing of breeding variable. In France mating occurs March to mid-April, whereas in Germany and the Netherlands this may be as late as mid-June. Eggs (2 – 10) laid in soil from end of April to mid-August depending on region. Some females may lay two or three clutches per year. Incubation six weeks to five months depending on temperature (usually six to tem weeks). Optimum temperature for incubation is 28°C.	Spellerberg (2002)

Active phase/behavior

Generally remains within a short distance of a refuge, one study found this to be 0.8m. Diurnally active for around 255 days each year. In northern parts of the range activity periods from march to November have been found. May move distances of 10 to 90m. For normal activity, body temperature is maintained at 33 to 36°C.	Spellerberg (2002)
A population in Tuscany was active for 255 days of the year.	Avery (1978)

Bodyweight/size

Up to 7.5cm SVL with tail 1.7 to 2.3 this length. Hatchlings 2.5-3cm SVL.	Arnold and Ovenden (2002)
Grows to about 7cm SVL with tail up to twice body length.	Spellerberg (2002)
Captive bred adults from stock caught in France had mean mass 3.5g (3.3-3.7) with mean total length of 145mm (SVL 54mm).	Avery et al. (1987b)
SW France: Mean SVL in yearling males and females was 53.7 and 50.9mm respectively. Mean SVL for adult males was 64.4mm and females was 63.4mm.	Barbault and Mou (1988)
Morphometric measurements on an experimental group of 10 males with original tails were: SVL 59.3mm (SD 2.73), tail length 126.0mm (SD 4.18), total body mass 6.7g (SD 0.91), tail mass 1.9g (SD 0.67).	Brown et al. (1995)
Belgium: Morphometric measurements on animals caught were mean female body mass 4.40g (SD 1.46, n = 21, range 2.12-6.72), male body mass 4.73g (SD 1.29, n = 16, range 3.13-8.02). Female SVL 55.55mm (SD 6.35, n = 21), male SVL 56.25 (SD 5.56, n = 16).	Herrel et al. (2001)

Diet

Insects, mainly flies, but also true bugs, bees, wasps, earwigs, beetles and grasshoppers. Also amphipods, spiders, worms and molluscs. Young animals may consume more spiders.	Spellerberg (2002)

Food intake

Daily food consumption estimated using: $C = 34.6W^{0.65}$ in August $C = 19.3W^{0.71}$ in cooler weather in April Where C = consumption in mg dry weight per day and W = live weight in g.	Avery (1978)

3.2.2.5. Common lizard, *Lacerta vivipara* or *Zootoca vivipara*

Distribution

Most of Europe including Arctic Scandinavia, Britain and Ireland, but absent from the Mediterranean area. Extends south to north Spain, north Italy, and Macedonia and south-west Bulgaria.	Arnold and Ovenden (2002)
Norway, Sweden, Finland, Switzerland, Germany, France, Austria, Denmark, Poland, Czech Republic, Hungary, Yugoslavia: Croatia, Slovenia, Bosnia and Hercegowina, Monte Negro, Macedonia, Serbia, Romania, Bulgaria, Belgium, Netherlands, Luxembourg, England, Ireland, N Spain. In the north beyond the Arctic Circle, in the south up to N Italy, Russia (E Siberia, Sakhalin Island), Estonia, Latvia, Lithuania, Ukraine.	JCVI Reptile Database

Habitat

Requires a humid environment and often found in grass or other dense herbaceous plants. In the south of range it is often montane living up to an altitude of around 2500m. Here it is mostly found in moist situations such as alpine meadows, wet ditches, marshes, edges of damp woods, rice fields etc. In the north it is more widespread, being found in open woods, field edges, heaths, bogs, grassland and sand dunes, on sea cliffs, hedge banks, railway embankments and gardens. Occurs further north than any other reptile (reaching 70°N in Norway).	Arnold and Ovenden (2002)
Woodlands, heathlands, sand dunes, roadside verges, hedges, urban gardens. In south extends up to 3000m and associated with wet meadows, marshes and streams.	Spellerberg (2002)

Home range/density

Sometimes occurs at 100-1000/ha in northern Europe.	Arnold and Ovenden (2002)
Mean annual density over a period of seven years was 93.6/ha (SD 20.0) at a river dune top site in the Netherlands.	Strijbosch and Creemers (1988)

Life cycle

Hibernation from end of October (or later for some juveniles) to mid-February (males). Males emerge as early as mid-February. Mating occurs during April and May. Gestation takes about three months, young born July to August. Most have sought shelter by the end of October but some juveniles may remain for weeks longer. Over-winter in tree trunks, plant litter and beneath logs and stones.	Spellerberg (2002)
In most places gives birth to 3–11 (usually 7-8) fully formed young after 6-13 weeks. Pregnant females bask often to increase rate of development. In Spain and south-west France lays 1-13 (usually 5-7) eggs 10-12mm x 8-10mm sometimes deposited communally which develop in 4-5 weeks. Egg laying also seen in Slovenia. Rate of development different in different parts of range. In the north, males become sexually mature after second hibernation and females after the third. In parts of France, 50% of males become sexually mature in their first year.	Arnold and Ovenden (2002)
5-8 young born (mean 7.7). In most localities gives birth to live young but at Bagneres-de-Bigorre in the Central Pyrenees this species has been known to aly eggs and in the Cantabrica Mountains of Spain, populations are permanently oviparous. Sexual maturity is reached before the second winter and in south of range up to 50% may be able to breed at one year old.	Spellerberg (2002)
Mean clutch size 7.74 (n = 50, range 3-11).	Avery (1975)

Active phase/behavior

Ground dwelling lizard but may climb vegetation. Swims well alternating basking with active hunting forays.	Arnold and Ovenden (2002)
Voluntary body temperature measured in the laboratory ranges from 27.3-32.4°C and is higher in spring and autumn than summer.	Spellerberg (2002)
Maintain body temperature of 30.2°C (+/- 2.5) while the sun is shining and when unable to maintain this they retreat underground and do not feed.	Avery (1971)
In one year there were 132 days when lizards fed regularly (sunny days), 42 days when they fed sporadically (changeable days) and 191 days when they did not feed.	Avery (1971)

Bodyweight/size

Up to 6.5cm SVL. Tail 1.3 to 2 times as long. Young/hatchlings 1.5 to 2.5 cm SVL.	Arnold and Ovenden (2002)
Larger specimens up to 6cm SVL with tails almost twice as long as the body. Young about 2cm SVL	Spellerberg (2002)
Minimum size of reproductive females SVL 43-45mm usually reached in third or fourth season.Mean hatchling weight ranged from 0.172 to 0.190g in different years.	Bauwens and Verheyen (1987)
Belgium: Morphometric measurements on animals caught were mean female body mass 2.59g (SD 0.74, n = 17, range 1.23-4.32), male body mass 3.04g (SD 0.54, n = 20, range 2.44-4.00). Female SVL 50.44mm (SD 5.21, n = 17), male SVL 49.69 (SD 3.09, n = 20).	Herrel et al. (2001)

Table 3. Size and weight measured in a population of *Lacerta vivipara* from farmland in Poland (Ekner et al. 2008). (+/- SD)

Measurement	**Yearlings**	**Sub-adults**	**Males**	**Females**
	n = 14	n = 54	n = 40	n = 45
Body length (mm)	33.91 (+/- 2.89) (28.00-37.00)	37.71 (+/- 3.26) (30.30-44.00)	46.14 (+/- 6.48) (33.00-56.90)	51.76 (+/- 8.31) (33.80-69.00)
Body mass (g)	1.49 (+/- 1.03) (0.70-4.40)	1.50 (+/- 0.78) (0.70-5.50)	3.05 (+/- 1.71) (1.30-12.15)	3.37 (+/- 1.13) (1.40-6.00)

Table 4. Measurements of female *Lacerta vivipara* and offspring size (from Sorci et al 1995).

	Mean	SD	Range	N
Offspring SVL (mm)	21.30	0.872	17-23	537
Offspring body mass (g)	0.189	0.021	0.086-0.244	539
Female SVL (mm)	62.59	3.277	58-74	107
Female mass at capture (g)	5.27	0.925	3.16-7.58	107
Female mass after parturition (g)	3.06	0.543	1.19-4.52	106
Female age (y)	2.87	1.282	2-10	107
Litter size (no. eggs)	5.67	1.344	3-10	107

Diet

Spiders and homoptera (e.g. leaf hoppers) seem to be the most important food items for this species.	Spellerberg (2002)
In the west of England spiders were the principal food and Homoptera were important in the summer months. In September the diet of juveniles was similar except prey was smaller.	Avery (1966)

Food intake

Avery (1971) developed predictions of food consumption based on a diet of homoptera and spiders on sunny (body temperature maintained at 30°C for 5h and at 16°C for the remainder of the day) and on changeable days (body temperature maintained at 30°C for 0.5h and at 16°C for the remainder of the day). Different estimates were produced for adults and juveniles where the energetic cost of growth was estimated.

Estimated food consumption of Lacerta vivipara in different weather conditions (Avery 1971).

Conditions	**Daily food consumption (mg dry weight/g live weight)**	
	Adult	Juvenile
Sunny days	16.5	28.1
Changeable days	9.4	16.0

Assimilation efficiency estimated as 89% for this species.	Avery (1971)

3.2.3. Snakes

3.2.3.1. Smooth snake, *Coronella austriaca*

Distribution

Southern England, France and north and central Iberian peninsula (isolated records from further south), east to south Scandinavia and Russian Federation and south to Italy, Sicily, and Greece.	Arnold and Ovenden (2002)
Finland, S Norway, Sweden, Belgium, Netherlands, Luxemburg, Germany, Austria, Switzerland, S England, N Spain, N Portugal, France, Italy, Poland, Czech Republic (formerly Czechoslovakia), Hungary, Yugoslavia: Croatia, Slovenia, Bosnia and Hercegowina, Monte Negro, Macedonia, Serbia, Romania, Bulgaria, Greece (incl. Samothraki), Albania, Turkey, Russia, Estonia, Latvia, Lithuania, Belarus, Ukraine, Moldova, Armenia, Georgia, Azerbaijan, W Kazakhstan, N Asia Minor, N Iran	JCVI Reptile Database

Habitat

England and other northern areas, sandy heathland with stands of old heather. Elsewhere, hedgerows, wood edges, open woods, bushy and rocky slopes, embankments. In southern parts of range, found in more open situations often where vegetation is sparse including screes, stone piles, cliffs and rock cuttings living in crevices. In south may inhabit moist areas. In north of range occurs down to sea level but in south tends to be montane found up to 1800m (up to 2600m in southern Spain).	Arnold and Ovenden (2002)
In NW Europe habitat contains three main components, soil and litter in which to burrow, dense ground vegetation in which to thermoregulate and an upper layer of scrub/woodland in which to hunt. In southern parts of the range may be found in rocky places.	Spellerberg (2002)

Home range/density

In England, home range may be 0.5-3ha with snakes only moving 13-100m.in a day	Arnold and Ovenden (2002)
Tends to remain within a small area with daily movements 15-100m. Estimated average home range in mixed forest/heathland 9690m^2, in open heathland 985m^2. In the UK estimated population densities range from 0.9/ha (forest-heathland) to 1.9/ha (open heathland)	Spellerberg (2002)

Life cycle

Overwinters below ground October to March. Emerge from wintering areas in March (can be as early as mid-February or as late as mid-April depending on temperature, mating takes place during May and June. Young born in September or October. Returns to wintering site by end of October	Spellerberg (2002)
Mating takes place in spring and in the south may occur again in summer with the young being carried through hibernation. In the north females breed every two or three years.	Arnold and Ovenden (2002)

Active phase/behavior

Avoids extreme heat, often active in the cooler parts of the day in warm cloudy conditions and at night when warm. Often basks under cover. Ground dwelling but may climb bushy vegetation such as heather	Arnold and Ovenden (2002)
Preferred body temperature 29-33°C.	De Bont et al. (1986)

Bodyweight/size

Usually up to 70cm, sometimes 80cm. Females larger than males. Young are 12-21cm long growing to about 30-40cm in the third year. Males mature in 2.5-3 years in the south, 4 years in the north. Females take longer.	Arnold and Ovenden (2002)
At birth less than 20cm long and weigh 2.2 – 3.8g. This weight is doubled in the first year. Take at least three years before reaching sexual maturity.	Spellerberg (2002)
Neonates averaged 15.01 cm length (SD = 0.66, n = 28 litters) and 2.87 g (SD = 0.47, n = 28 litters). Detailed information on reproductive output and adult and offspring morphology are given in the paper.	Luiselli et al. (1996)
Detailed information on body size and weight of snakes of different ages from western Poland are available in Najbar (2006)	Najbar (2006)
Measurements 18 neonates found under refuges in the south of England. Mean SVL, tail length and mass (±1 g) of was 14.6 cm (SD=0.92, *n*=18, range= 13.1–16.7 cm), 3.1 cm (SD=0.33, *n*=18, range=2.4–3.5 cm) and 2.6 g (SD=0.51, *n*=18, range=2.0–3.0 g), respectively.	Reading (2004)

Table 5. Morphometric measurements from a population of *Coronella austriaca* in southern England (Goddard 1984).

Group	N	SVL (SE)	Tail length (SE)	Body weight (SE)
		(cm)	(cm)	(g)
Immature males		25.38 (2.45)	6.81 (0.32)	10.86 (2.91)
Immature females		22.30 (7.03)	4.57 (0.36)	6.71 (2.75)
Mature males		40.28 (0.17)	11.63 (0.03)	36.88 (1.23)
Mature females		42.27 (0.66)	8.81 (0.02)	47.68 (6.38)* 31.46 (8.02)**

* breeding females, N=25
** non-breeding females, N=13

Diet

Lizards (often making up 70% of diet) especially lacertids up to the size of half grown green lizards (Lacerta viridis). Also slow worms and skinks in the south. Remainder of diet made up of small mammals, small snakes, reptile eggs and nestling birds. Females more likely to take non-lizard prey. Young snakes may also eat insects.	Arnold and Ovenden (2002)
In one study where 41 snakes took 63 prey items, 15 of these were common lizards with the remainder made up of rodents and other small mammals including nestling rodents and shrews.	Spellerberg (2002)

Table 6. Prey items collected from *Coronella austriaca* in Italy July- September (from Luiselli et al. 1996).

Prey type		**Male snakes**		**Female snakes**	
		<30 cm	>30 cm	<30 cm	>30 cm
Invertebrates	Oligochaetes	0	0	1	0
	Orthopterans	2	0	1	0
Lizards	**Anguis fragilis**	3	11	1	8
	Lacerta vivipara	11	46	8	16
Snakes	**Coronella austriaca**	0	0	0	2
	Vipera berus	0	0	0	1
Mammals	**Apodemus sylvaticus**	0	2	0	5

3.2.3.2. Aesculapian Snake, *Elaphe longissima* or *Zamenis longissimus*

Distribution

France except north, west and south Switzerland, south and east Austria, south-east Czech Republic, Slovakia, south-east Poland, and Ukraine, south to north-west Spain (as far west as Santander province), central Italy and southern Greece although absent from the Aegean islands. Also a few isolated localities in Germany near Heidelberg and one in the north-west Czech republic, possibly west Sardinia.	Arnold and Ovenden (2002)
NW Spain, France, Italy, S Switzerland, Germany (Taunus, Neckar river, Passau, Salzach-river, Berchtesgaden), S Austria (except Tirol and Vorarlberg), Czechoslovakia, Poland, Hungary, Romania, Bulgaria, N Turkey, Greece (incl. Corfu = Corfou), Yugoslavia: Croatia (including some Adriatic islands), Slovenia, Bosnia and Hercegowina, Monte Negro, Macedonia, Serbia, S Slovakia, Albania, S Czech Republic, Georgia, NW Iran, Moldavia, S Russia: south to Kuban river, SW Ukraine, N Asia Minor, S Moldova, Azerbaijan	JCVI Reptile Database

Habitat

Often dry habitats such as sunny woods, shrubby vegetation, field borders etc. Also on old walls, ruins, stony banks and hay stacks. In north restricted to sheltered south-facing slopes on light soils and river valleys. In south can be found in humid places. Occurs up to 2000m.	Arnold and Ovenden (2002)

Home range/density

Males can travel up to 2km in the breeding season.	Arnold and Ovenden (2002)

Life cycle

Most females seem to breed every year. Clutches of 2-18 (often 5-11) eggs 35-60mm x 17-25mm. Eggs laid in holes in trees, soil and sometimes communally in fermenting material often with grass snake eggs.	Arnold and Ovenden (2002)

Active phase/behavior

Diurnal but sometimes active on hot evenings. Adept climber.	Arnold and Ovenden (2002)

Bodyweight/size

Adults up to 200cm including tail but usually under 140cm. Hatchlings 12-37cm Males mature at around 100cm, females lay at around 85cm.	Arnold and Ovenden (2002)

Diet

Small mammals (especially mice and voles but also squirrels), lizards and birds (especially nestlings). Young often eat lizards.	Arnold and Ovenden (2002)

Table 7. Diet of *Elaphe longissima* found in a study in Italy (Luiselli and Rugiero (1993).

Prey	**N**	**%N**
Reptiles		
Podarcis muralis	6	17.64
Podarcis sp.	1	2.95
Lacerta viridis	2	5.88
Lacertidae sp.	2	5.88
Reptilia sp.	1	2.95
Mammals		
Mus domesticus	3	8.82
Muridae sp.	10	39.40
Rodentia sp.	6	17.64
Mammalia sp.	2	5.88
Undetermined	1	2.95

Food intake

Adults may take a prey item every three days in summer.	Arnold and Ovenden (2002)

3.2.3.3. Grass snake, *Natrix natrix*

Distribution

Nearly all of Europe, north to southern Norway and Sweden (with isolated populations on the coast of the Gulf of Bothnia and old records as far north as 67°N), southern Finland and Russia. Absent from some islands, such as Ireland, the Balearics, Malta, Crete, and some Cyclades.	Arnold and Ovenden (2002)
Norway, Sweden, Finland, England, France (Corsica), Belgium, Netherlands, Luxemburg, Germany, Poland, Czech Republic (formerly Czechoslovakia), Denmark, Austria, Switzerland, Hungary, Romania, Yugoslavia: Croatia (including some adriatic islands), Slovenia, Bosnia and Hercegowina, Monte Negro, Macedonia, Serbia, Albania, Bulgaria, Greece (Limnos, Lesbos, Paros, Antiparos, Despotiko, Chios, Samos, Samothraki, Andros, Corfu), Turkey, Cyprus, Italy (incl. Elba), Spain, Portugal, N Iran, Syria, USSR/Soviet Union, NW China (Xinjiang), Morocco, Algeria, Tunisia, Russia, Estonia, Latvia, Lithuania, Belarus, Moldova, Ukraine, Armenia, Georgia, Azerbaijan, Kazakhstan, Turkmenistan, NW Mongolia; elevations 0-3000 m.	JCVI Reptile Database

Habitat

Damp habitats including moist fields and woods. In south occurs up to 2400m and usually near water. In north Europe mainly lowlands, sometimes in relatively dry woods, hedgerows and meadows. Can also occur on sea coasts.	Arnold and Ovenden (2002)
Damp areas including wet meadows, around standing water and along the banks of streams. Can be found a long way from water in wooded areas and heathland. May bask in open grassy areas but seem to prefer scrub with brambles. Hedgerows may be used as linear habitats or as corridors.	Spellerberg (2002)
Southern Sweden: While stone fences with stands of blackberry and/or buckthorn bushes were used 87% of the time even though they formed only 1% of the study area. Arable land which covered 50% of the area was used to some extent May to July.	Madsen (1984)

Home range/density

Where common can occur every couple of metres along a river bank. Home range 3-120 ha. May move 10-300m in a day.	Arnold and Ovenden (2002)

Southern Sweden: Male movements were most extensive during the breeding season when mean daily distance travelled was 54.8m (SD 16.8), mean distance moved in July were 13.0m (SD 8.6). Females were mainly sedentary apart from the week prior to and week after oviposition when the mean daily distance was 114m (SD 74.5).	Madsen (1984)
Southern Sweden: Total home range estimated as 17.3ha (SD 7.7) for males and 24.9ha (SD 18.2) for females. Combined monthly home ranges (excludes areas not used) were 9.9ha (SD 1.9) for males and 13.6ha (SD 5.7) for females.	Madsen (1984)

Life cycle

Hibernation October to February. Mating April to May. Egg laying June to July. Birth of young August to September.	Frazer (1983)
Lays 2-105 eggs (usually c.30 for a mature female) 20-40mm long. Eggs may be hidden in holes, crevices mammal burrows or under stones and logs but often laid in compost, dung heaps, piles of leaves and other vegetation including seaweed to take advantage of the heat from fermentation. 3000-4000 eggs may be laid communally. Incubation lasts 6-10 weeks in the south.	Arnold and Ovenden (2002)
Large females usually lay 30 to 40 eggs (up to 50) June to July. Young females may lay as few as 10. Actively seek sites that provide warmth to help incubation such as compost heaps, dung heaps, piles of sawdust of chippings, piles of leaves or other decaying vegetation. Eggs measure 1.8 by 2.8cm. Incubation takes 6 to 10 weeks depending on temperature.	Spellerberg (2002)

Active phase/behaviour

Mainly diurnal but can be crepuscular in the south in hot weather. In Sardinia said to be largely nocturnal.	Arnold and Ovenden (2002)
In north of range strictly diurnal but in south can be active at night. May move 600 – 700 m in a day, up ton 1km in two to three days. Uses hedgerows as corridors between habitats. On warm sunny days can raise temperature to 30°C but can be active at 16 to 18°C.	Spellerberg (2002)

Bodyweight/size

Usually up to 120cm including tail, often less. Can reach 200cm. Females larger than males, often twice their length. Hatchlings 14-22cm long. Males mature in about three years at 40-50cm while females mature in five years at around 60cm.	Arnold and Ovenden (2002)
Females are larger than males and may reach up to 120cm in length. Newly hatched young are 15 to 18cm in length, growing to 28 to 30cm after one year.	Spellerberg (2002)
Southern Sweden: In a radiotracking study, tagged males had total lengths 74-77cm and bodyweights from 65 to 92g. Females were from 96-110cm in length weighing from 240-390g.	Madsen (1984)

Diet

Mainly frogs and toads but also newts, tadpoles, fish, small mammals, nestling birds other snakes and slugs. Mediterranean females may take very large common toads but males take smaller prey. Young snakes take tadpoles and invertebrates. In Cyclades (Greece) this species feeds on geckos, lacertid lizards and small mammals.	Arnold and Ovenden (2002)
Aquatic vertebrates (fish, grogs, toads, newts), young birds and small mammals.	Spellerberg (2002)

Table 8. Prey items recorded in grass snakes (*Natrix natrix*) from the Carnic Alps in Italy (Luiselli et al. 1997).

Prey type		**Males**		**Females**	
		< 60cm	> 60cm	< 80cm	> 80 cm
Amphibia	Rana temporaria (adults)	17	19	13	13
	Rana temporaria (metamorphs)	6	3	4	0
	Bufo bufo (adults)	0	2	1	21
	Bufo bufo (metamorphs	31	6	23	3
	Salamandra atra	1	4	4	2
	Triturus alpestris	2	1	6	1
Reptilia	Lacerta vivipara	0	0	0	1
Mammalia	Apodemus sylvaticus	0	0	0	6

Food intake

In Britain may take equivalent of 5-8 toads per year.	Arnold and Ovenden (2002)
In southern England, male and female grass snakes were found to eat large meals (toads) about every 20 days between May and September during which period females fasted for 45 days for gestation and egg laying. Mean amount of food ingested per day was estimated as 2.3% and 1.6% respectively.	Reading and Davies (1996)

3.2.3.4. European adder, *Vipera berus*

Distribution

Occurs over much of Europe extending north to beyond the Arctic Circle and south to northern France (with a southern isolated population in the Massif Centrale), north Italy, north Albania, northern Greece and west European Turkey. Sporadic in central Europe and southern parts of its range. Also extends across Russia to Sakhalin islands in the Pacific ocean.	Arnold and Ovenden (2002)
Norway, Sweden, Finland, France, Denmark, Germany, Austria, Switzerland, Italy, Belgium, Netherlands, Great Britain, Poland, Czech Republic (formerly Czechoslovakia), Hungary, Romania, Bulgaria, Albania, Yugoslavia: Croatia, Slovenia, Macedonia, Bosnia-Hercegowina, Monte Negro, Macedonia, Serbia, Estonia, Latvia, Lithuania, Russia, Mongolia, North Korea, NW China (N Xinjiang, Jilin)	JVCI Reptile Database

Habitat

Wide range of habitats particularly in the north including moors, heaths, dunes, bogs, open woods, field-edges, hedgerows, marshy meadows and sometimes salt marshes. In south usually in mountain areas but where it occurs in lowlands these are moist habitats (e.g. northern Italy). Found up to 2600m or more in Alps.	Arnold and Ovenden (2002)
Occupy a wide range of habitats from forest and woodlands through heathlands and moors to hedgerows and embankments associated with arable land.	Spellerberg (2002)

Home range/density

May travel 0.5-2km from place of hibernation to feeding grounds. Males may travel up to 200m in a day during the breeding season. In Britain densities are often 1-12/ha but can be higher depending on prey abundance.	Arnold and Ovenden (2002)
In Swiss Alps may be 3 adults/ha with home range for males about 5.2ha, and 0.7ha for reproductive females.	Spellerberg (2002)
Southern Sweden: Male snake move only small distances in the basking phase preceding their springtime slough (mean 7.0m/d SD 6.4). Long distance movements begin after the slough with mean movements of 47.7m/d (SD 25.9) during the mating season.	Madsen et al. (1993)

Life cycle

Usually the first snake to appear in spring. May be found basking in early March once daytime temperatures exceed 8°C.	(Spellerberg 2002)
Males leave hibernation site before females and get to breeding area first. Females produce 3-18 young which mature in 3-4 years.	Arnold and Ovenden (2002)
Ovulation occurs in April. Usually give birth in August or early September. In exceptionally cold summers birth may be delayed until the following spring.	Spellerberg (2002)

Active phase/behaviour

Largely diurnal particularly in north.	Arnold and Ovenden (2002)
Bask for long periods with mean voluntary temperature of 33°C.	Spellerberg (2002)

Bodyweight/size

Adults usually up to around 65cm but exceptionally can reach 9ocm. Females larger than males.	Arnold and Ovenden (2002)
Up to 65cm in total length but more often 50-55cm with females larger than males.	Spellerberg (2002)

Diet

Mainly small mammals but also birds, lizards and frogs. Young eat nestling rodents, small lizards and frogs.	Arnold and Ovenden (2002)
Rodents. Also frogs, fledgling birds and lizards. In Poland the most common prey was the bank vole (Clethrionomys glareolus) while in England it was the field vole (Microtus agrestis).	Spellerberg (2002)

Food intake

In Britain adults may take 9 voles or equivalent per year.	Arnold and Ovenden (2002)

The species listed may be exposed by several routes should they be active in pesticide treated areas, not only directly on treated fields (food, contact with contaminated soil) but also by using contaminated surface water (e.g. pond turtles, grass snakes).

3.3. Routes of exposure

3.3.1. Food intake

One of the main routes of exposure for reptiles is likely to be through consumption of contaminated food. At present this is the only route considered for birds and in the absence of data on food consumption it is possible to make predictions based on daily energy expenditure.

e.g.

$$\text{Daily food intake (wet g)} = \frac{\text{Daily energy expenditure (kJ)}}{\text{Energy in food (kJ/g)} \times (1 - \text{moisture}) \times \text{Assimilation efficiency}}$$

Where moisture and assimilation efficiency are proportions between 0 and 1.

Estimates of DEE were found one of the European lizard species described above (Bradshaw et al 1987). In this study the green lizard (*Lacert viridis*) was found to have a DEE of 437 J($g^{-0.8}$ day^{-1}). For other species it is possible to make prediction based on allometric equations of DEE as recommended for birds (EFSA 2008).

3.3.1.1. Allometric equations

Data on the DEE of 67 species of reptile were found and collated. Of these 56 were lizards, 6 were snakes and 5 were Testudines (3 tortoises, one turtle and one marine turtle). Twenty were desert species with the remainder from a variety of habitats ranging from semiarid to tropical.

Figures 1 to 4 illustrate the relationship beween DEE and bodyweight.

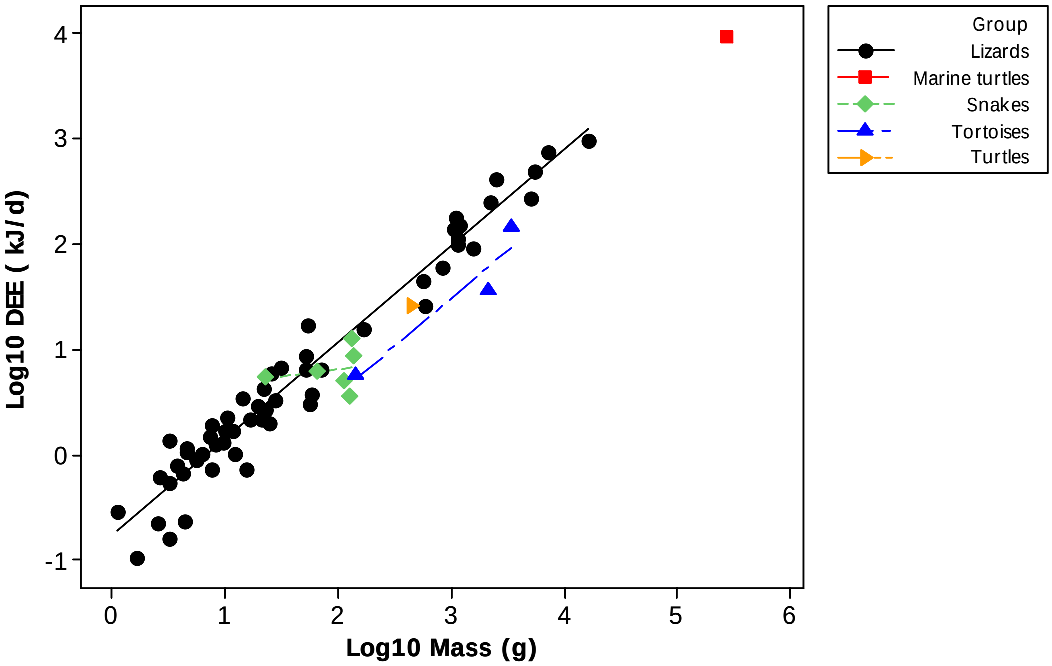

Figure 1. Scatterplot of Log10 DEE vs. Log10 mass indicating data from each of the main groups.

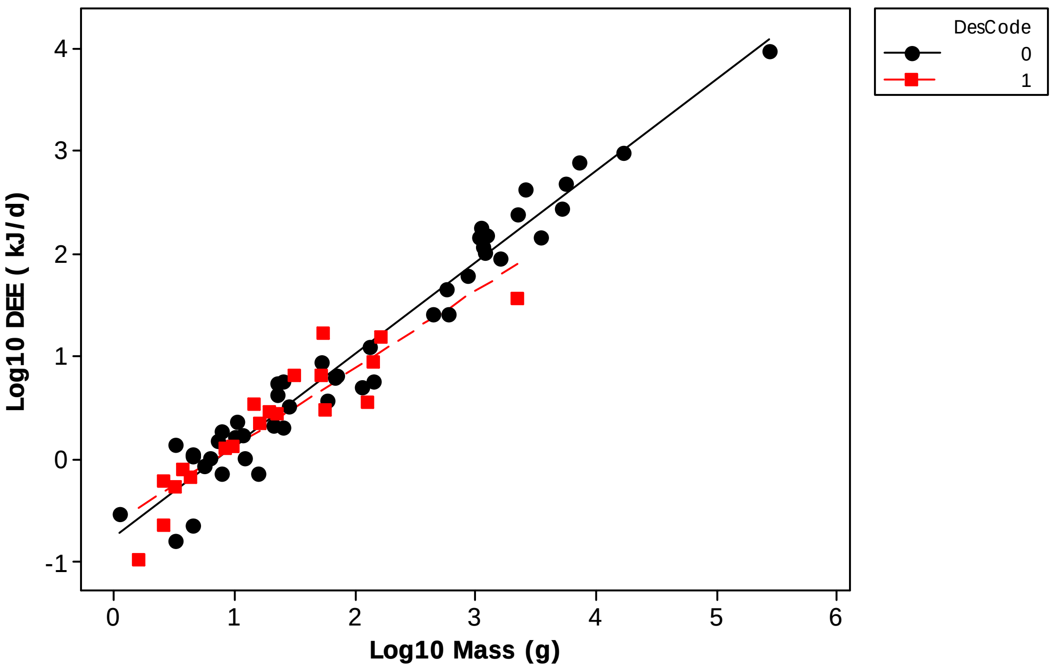

Figure 2. Scatterplot of Log10 DEE vs. Log10 mass indicating data from desert and npn-desert species (DesCode 0 = non-desert, DesCode 1 = desert).

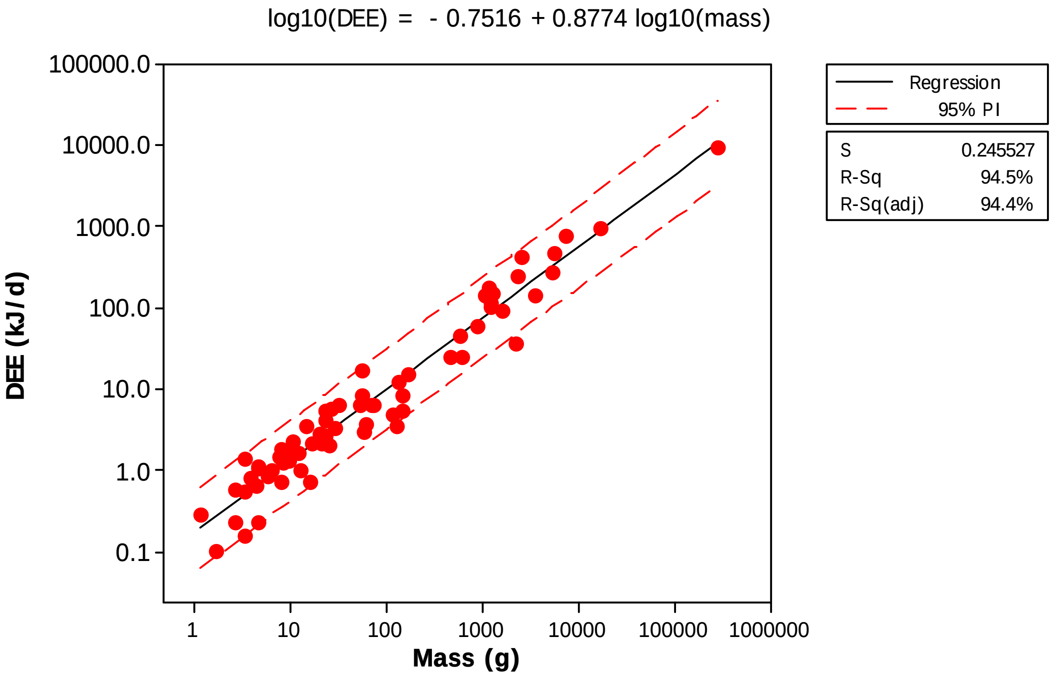

Figure 3. Fitted line plot of DEE vs. mass for all reptiles with 95% prediction intervals.

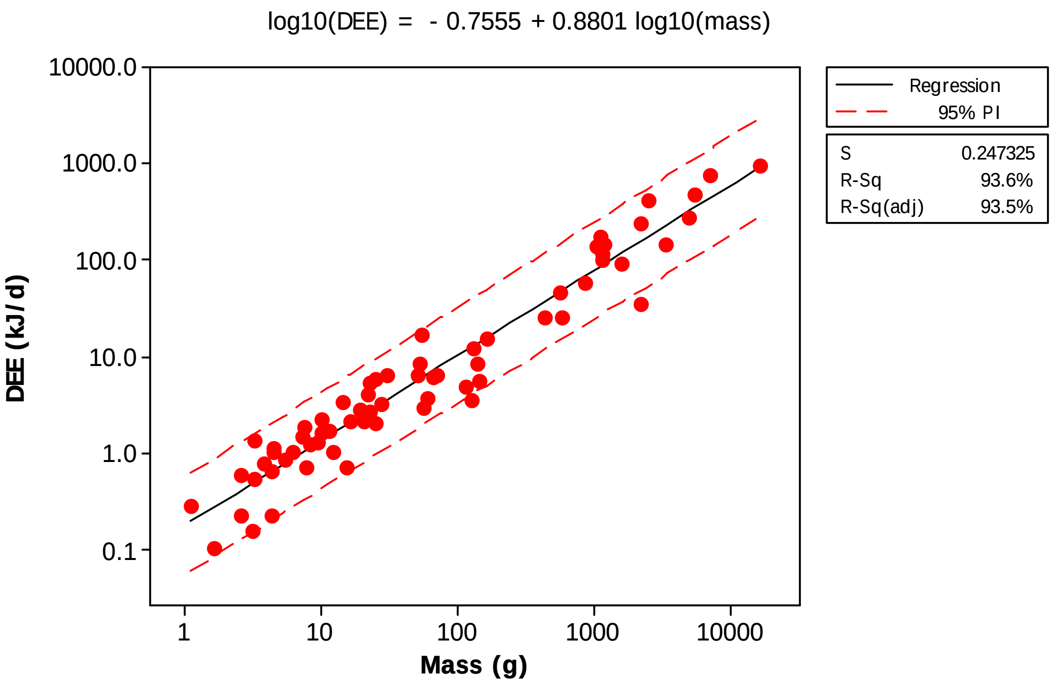

Figure 4. Fitted line plot of DEE vs. mass for all reptiles excluding marine turtles with 95% prediction intervals.

The relationship between bodyweight and DEE for different groups of reptiles is shown in Table 9.

Table 9. Relationship between body mass (g) and Daily Energy Expenditure (kJ/d) in for selected groups of reptile species. The general form of equation is: Log(Flux) = Log a + b × (log Body mass). Insert Log_{10} a and b from the table to obtain the specific equation for the relevant species group. Also shown are the standard errors for a and b (SE), the number of species in each group (N), and the proportion of variation explained by each equation (r^2).

Group	Log_{10} a	SE Log_{10} a	b	SE b	N	r^2	p
All reptile species	**-0.7516**	0.0562	**0.8774**	0.0262	67	94.4	<0.001
All excluding marine turtles	**-0.7555**	0.0589	**0.8801**	0.0287	66	93.5	<0.001
All desert reptiles	**-0.6341**	0.1184	**0.7567**	0.0780	20	83.1	<0.001
Non-desert (exc mar. turt.)	**-0.7690**	0.0696	**0.8960**	0.0310	46	94.9	<0.001
All lizards	**-0.7742**	0.0531	**0.9157**	0.0267	56	95.5	<0.001
Non-desert lizards	**-0.7726**	0.0686	**0.9119**	0.0307	39	95.9	<0.001
Desert lizards	**-0.8381**	0.1128	**0.9853**	0.0916	17	87.8	<0.001
All Lacertidae	**-0.7907**	0.1354	**1.0127**	0.1356	10	85.9	<0.001
Non-desert Lacertidae	**-0.8189**	0.2095	**1.0305**	0.1851	7	83.3	0.003

To estimate the water flux for an animal of a given weight the appropriate equation should be selected from Table 9. In the European situation the most appropriate equations would appear to be the non-desert (excluding marine turtles) line for non-lizards, the non-desert line for non Lacertid lizards and the non-desert Lacertidae line for the remainder. To make use of these values to estimate food consumption it is also necessary to estimate food energy content, food water content and assimilation efficiency (see equation above).

3.3.1.2. Food energy content and moisture content.

Information on energy content, moisture content for a wide variety of foods along with assimilation efficiencies for birds are available in Crocker *et al*. (2002) and are summarised in Table 10.

Table 10. Energy and moisture content of animal food types (Crocker *et al*. 2002)

Food type	kJ/g dry weight	Moisture
Small mammals	21.7	0.686
Bird/mammal carrion	22.6	0.688
Arthropods	21.9	0.705
Caterpillars	21.7	0.794
Soil invertebrates	19.3	0.846
Fish	20.7	0.711
Aquatic invertebrates	19.6	0.773

The most important food items for small reptiles are likely to be arthropods and soil invertebrates while those for snakes will include larger items such as small mammals and fish.

3.3.1.3 Assimilation efficiency

Unlike for birds (Bairlein 1999), no review of assimilation efficiency was found for reptiles. Avery 1971 estimated assimilation efficiency for Lacerta vivipara feeding on spiders and Homoptera of 0.89 based on material egested in faeces although a later paper suggest a lower value of 0.82 allowing for excreted material (Avery 1975). This is higher than the value of 0.76 for passerine birds feeding on animal material (Bairlein 1999) but lower than the estimated value of 0.88 for small mammals (shrews and bats) feeding on insects (Crocker et al. 2002).

Christian et al. (1996) in a study of frillneck lizards used an assimilation efficiency of 0.71 for an animal feeding on insects.

3.3.2. Water intake

In the absence of good data on water intake it is possible to estimate daily water intake based on estimates of water flux by combining it with data on preformed water in the diet and metabolic water production to determine how much water an animal would need to drink to achieve water balance.

e.g. Drinking water (ml/d) = Total water flux – [Food water + Metabolic water]

Estimates of water flux were found one of the European lizard species described above (Bradshaw et al 1987). In this study the green lizard (Lacert viridis) was found to have a water influx rate of 12.0 ml/100g/d (n = 6, SE = 1.21). For other species it is possible to estimate water flux for allometric equations as recommended for birds (EFSA 2008).

3.3.2.1. Allometric equations

Data on water flux for 77 species of reptile were found and collated. Of these 65 were lizards, 5 were snakes and 5 were Testudines (3 tortoises, one turtle and one marine turtle) and 2 were crocodiles. Twenty six were desert species with the remainder from a variety of habitats ranging from semiarid to tropical.

Figures 5 to 8 illustrate the relationship between water flux and bodyweight.

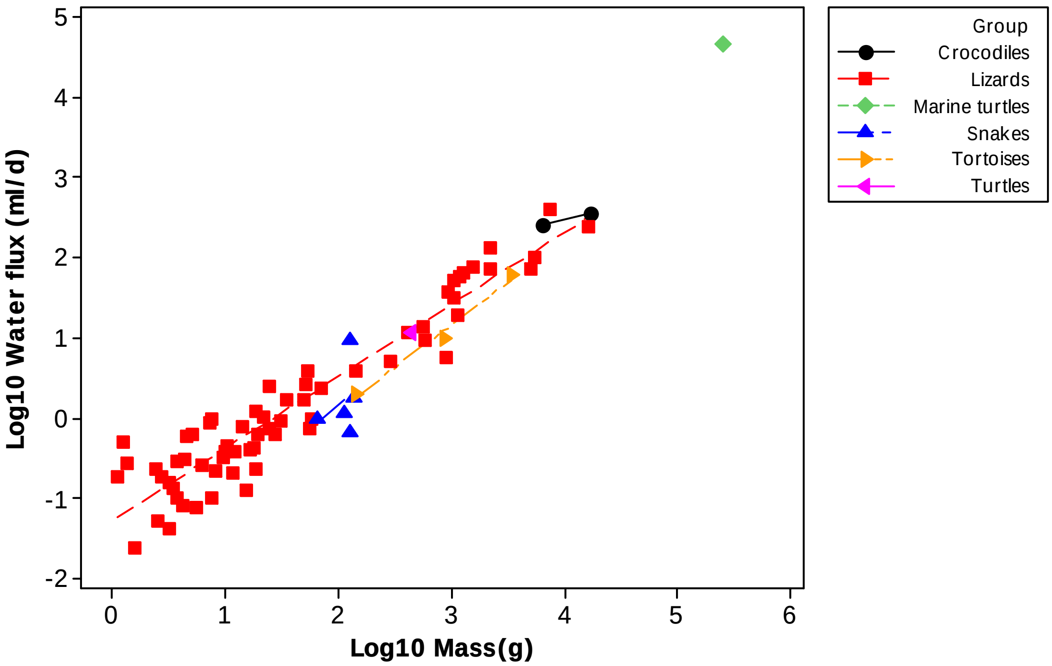

Figure 5. Scatterplot of Log10 water flux vs. Log10 mass indicating data from each of the main groups.

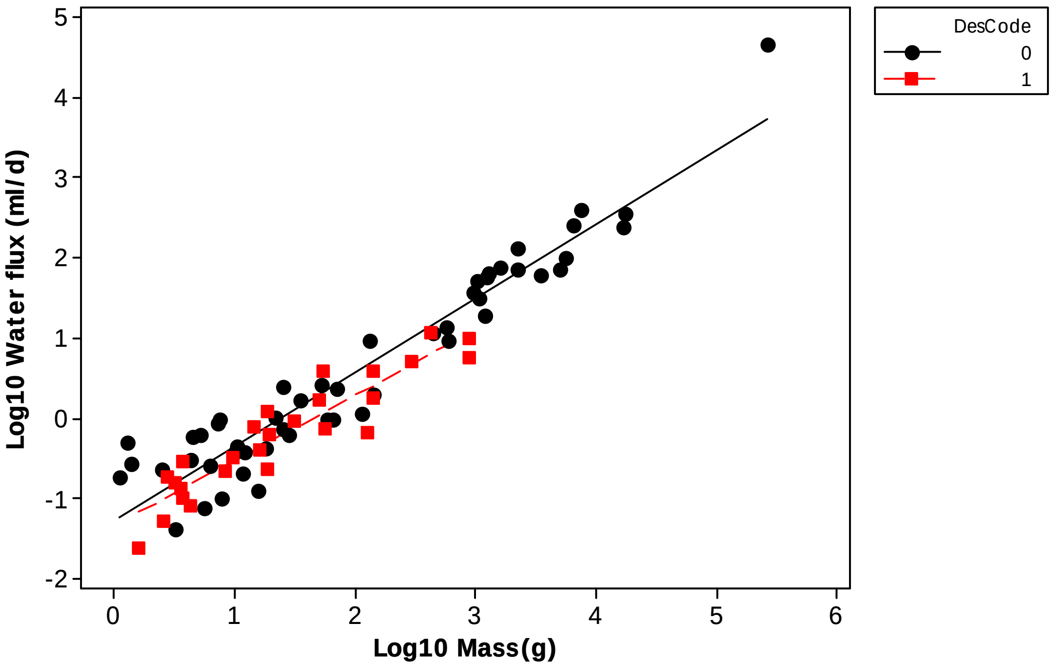

Figure 6. Scatterplot of Log10 water flux vs. Log10 mass indicating data from desert and npn-desert species (DesCode 0 = non-desert, DesCode 1 = desert).

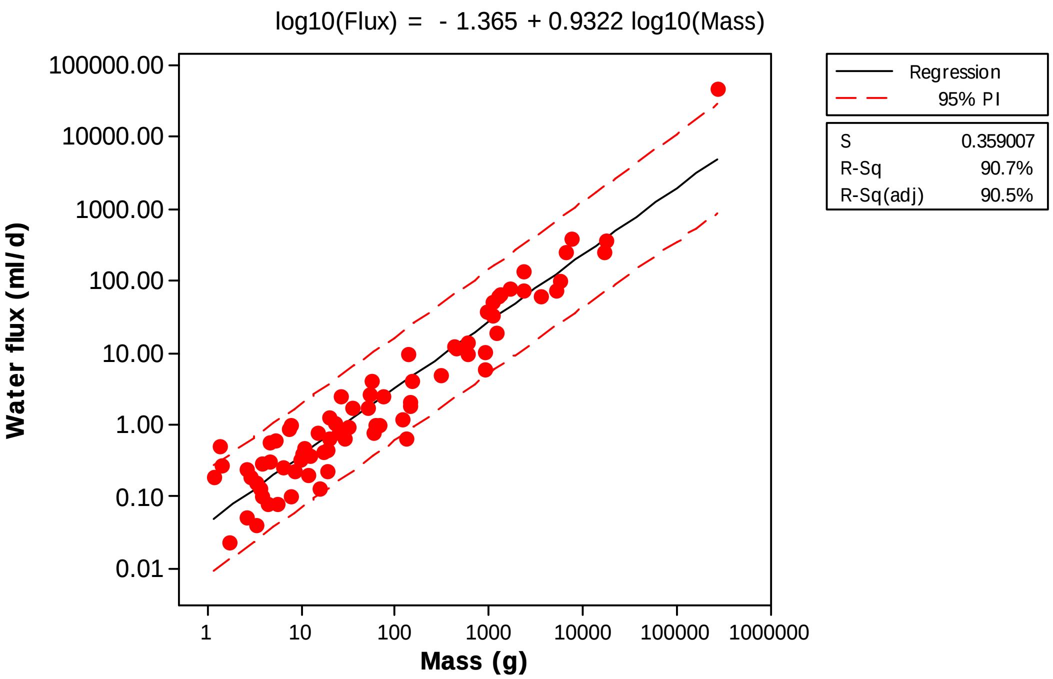

Figure 7. Fitted line plot of water flux vs. mass for all reptiles with 95% prediction intervals.

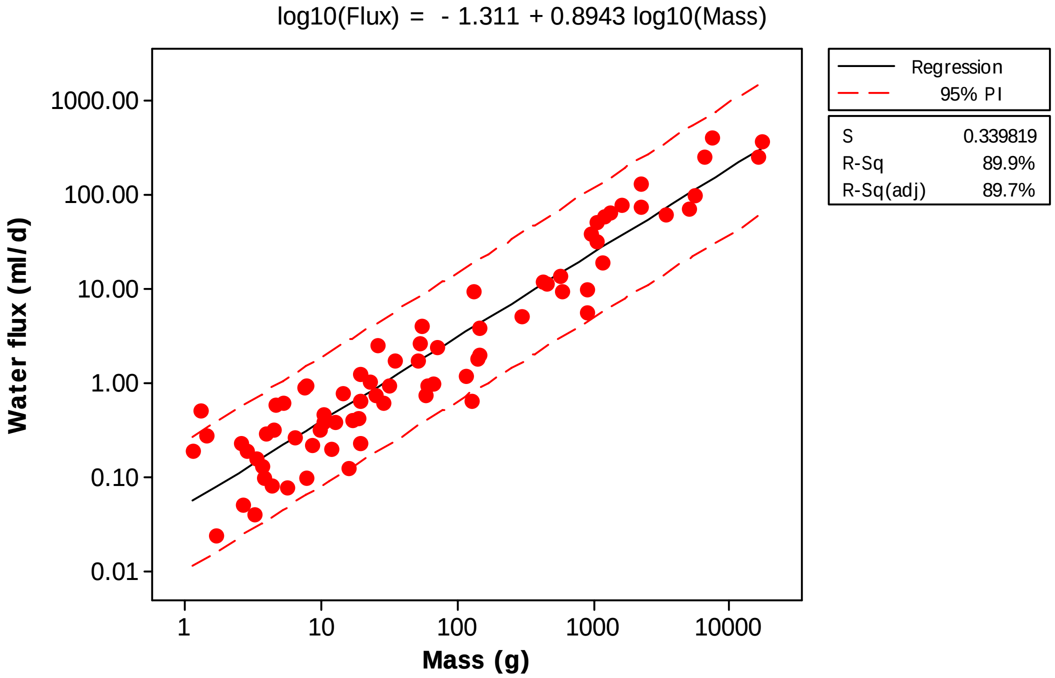

Figure 8. Fitted line plot of water flux vs. mass for all reptiles excluding marine turtles with 95% prediction intervals.

The relationship between bodyweight and daily water flux for different groups of reptiles is shown in Table 11.

Table 11. Relationship between body mass (g) and Daily Water Flux (ml) in for selected groups of reptile species. The general form of equation is: Log(Flux) = Log a + b × (log Body mass). Insert Log_{10} a and b from the table to obtain the specific equation for the relevant species group. Also shown are the standard errors for a and b (SE), the number of species in each group (N), and the proportion of variation explained by each equation (r^2).

Group	Log_{10} a	SE Log_{10} a	b	SE b	N	r^2	p
All reptile species	**-1.3651**	0.0749	**0.9322**	0.0345	77	90.5	<0.001
All excluding marine turtles	**-1.3110**	0.0730	**0.8943**	0.0349	76	89.7	<0.001
All desert reptiles	**-1.3505**	0.1095	**0.8168**	0.0681	26	85.1	<0.001
Non-desert (exc. mar. turt.)	**-1.2100**	0.0934	**0.8819**	0.0405	50	90.6	<0.001
All lizards	**-1.2934**	0.0738	**0.9011**	0.0379	65	89.8	<0.001
Non-desert lizards	**-1.1843**	0.0979	**0.8800**	0.0452	42	90.2	<0.001
Desert lizards	**-1.3874**	0.1078	**0.8730**	0.0736	23	86.4	<0.001
All Lacertidae	**-1.0955**	0.1892	**0.8678**	0.1893	10	69.0	0.002
Non-desert Lacertidae	**-0.8562**	0.1705	**0.7250**	0.1506	7	78.7	0.005

To estimate the water flux for an animal of a given weight the appropriate equation should be selected from Table 11. In the European situation the most appropriate equations would appear to be the non-desert (excluding marine turtles) line for non-lizards, the non-desert line for non Lacertid lizards and the non-desert Lacertidae line for the remainder. To make use of these values it is also necessary to estimate food water content and metabolic water production.

3.3.2.2. Water in food

To determine how much of a reptiles daily water requirement might be obtained from its food, it is necessary to determine how much food is eaten in a day and combine this with the fractional water content.

e.g. Food water (g) = Daily food intake (g) x Fractional water content

For a mixed diet it would be necessary to calculate the water content for each type and sum to estimate total daily food water intake.

3.3.2.3. Metabolic water

Different food constituents (fats, proteins, carbohydrates) produce different amounts of water when metabolised (Table 12).

Table 12. Energy and metabolic water values for food constituents adapted from Schmidt-Nielsen (1979) using a conversion of 1 kcal = 4.184kJ.

Foodstuff	Water formed (ml water/g food)	Metabolic energy value (kJ/g)	Water formed (ml H_2O/kJ)
Starch (carbohydrates)	0.56	17.57	0.0319
Fat	1.07	39.33	0.0272
Protein (urea excretion)	0.39	17.99	0.0217
Protein (uric acid excretion)	0.5	18.41	0.0272

While different food constituents yield different amounts of water per g of food metabolised, these differences are reduced when the water produced per kJ is considered. This also simplifies the calculation of metabolic water produced as it could be estimated directly from the estimate of DEE.

Ideally this would be estimated based on the relative amounts of carbohydrate, fat and protein in the diet under consideration. In the absence of such detailed information about dietary composition then it may be appropriate to use a mean value (0.0278 g water/kJ) or, more conservatively, the lowest value (average protein value 0.0244 g water/kJ). Given that reptiles excrete nitrogen mainly as uric acid this may slightly underestimate water produced by metabolism of proteins. However, using the uric acid value alone may slightly overestimate water production, which would be less conservative.

e.g. Metabolic water (ml) = DEE (kJ) x 0.0278 (ml/kJ)
(using mean value)

Alternatively, it would be possible to estimate metabolic water production from daily food intake provided energy content, fractional water content and assimilation efficiency are known.

e.g. Metabolic water (ml) = DFI x [1 – FWC] x AE x EC x MWP

where:
DFI = Daily food intake (g wet weight)
FWC = Fractional water content of food (unitless proportion)
AE = Assimilation efficiency (unitless proportion)
EC = Energy content of food (kJ/g dry weight)
MWP = Metabolic water production (ml/kJ see above)

Where detailed information about dietary composition is available (% carbohydate, % fat, % protein) then metabolic water production can be estimated from the data on production per unit dry weight metabolised (ml/g).

e.g. Metabolic water (ml) = (g carbohydrate x 0.56) + (g fat x 1.07) + (g protein x 0.0244)

Note this should be estimated using the dry weight of food that is metabolised.

e.g. DEE/energy content (kJ/g dry weight of food)

or Total food intake (dry weight in g) x Assimilation Efficiency

For a mixed diet it would be best to calculate the metabolic water content production for each type of food (if sufficient data is available on the dietary composition of each food type is available) and sum them to estimate total daily food water intake. Otherwise the total DEE estimate could be used with a single value for metabolic water production as indicated above.

Metabolic water can therefore be estimated in at least three ways depending on the data available and the degree of precision required e.g.

1. Use DEE and mean (0.0278 ml/kJ) or lowest (0.0244 ml/kJ) value for MWP.
2. Calculate from carbohydrate, fat and protein values (ml/g) where data on dietary composition and food intake is available.
3. Use values from previous studies where available (e.g. for insects or plant material).

3.3.3. Soil ingestion

Sokol (1971) suggests that while pebbles and sand found in the digestive tracts of reptiles may have been ingested accidentally, it is also possible that in some cases such ingestion is deliberate. The author reports observations of lithophagy (ingestion of stones to aid digestion) in both lizards and tortoises and cites reports of pebble and sand in other lizard species as well as crocodilians. Whether intentional or accidental (e.g. soil adhered to food), this may also contribute to the exposure of reptiles following pesticide application. Accidental exposure may be particularly likely for those species that feed on soil invertebrates such as slugs/snail and especially earthworms. Beyer et al. (1994) estimated that soil ingestion rate in box turtles and Eastern painted turtles were 4.5% and 5.9% of the diet respectively. Suski et al. (2008) used this information to estimate the contribution of such an intake to exposure to 2,4-dinitrotoluene contaminated soil. They concluded that using the mean turtle value of 5.2% of diet that exposure in this case would be 0.04mg/kg/d.

3.3.4. Dermal exposure

Dermal exposure of wildlife has been shown to be potentially important in studies with birds. Mineau (2002) showed that predictions of mortality for birds after pesticide treatment were improved when the dermal risk was taken into account. Driver *et al*. (1991) demonstrated that exposure via the dermal route could not only increase the estimate of risk but also extend the period over which effects occurred when compared to oral exposure alone. In a study of the effects of deltamethrin following overspray or contact with oversprayed soil, Alexander (2002) demonstrated acute symptoms and reduced survival in two species of lizard. Given the relatively low metabolic rates of amphibians and reptiles compared to birds and mammals and the consequently reduced oral exposure it is likely that dermal exposure would form a much larger proportion of the total exposure.

3.3.4.1. Types of dermal exposure

Dermal exposure may occur through direct over-spray during pesticide application, contact with contaminated substrate or by entering contaminated surface water bodies (e.g. ditches, puddles). Compared to birds and mammals there may be more potential for direct overspray (except perhaps chicks of ground nesting species) due to a reduced ability to escape quickly enough, especially on colder days. Contact with contaminated substrate may occur if animals forage in or migrate across treated areas following pesticide application. Here, not only sprays but other formulations such as granules may present a risk if the animals come into contact with them directly or to soil contaminated by the active substance. Animals may also be dermally exposed by swimming in contaminated surface water. This is most likely in species that are at least partly aquatic such as European pond turtles or grass snakes. Apart from those species that make use of water as part of their normal activity, other species may also be exposed by contact with contaminated surface water by swimming as a means of moving around the habitat. Also, Gollman and Gollmann (2008) report observations of diving behaviour of *Lacerta agilis* and *Anguis fragilis* in puddles in an Austrian meadow. It is thought in the case of *Lacerta agilis*, that this was an escape response but it was not clear if *Anguis fragilis* was in the puddle voluntarily perhaps searching for prey.

Methods of taking account of non-oral routes of exposure were investigated as part of the recent EFSA opinion on risk assessment for birds and mammals (EFSA 2008, Appendix 2) but these made use of data from a large number of field studies of effects in birds, data which is unlikely to be available for reptiles in sufficient quantities as they are not routinely assessed. However, the factors discussed in this analysis could presumably be applied to reptiles. This study however will address simple methods that may be used to at least make worst-case predictions of uptake in the early stages of any assessment based on animal size and concentration of contaminant.

3.3.4.2. Estimating dermal uptake

Estimation of dermal uptake is complex compared to dietary exposure as it depends on the surface area in contact with the contaminated substrate/medium, the water potential of the animal and substrate/medium, the physical properties of the chemical (e.g. molecular size) and the permeability of the skin. No methods of estimating dermal exposure in reptiles was found but a formula for calculating the rate of uptake of a dissolved contaminant by amphibians based on the assumption that it will move into the animal at the same rate as water is absorbed and is at the same concentration as the pore water (or soil concentration if this is all that is available) are presented in Birge *et al*. (2000).

$$\frac{dm}{dt} = \frac{Av}{r}(\Psi s - \Psi a)$$

where:

dm/dt = rate of uptake of water by animal (kg x s^{-1})
$A\nu$ = area in contact with substrate (m^2)
R = resistance to water uptake (s x m^2 x Pa x kg^{-1})
Ψs = water potential of soil (Pa)
Ψa = water potential of animal (Pa)

A similar formula is also given for absorption in water.

$$\frac{dm}{dt} = \frac{Aw}{r}(\Psi w - \Psi a)$$

where:

dm/dt = rate of uptake of water by animal (kg x s^{-1})
Aw = area in contact with water (m^2)
R = resistance to water uptake (s x m^2 x Pa x kg^{-1})
Ψw = water potential of water (Pa)
Ψa = water potential of amphibian (Pa)
(From: Feder and Burggren 1992)

This may be useful as a worst case exposure estimate but more realistic values would require data on the relative permeability of the skin of reptiles which is lower than that of amphibians (Palmer 2000).

3.3.4.3. Surface area

Whatever method is used to assess dermal exposure, it is reliant on estimates of the surface area that may be contaminated.

Surface area of *Lacerta agilis* was measured directly from dissected skins by Fry (1913) and these values are shown in Table 13.

Table 13. Bodyweight and surface area of *Lacerta agilis* (Fry 1913)

Bodyweight (g)	Surface area (cm^2)
3.2	27
8.12	48.4
8.35	44.1
9.02	54.3
10.35	56.7
11.53	58.7
12.1	59.8
12.95	67

Using this data they provide the following formula for estimating lizard surface area.

$$S = 11.6\ (W)^{0.68}$$

Where: S = Surface area in cm^2
W = Body weight in g.

This data may be suitable for estimating surface area for similar sized and shaped lizards.

Bartlett and Gates (1967) measured the surface area of an 18.4g *Sceloporus occidentalis* to be 75.8cm^2 using more sophisticated methods and the area in contact with the substrate to be 11.3cm^2

Spellerberg (1972) has a graph of surface area (measured from skins) vs. weight for 4 skink (Sphenomorphus) species. They provide data for two species at different ends of the size scale, *Sphenomorphus quoyi* and *S. Kosciuskoi* (see Table 14). As well as total surface area and effective surface area, they also provide an estimate of conductive surface area based on the value of 14.6% of total area based on (Bartlett and Gates 1967). Effective surface area is an estimate of area available for effective energy exchange and calculated as total area reduced by 11%, again based on data from Bartlett and Gates (1967).

Table 14. Surface area estimates for *Sphenomorphus* species from Spellerberg (1972).

Measurement	*S. quoyi*	*S. kosciuski*
Weight (g)	21	8
Total surface area (cm^2)	84	42.5
Effective surface area (cm^2)	74.76	37.83
Effective conduction surface area (cm^2)	10.91	5.52

Comparisons of data from animals of similar sizes indicate broad agreement for example values for 8g *S. kosciuski* are similar to those of *L. agilis* and the 21g *S. quoyi* is similar to the value for *S. occidentalis*.

Surface area estimates for snakes and tortoises were not found.

3.3.4.4. Estimation of dermal exposure

Even if we make the simple assumption of absorption with water as above, and all the parameters are known, the wide range of possible scenarios of soil type, soil moisture content, hydration state of the animal and time in contact with the substrate make it impossible to produce a robust estimate of uptake that could be used in risk assessment.

A simple and conservative assumption would be that the animal instantaneously absorbs any contaminant it contacts. This would require information on soil concentration (e.g. based on application rate and taking account of interception and residue decay), an estimate of the area of animal in contact with the soil (e.g. contact areas described above) and the distance travelled. This may be relatively simple when animals are stationary but far more difficult for animals moving through the contaminated environment due to the difficulty in determining the actual area contacted over the track.

A worst-case estimate of the maximum amount of contaminant that could be absorbed might be to calculate the area of a track based on the width of the animal and the total distance travelled, assuming that all of the contaminant is absorbed. It seems likely that movements of reptiles from wintering to breeding areas in the spring would represent a worst case e.g. migrating long distances across fields during spring applications. Estimates of daily distances moved can be obtained from radio tracking or trailing line studies as some of which data is presented in the individual species accounts above. However, this would also not easily take account of other contacts such as brushing past or climbing contaminated vegetation.

For estimation of worst-case exposure due to over-spray, an estimate of the surface area presented to the spray could be made (e.g. dorsal surface) assuming that all the pesticide applied is absorbed through the skin.

3.3.5. Inhalation

Currently, inhalation exposure is not considered for birds and mammals (EFSA 2008). Should such methods be developed there would seem to be no reason why they should not be adapted for reptiles albeit taking account differences in physiology (e,g, metabolic rate) and the added effects of temperature on oxygen requirements.

3.4. Factors affecting exposure and risk

3.4.1. Avoidance

Little evidence was found in the current study to identify cases of avoidance of contaminated food by reptiles. One study (Booth et al. 2004) described how skinks avoided FeraCol treated baits but it is not clear whether it was the bait material or active substance that was avoided.

3.4.2. Proportion of the daily diet obtained from the treated area (PT) and composition of the diet obtained from the treated area (PD).

In bird and mammal risk assessment, in the absence of other information, the proportion of food taken from the treated area is assumed to be in proportion to the amount of active time spent there obtained by radio-tracking (EFSA 2008). To use the same approach for reptiles, would require detailed information about the movements and feeding behaviour of the species under consideration. While some radio-tracking and line spool studies have been conducted (Hailey 1989, Lebborini and Chelazzi 2000, Longepierre et al. 2001, Madsen et al. 1983, Madsen 1984) these are few in number and were not conducted for risk assessment in the same way as those carried out for birds and mammals. Due to their nature and the difficulties associated with tracking small animals (e.g. transmitter size) these studies have been limited to larger species such as tortoise and snakes.

3.4.3. Temperature

Temperature may affect exposure in more than one way. Firstly, most routes of exposure apart from direct overspray (e.g. food intake, water intake, movement into recently treated areas) will require the animals to be active and this will only occur when body temperature is at a sufficient level. This may not only affect whether animals are active at all during the day but also the degree of activity. For example as described above, *Lacerta vivipara* will consume morefood on sunny days than on changeable days (Avery 1971).

Another effect is on the impact of the pesticide itself on the exposed animal. The importance of considering this was demonstrated in a recent study by Talent (2005). Here the lizard *Anolis carolinensis* were exposed to a pyrethrin based pesticide (containing 300mg/L pyrethrins) by dipping their bodies (except the head) in the stock solution. They were then held at a range of temperatures from 15-38°C. Mortality was 100% at 15 and 20°C, 80% at 25°C, 75% at 30°C, 45% at 35°C and 30% at 38°C.

4. CONCLUSIONS

As for birds and mammals, the main routes of exposure likely to be first considered are ingestion of contaminated food and drinking water. While these assessments are well defined for birds and mammals and the same approaches may be suitable, the application of these methods is complicated by the differences in the physiology and feeding patterns of reptiles.

4.1. Limitations of methods of estimating food and water intake

While it is useful to have an understanding of the food and water requirements of reptiles, it is important to remember that unlike birds and mammals they will not have to feed as regularly (e.g. to maintain body temperature) and may therefore consume food in a punctuated way consuming much on one day and little or none for the following period. This is problematic when considering daily food requirements and the level of exposure that might occur in one day. Also, there may be large periods of the year when no food is consumed due to hibernation. The latter may be taken account of by only considering risk during the active period but the effects of temperature may be harder to include in an assessment.

Small birds and mammals that are not in torpor or hibernating, will generally need to feed every day, and while there may be some differences in energy requirements through the year these differences may not be as large as those for reptiles due to the need to maintain body temperature. For example, while birds may require more energy during spring and summer for breeding and moulting, energy requirements to maintain body temperature will be greater during the winter.

Estimates of daily food consumption might be suitable for smaller lizard species which may be active to some extent on any suitable day (one on which a sufficient temperature can be reached) as described by Avery (1971). However, larger species such as snakes may only feed on a few occasions during the season and any individual meal (and hence potential exposure) may not be adequately represented by the allometric estimates of DEE. It may therefore be necessary to base any estimate of acute exposure for these species on the potential exposure from the residue contained in one large prey item.

4.2. Limitations of the use of allometric equations

The lack of actual DEE and daily water flux data for most of the relevant species that might be considered in risk assessment leads to a heavy reliance on allometric equations. While it is possible to develop allometric equations for reptiles as for birds and mammals, the differences in metabolic rate and feeding behaviour compared especially to small birds and mammals may make it less easy to reliably use this approach. As for birds and mammals, measured values of water flux may be affected by the specific circumstances under which they were collected such as time of year, temperature or diet. For example, high values for water flux for a given species may reflect the fact that the animals were feeding on food with a high water content when measured and therefore had a relatively high volume of water passing through the body. As long as estimates of water requirements are based on the same diet this should not necessarily present a problem. However, if water requirements measured when a an animal was feeding on a relatively moist diet (e.g. insects) are used to estimate water intake of the same species at a different time of year when the diet was mostly seeds, then water requirements may be overestimated. Use of fitted lines that include both types of diet may lessen this effect but if data for an individual species is used (where available) it would be best to only use it for the season/diet combination for which it was collected. In addition to these general limitations that also apply to the use of these methods in birds and mammals, the wide range of values that can be obtained under different conditions described above add further uncertainties. Even if data from inactive periods can be identified and omitted (e.g. by omitting winter and hibernation values as was done here), the remaining data can be very variable especially during transition periods. It is therefore less easy to predict what a reasonable worst-case daily dose may be for acute risk assessment.

One approach might be to develop equations based on maximal levels of DEE and water intake for each species (where a range of data is available) assuming that these occur when the animals are most active and likely to be feeding/drinking. This is also problematic as the low metabolic rate of reptiles allows measurement of isotopes over a longer period of time due to the slower rate of elimination. Thus whereas data for a small bird may typically only cover a period of say 1-2 days (Moreno 1989, Karasov et al. 1992, Ricklefs and Williams 1984, Weathers et al 2002, Webster and weathers 2000, Williams and Nagy 1984) where the bird would need to feed each day, many values for reptiles are over a longer period where animals may or may not have fed every day. For example, recapture periods for studies of lizards have been reported as 4 to 9 days (Grenot et al. 1995), 4 to 12 days (Orrell et al 2004), 4 to 17 days (Vernet et al 1995), 7 to 8 days (Benabib and Congdon 1992), 7 to 25 days (Mautz and Nagy 1987), 8 to 55 days (Nagy and Medica 1985), 10 to 13 days (Dryden et al 1990), 13 to 17 days (Brown et al 1992, Robinson 1990), 16 to 28 days (Christian et al 1996), 16 to 40 days (Congdon et al 1993), 21 to 41 (Christian et al 1999). Thus it is uncertain what a worst case ‘exposure day’ is for acute risk assessment although they may be suitable for longer term assessments. Apart from this, many studies do not report a range of values but merely an overall mean although as long as some estimate of the variation can be made it ought to be possible estimate a reasonable high value (e.g. 90th percentile). However, as for studies with a range of values it is still difficult to be sure that an appropriate maximum value is being used.

4.3. Soil ingestion

For risk assessment purposes, accidental ingestion of soil with food can be accounted for either by obtaining actual measurements of pesticide concentration in prey (e.g. from animals on/in contaminated soil) or from data on soil content of prey and soil concentration. Deliberate ingestion would be less easy to define without further research.

4.4. Dermal exposure

Due to the complexities of assessing dermal exposure routinely, no methods currently exist for risk assessment of birds and mammals, and hence there are no agreed methods for use with reptiles. The methods described here may be useful as an early worst case assessment but do not take account of the permeability of reptile skin. Even if a value for this was found, it may not apply to all species, for example it might be expected that animals living in moist habitats may have more permeable integument than those living in arid zones. However, there may be differences even in more similar species. Hopkins et al. (2005) conducted a study where neonate water snakes of two species (*Seminatrix pygea* and *Nerodia rhombifer*) were exposed to carbaryl in water. It was found that *Seminatrix pygea* was more significantly affected and that one possible explanation was that the integument of this species was more permeable. This aspect of exposure is unlikely to be assessed routinely in the near future as the field and toxicity data available to work towards a method in the way that has been considered for birds is lacking for this group.

5. RECOMMENDATIONS

1. While the allometric equations described here may be used to estimate food and water requirements of reptiles for acute exposure assessment they need to be used with caution for the reasons stated above about variability in daily activity levels. They may however be more suitable for longer term exposure assessments.

2. No review of assimilation values for reptiles was found and only a few values for lizards are presented here. For insectivorous species at least these values may be appropriate. A review of assimilation values for reptiles as is available for birds would be a useful addition.

3. If reptiles are to be routinely assessed, details of movements in farmland areas and feeding patterns would be necessary to assess PT and PD. It would therefore be desirable if radio-tracking studies as have been conducted for birds and mammals in farmland were conducted to provide such information.

4. While the assessment of food and water intake may be possible for small active species that feed/drink regularly, they may not be suitable for larger species that feed infrequently. It would therefore be desirable to compile further information on the feeding behaviour of these species such as meal size and feeding frequency to aid in exposure assessments.

APPENDIX 1

Database search terms

Set Items Description

S1 207000 (REPTILE? OR SNAKE? OR LIZARD? OR TORTOISE? OR TURTLE? OR - TERRAPIN? OR CROCODIL? OR ALLIGATOR? OR CAIMAN? OR GHARIAL?)

S2 1311468 PESTICID? OR INSECTICID? OR HERBICID? OR FUNGICID? OR ACAR-ICID? OR AGROCHEM? OR PLANT()PROTECTION()PRODUCT? OR PLANT()P-ROTECTION()COMPOUND? OR PLANT()PROTECTION()CHEMICAL?

S3 6806637 TOXIC? OR ECOTOX? OR POISONING? OR MORTALIT? OR SUBLETHAL OR BIOINDICAT? OR ENDOCRINE?

S4 1644 S1 AND S2 AND S3

S5 18303536 COMPARATIVE? OR SPECIES()SPECIFIC? OR VERTEBRAT? OR CLASS? OR SENSITIVIT?

S6 896 RD S4 (unique items)

S7 48 S6 AND REVIEW?/TI,DE – items printed in full below

S8 586 S6 AND S5 – titles printed below

S9 300 S6 NOT (S7 OR S8) – titles printed below

Note RD- read unique items

Databases searched

SYSTEM:OS - DIALOG OneSearch

File 50:CAB Abstracts 1972-2009/Mar W3 (week 3)

File 10:AGRICOLA 70-2009/Mar

File 203:AGRIS 1974-2009/Dec

File 76:Environmental Sciences 1966-2009/Jul

File 155:MEDLINE(R) 1950-2009/Mar 19

File 40:Enviroline(R) 1975-2008/May (terminated and now incorporated in File 76)

File 41:Pollution Abstracts 1966-2009/Jul

File 5:Biosis Previews(R) 1926-2009/Mar W3 (week 3)

File 156:ToxFile 1965-2009/Mar W3 (week 3)

File 117:Water Resources Abstracts 1966-2009/Jul

Additional searches

Canadian Wildlife Service RATL (Reptile Amphibian Toxicity Literature) database: [March 2009]

USEPA Ecotox database

Web of Knowledge/Web of Science:[March 2009]

Science Citation Index Expanded (SCI-EXPANDED)--1981-present

Conference Proceedings Citation Index- Science (CPCI-S)--1990-present

OVID: [March 2009]

Biosis Previews 1985-

CAB Abstracts 1983-

Zoological Record 1993-

All relevant results were combined and duplicates removed to produce the EndNote database. The DIALOG output is available as a supplement to this report (219 pages) if supporting information is required. The EndNote database was updated with further references as these were identified during the project, e.g. cited in papers/reports or as a result of further searches on Web of Science/OVID.

APPENDIX 2

Literature found during course of study

Table 15. References found in the initial literature search combined with those found during the course of the study along with comments about suitability. Ref ID refers to the number in the EndNote database. Ref ID in bold indicates references found in the main online search.

Reference	Ref ID	Comments
Abe Y, Senbo S, Takada Y, Kawada H, Ito T. 1994. The Effectiveness of Prallethrin Against Public Health Pests. *Brighton Crop Protection Conference - Pests and Diseases - 1994,* Vols 1-3:1023-1031.	**1**	Toxicity study, not relevant to current review.
Aguirre AA, Balazs GH, Zimmerman B, Galey FD. 1994. Organic contaminants and trace-metals in the tissues of green turtles (*Chelonia Mydas*) afflicted with Fibropapillomas in the Hawaiian-Islands. *Marine Pollution Bulletin* 28:109-114.	**2**	Residue study, not relevant to current review.
Alam SK, Brim MS. 2000. Organochlorine, PCB, PAH, and metal concentrations in eggs of loggerhead sea turtles (*Caretta caretta*) from northwest Florida, USA. *Journal of Environmental Science and Health Part B, Pesticides, Food Contaminants, and Agricultural Wastes* 35:705-724.	**49**	Residue study, not relevant to current review.
Alava JJ, Keller JM, Kucklick JR, Wyneken J, Crowder L, Scott GI. 2006. Loggerhead sea turtle (Caretta caretta) egg yolk concentrations of persistent organic pollutants and lipid increase during the last stage of embryonic development. *Science of the Total Environment* 367:170-181.	**7**	Residue study, not relevant to current review.
Albers PH, Sileo L, Mulhern BM. 1986. Effects of environmental contaminants on snapping turtles of a tidal wetland. *Archives of Environmental Contamination and Toxicology* 15:39-49.	**107**	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Alexander GJ, Horne D, Hanrahan SA. 2002. An evaluation of the effects of deltamethrin on two non-target lizard species in the Karoo, South Africa. *Journal of Arid Environments* 50:121-133.	**56**	Information on the effects of dermal exposure entered
Anderson NL, Hetherington TE, Williams JB. 2003. Validation of the doubly labeled water method under low and high humidity to estimate metabolic rate and water flux in a tropical snake (*Boiga irregularis*). *Journal of Applied Physiology* 95:184-191.	455	Isotope study but captive animals– no suitable data
Anderson RA, Karasov WH. 1981. Contrasts in energy-intake and expenditure in sit-and-wait and widely foraging lizards. *Oecologia* 49:67-72.	456	Energy expenditure data entered. Water flux data entered.
Anderson RA, Karasov WH. 1983. Energetic implications of widely foraging predation in Cnemidophorus. *American Zoologist* 23:978.	457	Isotope study but no bodyweights, data not entered.
Anderson RA, Karasov WH. 1988. Energetics of the lizard *Cnemidophorus Tigris* and Life History consequences of food-acquisition mode. *Ecological Monographs* 58:79-110	458	**Energy expenditure data entered. Water flux data entered.**
Angilletta MJ, Sears MW. 2000. The metabolic cost of reproduction in an oviparous lizard. *Functional Ecology* 14:39-45.	454	Not isotope study, no suitable data for allometric equations
Arnold N and Ovenden D. 2002. A field guide to the reptiles and amphibians of Europe. Collins. London.	465	Species information entered
Arnold SF, Bergeron JM, Tran DQ, Collins BM, Vonier PM, Crews D, Toscano WA, McLachlan JA. 1997. Synergistic responses of steroidal estrogens in vitro (yeast) and in vivo (turtles). *Biochemical and Biophysical Research Communications* 235:336-342.	115	Egg exposure, not relevant to current review.
Arnold SF, Klotz DM, Collins BM, Vonier PM, Guillette LJ, McLachlan JA. 1996. Synergistic activation of estrogen receptor with combinations of environmental chemicals. *Science* 272:1489-1492.	260	Not relevant to current review.

Reference	Ref ID	Comments
Arnold SF, Vonier PM, Collins BM, Klotz DM, Guillette LJ, McLachlan JA. 1997. In vitro synergistic interaction of alligator and human estrogen receptors with combinations of environmental chemicals. *Environmental Health Perspectives* 105:615-618. (Supp. 3)	**108**	In vitro study, not relevant to current review.
Ashpole SL, Bishop CA, Brooks RJ. 2004. Contaminant residues in snapping turtle (Chelydra s serpentina) eggs from the Great Lakes St. Lawrence River basin (1999 to 2000). *Archives of Environmental Contamination and Toxicology* 47:240-252.	**120**	Residue study, not relevant to current review.
Aubret F, Bonnet X, Shine R, Maumelat S. 2005. Energy expenditure for parental care may be trivial for brooding pythons, *Python regius*. *Animal Behaviour* 69:1043-1053.	459	Not isotope study, no suitable data for allometric equations
Avallone B, Fascio U, Balsamo G, Marino F. 2008. Gentamicin ototoxicity in the saccule of the lizard Podarcis Sicula induces hair cell recovery and regeneration. *Hearing Research* 235:15-22.	62	Not relevant to current review.
Avery HW, Spotila JR, Congdon JD, Standora EA. 1987a. Temperature and dietary-protein affects the growth and energetics of the turtle *Pseudemys scripta*. *American Zoologist* 27:A123.	460	Not isotope study, no suitable data for allometric equations
Avery RA. 1966. Food and feeding habits of the common lizard (*Lacerta vivipara)* in the West of England. *J. Zool. Lond*. 149:115-121.	461	Species information entered
Avery RA. 1971. Estimates of food consumption by the lizard *Lacerta vivipara* Jacquin*. J. Anim. Ecol*. 40:351-365.	462	Species information entered
Avery RA. 1975. Clutch size and reproductive effort in the lizard Lacerta vivipara Jacquin. Oecologia 19:165-170.	463	Species information entered
Avery RA. 1978. Activity patterns, thermoregulation and food consumption in two sympatric lizard species (*Podarcis muralis* and *P. sicula*) from central Italy. Journal of Animal Ecology 47(1):143-158.	656	Species information entered
Avery RA, Mueller CF, Jones SM, Smith JA and Bond DJ. 1987b. Speeds and movement patterns of European Lacertid lizards: A comparative study. Journal of Herpetology. 21(4):324-329.	464	Species information entered

Reference	Ref ID	Comments
Bagshaw C, Brisbin IL. 1985. Long-Term Declines in Radiocesium of 2 Sympatric Snake Populations. *Journal of Applied Ecology* 22:407-413.	109	Radiation study, not relevant to current review.
Bain D, Buttemer WA, Astheimer L, Fildes K, Hooper MJ. 2004. Effects of sublethal fenitrothion ingestion on cholinesterase inhibition, standard metabolism, thermal preference, and prey-capture ability in the Australian central bearded dragon (*Pogona vitticeps* , Agamidae). *Environmental Toxicology and Chemistry* 23:109-116.	**363**	Not isotope study, no suitable data for allometric equations
Bairlein, F. 1999. Energy and nutrient utilization efficiencies in birds - a review. In Adams, N. and Slotow, R. (Eds.) Proceedings of the 22nd International Ornithological Congress, Durban Birdlife South Africa	466	Source of avian assimilation efficiency data
Balazs E and Gyorffy Gy. 2006. Investigation of the European pond turtle (*Emys orbicularis* Linnaeus, 1758) population in a backwater near the River Tisza, Southern Hungary. *Tiscia* 35:55-64.	467	Species infromation entered
Bandy LW. 1972. The Bioaccumulation and Translocation of Ring-Labeled Chlorine-36 DDT in an Old-Field Ecosystem. Ph.D.Thesis, Ohio State University, Columbus, OH :252 p.	**430**	Not relevant to current review.
Barbault R, Mou Y-P. 1988. Population dynamics of the common wall lizard, Podarcis muralis, in southwestern France. *Herpetologica*. 44(1):38-47.	468	Species information entered
Bargar TA, Sills-McMurry C, Dickerson RL, Rhodes WE, Cobb GP. 1999. Relative distribution of polychlorinated biphenyls among tissues of neonatal American alligators (*Alligator mississippiensis*). *Archives of Environmental Contamination and Toxicology* 37:364-368.	167	Residue study, not relevant to current review.
Barron MG, Woodburn KB. 1995. Ecotoxicology of chlorpyrifos. *Reviews of Environmental Contamination and Toxicology* 144:1-93.	**382**	Review, data elsewhere
Bartlett PN, Gates DM. 1967. The energy budget of a lizard on a tree trunk. *Ecology*. 48(2):315-322	659	Data on lizard surface area entered
Bauerle B. 1975. The use of snakes as a pollution indicator species. *Copeia* 1975(2):366-368.	**426**	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Bauwens D and Verheyen RF. 1987. Variation in reproductive traits in a population of the lizards *Lacerta vivipara*. *Holarctic Ecology*. 10:120-127.	469	Species information entered
Baverstock PR. 1975. Effect of variations in rate of growth on physiological parameters in the lizard, *Amphibolurus ornatus*. *Comparative Biochemistry and Physiology* 51A:619-631	470	**Isotope study but no data in a suitable form**
Beaupre SJ, Dunham AE, Overall KL. 1993. Metabolism of a desert lizard - the effects of mass, sex, population of origin, temperature, time of day, and feeding on oxygen-consumption of *Sceloporus merriami*. *Physiological Zoology* 66:128-147.	471	**Not isotope study, no suitable data for allometric equations - Captive**
Beaupre SJ. 1996. Field metabolic rate, water flux, and energy budgets of mottled rock rattlesnakes, Crotalus lepidus, from two populations. *Copeia* 319-329	472	Energy expenditure data entered. Water flux data entered.
Beck DD. 1995. Ecology and Energetics of 3 Sympatric Rattlesnake Species in the Sonoran Desert. *Journal of Herpetology* 29:211-223.	473	Not isotope study, no suitable data for allometric equations
Bedford GS, Christian KA. 1998. Standard metabolic rate and preferred body temperatures in some Australian pythons. *Australian Journal of Zoology* 46:317-328.	474	Not isotope study, no suitable data for allometric equations
Beldomenico PM, Rey F, Prado WS, Villarreal JC, Munoz-De-Toro M, Luque EH. 2007. In ovum exposure to pesticides increases the egg weight loss and decreases hatchlings weight of *Caiman latirostris* (Crocodylia : Alligatoridae). *Ecotoxicology and Environmental Safety* 68:246-251.	**42**	Egg exposure, not relevant to current review.
Bell JU, Lopez JM. 1985. Isolation and partial characterization of a cadmium-binding protein from the liver of alligators exposed to cadmium. *Comparative Biochemistry and Physiology C-Pharmacology Toxicology & Endocrinology* 82:123-128.	110	Not relevant to current review.
Benabib M, Congdon JD. 1992. Metabolic and water-flux rates of free-ranging tropical lizards *Sceloporus variabilis*. *Physiological Zoology* 65:788-802	475	Energy expenditure data entered. Water flux data entered.

Reference	Ref ID	Comments
Benavides AG, Veloso A, Jimenez P, Mendez MA. 2005. Assimilation efficiency in *Bufo spinulosus* tadpoles (Anura : Bufonidae): effects of temperature, diet quality and geographic origin. *Revista Chilena de Historia Natural* 78:295-302.	476	**Amphibian study, not relevant**
Bennett AF, Dawson WR. 1976. Metabolism. pp. 127-223 in: Biology of the Reptilia, vol 5 (Physiology A). C Gans and WR Dawson (eds.) Academic Press.	477	No suitable data
Bennett AF, Nagy KA. 1977. Energy Expenditure in free-ranging lizards. *Ecology*, 58(3):697-700	478	Energy expenditure data entered.
Beresford WA, Donovan MP, Henninger JM, Waalkes MP. 1981. Lead in the bone and soft-tissues of box turtles caught near smelters. *Bulletin of Environmental Contamination and Toxicology* 27:349-352.	**112**	Residue study, not relevant to current review.
Bergeron JM, Crews D, McLachlan JA. 1994. PCBs as environmental estrogens - turtle sex determination as a biomarker of environmental contamination. *Environmental Health Perspectives* 102:780-781.	117	Egg exposure, not relevant to current review.
Bergeron JM, Crews D. 1998. Effects of estrogenic compounds in reptiles: turtles. In: *Principles and Processes for Evaluating Endocrine Disruption in Wildlife* (R Kendall, R Dickerson, J Giesy, W Suk eds.) pp. 291-300. SETAC, Pensacola	114	Review, egg exposure, not relevant to current review.
Berny PJ, Buffrenil Vd, Hemery G. 2006. Use of the Nile monitor, *Varanus niloticus* L (Reptilia: Varanidae), as a bioindicator of organochlorine pollution in African wetlands. *Bulletin of Environmental Contamination and Toxicology* 77:359-366.	**343**	Residue study, not relevant to current review.
Best SM. 1973. Some organo chlorine pesticide residues in wildlife of the Northern Territory Australia 1970-71. *Australian Journal of Biological Sciences* 26:1161-1170.	**98**	Residue study, not relevant to current review.
Beyer WN, Connor EE, Gerould S. 1994. Estimates of Soil Ingestion by Wildlife. *Journal of Wildlife Management* 58:375-382.	118	Information entered

Reference	Ref ID	Comments
Bickler PE and Nagy KA. 1980. Effects of parietalectomy on energy expenditure in free ranging lizards *Copeia*, 1980(4):923-925	479	Energy expenditure data entered. Water flux data entered.
Birge WJ, Westerman AG and Spromberg JA. 2000. Comparative toxicology and risk assessment of amphibians. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 727-791.	480	Background information on estimation of dermal uptake
Bishop CA, Brooks RJ, Carey JH, Ng P, Norstrom RJ, Lean DRS. 1991. The case for a cause-effect linkage between environmental contamination and development in eggs of the common snapping turtle (*Chelydra s serpentina*) from Ontario, Canada. *Journal of Toxicology and Environmental Health* 33:521-547.	**141**	Residues and effects in eggs, not relevant to current review.
Bishop CA, Brown GP, Brooks RJ, Lean DRS, Carey JH. 1994. Organochlorine contaminant concentrations in eggs and their relationship to body-size, and clutch characteristics of the female common snapping turtle (*Chelydra serpentina serpentina*) in Lake-Ontario, Canada. *Archives of Environmental Contamination and Toxicology* 27:82-87.	**139**	Residues and effects, not relevant to current review.
Bishop CA, Gendron AD. 1998. Reptiles and amphibians: Shy and sensitive vertebrates of the Great Lakes basin and St. Lawrence River. *Environmental Monitoring and Assessment* 53:225-244.	142	Residue study, not relevant to current review.
Bishop CA, Lean DRS, Brooks RJ, Carey JH, Ng P. 1995. Chlorinated Hydrocarbons in Early-Life Stages of the Common Snapping Turtle (Chelydra-Serpentina Serpentina) from A Coastal Wetland on Lake-Ontario, Canada. *Environmental Toxicology and Chemistry* 14:421-426.	**137**	Residue study, not relevant to current review.
Bishop CA, Martinovic B. 2000. Guidelines and procedures for toxicological field investigations using amphibians and reptiles. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 697-725.	130	Methodology for residues and effects studies, not relevant to current review.

Reference	Ref ID	Comments
Bishop CA, Ng P, Norstrom RJ, Brooks RJ, Pettit KE. 1996. Temporal and geographic variation of organochlorine residues in eggs of the common snapping turtle (I) (1981-1991) and comparisons to trends in the herring gull (I) in the Great Lakes basin in Ontario, Canada. *Archives of Environmental Contamination and Toxicology* 31:512-524.	**136**	Residue study, not relevant to current review.
Bishop CA, Ng P, Pettit KE, Kennedy SW, Stegeman JJ, Norstrom RJ, Brooks RJ. 1998. Environmental contamination and developmental abnormalities in eggs and hatchlings of the common snapping turtle (*Chelydra serpentina serpentina*) from the Great Lakes St Lawrence River basin (1989-91). *Environmental Pollution* 101:143-156.	**39**	Residues and effects, not relevant to current review.
Bishop CA, Rouse JD. 2000. Chlorinated hydrocarbon concentrations in plasma of the Lake Erie water snake (*Nerodia sipedon insularum*) and northern water snake (*Nerodia sipedon sipedon*) from the Great Lakes basin in 1998. *Archives of Environmental Contamination and Toxicology* 39:500-505.	**132**	Residue study, not relevant to current review.
Bishop CA, Rouse JD. 2006. Polychlorinated biphenyls and organochlorine pesticides in plasma and the embryonic development in Lake Erie water snakes (*Nerodia sipedon insularum*) from Pelee Island, Ontario, Canada (1999). *Archives of Environmental Contamination and Toxicology* 51:452-457.	**119**	Residues and effects, not relevant to current review.
Bjorndal KA, Bolten AB. 1990. Digestive processing in a herbivorous fresh-water turtle - consequences of small-intestine fermentation. *Physiological Zoology* 63:1232-1247.	519	**No suitable data for allometric equations**
Bjorndal KA, Bolten AB. 1992. Body size and digestive efficiency in a herbivorous fresh-water turtle - advantages of small bite size. *Physiological Zoology* 65:1028-1039.	482	**No suitable data for allometric equations**
Bjorndal KA. 1987. Digestive Efficiency in a temperate herbivorous reptile, *Gopherus polyphemus*. *Copeia* 1987:714-720.	481	**No suitable data for allometric equations**

Reference	Ref ID	Comments
Boening DW. 1998. Toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin to several ecological receptor groups: A short review. *Ecotoxicology and Environmental Safety* 39:155-163.	83	Review, no reptile data.
Bonin J, Desgranges JL, Bishop CA, Rodrigue J, Gendron A, Elliott JE. 1995. Comparative study of contaminants in the mudpuppy (Amphibia) and the common snapping turtle (Reptilia), St. Lawrence River, Canada. *Archives of Environmental Contamination and Toxicology* 28:184-194.	**428**	Residue study, not relevant to current review.
Booth LH, Fisher P, Heppelthwaite V, Eason CT. 2004. Risk of FeraCol baits to non-target-invertebrates, native skinks, and weka. *Science for Conservation* 239:1-18.	**359**	Information on avoidance of baits entered
Borkowski R. 1997. Lead poisoning and intestinal perforations in a snapping turtle (*Chelydra serpentina*) due to fishing gear ingestion. *Journal of Zoo and Wildlife Medicine* 28:109-113.	104	Not relevant to current review.
Bracher GA, Bider JR. 1982. Changes in terrestrial animal activity of a forest community after an application of aminocarb (Matacil). *Can.J.Zool.* 60:1981-1997	**431**	Field study, not relevant to current review.
Bradshaw CJA, McMahon CR, Hays GC. 2007. Behavioral inference of diving metabolic rate in free-ranging leatherback turtles. *Physiological and Biochemical Zoology* 80:209-219.	483	Not isotope study, no suitable data for allometric equations
Bradshaw SD, Bradshaw J, and Lachiver F. 1976. Quelques observations sur l'ecophysiologie *d'Agama mutubilis* dans le sud Tunisien. *Comptes Rendus des Seances de l'Academie des Sciences, Paris* D282:93-96	485	**Water flux data entered.**
Bradshaw SD, Saint Girons H, Naulleau G and Nagy KA. 1987. Material and energy balance of some captive and free-ranging reptiles in western France. Amphib. Reptil. 8:129-142	484	Species information entered. Energy expenditure data entered. Water flux data entered.
Bradshaw SD.1978. Volume regulation in desert reptiles and its control by pituitary and adrenal hormones, pp. 38-59 in C.B. Jorgensen and E. Skadhauge, eds. Osmotic and Volume Regulation, Alfred Benzon Symposium XI, Munksgard.	486	Isotope study but no data in suitable form for allometric equations.

Reference	Ref ID	Comments
Brasfield SM, Bradham K, Wells JB, Talent LG, Lanno RP, Janz DM. 2004. Development of a terrestrial vertebrate model for assessing bioavailability of cadmium in the fence lizard (*Sceloporus undulatus*) and in ovo effects on hatchling size and thyroid function. *Chemosphere* 54:1643-1651.	18	Cadmium, no relevant data
Brasfield SM, Talent LG, Janz DM. 2008. Reproductive and thyroid hormone profiles in captive Western fence lizards (*Sceloporus occidentalis*) after a period of brumation. *Zoo Biology* 27:36-48.	15	No relevant data
Brasfield SM, Weber LP, Talent LG, Janz DN. 2002. Dose-response and time course relationships for vitellogenin induction in male western fence lizards (*Sceloporus occidentalis*) exposed to ethinylestradiol. *Environmental Toxicology and Chemistry* 21:1410-1416.	20	Not relevant to current review.
Braverman Y. 1979. Experiments on direct and secondary poisoning by fluoroacetamide (1081) in wildlife and domestic carnivores. *J. Wild. Dis*. 15:319-325	**432**	Secondary poisoning.
Brisbin IL, Newman MC, Mcdowell SG, Peters EL. 1990. Prediction of contaminant accumulation by free-living organisms - Applications of a sigmoidal model. *Environmental Toxicology and Chemistry* 9:141-149.	147	Model of contaminant accumulation, not relevant to current review.
Brock EM. 1965. Toxicological feeding trials to evaluate the hazard of secondary poisoning to gopher snakes, *Pituophis catenifer*. *Copeia* 1965(2):244-245.	**433**	Secondary poisoning.
Bronikowski AM, Arnold SJ. 1999. The evolutionary ecology of life history variation in the garter snake *Thamnophis elegans*. *Ecology* 80:2314-2325.	148	not relevant to current review.
Brooks JE, Savarie PJ, Johnston JJ. 1998. The oral and dermal toxicity of selected chemicals to brown tree snakes (*Boiga irregularis*). *Wildlife Research* 25:427-435.	**377**	Toxicity study. not relevant to current review.
Brooks Joe E, Savarie PJ, Bruggers RL. 1998. The toxicity of commercial insecticide aerosol formulations to brown tree snakes. *Snake* 28:23-27.	**395**	Toxicity study. not relevant to current review.

Reference	Ref ID	Comments
Brooks Joe E, Savarie PJ, Johnston JJ, Bruggers RL. 1998. Toxicity of pyrethrin/pyrethroid fogger products to brown tree snakes, *Boiga irregularis*, in cargo containers. *Snake* 28:33-36.	**394**	Toxicity study. not relevant to current review.
Brown RF, Taylor DH and Gist DH. 1995. Effect of caudal autotomy on locomotor performance of wall lizards (*Podarcis muralis*). *Journal of Herpetology*. 29(1):98-105.	487	Species information entered
Brown RP, Griffin S. 2005. Lower selected body temperatures after food deprivation in the lizard *Anolis carolinensis*. *Journal of Thermal Biology* 30:79-83.	491	Not isotope study, no suitable data for allometric equations
Brown RP, Perezmellado V, Diegorasilla J, Garcia JA, Naranjo A, Speakman JR. 1992. Individual and population energetics of a lizard on a Mediterranean islet. *Oecologia* 91:500-504.	488	Used data from Brown and Perzmellado (1994) (Same energy expenditure data with the addition of water flux data)
Brown RP, Perezmellado V. 1994. Ecological energetics and food acquisition in dense Menorcan islet populations of the lizard *Podarcis lilfordi*. *Functional Ecology* 8:427-434.	490	Energy expenditure data entered. Water flux data entered.
Brown RP, Thorpe RS, Speakman JR. 1992. Comparisons of body size, field energetics, and water flux among populations of the skink *Chalcides sexlineatus*. *Canadian Journal of Zoology-Revue Canadienne de Zoologie* 70:1001-1006.	489	Energy expenditure data entered. Water flux data entered.
Brown TK, Nagy KA, Morafka DJ. 2005. Costs of growth in tortoises. *Journal of Herpetology* 39:19-23.	492	Energy expenditure data entered. Water flux data entered.
Brown TK. 1999. The physiological ecology of desert horned lizards (Phrynosoma platyrhinos) in the Mojave Desert. PhD thesis. Univ. Calif., Los Angeles. 107pp**.**	493	**Energy expenditure data from Nagy et al (1999) entered**
Bryan AM, Olafsson PG, Stone WB. 1987. Disposition of low and high environmental concentrations of PCBs in snapping turtle tissues. *Bulletin of Environmental Contamination and Toxicology* 38:1000-1005.	150	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Bryan AM, Stone WB, Olafsson PG. 1987. Disposition of toxic PCB congeners in snapping turtle eggs - expressed as toxic equivalents of TCDD. *Bulletin of Environmental Contamination and Toxicology* 39:791-796.	149	Residue study, not relevant to current review.
Buono S, Cristiano L, D'Angelo B, Cimini A, Putti R. 2007. PPARalpha mediates the effects of the pesticide methyl thiophanate on liver of the lizard *Podarcis sicula*. *Comparative Biochemistry and Physiology C, Toxicology & Pharmacology* 145:306-314.	**344**	**Toxicity study. not relevant to current review.**
Burger J, Cooper K, Saliva J, Gochfeld D, Lipsky D, Gochfeld M. 1992. Mercury bioaccumulation in organisms from 3 Puerto-Rican estuaries. *Environmental Monitoring and Assessment* 22:181-197.	153	Residue study, not relevant to current review.
Burger J, Garber SD. 1995. Risk assessment, life-history strategies, and turtles - could declines be prevented or predicted. *Journal of Toxicology and Environmental Health* 46:483-500.	155	Review, not relevant to current review.
Burger J, Gibbons JW. 1998. Trace elements in egg contents and egg shells of slider turtles (*Trachemys scripta*) from the savannah river site. *Archives of Environmental Contamination and Toxicology* 34:382-386.	154	Residue study, not relevant to current review.
Burger J, Gochfeld M, Rooney AA, Orlando EF, Woodward AR, Guillette LJ. 2000. Metals and metalloids in tissues of American alligators in three Florida lakes. *Archives of Environmental Contamination and Toxicology* 38:501-508.	246	Residue study, not relevant to current review.
Burger J. 1992. Trace-element levels in pine snake hatchlings - tissue and temporal differences. *Archives of Environmental Contamination and Toxicology* 22:209-213.	152	Residue study, not relevant to current review.
Burnham DK, Lackey A, Manering M, Jaensson E, Pearson J, Tyler DO, Melson D, Talent LG. 2003. Effects of 17 alpha-ethinylestradiol on immune parameters in the lizard Sceloporus occidentalis. *Environmental Toxicology* 18:211-218.	30	Not relevant to current review.

Reference	Ref ID	Comments
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Campbell KR, Campbell TS. 2000. Lizard contaminant data for ecological risk assessment. *Reviews of Environmental Contamination and Toxicology* 165:39-116.	**44**	Review, source of references and data.
Campbell KR, Campbell TS. 2002. A logical starting point for developing priorities for lizard and snake ecotoxicology: A review of available data. *Environmental Toxicology and Chemistry* 21:894-898.	**10**	Review, checked for data and of references.
Canas Jaclyn E(Reprint), Rainwater TR, Smith PN, McMurry ST, Anderson TA. 2003. Organochlorine pesticides in Western Cottonmouth (*Agkistrodon piscivorus leuctostoma*) snakes from east central Texas. *Abstracts of Papers American Chemical Society* 226:78.	**74**	Abstract, residue study, not relevant to current review.
Capaldo A, Laforgia V, Varano L, Falco MD. 2007. The effects of the fungicide thiophanate methyl on the adrenal gland of reptilian and amphibian bioindicator organisms: differences in the response to endocrine disruptors. In Canonaco M, Facciolo RM, eds, *Evolutionary molecular strategies and plasticity*, Research Signpost, pp 143-167.	**332**	Not relevant to current review.
Capula M, Luiselli L, Rugiero L and Filippi E. 1994. A field experiment on the selection of basking sites by *Emys orbicularis* (Linnaeus, 1758). *Herpetozoa* 7(3/4):91-94.	494	Species information entered
Cardone A, Comitato R, Angelini F. 2008. Spermatogenesis, epididymis morphology and plasma sex steroid secretion in the male lizard *Podarcis sicula* exposed to diuron. *Environmental Research* 108:214-223.	**16**	Not relevant to current review.

Reference	Ref ID	Comments
Casini S, Fossi MC, Provvedi S, Marsili L, Ancora S, Spinsanti G, Panti C, Partata V, Arena P. 2008. Advances in the development of non-lethal biomarkers for ecotoxicological study of the Mediterranean logger-head turtle (*Caretta caretta*). *Marine Environmental Research* 66:168.	206	Abstract, not relevant to current review.
Chandranaik BM, Harish BR, Renukaprasad C, Krishnappa G. 2006. A note on cause of mortality in star tortoises. *Indian Journal of Veterinary Medicine* 26:108-109.	**345**	Not relevant to current review.
Cheek AO. 2006. Subtle sabotage: endocrine disruption in wild populations. *Revista de Biologia Tropical* 54:1-19.	71	Review, not relevant to current review.
Chelazzi G, Calfurni P, Grandinetti A, Carla M, Delfino G, Calloni C. 1981. Modification of homing behavior in *Testudo hermanni* Gmelin (Reptilia, Testudinidae) After Intranasal Irrigation with Zinc-Sulfate Solution. *Monitore Zoologico Italiano-Italian Journal of Zoology* 15:306-307.	156	Not relevant to current review.
Chen XJ, Xu XF, Ji X. 2003. Influence of body temperature on food assimilation and locomotor performance in white-striped grass lizards, *Takydromus wolteri* (Lacertidae). *Journal of Thermal Biology* 28:385-391.	520	**No suitable data for allometric equations**
Christian K, Bedford G, Green B, Griffiths A, Newgrain K, Schultz T. 1999. Physiological ecology of a tropical dragon, *Lophognathus temporalis*. *Australian Journal of Ecology* 24:171-181.	501	Water flux data entered.
Christian K, Bedford G. 1993. High reproductive expenditure per progeny in geckos relative to other lizards. *Journal of Herpetology* 27:351-354.	496	Not isotope study, no suitable data for allometric equations, review
Christian K, Green B, Bedford G, Newgrain K. 1996a. Seasonal metabolism of a small, arboreal monitor lizard, *Varanus scalaris*, in tropical Australia. *Journal of Zoology* 240:383-396.	499	Energy expenditure data entered. Water flux data entered.
Christian K, Green B, Kennett R. 1996b. Some physiological consequences of estivation by freshwater crocodiles, *Crocodylus johnstoni*. *Journal of Herpetology* 30:1-9. **)**	500	Water flux data entered.

Reference	Ref ID	Comments
Christian K, Green B. 1994. Seasonal energetics and water turnover of the frillneck lizard, *Chlamydosaurus kingii*, in the wet-dry tropics of Australia. *Herpetologica* 50:274-281.	498	Energy expenditure data entered. Water flux data entered.
Christian K, Kennett R, Green B. 1990. Energy and water relations of estivating fresh-water crocodiles. *American Zoologist* 30:A111.	495	Used data from Christian et al (1996b)
Christian K, Weavers B. 1994. Analysis of the activity and energetics of the lizard *Varanus-rosenbergi*. *Copeia* 1994:289-295.	497	Not isotope study, no suitable data for allometric equations
Christian KA, Bedford G, Green B, Schultz T, Newgrain K. 1998. Energetics and water flux of the marbled velvet gecko (*Oedura marmorata*) in tropical and temperate habitats. *Oecologia* 116:336-342	505	Energy expenditure data entered. Water flux data entered.
Christian KA, Corbett LK, Green B, Weavers BW. 1995. Seasonal activity and energetics of 2 species of varanid lizards in tropical Australia. *Oecologia* 103:349-357.	502	Energy expenditure data entered. Water flux data entered.
Christian KA, Griffiths AD, Bedford GS. 1996c. Physiological ecology of frillneck lizards in a seasonal tropical environment. *Oecologia* 106:49-56.	503	Not isotope study, no suitable data for allometric equations – refers to data from Christian and Green 1994. Assimilation efficiency estimate entered.
Christian KA, Weavers BW, Green B, Bedford GS. 1996d. Energetics and water flux in a semiaquatic lizard, *Varanus mertensi*. *Copeia* 354-362.	504	Energy expenditure data entered. Water flux data entered.
Christian KA, Webb JK, Schultz TJ. 2003. Energetics of bluetongue lizards (Tiliqua scincoides) in a seasonal tropical environment. *Oecologia* 136:515-523.	506	Energy expenditure data entered. Water flux data entered.
Chu CW, Tsai TS, Tsai IH, Lin YS, Tu MC. 2009. Prey envenomation does not improve digestive performance in Taiwanese pit vipers (*Trimeresurus gracilis* and *T. stejnegeri stejnegeri*). *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology* 152:579-585.	507	**No suitable data for allometric equations**
Clark DR, Flickinger EL, White DH, Hothem RL, Belisle AA. 1995. Dicofol and DDT residues in lizard carcasses and bird eggs from Texas, Florida, and California. *Bulletin of Environmental Contamination and Toxicology* 54:817-824.	**159**	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Clark DR, Jr., Bickham JW, Baker DL, Cowman DF. 2000. Environmental contaminants in Texas, USA, wetland reptiles: evaluation using blood samples. *Environmental Toxicology and Chemistry* 19:2259-2265.	**47**	Residue study, not relevant to current review.
Clark DR, Krynitsky AJ. 1985. DDE residues and artificial incubation of loggerhead sea turtle eggs. *Bulletin of Environmental Contamination and Toxicology* 34:121-125.	158	Residue study, not relevant to current review.
Clark TD, Butler PJ, Frappell PB. 2006. Factors influencing the prediction of metabolic rate in a reptile. *Functional Ecology* 20:105-113.	646	Not isotope study, no suitable data for allometric equations
Cobb GP, Bargar TA, Pepper CB, Norman DM, Houlis PD, Anderson TA. 2003. Using chorioallantoic membranes for non-lethal assessment of persistent organic pollutant exposure and effect in oviparous wildlife. *Ecotoxicology* 12:31-45.	**163**	Residue study, not relevant to current review.
Cobb GP, Houlis PD, Bargar TA. 2002. Polychlorinated biphenyl occurrence in American alligators (*Alligator mississippiensis*) from Louisiana and South Carolina. *Environmental Pollution* 118:II.	164	Residue study, not relevant to current review.
Cobb GP, Wood PD, OQuinn M. 1997. Polychlorinated biphenyls in eggs and chorioallantoic membranes of American alligators (*Alligator mississippiensis*) from coastal South Carolina. *Environmental Toxicology and Chemistry* 16:1456-1462.	169	Residue study, not relevant to current review.
Cobb GP, Wood PD. 1997. PCB concentrations in eggs and chorioallantoic membranes of loggerhead sea turtles (*Caretta caretta*) from the Cape Romain National Wildlife Refuge. *Chemosphere* 34:539-549.	168	Residue study, not relevant to current review.
Collins HL, Markin GP, Davis J. 1974. Residue accumulation in selected vertebrates following a single aerial application of mirex bait, Louisiana--1971-72. *Pesticide Monitoring Journal* 8(2):125-130	**434**	Residue study, not relevant to current review.
Congdon JD, Bellinger RE and Nagy KA. 1979. Energetics, temperature, and water relations in winter-aggregated *Scleropus jarrovi* (Sauria: Iguanidae). *Ecology* 60:30-35.	514	Energy expenditure data entered. Water flux data entered.

Reference	Ref ID	Comments
Congdon JD, Gatten RF. 1989. Movements and energetics of nesting *Chrysemys picta*. *Herpetologica* 45:94-100.	511	Not isotope study, no suitable data for allometric equations
Congdon JD, Tinkle DW. 1982. Energy-expenditure in free-ranging sagebrush lizards (*Sceloporus graciosus*). *Canadian Journal of Zoology-Revue Canadienne de Zoologie* 60:1412-1416	510	Energy expenditure data entered. Water flux data entered.
Congdon JD. 1977. Energetics of the montane lizard (*Scleropus jarrovi*): A measure of reproductive effort. Ph.D. dissertation, Arizona State University, Tempe.	515	Water flux data entered fro Nagy and Peterson (1988) entered.
Congdon JD. 1989. Proximate and evolutionary constraints on energy relations of reptiles. *Physiological Zoology* 62:356-373.	512	Not isotope study, no suitable data for allometric equations - Review
Congdon,J.D.; Tinkle,D.W. 1982. Reproductive energetics of the painted turtle (*Chrysemys picta*). *Herpetologica*. 38(1):228-237.	509	Not isotope study, no suitable data for allometric equations
Congdon JD, Vitt LJ, Sels RCV, Ohmart RD. 1982. The Ecological significance of water flux rates in arboreal desert lizards of the genus *Urosaurus*. Physiological Zoology 55(3):317-322	508	**Water flux data entered.**
Cooper PD, Robinson MD. 1990. Water-balance and bladder function in the Namib desert sand dune lizard, *Aporosaura anchietae* (Lacertidae). *Copeia* 1990(1):34-40.	513	Energy expenditure data entered. Water flux data entered.
Cort T, Masuoka J, Lance VA, Saltman P. 1995. Plasma zinc concentrations in snakes and other vertebrates correlate with specific zinc-binding plasma-proteins. *Journal of Zoology* 236:513-520.	292	Residue study, not relevant to current review.
Coulson RA, Coulson TD, Herbert JD. 1990. How do digestion and assimilation rates in alligators vary with temperature. *Comparative Biochemistry and Physiology A-Physiology* 96:441-449.	171	Digestion, not used.
Coulson RA, Hernandez T. 1971. Catabolic effects of cyclo heximide in the living reptile. *Comparative Biochemistry and Physiology B* 40:741-749.	**406**	Toxicity study, not relevant to current review.

Reference	Ref ID	Comments
Cox CL, Secor SA. 2007. Effects of meal size, clutch, and metabolism on the energy efficiencies of juvenile Burmese pythons, Python molurus. *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology* 148:861-868.	516	**Not isotope study, no suitable data for allometric equations**
Crain DA, Guillette LJ, Pickford DB, Percival HF, Woodward AR. 1998. Sex-steroid and thyroid hormone concentrations in juvenile alligators (*Alligator mississippiensis*) from contaminated and reference lakes in Florida, USA. *Environmental Toxicology and Chemistry* 17:446-452.	179	Hormone levels, not relevant to current review.
Crain DA, Guillette LJ, Rooney AA, Pickford DB. 1997. Alterations in steroidogenesis in alligators (*Alligator mississippiensis*) exposed naturally and experimentally to environmental contaminants. *Environmental Health Perspectives* 105:528-533.	**182**	Egg exposure, not relevant to current review.
Crain DA, Guillette LJ. 1998. Reptiles as models of contaminant-induced endocrine disruption. *Animal Reproduction Science* 53:77-86.	**178**	Not relevant to current review.
Crain DA, Rooney AA, Orlando EF, Guillette LJ. 2000. Endocrine-disrupting contaminants and hormone dynamics: Lessons from wildlife. pp. 1-21 In: *Environmental Endocrine Disrupters: An Evolutionary Perspective.* (Guillette LJ and Crain DA eds.) Taylor and Francis, London.	241	Not relevant to current review..
Crain DA, Spiteri ID, Guillette LJ. 1999. The functional and structural observations of the neonatal reproductive system of alligators exposed in ovo to atrazine, 2,4-D, or estradiol. *Toxicology and Industrial Health* 15:180-185.	**177**	Egg exposure, not relevant to current review.
Cree A, Tyrrell CL, Preest MR, Thorburn D, Guillette LJ. 2003. Protecting embryos from stress: corticosterone effects and the corticosterone response to capture and confinement during pregnancy in a live-bearing lizard (*Hoplodactylus maculatus*). *General and Comparative Endocrinology* 134:316-329.	19	Not relevant to current review.
Crews D, Bergeron JM, McLachlan JA. 1995. The role of estrogen in turtle sex determination and the effect of PCBs. *Environmental Health Perspectives* 103:73-77. (Supp. 7)	116	Not relevant to current review.

Reference	Ref ID	Comments
Crews D, Wibbels T, Gutzke WHN. 1989. Action of sex steroid-hormones on temperature-induced sex determination in the snapping turtle (*Chelydra serpentina*). *General and Comparative Endocrinology* 76:159-166.	192	Egg exposure, V
Crocker D, Hart A, Gurney J and McCoy C. 2002. Methods for estimating daily food intake of wild birds and mammals. http://www.pesticides.gov.uk/uploadedfiles/Web_Assets/PSD/Research_PN0908.pdf	517	Source of data for estimating food consumption
Culley DD, Applegate HG. 1967. Pesticides at Presidio: IV. Reptiles, birds, and mammals. *Tex J Sci* 19:301-310.	**407**	Residue study, not relevant to current review.
Davenport J, Wrench J. 1990. Metal levels in a leatherback turtle. *Marine Pollution Bulletin* 21:40-41.	193	Residue study, not relevant to current review.
de Bont RG, van Gelder JJ and Olders JHJ. 1986. Thermal ecology of the smooth snake, *Coronella austriaca* Laurenti, during spring. *Oecologia* 69(1):72-78.	647	Species information entered
De Falco M, Sciarrillo R, Capaldo A, Russo T, Gay F, Valiante S, Varano L, Laforgia V. 2007. The effects of the fungicide methyl thiophanate on adrenal gland morphophysiology of the lizard, *Podarcis sicula*. *Archives of Environmental Contamination and Toxicology* 53:241-248.	**66**	Toxicity study, not relevant to current review.
de Solla SR, Bishop CA, Brooks RJ. 2002. Sexually dimorphic morphology of hatchling snapping turtles (*Chelydra serpentina*) from contaminated and reference sites in the Great Lakes and St Lawrence River basin, North America. *Environmental Toxicology and Chemistry* 21:922-929.	**122**	Residues and effects, not relevant to current review.
de Solla SR, Bishop CA, Lickers H, Jock K. 2001. Organochlorine pesticides, PCBs, dibenzodioxin, and furan concentrations in common snapping turtle eggs (*Chelydra seppentina serpentina*) in Akwesasne, Mohawk territory, Ontario, Canada. *Archives of Environmental Contamination and Toxicology* 40:410-417.	**123**	Residue study, not relevant to current review.

Reference	Ref ID	Comments
de Solla SR, Bishop CA, Van der Kraak G, Brooks RJ. 1998. Impact of organochlorine contamination on levels of sex hormones and external morphology of common snapping turtles (*Chelydra serpentina serpentina*) in Ontario, Canada. *Environmental Health Perspectives* 106:253-260.	**135**	Residues and effects, not relevant to current review.
de Solla SR, Fernie KJ, Ashpole S. 2008. Snapping turtles (*Chelydra serpentina*) as bioindicators in Canadian Areas of Concern in the Great Lakes Basin. II. Changes in hatching success and hatchling deformities in relation to persistent organic pollutants. *Environmental Pollution* 153:529-536.	**194**	Residues and effects, not relevant to current review.
de Solla SR, Fernie KJ, Letcher RJ, Chu SG, Drouillard KG, Shahmiri S. 2007. Snapping turtles (*Chelydra serpentina*) as bioindicators in Canadian areas of concern in the Great Lakes basin. 1. Polybrominated diphenyl ethers, polychlorinated biphenyls, and organochlorine pesticides in eggs. *Environmental Science & Technology* 41:7252-7259.	**195**	Residue study, not relevant to current review.
de Solla SR, Fernie KJ. 2004. Characterization of contaminants in snapping turtles (*Chelydra serpentina*) from Canadian Lake Erie Areas of Concern: St. Clair River, Detroit River, and Wheatley Harbour. *Environmental Pollution* 132:101-112.	**197**	Residue study, not relevant to current review.
de Solla SR, Fletcher ML, Bishop CA. 2003. Relative contributions of organochlorine contaminants, parasitism, and predation to reproductive success of eastern spiny softshell turtles (*Apalone spiniferus spiniferus*) from southern Ontario, Canada. *Ecotoxicology* 12:261-270.	**121**	Residues and effects, not relevant to current review.
de Solla SR, Martin PA, Fernie KJ, Park BJ, Mayne G. 2006. Effects of environmentally relevant concentrations of atrazine on gonadal development of snapping turtles (*Chelydra serpentina*). *Environmental Toxicology and Chemistry* 25:520-526.	**196**	Egg exposure, not relevant to current review.
de Solla SR, Martin PA. 2007. Toxicity of nitrogenous fertilizers to eggs of snapping turtles (*Chelydra serpentina*) in field and laboratory exposures. *Environmental Toxicology and Chemistry* 26:1890-1895.	**65**	Egg exposure, not relevant to current review.

Reference	Ref ID	Comments
Delany MF, Bell JU, Sundlof SF. 1988. Concentrations of contaminants in muscle of the American alligator in Florida. *Journal of Wildlife Diseases* 24:62-66.	**111**	Residue study, not relevant to current review.
Diaz JA. 1995. Prey selection by Lacertid lizards - a short review. *Herpetological Journal* 5:245-251.	518	**Prey selection, not entered**
Diaz-Paniagua C, Marco A, Fernandez M, Hernandez LM. 2002. Lead, PCBs and other environmental pollutants on chameleon eggs in southern Spain. *Fresenius Environmental Bulletin* 11:631-635.	**95**	Residue study, not relevant to current review.
Dilley JV, Tyson CA, Spanggord RJ, Sasmore DP, Newell GW and Dacre JC. 1982. Short-term oral toxicity of 2,4,6-trinitrotoluene in mice, rats, and dogs. *Journal of Toxicology and Environmental Health*. 9(4):565-585.	435	Source of mammalian toxicity data.
DonnerWright DM, Bozek MA, Probst JR, Anderson EM. 1999. Responses of turtle assemblage to environmental gradients in the St. Croix River in Minnesota and Wisconsin, USA. *Canadian Journal of Zoology-Revue Canadienne de Zoologie* 77:989-1000.	200	Residues and effects, not relevant to current review.
Doughty P, Shine R. 1998. Reproductive energy allocation and long-term energy stores in a viviparous lizard (*Eulamprus tympanum*). *Ecology* 79:1073-1083.	521	Not isotope study, no suitable data for allometric equations
Driver CJ, Ligotke MW, Vanvoris P, McVeety BD, Greenspan BJ, Drown DB. 1991 Routes of uptake and their relative contribution to the toxicologic response of northern bobwhite (*Colinus virginianus*) to an organophosphate pesticide. *Environmental Toxicology and Chemistry* 10(1):21-33	658	**Backgrodundm information on effects of dermal exposure in birds.**
Dryden G, Green B, King D, Losos J. 1990. Water and energy turnover in a small monitor lizard, *Varanus acanthurus*. *Australian Wildlife Research* 17:641-646.	522	**Energy expenditure data entered. Water flux data entered.**

Reference	Ref ID	Comments
Dryden GL, Green B, Wikramanayake ED, Dryden KG. 1992. Energy and water turnover in 2 tropical varanid lizards, *Varanus bengalensis* and *V. Salvator*. *Copeia* 1992:102-107.	523	**Energy expenditure data entered. Water flux data entered.**
Duhr D. 1998. Poisoning due to an intake of mice bait with Cholecalciferol in combination with acute egg-binding in a tortoise. *Praktische Tierarzt* 79:210-212.	103	Case study of poisoning incident, not relevant to current review.
Durant SE, Hopkins WA, Talent LG. 2007. Energy acquisition and allocation in an ectothermic predator exposed to a common environmental stressor. *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology* 145:442-448.	**4**	Not isotope study, no suitable data for allometric equations – captive animals
Durant SE, Hopkins WA, Talent LG. 2007b. Impaired terrestrial and arboreal locomotor performance in the western fence lizard (*Sceloporus occidentalis*) after exposure to an AChE-inhibiting pesticide. *Environmental Pollution* 149:18-24.	**43**	Toxicity study, not relevant to current review.
Eason CT, Spurr EB. 1995. Review of the toxicity and impacts of brodifacoum on non-target wildlife in New Zealand. *New Zealand Journal of Zoology* 22:371-379.	**85**	Review, no reptile data, not relevant to current review.
EFSA. 2008. Scientific Opinion of the Panel on Plant Protection Products and their residues on a request from the EFSA PRAPeR Unit on risk assessment for birds and mammals. *The EFSA Journal* 734:1-181	524	Information entered
Eisler R. 1992. Fenvalerate hazards to fish, wildlife, and invertebrates: A synoptic review. *Biol Rep U S Fish Wildl Serv* .	**429**	Review, no reptile toxicity data, not relevant to current review.
Eisler R. 1995. Sodium Monofluoroacetate (1080) Hazards to Fish, Wildlife, and Invertebrates: a Synoptic Review. *Natl Biol Service Biol Report* 27.	**421**	Review checked for data/refs
Ekner A, Majlath I, Majlathova V, Hromada M, Bona M, Antczak M, Bogaczyk M and Tryjanowski P. 2008. Densities and morphology of the two co-existing lizard species (*Lacerta agilis* and *Zootica vivipara*) in extensively used farmland in Poland. *Folia biologica (Krakow)*. 56(3/4):165-171.	525	Species information entered

Reference	Ref ID	Comments
Elsey RM, Lance VA, Campbell L. 1999. Mercury levels in alligator meat in South Louisiana. *Bulletin of Environmental Contamination and Toxicology* 63:598-603.	202	Residue study, not relevant to current review.
Empson RA, Miskelly CM. 1999. The risks, costs and benefits of using brodifacoum to eradicate rats from Kapiti Island, New Zealand. *New Zealand Journal of Ecology* 23:241-254.	**102**	Field trial, no reptile data, not relevant.
European Commission. 2005. Review report for the active substance thiophanate-methyl finalised in the Standing Committee on the Food Chain and Animal Health at its meeting on 15 February 2005 in view of the inclusion of thiophanate-methyl in Annex I of Directive 91/414/EEC. Thiophanate-methyl 5030/VI/98 final.	436	Source of avian and mammalian toxicity data.
Facemire C, Augspurger T, Bateman D, Brim M, Conzelmann P, Delchamps S, Douglas E, Inmon L, Looney K, Lopez F, Masson G, Morrison D, Morse N, Robison A. 1995. Impacts of mercury contamination in the Southeastern United States. *Water Air and Soil Pollution* 80:923-926.	203	Residue study, not relevant to current review.
Facemire CF. 2000. Bioaccumulation, storage, and mobilization of endocrine-altering contaminants. pp. 52-81. In: *Environmental Endocrine Disrupters: An Evolutionary Perspective.* (Guillette LJ and Crain DA eds.) Taylor and Francis, London.pp. 52-81.	242	Residue study, not relevant to current review.
Feder ME, Burggren WW. 1992. Environmental physiology of the amphibians. University of Chicago, Chicago IL	526	Background information on dermal uptake.
Fernie KJ, King RB, Drouillard KG, Stanford KM. 2008. Temporal and spatial patterns of contaminants in Lake Erie watersnakes (*Nerodia sipedon insularum*) before and after the round goby (*Apollonia melanostomus*) invasion. *Science of the Total Environment* 406:344-351.	**338**	Residue study, not relevant to current review.
Ficetola GM and De Bernadi. 2006. Is the European “pond” turtle *Emys orbicularis* strictly aquatic and carnivorous? Amphibia-Reptilia 27:445-447.	527	Species information entered

Reference	Ref ID	Comments
Fischer RU, Congdon JD, Mazzotti FJ, Gatten RE. 1987. Developmental energetics of the American alligator. *American Zoologist* 27:A96.	648	Not isotope study, no suitable data for allometric equations
Fleet RR, Plapp FW, Jr. 1978. DDT residues in snakes decline since DDT ban. *Bulletin of Environmental Contamination and Toxicology* 19:383-388.	**403**	Residue study, not relevant to current review.
Flickinger EL, King KA, Stout WF, Mohn MM. 1980. Wildlife hazards from Furadan 3G applications to rice in Texas. *J.Wildl.Manag*. 44(1):190-197	**451**	Field study, not relevant to current review.
Fontenota LW, Noblet GP, Akins JM, Stephens MD, Cobb GP. 2000. Bioaccumulation of polychlorinated biphenyls in ranid frogs and northern water snakes from a hazardous waste site and a contaminated watershed. *Chemosphere* 40:803-809.	166	Residue study, not relevant to current review.
Ford WM, Hill EP. 1991. Organochlorine pesticides in soil sediments and aquatic animals in the Upper Steele Bayou watershed of Mississippi. *Archives of Environmental Contamination and Toxicology* 20:161-167.	**205**	Residue study, not relevant to current review.
Fossi MC, Sanchez-Hernandez JC, Diazdiaz R, Lari L, Garciahernandez JE, Gaggi C. 1995. The lizard *Gallotia galloti* as a bioindicator of organophosphorus contamination in the Canary-Islands. *Environmental Pollution* 87:289-294.	**86**	Not relevant to current review.
Fox GA. 2001. Effects of endocrine disrupting chemicals on wildlife in Canada: Past, present and future. *Water Quality Research Journal of Canada* 36:233-251.	34	Not relevant to current review.
Frappell P, Schultz T, Christian K. 2002. Oxygen transfer during aerobic exercise in a varanid lizard *Varanus mertensi* is limited by the circulation. *Journal of Experimental Biology* 205:2725-2736.	528	Not isotope study, no suitable data for allometric equations
Frazer JFD. 1983. Reptiles and Amphibians in Britain. Bloomsbury Books, London	529	Species information entered
Freeman AB, Hickling GJ, Bannock CA. 1996. Response of the skink *Oligosoma maccanni* (Reptilia: Lacertilia) to two vertebrate pest-control baits. *Wildlife Research* 23:511-516.	105	Not relevant to current review.

Reference	Ref ID	Comments
Fry HK. 1913. The blood-volume of cold-blooded animals as determined by experiments upon frogs and lizards. *Experimental Physiology.* 7:185-192.	530	Information on lizard surface area entered
Gale RW, Bergeron JM, Willingham EJ, Crews D. 2002. Turtle sex determination assay: mass balance and responses to 2,3,7,8-tetrachlorodibenzo- p -dioxin and 3,3prime,4,4prime,5-pentachlorobiphenyl. *Environmental Toxicology and Chemistry* 21:2477-2482.	**369**	Egg exposure, not relevant to current review.
Gardner SC, Oberdorster E. 2006. Toxicology of reptiles. In Gardner SC, Oberdorster E, eds, *Toxicology of reptiles*, CRC Press LLC, p 310.	**351**	**Checked for data and references.**
Gardner SC, Pier MD, Wesselman R, Juarez JA. 2003. Organochlorine contaminants in sea turtles from the Eastern Pacific. *Marine Pollution Bulletin* 46:1082-1089.	**36**	Residue study, not relevant to current review.
Gasith A, Sidis I. 1984. Polluted Water Bodies, the Main Habitat of the Caspian Terrapin (*Mauremys caspica rivulata*) in Israel. *Copeia* 1984(1):216-219.	212	Not relevant to current review.
Goddard P. 1984. Morphology, growth, food habits and population characteristics of the smooth snake *Coronella austriaca* in southern Britain. Journal of Zoology, London 204:241-257.	531	Species information entered
Gogal RM, Johnson MS, Larsen CT, Prater MR, Duncan RB, ward DL, and Holladay SD. 2002. Influence of dietary 2,4,6-trinitrotoluene exposure in the northern bobwhite (*Colinus virginianus*). *Environmental Toxicology and Chemistry*, 21(1):81–86,	437	Source of avian toxicity data.
Gollmann G and Gollmann B. 2008. Diving in the lizards *Anguis fragilis* and *Lacerta agilis*. *North-Western Journal of Zoology* 4(2):324-326.	532	Information on diving behaviour entered
Golob Z, Kobal S. 1995. A case of azinphos-methyl intoxication in reptiles and its determination in tissue extracts. (Primer zastrupitve plazilcev z azinfos-metilom in njegovo dolocanje v tkivnih izvleckih). *Veterinarske novice* 21:183-186.	**411**	Cannot locate, case study, not relevant to current review.

Reference	Ref ID	Comments
Gomara B, Gomez G, az-Paniagua C, Marco A, Gonzalez MJ. 2007. PCB, DDT, arsenic, and heavy metal (Cd, Cu, Pb, and Zn) concentrations in chameleon (Chamaeleo chamaeleon) eggs from Southwest Spain. *Chemosphere* 68:25-31.	**22**	Residue study, not relevant to current review.
Gramentz D. 1988. Involvement of loggerhead turtle with the plastic, metal, and hydrocarbon pollution in the central Mediterranean. *Marine Pollution Bulletin* 19:11-13.	214	Contaminant levels, no relevant data.
Green B, Dryden G, Dryden K. 1991. Field energetics of a large carnivorous lizard, *Varanus rosenbergi*. *Oecologia* 88:547-551.	533	Energy expenditure data entered. Water flux data entered.
Green B, Herrera E, King D, Mooney N. 1997. Water and energy use in a free-living tropical, carnivorous lizard, *Tupinambis teguixin*. *Copeia* 1997:200-203.	534	Energy expenditure data entered. Water flux data entered.
Green B, King D, Braysher M, Saim A. 1991. Thermoregulation, water turnover and energetics of free-living Komodo dragons, *Varanus-komodoensis*. *Comparative Biochemistry and Physiology A-Physiology* 99:97-101.	535	Energy expenditure data entered. Water flux data entered.
Green B, King D, Butler H. 1986. Water, sodium and energy turnover in free-living perenties, *Varanus giganteus*. *Australian Wildlife Research* 13:589-595.	536	Energy expenditure data entered. Water flux data entered.
Green B. 1972 Water losses of the sand goanna (*Varanus gouldii*) in its natural environment. *Ecology* 53:452-457.	537	Water flux data entered from Nagy and Peterson (1988).
Grenot CJ, Buscarlet LA. 1988. Validation and use of isotope turnover to measure metabolism in free-ranging vertebrates. *Journal of Arid Environments* 14:211-232.	538	Review of isotope turnover data from other studies, not used
Grenot CJ, Galina-Tessaro P, Alvarez-Cardenas S. 1995. Field metabolism of lizards from lower altitude regions of Baja California sur (Mexico). *Amphib. Reptil*. 16:11-23.	539	Energy expenditure data entered. Water flux data entered.
Grigg GC, Taplin LE, Green B and Harlow P. 1986. Sodium and water fluxes in free-living *Crocodylus porosus* in marine and brackish conditions. *Physiological Zoology* 59:240-253.	540	Water flux data entered.

Reference	Ref ID	Comments
Gross TS. 1999. Endocrine disrupting effects of chlorinated hydrocarbons on wildlife. National Institute of Environmental Health Sciences. University of Florida (Grant Number: 3P42ES007375-05S10001)	**418**	Grant application, not paper, not relevant.
Guarino F, Georges A, Green B. 2002. Variation in energy metabolism and water flux of free-ranging male lace monitors, *Varanus varius* (Squamata : Varanidae). *Physiological and Biochemical Zoology* 75:294-304	541	Energy expenditure data entered. Water flux data entered.
Guillette LJ, Crain DA, Gunderson MP, Kools SAE, Milnes MR, Orlando EF, Rooney AA, Woodward AR. 2000. Alligators and endocrine disrupting contaminants: A current perspective. *American Zoologist* 40:438-452.	**175**	Not relevant to current review.
Guillette LJ, Crain DA, Rooney AA, Orlando EF. 1996. Contaminant-induced alterations of the reproductive endocrinology of American alligators. *Abstracts of Papers of the American Chemical Society* 212:1-TOXI.	183	Abstract, not relevant to current review.
Guillette LJ, Crain DA, Rooney AA, Pickford DB. 1995. Organization versus activation - the role of endocrine-disrupting contaminants (EDCs) during embryonic-development in wildlife. *Environmental Health Perspectives* 103:157-164. (Supp. 7)	186	Embryos, not relevant to current review.
Guillette LJ, Crain DA, Rooney AA, Woodward AR. 1997. Effect of acute stress on plasma concentrations of sex and stress hormones in juvenile alligators living in control and contaminated lakes. *Journal of Herpetology* 31:347-353.	181	Contaminant effects on hormone levels, not relevant to current review.
Guillette LJ, Crain DA. 1998. Contaminant-induced developmental abnormalities of the reproductive and endocrine systems in reptiles. *American Zoologist* 38:179A.	**397**	Abstract, not relevant to current review.
Guillette LJ, Edwards TM. 2005. Is nitrate an ecologically relevant endocrine disruptor in vertebrates? *Integrative and Comparative Biology* 45:19-27.	224	Not relevant to current review.
Guillette LJ, Gross TS, Gross DA, Rooney AA, Percival HF. 1995. Gonadal steroidogenesis in-vitro from juvenile alligators obtained from contaminated or control lakes. *Environmental Health Perspectives* 103:31-36 (Supp. 4).	263	Egg contamination, not relevant to current review.

Reference	Ref ID	Comments
Guillette LJ, Gross TS, Masson GR, Matter JM, Percival HF, Woodward AR. 1994. Developmental abnormalities of the gonad and abnormal sex-hormone concentrations in juvenile alligators from contaminated and control lakes in Florida. *Environmental Health Perspectives* 102:680-688.	265	Egg contamination, not relevant to current review.
Guillette LJ, Gunderson MP. 2001. Alterations in development of reproductive and endocrine systems of wildlife populations exposed to endocrine-disrupting contaminants. *Reproduction* 122:857-864.	239	Not relevant to current review.
Guillette LJ, Iguchi T. 2003. Contaminant-induced endocrine and reproductive alterations in reptiles. *Pure and Applied Chemistry* 75:2275-2286.	231	Not relevant to current review.
Guillette LJ, Iguchi T. 2006. Sex determination in reptiles: Genes, hormones and environmental contaminants. *Journal of Experimental Zoology Part A-Comparative Experimental Biology* 305A:130.	**221**	Abstract, egg contamination, not relevant to current review.
Guillette LJ, Jr., Brock JW, Rooney AA, Woodward AR. 1999. Serum concentrations of various environmental contaminants and their relationship to sex steroid concentrations and phallus size in juvenile American alligators. *Archives of Environmental Contamination and Toxicology* 36:447-455.	**375**	Contaminant effects on hormone levels, not relevant to current review.
Guillette LJ, Jr., Milnes MR, Gunderson MP, Rooney AA, Gates J. 1999. Low dose pesticide exposure and altered reproductive system development in wildlife. *Int J Toxicol* 18:434-435.	**417**	Abstract, egg contamination, not relevant to current review.
Guillette LJ, Milnes MR. 2001. Recent observations on the reproductive physiology and toxicology of crocodilians. Pp. 199-213. In: *Crocodilian Biology and Evolution (*Eds Grigg, GC, Seebacher F and Franklin CE). Proceedings of Conference on Crocodilian Biology and Evolution. Univ Queensland, St Lucia, Australia, Jul, 1998. Univ Queensland, Dept Zool Surrey Beatty & Sons, Chipping Norton NSW.	**235**	Not relevant to current review.

Reference	Ref ID	Comments
Guillette LJ, Pickford DB, Crain DA, Rooney AA, Percival HF. 1996. Reduction in penis size and plasma testosterone concentrations in juvenile alligators living in a contaminated environment. *General and Comparative Endocrinology* 101:32-42.	184	Contaminant effects, not relevant to current review.
Guillette LJ, Rooney AA, Crain DA, Orlando EF. 1999. Steroid hormones as biomarkers of endocrine disruption in wildlife. *Eighth Symposium on Environmental Toxicology and Risk Assessment: Standardization of Biomarkers for Endocrine Disruption and Environmental Assessment: Eighth Volume* 1364:254-270. (EdsBy Henshel DS, Black MC and Harrass MC, ASTM Committee E-47 on Biological Effects and Environmental Fate). ASTM International	250	**Biomarkers, not relevant to current review.**
Guillette LJ, Vonier PM, McLachlan JA. 2002. Affinity of the alligator estrogen receptor for serum pesticide contaminants. *Toxicology* 181:II.	**233**	In vitro study, not relevant to current review.
Guillette LJ. 1994. Endocrine-disrupting environmental contaminants and reproduction - lessons from the study of wildlife.pp 201-207. *In; Women's Health Today*: *perspectives on current research and clinical practice*. (D. R. Popkin, L. J. Peddle eds.). Informa Health Care, London?	266	Not relevant to current review.
Guillette LJ. 2000. Contaminant-associated endocrine disruption in reptiles. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 595-615.	131	Not relevant to current review.
Guillette LJ. 2000. Contaminant-induced endocrine disruption in wildlife. *Growth Hormone & Igf Research* 10:45-50.	247	Not relevant to current review.
Guillette LJ. 2001. Developmental abnormalities in alligators living in contaminated environments. *Toxicology* 164:12.	238	Contaminant effects on hormone levels, not relevant to current review.
Guillette LJ. 2003. Reproduction and environmental contaminants: Endocrinology, evolution, and alligators. *Biology of Reproduction* 68:S1.	**230**	Abstract, not relevant to current review.
Guillette LJ. 2006. Endocrine disrupting contaminants - Beyond the dogma. *Environmental Health Perspectives* 114:9-12.	220	Not relevant to current review.

Reference	Ref ID	Comments
Guillette Louis R. 2001. Lessons from embryos on environmental contaminants as hormones and anti-hormones. *Development Growth and Differentiation* 43:S29.	**393**	Abstract, egg contamination, not relevant to current review.
Gunderson MP, Bermudez DS, Bryan TA, Crain DA, Degala S, Edwards TM, Kools SAE, Milnes MR, Guillette LJ. 2002. Temporal and spatial variation in plasma thyroxine (T-4) concentrations in juvenile alligators collected from Lake Okeechobee and the northern Everglades, Florida, USA. *Environmental Toxicology and Chemistry* 21:914-921.	173	Contaminant effects on hormone levels, not relevant to current review.
Gunderson MP, Bermudez DS, Bryan TA, Degala S, Edwards TM, Kools SAE, Milnes MR, Woodward AR, Guillette LJ. 2004. Variation in sex steroids and phallus size in juvenile American alligators (*Alligator mississippiensis*) collected from 3 sites within the Kissimmee-Everglades drainage in Florida (USA). *Chemosphere* 56:335-345.	**227**	Contaminant effects on hormone levels, not relevant to current review.
Gunderson MP, LeBlanc GA, Guillette LJ. 2001. Alterations in sexually dimorphic biotransformation of testosterone in juvenile American alligators (*Alligator mississippiensis*) from contaminated lakes. *Environmental Health Perspectives* 109:1257-1264.	237	Contaminant effects on hormone levels, not relevant to current review.
Gunderson MP, Oberdorster E, Guillette LJ. 2004. Phase I and II liver enzyme activities in juvenile alligators (*Alligator mississippiensis*) collected from three sites in the Kissimmee-Everglades drainage, Florida (USA). *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology* 139:39-46.	**226**	Contaminant effects on enzyme levels, not relevant to current review.
Hailey A. 1989. How far do animals move? Routine movements in a tortoise. *Can. J. Zool*. 67:208-215	649	Species information entered
Hailey A. 2000. Assessing body mass condition in the tortoise *Testudo hermanni*. *Herpetological Journal* 10:57-61	655	Species information entered
Hall RJ, Belisle AA, Sileo L. 1983. Residues of petroleum-hydrocarbons in tissues of sea turtles exposed to the Ixtoc-I oil-spill. *Journal of Wildlife Diseases* 19:106-109.	269	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Hall RJ, Clark DR. 1982. Responses of the iguanid lizard *Anolis carolinensis* to 4 organo-phosphorus pesticides. *Environmental Pollution Series A-Ecological and Biological* 28:45-52.	**157**	Toxicity data, not relevant to current review.
Hall RJ, Henry PFP. 1992. Assessing effects of pesticides on amphibians and reptiles - status and needs. *Herpetological Journal* 2:65-71.	**99**	Review, data elsewhere.
Hall RJ, Kaiser TE, Robertson WB, Jr., Patty PC. 1979. Organochlorine residues in eggs of the endangered american crocodile *Crocodylus acutus*. *Bulletin of Environmental Contamination and Toxicology* 23:87-90.	**93**	Residue study, not relevant to current review.
Hall RJ. 1980. Effects of environmental contaminants on reptiles a review. *US Fish and Wildlife Service Special Scientific Report-Wildlife* 228:1-12.	**409**	Review of field effects, source of refrences.
Hancock TV, Gleeson TT. 2002. Metabolic recovery in the desert iguana (*Dipsosaurus dorsalis*) following activities of varied intensity and duration. *Functional Ecology* 16:40-48.	542	Not isotope study, no suitable data for allometric equations
Hare KM, Pledger S, Thompson MB, Miller JH, Daugherty CH. 2006. Daily patterns of metabolic rate among New Zealand lizards (Reptilia : Lacertilia : Diplodactylidae and Scincidae). *Physiological and Biochemical Zoology* 79:745-753.	543	Not isotope study, no suitable data for allometric equations
Hazard LC, Nagy KA, Miles D, Costa D, Sinervo B. 2003. Field metabolic rate, stamina and survival of male lizards with alternative mating strategies. *Integrative and Comparative Biology* 43:839.	544	**Abstract of isotope study, no data.**
Hazard LC, Shemanski DR, Nagy KA. 2000. Digestibility of native and exotic food plants eaten by juvenile desert tortoises. *American Zoologist* 40:1050.	545	Not isotope study, no suitable data for allometric equations
HazardLC, Shemanski DR and Nagy KA. 2009. Nutritional quality of natural foods of juvenile desert (*Gopherus agassizii*): Energy, nitrogen, and fiber digestibility. Journal of Herpetology. 43(1):38-48.	546	**No suitable data for allometric equations**
Hebert CE, Glooschenko V, Haffner GD, Lazar R. 1993. Organic contaminants in snapping turtle (*Chelydra serpentina*) populations from southern Ontario, Canada. *Archives of Environmental Contamination and Toxicology* 24:35-43.	270	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Heinz GH, Percival HF, Jennings ML. 1991. Contaminants in American alligator eggs from Lake Apopka, Lake Griffin, and Lake Okeechobee, Florida. *Environmental Monitoring and Assessment* 16:277-285.	**271**	Residue study, not relevant to current review.
Helwig DD, Hora ME. 1983. Polychlorinated biphenyl, mercury, and cadmium concentrations in Minnesota snapping turtles. *Bulletin of Environmental Contamination and Toxicology* 30:186-190.	272	Residue study, not relevant to current review.
Henen BT, Peterson CC, Wallis IR, Berry KH, Nagy KA. 1998. Effects of climatic variation on field metabolism and water relations of desert tortoises. *Oecologia* 117:365-373	547	Water flux data but no body weights – not entered
Henen BT. 1997. Seasonal and annual energy budgets of female desert tortoises (*Gopherus agassizii*). *Ecology* 78:283-296	548	Energy expenditure data entered.
Henle K. 1988. Amphibian and reptile fatalities caused by chlordane spraying? *Victorian Naturalist (Blackburn)* 105:216-217.	**400**	Field effects, not relevant to current review.no data
Henny CJ, Beal KF, Bury RB, Goggans R. 2003. Organochlorine pesticides, PCBs, trace elements and metals in western pond turtle eggs from Oregon. *Northwest Science* 77:46-53.	**29**	Residue study, not relevant to current review.
Herbert JD, Coulson RA, Hernandez T. 1983. Inhibition of pyruvate carboxylation in alligators and chameleons by carbonic-anhydrase inhibitors. *Comparative Biochemistry and Physiology A-Physiology* 75:185-192.	172	Not relevant to current review.
Herrel A, Van Damme R, Vanhooydonck B and De Vree F. 2001. The implications of bite performance for diet in two species of lacertid lizards. *Can. J. Zool*. 79:662-670.	549	Species information entered
Hewitt AE, Crain DA, Gunderson MP, Guillette LJ. 2002. Thyroid status in juvenile alligators (*Alligator mississippiensis*) from contaminated and reference sites on Lake Okeechobee, Florida, USA. *Chemosphere* 47:II.	174	Contaminant effects, not relevant to current review.
Hinton TG, Whicker FW, Pinder JE, Ibrahim SA. 1992. Comparative kinetics of Ca-47, Sr-85 and Ra-226 in the fresh-water turtle, *Trachemys Scripta*. *Journal of Environmental Radioactivity* 16:25-47.	275	Radionuclide study, not relevant to current review.

Reference	Ref ID	Comments
Hirth HF. 1987. Pollution on the Marine Turtle Nesting-Beach in Tortuguero-National-Park, Costa-Rica. *Environmental Conservation* 14:74-75.	276	Pollution study, not relevant to current review.
Hoare JM, Hare KM. 2006. The impact of brodifacoum on non-target wildlife: gaps in knowledge. *New Zealand Journal of Ecology* 30:157-167.	23	Field study with some evidence of exposure of geckos, no other data.
Holcomb CM, Parker WS. 1979. Mirex residues in eggs and livers of 2 long-lived reptiles *Chrysemys scripta* and *Terrapene carolina* in Mississippi USA 1970-1977. *Bulletin of Environmental Contamination and Toxicology* 23:369-371.	91	Residue study, not relevant to current review.
Holem RR, Hopkins WA, Talent LG. 2006. Effect of acute exposure to malathion and lead on sprint performance of the western fence lizard (*Sceloporus occidentalis*). *Archives of Environmental Contamination and Toxicology* 51:111-116.	26	Toxicity study, not relevant to current review.
Holem RR, Hopkins WA, Talent LG. 2008. Effects of repeated exposure to malathion on growth, food consumption, and locomotor performance of the western fence lizard (*Sceloporus occidentalis*). *Environmental Pollution* 152:92-98.	40	Toxicity study, not relevant to current review.
Holladay SD, Wolf JC, Smith SA, Jones DE, Robertson JL. 2001. Aural abscesses in wild-caught box turtles (*Terapene carolina*): possible role of organochlorine-induced hypovitaminosis A. *Ecotoxicology and Environmental Safety, Environmental Research, Section B* 48:99-106.	**385**	Contaminant effects, not relevant to current review.
Hopkins WA, Roe JH, Snodgrass JW, Staub BP, Jackson BP, Congdon JD. 2002. Effects of chronic dietary exposure to trace elements on banded water snakes (*Nerodia fasciata*). *Environmental Toxicology and Chemistry* 21:906-913.	21	Trace elements, not relevant to current review.
Hopkins WA, Snodgrass JW, Baionno JA, Roe JH, Staub BP, Jackson BP. 2005. Functional relationships among selenium concentrations in the diet, target tissues, and nondestructive tissue samples of two species of snakes. *Environmental Toxicology and Chemistry* 24:344-351.	72	Selenium, not relevant to current review.

Reference	Ref ID	Comments
Hopkins WA, Staub BP, Baionno JA, Jackson BP, Roe JH, Ford NB. 2004. Trophic and maternal transfer of selenium in brown house snakes (*Lamprophis fuliginosus*). *Ecotoxicology and Environmental Safety* 58:285-293.	77	Selenium, not relevant to current review.
Hopkins WA, Staub BP, Baionno JA, Jackson BP, Talent LG. 2005. Transfer of selenium from prey to predators in a simulated terrestrial food chain. *Environmental Pollution* 134:447-456.	73	Selenium, not relevant to current review.
Hopkins WA, Winne CT, Durant SE. 2005. Differential swimming performance of two natricine snakes exposed to a cholinesterase-inhibiting pesticide. *Environmental Pollution* 133:531-540.	**50**	Information relevant to dermal exposure entered
Hopkins WA, Winne CT. 2003. Swimming performance of neonate black swamp snakes (*Seminatrix pygaea*) exposed to an acetyl-cholinesterase-inhibiting pesticide. *Integrative and Comparative Biology* 43:1009.	**389**	Abstract, data in Hopkins and Winne (2006)
Hopkins WA, Winne CT. 2006. Influence of body size on swimming performance of four species of neonatal natricine snakes acutely exposed to a cholinesterase-inhibiting pesticide. *Environmental Toxicology and Chemistry* 25:1208-1213.	**48**	Toxicity study, not relevant to current review.
Hopkins WA. 2000. Reptile toxicology: Challenges and opportunities on the last frontier in vertebrate ecotoxicology. *Environmental Toxicology and Chemistry* 19:2391-2393.	37	Overview, checked for references.
Hopkins WA. 2006. Use of tissue residues in reptile ecotoxicology: A call for integration and experimentalism. pp. 35-62. In: Toxicology of reptiles (Gardner SC, Oberdorster E, eds), CRC Press LLC	**24**	Checked for data and references.
Hose JE, Guillette LJ. 1995. Defining the role of pollutants in the disruption of reproduction in wildlife. *Environmental Health Perspectives* 103(S4):87-91.	87	Not relevant to current review.
Hosea RC, Bjurstrom KZ, Littrell EE. 2004. Acute oral and dermal toxicity of aquatic herbicides and a surfactant to garter snakes. *California Fish and Game* 91:119-127.	**297**	Toxicity study, not relevant to current review.

Reference	Ref ID	Comments
Iguchi T, Watanabe H, Katsu Y. 2006. Application of ecotoxicogenomics for studying endocrine disruption in vertebrates and invertebrates. *Environmental Health Perspectives* 114:101-105 (Supp. 1).	68	Methodology, not relevant to current review.
Innis C, Tlusty M, Perkins C, Holladay S, Merigo C, Weber ES. 2008. Trace metal and organochlorine pesticide concentrations in cold-stunned juvenile Kemp's Ridley turtles (*Lepidochelys kempii*) from Cape Cod, Massachusetts. *Chelonian Conservation and Biology* 7:230-239.	**41**	Residue study, not relevant to current review.
Jacobson ER. 1994. Causes of mortality and diseases in tortoises - a review. *Journal of Zoo and Wildlife Medicine* 25:2-17.	277	Not relevant to current review.
Janes DE, Bermudez D, Guillette LJ, Wayne ML. 2007. Estrogens induced male production at a female-producing temperature in a reptile (Leopard Gecko, *Eublepharis macularius*) with temperature-dependent sex determination. *Journal of Herpetology* 41:9-15.	218	Egg exposure, not relevant to current review.
Javaid MY, Jalil R. 1974. Effect of sublethal doses of chlorinated hydrocarbon insecticides on the heart of the tortoise, Lissemys punctata. *Pak J Sci Res* 24:148-154.	**415**	Not relevant to current review.
Jayathangaraj MG, John MC, Gopalakrishnan AV. 1998. Acaricidal trial on rat snakes. *Cheiron* 27:74.	**59**	Abstract, not relevant to current review.
Jenssen TA, Congdon JD, Fischer RU, Estes R, Kling D, Edmands S, Berna H. 1996. Behavioural, thermal, and metabolic characteristics of a wintering lizard (Anolis carolinensis) from South Carolina. *Functional Ecology* 10:201-209.	550	Not isotope study, no suitable data for allometric equations
Jewell CSE, Cummings LE, Ronis MJJ, Winston GW. 1989. Induction of the Hepatic Microsomal Mixed-Function Oxygenase (MFO) System of *Alligator mississippiensis* by 3-Methylcholanthrene (3-MC). Mar.Environ.Res. 28(1/4):73-79	**438**	Not relevant to current review..
Jodice PGR, Epperson DM, Visser GH. 2006. Daily energy expenditure in free-ranging Gopher Tortoises (*Gopherus polyphemus*). *Copeia* 129-136	551	Energy expenditure data entered. Water flux data entered.

Reference	Ref ID	Comments
Johnson MS, Michie MW, Bazar MA, Salice CJ and Gogal RM. 2005. Responses of oral 2,4,6-trinitrotoluene (TNT) exposure to the common pigeon (*Columba livia*) : A phylogenic and methodological comparison. *International Journal of Toxicology*. 24(4):221-229	439	Avian toxicity study, not relevant to current review.
Johnston JJ, Savarie PJ, Primus TM, Eisemann JD, Hurley JC, Kohler DJ. 2002. Risk assessment of an acetaminophen baiting program for chemical control of brown tree snakes on Guam: Evaluation of baits, snake residues, and potential primary and secondary hazards. *Environmental Science and Technology* 36:3827-3833.	**76**	Not relevant to current review.
Johnston JJ, Savarie PJ, Primus TM, Eisemann JD. 2001. Quantification of acetaminophen residues in brown tree snakes for the determination of non-target hazards. *Abstracts of Papers American Chemical Society* 222:33.	**392**	Abstract, not relevant to current review.
Jones DE, Gogal RM, Nader PB, Holladay SD. 2005. Organochlorine detection in the shed skins of snakes. *Ecotoxicology and Environmental Safety* 60:282-287.	**92**	Not relevant to current review.
Kannan K, Ueda M, Shelby JA, Mendonca MT, Kawano M, Matsuda M, Wakimoto T, Giesy JP. 2000. Polychlorinated dibenzo- p -dioxins (PCDDs), dibenzofurans (PCDFs), biphenyls (PCBs), and organochlorine pesticides in yellow-blotched map turtle from the Pascagoula river basin, Mississippi, USA. *Archives of Environmental Contamination and Toxicology* 38:362-370.	**372**	Residue study, not relevant to current review.
Karasov WH, Anderson RA. 1984. Interhabitat differences in energy acquisition and expenditure in a lizard. *Ecology* 65:235-247	552	Energy expenditure data entered. Water flux data entered.
Karasov WH, Anderson RA. 1998. Correlates of average daily metabolism of field-active zebra-tailed lizards (*Callisaurus draconoides*). *Physiological Zoology* 71:93-105	553	Energy expenditure data entered. Water flux data entered.
Karasov WH, Brittingham MC, Temple SA. 1992. Daily energy expenditure by Black-capped chickadees (*Parus atricapillus*) in winter. *Auk*. 109(2):393-395	661	**Avian isotope study example.**

Reference	Ref ID	Comments
Karasov WH, Petrossian E, Rosenberg L, Diamond JM. 1986. How do food passage rate and assimilation differ between herbivorous lizards and nonruminant mammals. *Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology* 156:599-609.	554	**No suitable data for allometric equations**
Karasov WH. 1986. Energetics, physiology and vertebrate ecology. *Trends in Ecology & Evolution* 1:101-104.	555	Not isotope study, no suitable data for allometric equations – Review.
Kaur S. 1988. Lead in the scales of cobras and wall lizards from rural and urban areas of Punjab, India. *Science of the Total Environment* 77:289-290.	280	Residue study, not relevant to current review.
Keller JM, Clellan-Green P, James MO. 2004. Effects of organochlorine compounds on cytochrome P450 aromatase activity in an immortal sea turtle cell line. *Marine Environmental Research* 58:347-351.	**358**	In vitro, not relevant to current review.
Keller JM, Clellan-Green PD, Kucklick JR, Keil DE, Peden-Adams MM. 2006. Effects of organochlorine contaminants on loggerhead sea turtle immunity: comparison of a correlative field study and in vitro exposure experiments. *Environmental Health Perspectives* 114:70-76.	**352**	In vitro, not relevant to current review.
Keller JM, Kucklick JR, Clellan-Green PD. 2004. Organochlorine contaminants in loggerhead sea turtle blood: extraction techniques and distribution among plasma and red blood cells. *Archives of Environmental Contamination and Toxicology* 46:254-264.	**361**	Residue study, not relevant to current review.
Keller JM, Kucklick JR, Harms CA, Clellan-Green PD. 2004. Organochlorine contaminants in sea turtles: correlations between whole blood and fat. *Environmental Toxicology and Chemistry* 23:726-738.	**32**	Residue study, not relevant to current review.
Keller JM, Kucklick JR, Stamper MA, Harms CA, Clellan-Green PD. 2004. Associations between organochlorine contaminant concentrations and clinical health parameters in loggerhead sea turtles from North Carolina, USA. *Environmental Health Perspectives* 112:1074-1079.	**357**	Contaminant effects, not relevant to current review.
Kennett R, Christian K. 1994. Metabolic depression in estivating long-neck turtles (*Chelodina rugosa*). *Physiological Zoology* 67:1087-1102.	650	Not isotope study, no suitable data for allometric equations - captive

Reference	Ref ID	Comments
Khan MZ, Farina F, Naqvi SNH, Imtiaz A. 2003a. Comparison of induced effect of peremethrin with malathion on GOT and GPT in kidney and liver of *Calotes versicolor*. *Journal of Experimental Zoology, India* 6:293-297.	**364**	Toxicity study, not relevant to current review.
Khan MZ, Naqvi SNH, Khan MF, Rahila T, Ahmad I, Farina F, Tariq RM. 2003b. Determination of induced effect of Biosal (neem based formulation) on cholinesterase and protein in kidney and liver of *Calotes versicolor* Daudin. *Journal of Experimental Zoology, India* 6:175-179.	**367**	Not relevant to current review.
Khan MZ. 2003. Effect of agricultural chemicals on reptiles: comparison of pyrethroid and organophosphate with phytopesticide on cholinesterase activity. *Pakistan Journal of Biological Sciences* 6:821-825.	**360**	Toxicity study, not relevant to current review.
Khan MZ. 2004. Effect of pesticides on amphibians and reptiles. *Journal of Experimental Zoology, India* 7:39-47.	**362**	Not relevant to current review.
Khan MZ. 2005. Effects of agro pesticides cypermethrin and malathion on cholinesterase activity in liver and kidney of *Calotes versicolor* Daudin (Agamidae: Reptilia). *Turkish Journal of Zoology* 29:77-81.	**354**	Toxicity study, not relevant to current review.
Kihara H, Yamashita H. 1978. The lethal effects of pesticides on reptiles. *Snake* 10:10-94.	**94**	Toxicity study, not relevant to current review.
Kingsbury BA. 1995. Field metabolic rates of a eurythermic lizard. *Herpetologica* 51:155-159.	557	Energy expenditure data entered. Water flux data entered.
Klemens JA, Wieland ML, Flanagin VJ, Frick JA, Harper RG. 2003. A cross-taxa survey of organochlorine pesticide contamination in a Costa Rican wildland. *Environmental Pollution* 122:245-251.	**366**	Residue study, no relevant data
Kobal S, Cestnik V, Pogacnik A. 1997. Mechanism of action of organophosphorus insecticides and diagnosis of poisoning with organophosphates in reptiles. (Delovanje organofosfornih insekticidov in diagnoza zastrupitve pri plazilcih). *Proceedings. 2nd Slovenian Veterinary Congress, Rogaska Slatina, Slovenia, 14-16 November 1997*, Slovenska Veterinarska Zveza (Slovenian Veterinary Association), pp 125-128.	**379**	Cannot obtain, unlikely to contain relevant data.

Reference	Ref ID	Comments
Kobayashi D, Mautz WJ, Nagy KA. 1983. Evaporative water-loss - humidity acclimation in *Anolis carolinensis* lizards. *Copeia* 1983(3):701-704.	556	Not isotope study, no suitable data for allometric equations
Kohno S, Bermudez DS, Katsu Y, Iguchi T, Guillette LJ. 2008. Gene expression patterns in juvenile American alligators (*Alligator mississippiensis*) exposed to environmental contaminants. *Aquatic Toxicology* 88:95-101.	216	Contaminant effects, no relevant data.
Kushlan JA, Mazzotti FJ. 1984. Environmental-effects on a coastal population of gopher tortoises. *Journal of Herpetology* 18:231-239.	282	Species account, not relevant to current review.
Kushlan JA. 1988. Conservation and Management of the American Crocodile. *Environmental Management* 12:777-790.	284	Species account, not relevant to current review.
Labra MA, Rosenmann M. 1994. Energy-metabolism and evaporative water-loss of Pristidactylus lizards. *Comparative Biochemistry and Physiology A-Physiology* 109:369-376.	558	Not isotope study, no suitable data for allometric equations - captive
Ladyman M, Bonnet X, Lourdais O, Bradshaw D, Naulleau G. 2003. Gestation, thermoregulation, and metabolism in a viviparous snake, I: evidence for fecundity-independent costs. *Physiological and Biochemical Zoology* 76:497-510.	559	Not isotope study, no suitable data for allometric equations
Lake JL, Haebler R, Mckinney R, Lake CA, Sadove SS. 1994. PCBs and other chlorinated organic contaminants in tissues of juvenile Kemps Ridley turtles (*Lepidochelys kempi*). *Marine Environmental Research* 38:313-327.	**285**	Residue study, not relevant to current review.
Lamb T, Bickham JW, Lyne TB, Gibbons JW. 1995. The slider turtle as an environmental sentinel - multiple tissue-assays using flow cytometric analysis. *Ecotoxicology* 4:5-13.	286	Not relevant to current review.
Lambert MRK. 1993. Effects of DDT ground-spraying against tsetse-flies on lizards in NW Zimbabwe. *Environmental Pollution* 82:231-237.	**290**	Field effects, populations, residues, not relevant to current review.
Lambert MRK. 1994. Ground-spray treatment with deltamethrin against tsetse-flies in NW Zimbabwe has little short-term effect on lizards. *Bulletin of Environmental Contamination and Toxicology* 53:555-561.	**289**	Field effects, populations, not relevant to current review.

Reference	Ref ID	Comments
Lambert MRK. 1997a. Effects of pesticides on amphibians and reptiles in sub-Saharan Africa. *Reviews of Environmental Contamination and Toxicology* 150:31-73.	**55**	Field effects, mortalities, residues, not relevant to current review.
Lambert MRK. 1997b. Environmental effects of heavy spillage from a destroyed pesticide store near Hargeisa (Somaliland) assessed during the dry season, using reptiles and amphibians as bioindicators. *Archives of Environmental Contamination and Toxicology* 32:80-93.	**12**	Reports mortality following experimental exposure to contaminated soil but mixture of pesticides, not relevant to current review.
Lambert MRK. 2005. Lizards used as bioindicators to monitor pesticide contamination in sub-Saharan Africa: a review. *Applied Herpetology* 2:99-107.	**333**	Not relevant to current review.
Lambert MRKU. 1999. Lizards as Bioindicators. *Biologist* 46:12-16.	**420**	Not relevant to current review.
Lance VA, Bogart MH. 1990. Tamoxifen sex reverses male alligator embryos, but is an antiestrogen in female hatchlings. *American Zoologist* 30:A41.	295	Embryo exposure, not relevant to current review.
Lance VA, Bogart MH. 1991. Tamoxifen sex reverses alligator embryos at male producing temperature, but is an antiestrogen in female hatchlings. *Experientia* 47:263-266.	294	Embryo exposure, not relevant to current review.
Lance VA, Cort T, Masuoka J, Lawson R, Saltman P. 1995. Unusually high zinc concentrations in snake plasma, with observations on plasma zinc concentrations in lizards, turtles and alligators. *Journal of Zoology* 235:577-585.	293	Residue study, not relevant to current review.
Lance VA, Horn TR, Elsey RM, de Peyster A. 2006. Chronic incidental lead ingestion in a group of captive-reared alligators (*Alligator mississippiensis*): Possible contribution to reproductive failure. *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology* 142:30-35.	201	Metals, not relevant to current review.
Leatherland JF. 2000. Contaminant-altered thyroid function in wildlife. pp. 155-181. In: *Environmental Endocrine Disrupters: An Evolutionary Perspective.* (Guillette LJ and Crain DA eds.) Taylor and Francis, London.	244	Not relevant to current review.

Reference	Ref ID	Comments
Lebboroni M and Chelazzi G. 2000. Waterward orientation and homing after experimental displacement in the European pond turtle, *Emys Orbicularis*. *Ethology, Ecology and Evolution* 12:83-88.	560	Species information entered
Lehrer PH, Karasov WH. 1981. Energetic efficiency of foraging on varying resources in whiptail lizards (*Cnemidophorus tigris*). *American Zoologist* 21:924.	561	Isotope study but no suitable data
Lemire M, Grenot C, Vernet R. 1982. Water and electrolyte balance of free-living saharan lizards, *Uromastix acanthinurus* (Agamidae). *Journal of Comparative Physiology* 146:81-93.	562	Tritiated water study but no suitable water flux data
Letnic MI, Fox BJ. 1997. The impact of industrial fluoride fallout on faunal succession following sand mining of dry sclerophyll forest at Tomago, NSW .1. Lizard recolonisation. *Biological Conservation* 80:63-81.	296	Not relevant to current review.
Lichtenbelt WDV, Wesselingh RA, Vogel JT, Albers KBM. 1993. Energy budgets in free-living green iguanas in a seasonal environment. *Ecology* 74:1157-1172	563	Energy expenditure data entered.
Lichtenbelt WDV. 1993. Optimal foraging of a herbivorous lizard, the green iguana in a seasonal environment. *Oecologia* 95:246-256.	564	Not isotope study, no suitable data for allometric equations
Lichtenbelt WDVM, Vogel JT, Wesselingh RA. 1997. Energetic consequences of field body temperatures in the green iguana. *Ecology* 78:297-307.	565	Not isotope study, no suitable data for allometric equations
Lillywhite HB, Sanmartino V. 1993. Permeability and water relations of hygroscopic skin of the file snake, *Acrochordus granulatus*. *Copeia* 99-103.	566	Not isotope study, no suitable data for allometric equations
Lind PM, Milnes MR, Lundberg R, Bermudez D, Orberg J, Guillette LJ. 2004. Abnormal bone composition in female juvenile American alligators from a pesticide-polluted lake (Lake Apopka, Florida). *Environmental Health Perspectives* 112:359-362.	**228**	Contaminant effects, not relevant to current review.
Litt, AR, Provencher L, Tanner GW, Franz R. 2001. Herpetofaunal responses to restoration treatments of longleaf pine sandhills in Florida. *Restor.Ecol*. 9(4):462-474	**440**	Field study, not relevant to current review.

Reference	Ref ID	Comments
Littrell EE. 1983. A study of the effects of Bolero 10G on the mountain garter snake *Thamnophis elegans elegans*. *California Fish and Game* 69:186-187.	**401**	Toxicity study, not relevant to current review.
Litzgus JD, Hopkins WA. 2003. Effect of temperature on metabolic rate of the mud turtle (*Kinosternon subrubrum*). *Journal of Thermal Biology* 28:595-600.	567	Not isotope study, no suitable data for allometric equations
Longepierre S, Hailey A and Grenot C. 2001. Home range area in the tortoise *Testudo hermanni* in relation to habitat complexity: implications for conservation of biodiversity. *Biodiversity and Conservation* 10:1131-1140.	568	Species information entered
Loumbourdis NS. 1997. Heavy metal contamination in a lizard, *Agama stellio stellio*, compared in urban, high altitude and agricultural, low altitude areas of north Greece. *Bulletin of Environmental Contamination and Toxicology* 58:945-952.	299	Residue study, not relevant to current review.
Lower WR, Thomas MW, Puri RK, Judy BM, Zacher JA, Orazio CE, Kapila S, Yanders AF. 1990. Movement and fate of 2,3,7,8-tetrachlorodibenzo-para-dioxin in fauna at Times Beach, Missouri. *Chemosphere* 20:1021-1025.	300	Residue study, not relevant to current review.
Luiselli L. 1992. The diet of the slow worm *Anguis f. fragilis* Linnaeus, 1758, in the Tarvisio Forest (Carnic Alps, NE Italy). *Herpetozoa* 5(3/4):91-94.	571	Species information entered
Luiselli L and Rugiero L. 1993. Food habits of the aesculapian snake, *Elaphe longissima*, in central Italy: do arboreal snakes eat more birds than terrestrial ones?*Journal of Herpetology*, 27(1):116-117.	570	Species information entered
Luiselli L, Capula M and Shine R. 1996. Reproductive output, costs of reproduction, and ecology of the smooth snake, *Coronella austriaca*, in the Eastern Italian Alps. *Oecologia*, 106(1):100-110	573	Species information entered
Luiselli L, Capula M and Shine R. 1997. Food habits, growth rates, and reproductive biology of grass snakes, *Natri natrix* (Colubridae) in the Italian Alps. *J. Zool. Lond*. 241:371-380	569	Species information entered
Luke C, Sterner D. 2000. Possible impacts of the Cantara spill on reptile populations along the upper Sacramento River. *California Fish and Game* 86:61-71.	**35**	Contaminant effects on population, not relevant to current review.

Reference	Ref ID	Comments
Lutcavage ME, Lutz PL, Bossart GD, Hudson DM. 1995. Physiological and clinicopathological effects of crude-oil on loggerhead sea-turtles. *Archives of Environmental Contamination and Toxicology* 28:417-422.	301	Crude oil, not relevant to current review.
Macartney JM, Gregory PT. 1981. Differential susceptibility of sympatric garter snake species to amphibian skin secretions. *American Midland Naturalist* 106:271-281.	302	Amphibian skin secretions, not relevant.
Madsen T, Shine R, Loman J and Hakansson T. 1993. Determinants of mating success in male adders, *Vipera berus*. Anim. Behav. 45:491-499.	645	Species information entered
Madsen T. 1984. Movements, home range size and habitat use of radio-tracked grass snakes (*Natrix natrix*) in Southern Sweden. *Copeia* 1984(3):707-713	572	Species information entered
Maduagwu EN, Anosa VO. 1981. Hepatotoxicity of dimethylnitrosamine in cats and lizards. *Toxicology Letters* 9:41-44.	303	Not relevant to current review.
Mann RM, Sanchez-Hernandez JC, Serra EA, Soares AMVM. 2007. Bioaccumulation of Cd by a European lacertid lizard after chronic exposure to Cd-contaminated food. *Chemosphere* 68:1525-1534.	67	Bioaccumulation of cadmium, not relevant to current review.
Manning Therese R. 2005. Endocrine-disrupting chemicals: A review of the state of the science. *Australasian Journal of Ecotoxicology* 11:1-52.	**408**	Not relevant to current review.
Marco A, Lopez-Vicente M, Perez-Mellado V. 2004. Arsenic uptake by reptile flexible-shelled eggs from contaminated nest substrates and toxic effect on embryos. *Bulletin of Environmental Contamination and Toxicology* 72:983-990.	28	Egg exposure, not relevant to current review.
Marler CA, Walsberg G, White ML, Moore M. 1995. Increased energy-expenditure due to increased territorial defense in male lizards after phenotypic manipulation. *Behavioral Ecology and Sociobiology* 37:225-231.	574	Energy expenditure data entered. Water flux data entered.

Reference	Ref ID	Comments
Martin A. 1981. Disturbances in the reproductive systems of reptiles and amphibians [pollution, toxicity tests, choice of methods, choice of species, alligators, toads, snakes, turtles, herbicides, insecticides, frogs, defoliants, metal mutagenic effects, laboratory trials]. *Disturbances in the reproductive systems of reptiles and amphibians*, Aneboda (Sweden).	**412**	Not found, unlikely to contain relevant data for review.
Matter JM, Crain DA, Sills-McMurry C, Pickford DB, Rainwater TR, Reynolds KD, Rooney AA, Dickerson RL, Guillette LJ. 1998. Effects of endocrine-disrupting contaminants in reptiles: alligators. In: *Principles and Processes for Evaluating Endocrine Disruption in Wildlife* (R Kendall, R Dickerson, J Giesy, W Suk eds.)pp. 267-289. SETAC, Pensacola.	97	Not relevant to current review.
Matter JM, McMurry CS, Anthony AB, Dickerson RL, Clement RE, Fiedler H, Fuerst P, Hutzinger O, Needham LL, Oehme M, Olie K, Rappe C, Safe SH, Van den Berg M. 1998. Development and implementation of endocrine biomarkers of exposure and effects in American alligators (Alligator mississippiensis). *Chemosphere* 37:1905-1914.	**378**	Biomarkers, not relevant to current review.
Matthiessen P, Fox PJ, Douthwaite RJ, Wood AB. 1982. Accumulation of endosulfan residues in fish and their predators after aerial spraying for the control of tsetse-fly in Botswana. *Pesticide Science* 13:39-48.	**305**	Residue study, not relevant to current review.
Matthiessen P. 1985. Contamination of wildlife with DDT insecticide residues in relation to tsetse-fly control operations in Zimbabwe. *Environmental Pollution Series B-Chemical and Physical* 10:189-211.	304	Residue study, not relevant to current review.
Mauldin RE, Johnston JJ, Primus TM, Savarie PJ, Brooks JE. 1999. Evaluation of potential toxicants for brown tree snake control on Guam. *Abstracts of Papers American Chemical Society* 218:78.	**82**	Abstract, not relevant to current review.
Mautz WJ, Dohm MR. 2004. Respiratory and behavioral effects of ozone on a lizard and a frog. *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology* 139:371-377.	306	Ozone, not relevant to current review.

Reference	Ref ID	Comments
Mautz WJ, Nagy KA. 1986. Energetics of hibernation in the lizard *Dipsosaurus dorsalis*. *American Zoologist* 26:A112.	311	Energy expenditure data entered.
Mautz WJ, Nagy KA. 1987. Ontogenetic changes in diet, field metabolic-rate, and water flux in the herbivorous lizard *Dipsosaurus dorsalis*. *Physiological Zoology* 60:640-657.	309	Energy expenditure data entered. Water flux data entered.
Mautz WJ, Nagy KA. 1988. Xantusiid lizards have low field metabolic rates. *American Zoologist* 28:A103.	308	Isotope syudy but no data - abstract
Mautz WJ, Nagy KA. 2000. Xantusiid lizards have low energy, water, and food requirements. *Physiological and Biochemical Zoology* 73:480-487.	307	Energy expenditure data entered. Water flux data entered.
Mautz WJ. 1987. Ecology and energetics of the island night lizard, *Xantusia riversiana*, on San Clemente Island. *American Zoologist* 27:A147.	310	Indicates that energy expenditure was measured but no suitable data.
Maxwell LK, Jacobson ER, Mcnab BK. 2003. Intraspecific allometry of standard metabolic rate in green iguanas, *Iguana iguana*. *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology* 136:301-310.	575	Not isotope study, no suitable data for allometric equations
Mayeaux MH, Winston GW. 1998. Antibiotic effects on cytochromes P450 content and Mixed-Function Oxygenase (MFO) Activities in the American Alligator, *Alligator mississippiensis*. *J.Vet.Pharmacol.Ther.* 21(4):274-281	**441**	Antibiotic effects, not relevant to current review.
McConnachie S, Alexander GJ. 2004. The effect of temperature on digestive and assimilation efficiency, gut passage time and appetite in an ambush foraging lizard, *Cordylus melanotus melanotus*. *Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology* 174:99-105.	576	**No suitable data for allometric equations**
Mcfarland CA, Quinn MJ, Bazar MA, Remick AK, Talent LG, Johnson MS. 2008. Toxicity of oral exposure to 2,4,6-trinitrotoluene in the western fence lizard (*Sceloporus occidentalis*). *Environmental Toxicology and Chemistry* 27:1102-1111.	63	Toxicity study, not relevant to current review.

Reference	Ref ID	Comments
McIlroy JC and Gifford EJ. 1992. Secondary poisoning hazards associated with 1080-treated carrot-baiting campaigns against rabbits, Oryctolagus cuniculus. *Australian Wildlife Research* 19:629-641.	**442**	Secondary poisoning, not relevant to current review.
McIlroy JC, King DR and Oliver AJ. 1985. The sensitivity of Australian animals to 1080 poison. VIII. Amphibians and reptiles. *Australian wildlife Research* 12:113-118.	**443**	Toxicity study, not relevant to current review.
Mckim JM, Johnson KL. 1983. Polychlorinated-biphenyls and para,para-'-DDE in loggerhead and green postyearling Atlantic sea turtles. *Bulletin of Environmental Contamination and Toxicology* 31:53-60.	312	Residue study, not relevant to current review.
McLachlan JA, Arnold SF, Klotz DM, Collins BM, Vonier PM, Guillette LJ. 1997. Potency of combined estrogenic pesticides - Response. *Science* 275:405-406.	258	Not relevant to current review.
McLean RG, Spillane JT, Miles JW. 1975. A prospective study of the effects of ultralow volume (ulv) aerial application of malathion on epidemic *Plasmodium falciparum* malaria III. Ecologic Aspects. *Am.J.Trop.Med.Hyg.* 24(2):193-198	**444**	Field study, not relevant to current review.
Meenakshi M, Karpagaganapathi PR. 1996. Toxicity and behavioural responses of *Calotes versicolor* (Daud) administered with phosphamidon. *Indian Journal of Environment and Toxicology* 6:50.	**383**	Not found, relevant data obtained from abstract.
Meenakshi V, Karpagaganapathi PR, Indira N, Vijayalakhsmi S. 1997. Changes in the brain acetylcholinesterase activity in phosphamidon (Dimecron) intoxicated garden lizard. *Journal of Ecotoxicology & Environmental Monitoring* 7:221-224.	**380**	Toxicity study, not relevant to current review.
Meenakshi V, Karpagaganapathi PR. 1996. Effect of sub-lethal concentration of phosphamidon on certain haematological parameters of the male garden lizard *Calotes versicolor* (Daud). *Indian Journal of Environment and Toxicology* 6:103-104.	**331**	Not found
Meenakshi V, Karpagaganapathy PR, Indira N. 1999. Protein metabolism during phosphamidon intoxication in *Calotes versicolor* (Daud.). *Environment and Ecology* 17:891-894.	**374**	Toxicity study, not relevant to current review.

Reference	Ref ID	Comments
Meienberger C, Wallis IR, Nagy KA. 1993. Food-intake rate and body-mass influence transit-time and digestibility in the desert tortoise (*Xerobates agassizii*). *Physiological Zoology* 66:847-862.	577	**No suitable data for allometric equations**
Merker GP, Nagy KA. 1984. Energy-utilization by free-ranging *Sceloporus virgatus* Lizards. *Ecology* 65:575-581	578	Energy expenditure data entered. Water flux data entered.
Meyersschone L, Shugart LR, Beauchamp JJ, Walton BT. 1993. Comparison of 2 fresh-water turtle species as monitors of radionuclide and chemical contamination - DNA-damage and residue analysis. *Environmental Toxicology and Chemistry* 12:1487-1496.	315	Contaminant effects, not relevant to current review.
Meyersschone L, Walton BT. 1994. Turtles as monitors of chemical contaminants in the environment. *Reviews of Environmental Contamination and Toxicology, Vol 135* 135:93-153.	**314**	Contaminant effects, not relevant to current review.
Meyers-Schone L. 2000. Ecological risk assessment of reptiles. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 793-810.	124	Checked for data and references.
Milnes MR, Allen D, Bryan TA, Sedacca CD, Guillette LJ. 2004. Developmental effects of embryonic exposure to toxaphene in the American alligator (*Alligator mississippiensis*). *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology* 138:81-87.	**53**	Embryonic exposure, not relevant to current review.
Milnes MR, Bermudez DS, Bryan TA, Edwards TM, Gunderson MP, Larkin ILV, Moore BC, Guillette LJ. 2006. Contaminant-induced feminization and demasculinization of nonmammalian vertebrate males in aquatic environments. *Environmental Research* 100:3-17.	222	Not relevant to current review.
Milnes MR, Bermudez DS, Bryan TA, Gunderson MP, Guillette LJ. 2005. Altered neonatal development and endocrine function in *Alligator mississippiensis* associated with a contaminated environment. *Biology of Reproduction* 73:1004-1010.	225	Contaminant effects on development, not relevant to current review.

Reference	Ref ID	Comments
Milnes MR, Bryan TA, Katsu Y, Kohno S, Moore BC, Iguchi T, Guillette LJ. 2008. Increased posthatching mortality and loss of sexually dimorphic gene expression in alligators (*Alligator mississippiensis*) from a contaminated environment. *Biology of Reproduction* 78:932-938.	215	Contaminant effects on eggs, not relevant to current review.
Milnes MR, Bryan TA, Medina JG, Gunderson MP, Guillette LJ. 2005. Developmental alterations as a result of in ovo exposure to the pesticide metabolite p,p '-DDE in *Alligator mississippiensis*. *General and Comparative Endocrinology* 144:257-263.	**223**	Contaminant effects on eggs, not relevant to current review.
Milnes MR, Guillette LJ. 2008. Alligator Tales: New lessons about environmental contaminants from a sentinel species. *Bioscience* 58:1027-1036.	**217**	Not relevant to current review.
Milnes MR, Woodward AR, Guillette LJ. 2001. Morphological variation in hatchling American alligators (*Alligator mississippiensis*) from three Florida lakes. *Journal of Herpetology* 35:264-271.	240	Contaminant effects on eggs, not relevant to current review.
Mineau P. 2002. Estimating the probability of bird mortality from pesticide sprays on the basis of the field study record. *Environmental Toxicology and Chemistry*. 21(7):1497-1506.	657	Background information on the potential impact of dermal exposure.
Minnich JE and ShoemakerVH. 1970. Diet, behaviour, and water turnover in the desert iguana, *Dipsosaurus dorsalis*. *American Midland Naturalist* 84:496-509	579	Water flux data entered.
Minnich JE and ShoemakerVH. 1972. Water and energy turnover in a field population of the lizard, *Uma scoparia*. *Copeia* 1972:650-659	580	Water flux data entered.
Minnich JE and ZieglerMR. 1977. Water turnover of free-living gopher tortoises, *Gopherus polyphemus*, in central Florida, pp. 130-151 in Proceedings of the Desert Tortoise Council Symposium.	582	Used data from Minnich 1976
Minnich JE. 1976. Water procurement and conservation by desert reptiles in their natural environment. *Israel Journal of Medical Sciences* 12:740-758.	581	**Water flux data entered.**

Reference	Ref ID	Comments
Minnich JE. 1977. Adaptive responses in the water and electrolyte budgets of native and captive desert tortoises, *Gopherus agassizii*, to chronic drought, pp. 102-129 in Proceedings of the Desert Tortoise Council Symposium.	583	Used data from Minnich 1976
Minucci S, Fasano S, Marmorino C, Chieffi P, Pierantoni R. 1995. Ethane 1,2-dimethane sulfonate effects on the testis of the lizard, *Podarcis s. sicula* Raf - Morphological and Hormonal Changes. *General and Comparative Endocrinology* 97:273-282.	316	Not relevant to current review.
Minucci S, Vitiello II, Marmorino C, Dimatteo L, Baccari GG. 1995. Mast cell-Leydig cell relationships in the testis of the lizard *Podarcis s. sicula* Raf - thermal manipulation, ethane 1,2-dimethane sulfonate (EDS) and sex-hormone treatment. *Zygote* 3:259-264.	317	Not relevant to current review.
Mitchell GS, Gleeson TT. 1985. Acid-base balance during lactic acid infusion in the lizard *Varanus salvator*. *Respir.Physiol*. 60(2):253-266	**445**	Not relevant to current review.
Monagas P, Oros J, Arana J, Gonzalez-Diaz OM. 2008. Organochlorine pesticide levels in loggerhead turtles (*Caretta caretta*) stranded in the Canary Islands, Spain. *Marine Pollution Bulletin* 56:1949-1952.	**337**	Residue study, not relevant to current review.
Monck EK, Wiebe JJ, Buckland JS, Rauschenberger RH, Sepulveda MS, Gross TS. 2004. Characterization of vitellogenin (VTG) and vitellins in American alligators (*Alligator mississippiensis*) from organochlorine pesticide (OCP) contaminated lakes in Florida. *Marine Environmental Research* 58:458-459.	**390**	Contaminant effects, not relevant to current review.
Moreno J. 1989. Variation in daily energy expenditure in nesting northern wheatears *Oenanthe oenanthe*. *Auk* 106:18-25	660	Avian isotope study example.
Muller JK, Gross TS, Borgert CJ. 2007. Topical dose delivery in the reptilian egg treatment model. *Environmental Toxicology and Chemistry* 26:914-919.	**17**	Methodology, not relevant to current review.
Muller JK, Scarborough JE, Sepulveda MS, Casella G, Gross TS, Borgert CJ. 2007. Dose verification after topical treatment of alligator (*Alligator mississippiensis*) eggs. *Environmental Toxicology and Chemistry* 26:908-913.	**5**	Methodology, not relevant to current review.

Reference	Ref ID	Comments
Mullie WC, Diallo AO, Gadji B, Ndiaye MD. 1999. Environmental hazards of mobile ground spraying with cyanophos and fenthion for Quelea control in Senegal. *Ecotoxicology and Environmental Safety* 43:1-10.	**38**	Field study with incident involving a lizard, no other data, not relevant to current review..
Munro DF. 1949. Effect of DDT powder on small cottonmouths. *Herpetologica* 5:71-72	**452**	Mite treatment young snakes, sublethal effects, not relevant to current review.
Nagy KA, Peterson CC. 1988. Scaling of Water Flux Rate in Animals. University of California Press. Berkeley.	584	Checked for references and data. Water flux data entered.
Nagy KA and Shoemaker VH. 1975. Energy and nitrogen budgets of the free-living desert lizard *Sauromalus obesus*. *Physiol. Zool*. 48:252-262	585	Energy expenditure data entered from Nagy et al (1999).
Nagy KA, Bradshaw SD. 1995. Energetics, osmoregulation, and food consumption by free-living desert lizards, *Ctenophorus (= Amphibolurus) Nuchalis*. Amphib. Reptil. 16:25-35	586	Energy expenditure data entered. Water flux data entered.
Nagy KA, Clarke BC, Seely MK, Mitchell D, Lighton JRB. 1991. Water and energy-balance in Namibian Desert sand-dune lizards *Angolosaurus skoogi* (Andersson, 1916). *Functional Ecology* 5:731-739	587	Energy expenditure data entered. Water flux data entered.
Nagy KA, Degen AA. 1988. Do desert geckos conserve energy and water by being nocturnal. *Physiological Zoology* 61:495-499	588	Energy expenditure data entered. Water flux data entered.
Nagy KA, Girard IA and Brown TK. 1999. Energetics of free-ranging mammals, reptiles and birds. *Annu. Rev. Nutr*. 19:247-277	589	Source of references and data. Energy expenditure data entered.
Nagy KA, Huey RB, Bennett AF. 1984. Field energetics and foraging mode of Kalahari lacertid lizards. *Ecology* 65:588-596	590	Energy expenditure data entered. Water flux data entered.
Nagy KA, Knight MH. 1989. Comparative field energetics of a Kalahari skink (*Mabuya striata*) and gecko (*Pachydactylus bibroni*). *Copeia* 13-17	591	Energy expenditure data entered. Water flux data entered.
Nagy KA, Medica PA. 1985. Altered energy-metabolism in an irradiated population of lizards at the Nevada test site. *Radiation Research* 103:98-104.	592	Energy expenditure data entered.
Nagy KA, Medica PA. 1986. Physiological ecology of desert tortoises in southern Nevada. *Herpetologica* 42:73-92.	593	Energy expenditure data entered. Water flux data entered.

Reference	Ref ID	Comments
Nagy KA, Seely MK, Buffenstein R. 1993. Surprisingly low field metabolic-rate of a diurnal desert gecko, *Rhoptropus afer*. *Copeia* 216-219	594	Energy expenditure data entered. Water flux data entered.
Nagy KA, Shoemaker VH. 1984. Field energetics and food-consumption of the Galapagos marine iguana, *Amblyrhynchus cristatus*. *Physiological Zoology* 57:281-290	595	Energy expenditure data entered.
Nagy KA. 1972. Water and electrolyte budgets of a free-living desert lizard, *Sauromalus obesus*. *Journal of Comparative Physiology* 79:39-62.	596	**Water flux data entered from Nagy and pterson (1988).**
Nagy KA. 1982. Energy requirements of free-living iguanid lizards. Pp. 49-59 In: Iguanas of the World: Their Behavior, Ecology and Conservation. Burghardt GM and Rand AS eds. Park Ridge, NJ: Noyes. 472 pp.	597	Energy expenditure data entered from Nagy et al (1999).
Nagy KA. 1983. Ecological energetics. Pp. 24-54 In: Lizard Ecology: Studies of a Model Organism. Huey RB, Pianka ER, Schoener TW eds. Cambridge MA: Harvard Univ. Press. 501 pp. 2nd ed	599	Used data from Grenot et al (1995).
Nagy KA. 2000. Energy costs of growth in neonate reptiles. *Herpetological Monographs* 14:378-387.	598	**Neonates, isotope study but no adult data**
Najbar B. 2006. The occurrence and the characteristics of *Coronella austriaca austriaca* (Laurenti, 1768) (Serpentes: Colubridae) in western Poland. *Acta zoologica cracoviensia*, 49A(1-2):33-40.	600	Species information entered
Naya DE, Veloso C, Bozinovic F. 2008. Physiological flexibility in the Andean lizard *Liolaemus bellii*: Seasonal changes in energy acquisition, storage and expenditure. *Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology* 178:1007-1015.	601	**Not isotope study, no suitable data for allometric equations**
Neiffer DL, Lydick D, Burks K, Doherty D. 2005. Hematologic and plasma biochemical changes associated with fenbendazole administration in Hermann's tortoises (*Testudo hermanni*). *Journal of Zoo and Wildlife Medicine* 36:661-672.	75	Veterinary drug trial, not relevant to current review.
Neuman-Lee LA, Janzen FJ. 2003. Effects of atrazine on the performance, survival, and behavior of embryonic map turtles (*Graptemys*). *Integrative and Comparative Biology* 43:1049.	**388**	Abstract, egg exposure study, no relevant data.

Reference	Ref ID	Comments
Neuman-Lee LA, Janzen FJ. 2005. Effects of atrazine on map turtle (*Graptemys*) development and behavior. *Integrative and Comparative Biology* 45:1171.	**69**	Abstract, egg exposure study, no relevant data.
Newman DG. 1994. Effects of a mouse, *Mus musculus*, eradication program and habitat change on lizard populations of Mana Island, New Zealand, with special reference to Mcgregor skink, *Cyclodina macgregori*. *New Zealand Journal of Zoology* 21:443-456.	319	Not relevant.
Niewiarowski PH. 2000. Aspects of reptile ecology. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 179-197.	125	Checked for data and references.
Olafsson PG, Bryan AM, Bush B, Stone W. 1983. Snapping turtles - a biological screen for PCBs. *Chemosphere* 12:1525-1532.	151	PCB residues , no relevant data.
Orlando EF, Guillette LJ. 2007. Sexual dimorphic responses in wildlife exposed to endocrine disrupting chemicals. *Environmental Research* 104:163-173.	**219**	Review, no relevant data.
Orrell KS, Congdon JD, Jenssen TA, Michener RH, Kunz TH. 2004. Intersexual differences in energy expenditure of *Anolis carolinensis* lizards during breeding and postbreeding seasons. *Physiological and Biochemical Zoology* 77:50-64.	602	Energy expenditure data entered. Water flux data entered.
Overmann SR, Krajicek JJ. 1995. Snapping turtles (*Chelydra serpentina*) as biomonitors of lead contamination of the Big River in Missouri Old Lead Belt. *Environmental Toxicology and Chemistry* 14:689-695.	281	Contaminant effects, no relevant data.
Owen PJ, Wells MR. 1976. Insecticide residues in two turtle species following treatment with DDT. *Bull Environ Contam Toxicol* 15:406-411.	**422**	Residue study, no relevant data.
Ozelmas U, Akay MT. 1995. Histopathological investigations of the effects of malathion on dwarf lizards (*Lacerta parva*, Boulenger 1887). *Bulletin of Environmental Contamination and Toxicology* 55:730-737.	320	Toxicity study, not relevant to current review.

Reference	Ref ID	Comments
Pafilis P, Foufopoulos J, Poulakakis N, Lymberakis P, Valakos E. 2007. Digestive performance in five Mediterranean lizard species: effects of temperature and insularity. *Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology* 177:49-60.	603	No suitable data for allometric equations
Page CD, Papich MG. 1997. Pharmacology and toxicology special issue. *Journal of Zoo and Wildlife Medicine* 28:1-113.	**336**	Not relevant to current review.
Palmer BD, Palmer SK, Rolland R, Gilbertson M, Colborn T. 1995. Vitellogenin induction by xenobiotic estrogens in the red-eared turtle and African clawed frog. *Environmental Health Perspectives* 103:19-25 (Supp. 4).	**424**	Vitellogenin induction by estrogenic compounds, not relevant to current study.
Palmer BD. 2000. Aspects of reptilian anatomy and physiology. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 111-139.	**126**	Checked for data and references.
Paul EA, Simonin HA. 2007. Toxicity of diquat and endothall to eastern spiny softshell turtles (*Apalone spinifera spinifera*). *Journal of Aquatic Plant Management* 45:52-54.	**341**	Toxicity study, not relevant to current review.
Pauli BD, Money S. 2000. Ecotoxicology of pesticides in reptiles. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 269-324.	127	Checked for data and references.
Pearson JE, Tinsley K, Hernandez T. 1973. Distribution of dieldrin in the turtle. *Bulletin of Environmental Contamination and Toxicology* 10:360-367.	**405**	Residue study, not relevant to current review.
Pepper CB, Rainwater TR, Platt SG, Dever JA, Anderson TA, McMurry ST. 2004. Organochlorine pesticides in chorioallantoic membranes of Morelet's crocodile eggs from Belize. *Journal of Wildlife Diseases* 40:493-500.	**54**	Residue study, not relevant to current review.
Perugini M, Giammarino A, Olivieri V, Guccione S, Lai OR, Amorena M. 2006. Polychlorinated biphenyls and organochlorine pesticide levels in tissues of *Caretta caretta* from the Adriatic Sea. *Diseases of Aquatic Organisms* 71:155-161.	**348**	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Peters EL, Brisbin IL. 1988. Radiocesium elimination in the yellow-bellied turtle (*Pseudemys scripta*). *Journal of Applied Ecology* 25:461-471.	145	Not relevant to current review.
Peters EL, Brisbin IL. 1996. Environmental influences on the Cs-137 kinetics of the yellow-bellied turtle (*Trachemys scripta*). *Ecological Monographs* 66:115-136.	144	Not relevant to current review.
Peters EL, Ibrahim SA, Tracy CR, Whicker FW, Nagy KA. 1995. Estimation of the metabolic-rate of the desert iguana (*Dipsosaurus dorsalis*) by a radionuclide technique. *Physiological Zoology* 68:316-341.	604	No suitable energy expenditure or water flux values
Peterson CC, Walton BM, Bennett AF. 1998. Intrapopulation variation in ecological energetics of the garter snake *Thamnophis sirtalis*, with analysis of the precision of doubly labeled water measurements. *Physiological Zoology* 71:333-349	605	Energy expenditure data entered.
Peterson CC, Walton BM, Bennett AF. 1999. Metabolic costs of growth in free-living garter snakes and the energy budgets of ectotherms. *Functional Ecology* 13:500-507.	606	Isotope study but data from Peterson et al 1988
Peterson CC. 1990. Facultative osmoregulation during chronic drought by the desert tortoise *Xerobates agassizii*. *American Zoologist* 30:A125.	607	Not isotope study, no suitable data for allometric equations
Peterson CC. 1990. Paradoxically low metabolic-rate of the diurnal gecko *Rhoptropus afer*. *Copeia* 1990(1):233-237.	608	Not isotope study, no suitable data for allometric equations
Peterson CC. 1996. Anhomeostasis: Seasonal water and solute relations in two populations of the desert tortoise (*Gopherus agassizii*) during chronic drought. *Physiological Zoology* 69:1324-1358	609	Isotope study but no usable data for allometric equations
Peterson CC. 1996. Ecological energetics of the desert tortoise (*Gopherus agassizii*): Effects of rainfall and drought. *Ecology* 77:1831-1844.	610	Energy expenditure data entered.
Peveling R, Demba SA. 2003. Toxicity and pathogenicity of *Metarhizium anisopliae* var. acridum (Deuteromycotina, Hyphomycetes) and fipronil to the fringe-toed lizard *Acanthodactylus dumerili* (Squamata : Lacertidae). *Environmental Toxicology and Chemistry* 22:1437-1447.	**329**	Toxicity study, not relevant to current review.

Reference	Ref ID	Comments
Phelps RJ, Focardi S, Fossi C, Leonzio C, Renzoni A. 1986. Chlorinated hydrocarbons and heavy metals In crocodile *Crocodylus niloticus* eggs from Zimbabwe. *Transactions of the Zimbabwe Scientific Association* 63:8-15.	**88**	Residue study, not relevant to current review.
Phelps RJ, Toet M, Hutton JM. 1989. DDT residues in the fat of crocodiles from Lake Kariba Zimbabwe. *Transactions of the Zimbabwe Scientific Association* 64:9-14.	**399**	Residue study, not relevant to current review.
Pickford DB, Guillette LJ, Crain DA, Rooney AA, Woodward AR. 2000. Plasma dihydrotestosterone concentrations and phallus size in juvenile American alligators (*A. mississippiensis*) from contaminated and reference populations. *Journal of Herpetology* 34:233-239.	**176**	Contaminant effects, not relevant to current review.
Plummer MV, Congdon JD. 1996. Rates of metabolism and water flux in free-ranging racers, *Coluber constrictor*. *Copeia* 8-14.	651	Energy expenditure data entered. Water flux data entered.
Podreka S, Georges A, Maher B, Limpus CJ. 1998. The environmental contaminant DDE fails to influence the outcome of sexual differentiation in the marine turtle *Chelonia mydas*. *Environmental Health Perspectives* 106:185-188.	**423**	Egg exposure, not relevant to current review.
Poletta GL, Larriera A, Kleinsorge E, Mudry MD. 2009. Genotoxicity of the herbicide formulation Roundup (R) (glyphosate) in broad-snouted caiman (*Caiman latirostris*) evidenced by the Comet assay and the Micronucleus test. *Mutation Research* 672:95-102.	**386**	Egg exposure, not relevant to current review.
Portelli MJ, Bishop CA. 2000. Ecotoxicology of organic contaminants in reptiles: A review of the concentrations and effects of organic contaminants in reptiles. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 495-543.	128	Checked for data and references.

Reference	Ref ID	Comments
Portelli MJ, de Solla SR, Brooks RJ, Bishop CA. 1999. Effect of dichlorodiphenyltrichloroethane on sex determination of the common snapping turtle (*Chelydra serpentina serpentina*). *Ecotoxicology and Environmental Safety* 43:284-291.	**133**	Egg exposure, not relevant to current review.
Pough FH. 1973. Lizard energetics and diet. *Ecology*. 54(4):837-844	611	No suitable data for allometric equations
Primus TM, Tawara JN, Goodall MJ, Brooks JE, Savarie PJ, Johnston JJ. 1998. Determination of propoxur residues in whole body brown tree snakes. *Journal of Agricultural and Food Chemistry* 46:2647-2650.	**376**	Residue study, not relevant to current review.
Punzo F, Laveglia J, Lohr D, Dahm PA. 1979. Organo chlorine insecticide residues in amphibians and reptiles from Iowa and lizards from the southwestern USA. *Bulletin of Environmental Contamination and Toxicology* 21:842-848.	**402**	Residue study, not relevant to current review.
Rainwater TR, Adair BM, Platt SG, Anderson TA, Cobb GP, McMurry ST. 2002. Mercury in Morelet's crocodile eggs from Northern Belize. *Archives of Environmental Contamination and Toxicology* 42:319-324.	165	Residue study, not relevant to current review.
Rainwater TR, Reynolds KD, Canas JE, Cobb GP, Anderson TA, McMurry ST, Smith PN. 2005. Organochlorine pesticides and mercury in cottonmouths (Agkistrodon piscivorus) from northeastern Texas, USA. *Environmental Toxicology and Chemistry* 24:665-673.	**52**	Residue study, not relevant to current review.
Rainwater TR, Selcer KW, Nespoli LM, Finger AG, Ray DA, Platt SG, Smith PN, Densmore LD, Anderson TA, McMurry ST. 2008. Plasma vitellogenin in Morelet's crocodiles from contaminated habitats in northern Belize. *Environmental pollution* 153:101-109.	**410**	Contaminant effects, not relevant to current review.
Rainwater TR, Wu TH, Finger AG, Canas JE, Yu L, Reynolds KD, Coimbatore G, Barr B, Platt SG, Cobb GP, Anderson TA, McMurry ST. 2007. Metals and organochlorine pesticides in caudal scutes of crocodiles from Belize and Costa Rica. *Science of the Total Environment* 373:146-156.	**161**	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Rattner BA, Eisenreich KM, Golden NH, McKernan MA, Hothem RL, Custer TW. 2005. Retrospective ecotoxicological data and current information needs for terrestrial vertebrates residing in coastal habitat of the United States. *Archives of Environmental Contamination and Toxicology* 49:257-265.	**101**	Not relevant to current review.
Rauschenberger RH, Sepulveda MS, Wiebe JJ, Szabo NJ, Gross TS. 2004. Predicting maternal body burdens of organochlorine pesticides from eggs and evidence of maternal transfer in *Alligator mississippiensis*. *Environmental Toxicology and Chemistry* 23:2906-2915.	**356**	Residue study, not relevant to current review.
Rauschenberger RH, Wiebe JJ, Buckland JE, Smith JT, Sepulveda MS, Gross TS. 2004. Achieving environmentally relevant organochlorine pesticide concentrations in eggs through maternal exposure in *Alligator mississippiensis*. *Marine Environmental Research* 58:851-856.	**9**	Effects of parental exposure to organochlorines on clutch viability, not relevant to current review.
Rauschenberger RH, Wiebe JJ, Sepulveda MS, Scarborough JE, Gross TS. 2007. Parental exposure to pesticides and poor clutch viability in American alligators. *Environmental Science & Technology* 41:5559-5563.	**339**	Effects of parental exposure to organochlorines on clutch viability, not relevant to current review.
Reading CJ and Davies JL. 1996. Predation by grass snakes (*Natrix natrix*) at a site in southern England. *Journal of Zoology* 239(1):73-82.	613	Species information entered
Reading CJ. 2004. The influence of body condition and prey availability on female breeding success in the smooth snake (*Coronella austriaca* Laurenti). *J. Zool., Lond.* 264, 61–67	612	Species information entered
Rich CN, Talent LG. 2008. The effects of prey species on food conversion efficiency and growth of an insectivorous lizard. *Zoo Biology* 27:181-187.	614	No suitable data for allometric equations
Ricklefs RE, Williams JB. 1984. Daily energy-expenditure and water-turnover rate of adult European starlings (*Sturnus vulgaris*) during the nesting cycle. *Auk* 101, 707-716.	662	Avian isotope study example.
Robinson MD. 1990. Summer field energetics of the Namib Desert dune lizard *Aporosaura anchietae* (Lacertidae), and its relation to reproduction. *Journal of Arid Environments* 18:207-215	615	Energy expenditure data entered. Water flux data entered.

Reference	Ref ID	Comments
Robinson MD. 1995. Food plants and energetics of the herbivorous lizard, *uromastyx aegyptius microlepis*, in Kuwait. *Journal of the University of Kuwait-Science* 22:255-262.	616	Not isotope study, no suitable data for allometric equations - Diet
Robinson RW, Peters RH, Zimmermann J. 1983. The effects of body size and temperature on metabolic rate of organisms. *Can. J. Zool*. 61:281-288.	617	Background information on temperature and metabolism
Roe JH, Georges A, Green B. 2008. Energy and water flux during terrestrial Estivation and overland movement in a freshwater turtle. *Physiological and Biochemical Zoology* 81:570-583	618	Water flux data entered.
Roe JH, Hopkins WA, Baionno JA, Staub BP, Rowe CL, Jackson BP. 2004. Maternal transfer of selenium in *Alligator mississippiensis* nesting downstream from a coal-burning power plant. *Environmental Toxicology and Chemistry* 23:1969-1972.	78	Residue study, not relevant to current review.
Rooney AA, Bermudez DS, Guillette LJ. 2003. Altered histology of the thymus and spleen in contaminant-exposed juvenile American alligators. *Journal of Morphology* 256:349-359.	**232**	Contaminant effects, not relevant to current review.
Rooney AA, Guillette LJ. 2001. Biotic and abiotic factors in crocodilian stress: the challenge of a modern environment. pp. 214-228. In: *Crocodilian Biology and Evolution (*Eds Grigg, GC, Seebacher F and Franklin CE). Proceedings of Conference on Crocodilian Biology and Evolution. Univ Queensland, St Lucia, Australia, Jul, 1998. Univ Queensland, Dept Zool Surrey Beatty & Sons, Chipping Norton NSW.	236	Stress responses, review, not relevant to current review.
Rosato P, Ferguson DE. 1968. The toxicity of endrin-resistant mosquito fish to eleven species of vertebrates. *Bioscience* 18(8):783-784	**453**	Toxicity study, not relevant to current review.
Russell RW, Gobas FAPC, Haffner GD. 1999. Maternal transfer and in ovo exposure of organochlorines in oviparous organisms: a model and field verification. *Environmental Science & Technology* 33:416-420.	**57**	Residue study, not relevant to current review.
Rybitski MJ, Hale RC, Musick JA. 1995. Distribution of organochlorine pollutants in Atlantic sea-turtles. *Copeia* 1995(2):379-390.	321	Residue study, not relevant to current review.

Reference	Ref ID	Comments
Sabourin TD, Stickle WB, Michot TC, Villars CE, Garton DW, Mushinsky HR. 1984. Organochlorine residue levels in Mississippi River water snakes in southern Louisiana. *Bulletin of Environmental Contamination and Toxicology* 32:460-468.	322	Residue study, not relevant to current review.
Sanchez JC, Fossi MC, Focardi S. 1997. Serum "B" esterases as a nondestructive biomarker for monitoring the exposure of reptiles to organophosphorus insecticides. *Ecotoxicology and Environmental Safety* 38:45-52.	**207**	Field study, not relevant to current review.
Sanchez JC, Fossi MC, Focardi S. 1997. Serum B esterases as a nondestructive biomarker in the lizard *Gallotia galloti* experimentally treated with parathion. *Environmental Toxicology and Chemistry* 16:1954-1961.	**324**	Toxicity study, not relevant to current review.
Sanchez-Hernandez JC, Carbonell R, Henriquez Perez A, Montealegre M, Gomez L. 2004. Inhibition of plasma butyrylcholinesterase activity in the lizard *Gallotia galloti palmae* by pesticides: a field study. *Environmental Pollution* 132:479-488.	**27**	Field study, not relevant to current review.
Sanchez-Hernandez JC, Moreno Sanchez B. 2002. Lizard cholinesterases as biomarkers of pesticide exposure: enzymological characterization. *Environmental Toxicology and Chemistry* 21:2319-2325.	**368**	Biomarker study, no relevant data.
Sanchez-Hernandez JC, Walker CH. 2000. In vitro and in vivo cholinesterase inhibition in lacertides by phosphonate- and phosphorothioate-type organophosphates. *Pesticide Biochemistry and Physiology* 67:1-12.	**58**	Toxicity study, not relevant to current review.
Sanchez-Hernandez JC. 2001. Wildlife exposure to organophosphorus insecticides. *Reviews of Environmental Contamination and Toxicology* 172:21-63.	**3**	Review, checked for data and references.
Sanchez-Hernandez JC. 2003. Evaluating reptile exposure to cholinesterase-inhibiting agrochemicals by serum butyrylcholinesterase activity. *Environmental Toxicology and Chemistry* 22:296-301.	**31**	Biomarker development, not relevant to current review.

Reference	Ref ID	Comments
Sanderson JT. 2006. Pesticides and the disruption of the enzyme aromatase. *Outlooks on Pest Management* 17:21-23.	**350**	In vitro study, not relevant to current review.
Savarie PJ, Bruggers RL. 1999. Candidate repellents, oral and dermal toxicants, and fumigants for brown treesnake control. In: G.H.Rodda, Y.Sawai, D.Chiszar, and H.Tanaka (Eds.), Problem Snake Management: The Habu and the Brown Treesnake, Cornell Univ.Press, Ithaca, NY :417-422	**446**	Review of toxicity data, not relevant to current review.
Savarie PJ, Shivik JA, White GC, Hurley JC, Clark L. 2001. Use of acetaminophen for large-scale control of brown treesnakes. *Journal of Wildlife Management* 65:356-365.	**79**	Field trial, not relevant to current review.
Savarie PJ, Wood WS, Rodda GH, Bruggers RL, Engeman RM. 2005. Effectiveness of methyl bromide as a cargo fumigant for brown treesnakes. *International Biodeterioration & Biodegradation* 56:40-44.	**387**	Toxicity study, not relevant to current review.
Scantlebury M, Minting P. 2006. Differences in resting metabolic rates of two southern African tortoises: *Psammobates oculiferus* and *Geochelone pardalis*. *African Journal of Herpetology* 55:161-165.	619	Not isotope study, no suitable data for allometric equations
Schmidt AA. 1971. Difficulties with skin shedding in snakes after a neguvon treatment. *Salamandra* 7:38.	**100**	Abstract, not relevant to current review.
Schmidt-Nielsen K. 1979. Animal Physiology: Adaptation and Environment. Cambridge University Press. London.	621	Metabolic water production values entered.
Sciarrillo R, De Falco M, Virgilio F, Laforgia V, Capaldo A, Gay F, Valiante S, Varano L. 2008. Morphological and functional changes in the thyroid gland of methyl thiophanate-injected lizards, *Podarcis sicula*. *Archives of Environmental Contamination and Toxicology* 55:254-261.	**64**	Toxicity study, not relevant to current review.
Sears MW. 2005. Resting metabolic expenditure as a potential source of variation in growth rates of the sagebrush lizard. *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology* 140:171-177.	620	Not isotope study, no suitable data for allometric equations
Secor SM, Nagy KA. 1994. Bioenergetic correlates of foraging mode for the snakes *Crotalus cerastes* and *Masticophis flagellum*. *Ecology* 75:1600-1614.	652	Energy expenditure data entered. Water flux data entered.

Reference	Ref ID	Comments
Selcer KW. 2006. Reptile ecotoxicology: Studying the effects of contaminants on populations. pp. 267-297. In: Toxicology of reptiles (Gardner SC, Oberdorster E, eds), CRC Press LLC	**25**	Checked for data and references.
Semenza JC, Tolbert PE, Rubin CH, Guillette LJ, Jackson RJ. 1997. Reproductive toxins and alligator abnormalities at Lake Apopka, Florida. *Environmental Health Perspectives* 105:1030-1032.	**257**	Contaminant effects, not relevant to current review.
Sepulveda MS, Piero Fd, Wiebe JJ, Rauschenberger HR, Gross TS. 2006. Necropsy findings in American alligator late-stage embryos and hatchlings from Northcentral Florida lakes contaminated with organochlorine pesticides. *Journal of Wildlife Diseases* 42:56-73.	**349**	Contaminant effects, not relevant to current review.
Sepulveda MS, Wiebe JJ, Harvey A, Basto J, Ruessler DS, Roldan E, Gross TS. 2001. Environmental contaminants and developmental toxicity for the American alligator in Central Florida. *Toxicologist* 60:162-163.	**419**	Contaminant effects, not relevant to current review.
Sepulveda MS, Wiebe JJ, Honeyfield DC, Rauschenberger HR, Hinterkopf JP, Johnson WE, Gross TS. 2004. Organochlorine pesticides and thiamine in eggs of largemouth bass and American alligators and their relationship with early life-stage mortality. *Journal of Wildlife Diseases* 40:782-786.	**355**	Contaminant effects, not relevant to current review.
Sheehan DM, Willingham E, Gaylor D, Bergeron JM, Crews D. 1999. No threshold dose for estradiol-induced sex reversal of turtle embryos: How little is too much? *Environmental Health Perspectives* 107:155-159.	113	Contaminant effects, not relevant to current review.
Shoemaker VH and Nagy KA. 1984. Osmoregulation in the Galapagos marine iguana, *Amblyrhynchus cristatus*. *Physiological Zoology* 57:291-300	622	Water flux data entered.
Sidis I, Gasith A. 1985. Food-habits of the Caspian terrapin (*Mauremys caspica rivulata*) in unpolluted and polluted habitats in Israel. *Journal of Herpetology* 19:108-115.	211	Feeding behaviour, not relevant to current review.
Singh SM, Bhadauria AS, Tripathi RA. 2005. Comparative bio-efficacy of different rodenticides against field rats and their impact on non-target organisms. *Farm Science Journal* 14:61-63.	**353**	Reports single secondary poisoning incident involving a snake, no relevant data.

Reference	Ref ID	Comments
Skaare JU, Ingebrigtsen K, Aulie A, Kanui TI. 1991. Organochlorines in crocodile eggs from Kenya. *Bulletin of Environmental Contamination and Toxicology* 47:126-130.	**325**	Residue study, not relevant to current review.
Smith JG, Christian K, Green B. 2008. Physiological ecology of the mangrove-dwelling varanid *Varanus indicus*. *Physiological and Biochemical Zoology* 81:561-569	623	Energy expenditure data entered. Water flux data entered.
Smith PN, Cobb GP, Godard-Codding C, Hoff D, McMurry ST, Rainwater TR, Reynolds KD. 2007. Contaminant exposure in terrestrial vertebrates. *Environmental Pollution* 150:41-64.	160	Review, no relevant data.
Smits AW. 1985. Correlates of activity, diet, and body-water flux in the chuckwalla lizard *Sauromalus hispidus*. *Physiological Zoology* 58:166-174.	624	**Water flux data entered.**
Sokol OM. 1971. Lithophagy and geophagy in reptiles. *J Herpetol* 5:69–71.	625	Information entered
Solomon KR, Carr JA, Du Preez LH, Giesy JP, Kendall RJ, Smith EE, Van Der Kraak GJ. 2008. Effects of atrazine on fish, amphibians, and aquatic reptiles: a critical review. *Critical Reviews in Toxicology* 38:721-772.	**89**	Not relevant to current review.
Sorci D, Swallow JG, Garland T Jr and Clobert J. 1995. Quantitative genetics of locomotor speed and endurance in the lizard *Lacerta vivipara*. *Physiological Zoology* 68(4):698-720	627	Not relevant to current review.
Sparling DW, Bishop CA, Linder G. 2000. The current status of amphibian and reptile ecotoxicological research. In: Ecotoxicology of amphibians and reptiles. Sparling DW, Linder G and Bishop CA eds. SETAC Press, Pensacola. pp. 1-13.	129	Checked for data and references.
Sparling DW, Matson C, Bickham J, Doelling-Brown P. 2006. Toxicity of glyphosate as Glypro (R) and LI700 to red-eared slider (*Trachemys scripta elegans*) embryos and early hatchlings. *Environmental Toxicology and Chemistry* 25:2768-2774.	**70**	Egg exposure, not relevant to current review.

Reference	Ref ID	Comments
Spellerberg IF. 1972. Thermal ecology of allopatric lizards (*Sphenomorphus*) in southeast Australia. II. Physiological aspects of thermoregulation. *Oecologia* 9(4):385-398	628	Estimates of lizard surface area entered
Spellerberg IF. 2002. Amphibians and Reptiles of North-West Europe. Science Publishers Inc. Plymouth UK.	653	Species information entered
Stewart DAB, Seesink LD. 1996. Impact of locust control in a semi-arid ecosystem in South Africa. *Brighton Crop Protection Conference: Pests & Diseases - 1996, Vols 1-3* 1193-1198.	**60**	Field study, not relevant to current review.
Stoneburner DL, Kushlan JA. 1984. Heavy-metal burdens in American crocodile eggs from Florida Bay, Florida, USA. *Journal of Herpetology* 18:192-193.	**283**	Residue study, not relevant to current review.
Storelli MM, Barone G, Marcotrigiano GO. 2007. Polychlorinated biphenyls and other chlorinated organic contaminants in the tissues of Mediterranean loggerhead turtle *Caretta caretta*. *Science of the Total Environment* 373:456-463.	**342**	Residue study, not relevant to current review.
Storelli MM, Marcotrigiano GO. 2000. Chlorobiphenyls, HCB, and organochlorine pesticides in some tissues of *Caretta caretta* (Linnaeus) specimens beached along the Adriatic Sea, Italy. *Bulletin of Environmental Contamination and Toxicology* 64:481-488.	**51**	Residue study, not relevant to current review.
Story P, Cox M. 2001. Review of the effects of organophosphorus and carbamate insecticides on vertebrates. Are there implications for locust management in Australia? *Wildlife Research* 28:179-193.	**334**	Not relevant to current review.
Strijbosch H and Creemers RCM. 1988. Comparative demography of sympatric populations of *Lacerta vivipara* and *Lacerta agilis*. *Oecologia* 76(1):20-26.	654	Species information entered

Reference	Ref ID	Comments
Struger J, Elliott JE, Bishop CA, Obbard ME, Norstrom RJ, Weseloh DVC, Simon M, Ng P. 1993. Environmental Contaminants in Eggs of the Common Snapping Turtle (*Chelydra serpentina serpentina*) from the Great-Lakes St-Lawrence-River Basin of Ontario, Canada (1981, 1984). *Journal of Great Lakes Research* 19:681-694.	**140**	Not relevant to current review.
Struger J, Elliott JE, Obbard ME, Weseloh DV. 1986. Organochlorine contaminants in snapping turtle eggs from Ontario. *IAGLR-86 program international association for Great Lakes research 29th Conference, May 26-29, 1986* 50.	**425**	Residue study, not relevant to current review.
Suresh B, Hiradhar PK. 1990. Toxicity of NaF on Tail Regeneration in Gekkonid Lizard *Hemidactylus flaviviridis*. *Indian J.Exp.Biol*. 28(11):1086-1087	**447**	Not relevant to current review.
Suski JG, Salice C, Houpt JT, Bazar MA, Talent LG. 2008. Dose-related effects following oral exposure of 2,4-dinitrotoluene on the western fence lizard, *Sceloporus occidentalis*. *Environmental Toxicology and Chemistry* 27:352-359.	14	Information on potential effects of soil ingestion entered.
Szell Z, Sreter T, Varga I. 2001. Ivermectin toxicosis in a chameleon (*Chamaeleo senegalensis*) infected with *Foleyella furcata*. *Journal of Zoo and Wildlife Medicine* 32:115-117.	81	Case study of adverse reaction to drug, not relevant to current review.
Talent LG, Dumont JN, Bantle JA, Janz DM, Talent SG. 2002. Evaluation of western fence lizards (*Sceloporus occidentalis*) and eastern fence lizards (*Sceloporus undulatus*) as laboratory reptile models for toxicological investigations. *Environmental Toxicology and Chemistry* 21:899-905.	33	Egg exposure, not relevant to current review.
Talent LG. 2005. Effect of temperature on toxicity of a natural pyrethrin pesticide to green anole lizards (*Anolis carolinensis*). *Environmental Toxicology and Chemistry* 24:3113-3116.	**8**	Information on the effects of temperature on toxicity entered.

Reference	Ref ID	Comments
Tangredi BP, Evans RH. 1997. Organochlorine pesticides associated with ocular, nasal, or otic infection in the eastern box turtle (*Terrapene carolina carolina*). *Journal of zoo and wildlife medicine - official publication of the American Association of Zoo Veterinarians* 28:97-100.	**414**	Contaminant effects, no relevant data.
Thompson GG, and Withers PC. 1998. Standard evaporative water loss and metabolism of juvenile *Varanus mertensi* (Squamata: Varanidae). *Copeia* 1998(4):1054-1059	630	**Not isotope study, no suitable data for allometric equations**
Thompson GG, Bradshaw SD, Withers PC. 1997. Energy and water turnover rates of a free-living and captive goanna, *Varanus caudolineatus* (Lacertilia: Varanidae). *Comparative Biochemistry and Physiology A-Physiology* 116:105-111	629	Energy expenditure data entered. Water flux data entered.
Toriba M, Senbo S, Kosuge Y. 1999. New dermal toxicants and methods of application for venomous snakes. In: G.H.Rodda, Y.Sawai, D.Chiszar, and H.Tanaka (Eds.), Problem Snake Management: The Habu and the Brown Treesnake, Cornell Univ.Press, Ithaca, NY :411-416	**448**	Toxicity study, not relevant to current review.
Tracy CR, Flack KM, Zimmerman LC, Espinoza RE, Tracy CR. 2005. Herbivory imposes constraints on voluntary hypothermia in lizards. *Copeia* 12-19.	631	Not isotope study, no suitable data for allometric equations
Tracy CR, McWhorter TJ, Wojciechowski MS, Korine C, Karasov WH, Pinshow B. 2005. Relatively low paracellular absorption in a reptile, the Egyptian mastigure, *Uromastyx aegyptius*. *Integrative and Comparative Biology* 45:1203.	632	**Not isotope study, no suitable data for allometric equations**
Tsai TS, Lee HJ, Tu MC. 2008. Specific dynamic action, apparent assimilation efficiency, and digestive rate in an arboreal pitviper, *Trimeresurus stejnegeri stejnegeri*. *Canadian Journal of Zoology-Revue Canadienne de Zoologie* 86:1139-1151.	633	**Digestion/assimilation, not used in current study**
Tsubota T, Taki S, Sudo A, Murase T, Noda A, Masegi T, Minamoto N. 2002. Accumulation and reproductive affection of endocrine disruptors to the wild animal. *Japanese Journal of Zoo and Wildlife Medicine* 7:69-74.	**370**	Contaminant effects, no relevant data.

Reference	Ref ID	Comments
Twigg LE, King DR, Bradley AJ. 1988. the effect of sodium monofluoroacetate on plasma testosterone concentration in *Tiliqua rugosa* (Gray). *Comparative Biochemistry and Physiology C-Pharmacology Toxicology & Endocrinology* 91:343-347.	**327**	Toxicity study, not relevant to current review.
Twigg LE, Mead RJ, King DR. 1986. Metabolism of fluoroacetate in the skink (*Tiliqua rugosa*) and the rat (*Rattus norvegicus*). *Australian Journal of Biological Sciences* 39:1-15.	328	Toxicity study, not relevant to current review.
Twigg LE, Mead RJ. 1990. Comparative metabolism of, and sensitivity to, fluoroacetate in geographically separated populations of *Tiliqua rugosa* (Gray) (Scincidae). *Australian Journal of Zoology* 37:617-626.	**326**	Toxicity study, not relevant to current review.
Ulsh BA, Muhlmann-Diaz MC, Whicker FW, Hinton TG, Congdon JD, Bedford JS. 2000. Chromosome translocations in turtles: A biomarker in a sentinel animal for ecological dosimetry. *Radiation Research* 153:752-759.	274	Not relevant to current review.
USACHPPM. 2006. Wildlife Toxicity Assessment for 2,4 & 2,6-Dinitrotoluene, Project Number 39-EJ-1138-01D, U.S. Army Center for Health Promotion and Preventive Medicine, Aberdeen Proving Ground, Maryland.	449	Not relevant to current review.
Vernet R, Castanet J and Baez M. 1995. Comparative water flux and daily energy expenditure of lizards of the genus *Gallotia* (Lacertidae) from the Canary Islands*. Amphib. Reptil.* 16:55-66	637	Energy expenditure data entered. Water flux data entered.
Vernet R, Grenot C, Nouira S. 1988. Water flux and energy-metabolism in a population of Lacertidae of the Kerkennah Islands (Tunisia). *Canadian Journal of Zoology-Revue Canadienne de Zoologie* 66:555-561	634	**Energy expenditure data entered. Water flux data entered.**
Vernet R, Lemire M, Grenot C. 1988. Field studies on activity and water-balance of a desert monitor *Varanus griseus* (Reptilia, Varanidae). *Journal of Arid Environments* 15:81-90	635	**Water flux data entered.**

Reference	Ref ID	Comments
Vernet R, Lemire M, Grenot CJ, Francaz JM. 1988. Ecophysiological comparisons between 2 large Saharan lizards, *Uromastix acanthinurus* (Agamidae) and *Varanus griseus* (Varanidae). *Journal of Arid Environments* 14:187-200	636	**Water flux data entered.**
Vonier PM, Crain DA, McLachlan JA, Guillette LJ, Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. *Environmental Health Perspectives* 104:1318-1322.	**185**	In vitro study, not relevant to current review.
Vos JG, Dybing E, Greim HA, Ladefoged O, Lambre C, Tarazona JV, Brandt I, Vethaak AD. 2000. Health effects of endocrine-disrupting chemicals on wildlife, with special reference to the European situation. *Critical Reviews in Toxicology* 30:71-133.	**11**	Not relevant to current review.
Walker CH. 1998. Biomarker strategies to evaluate the environmental effects of chemicals. *Environmental Health Perspectives* 106:613-620.	84	Not relevant to current review.
Wallace BP, Williams CL, Paladino FV, Morreale SJ, Lindstrom RT and Spotila JR. 2005. Bioenergetics and diving activity of internesting leatherback turtles *Dermochelys coriacea* at Parque Nacional Marino Las Baulas, Costa Rica. *Journal of Experimental Biology* 208:3873-3884	638	Energy expenditure data entered. Water flux data entered.
Warner DA, Bonnet X, Hobson KA, Shine R. 2008. Lizards combine stored energy and recently acquired nutrients flexibly to fuel reproduction. *Journal of Animal Ecology* 77:1242-1249.	639	Not isotope study, no suitable data for allometric equations
Weathers WW, Davidson CL, Olson CR , Morton ML , Nur N, Famula TR. 2002. Altitudinal variation in parental energy expenditure by white-crowned sparrows. *Journal of Experimental Biology* 205:2915-2924	**663**	Avian isotope study example.
Webster MD, Weathers WW. 2000. Seasonal changes in energy and water use by verdins, *Auriparus flaviceps*. *Journal of Experimental Biology*, 203:3333-3344.	**665**	Avian isotope study example.

Reference	Ref ID	Comments
Wee SL, Tan KH. 2001. Allomonal and hepatotoxic effects following methyl eugenol consumption in *Bactrocera papayae* Male against *Gekko monarchus*. *J.Chem.Ecol.* 27(5):953-964	**450**	Insect defences, not relevant to current review.
Wells MR, Witherspoon FG. 1975. ATPase activity in cellular fractions of the red-eared turtle treated in-vitro with DDT DDD and DDE. *ASB Bulletin* 22:86.	**404**	In vitro study, not relevant to current review.
Wessels CL, Blake D, Tannock J, Phelps RJ. 1980. Chlorinated hydro carbon insecticide residues in *Crocodilus niloticus* eggs from Lake Kariba Zimbabwe. *Transactions of the Zimbabwe Scientific Association* 60:11-17.	**90**	Residue study, not relevant to current review.
Wiebe JJ, Sepulveda M, Abercrombie A, Wilkinson P, Harvey A, Basto J, Woodward A, Gross TS. 2001. Environmental contaminants and decreased egg viability in the American alligator. *Toxicologist* 60:334.	**416**	Contaminant effects, not relevant to current review.
Wikelski M, Gall B, Trillmich F. 1993. Ontogenic changes in food-intake and digestion rate of the herbivorous marine iguana (*Amblyrhynchus cristatus*, Bell). *Oecologia* 94:373-379.	640	Not isotope study, no suitable data for allometric equations
Wiktelius S, Edwards CA. 1997. Organochlorine insecticide residues in African fauna: 1971-1995. *Reviews of Environmental Contamination and Toxicology* 151:1-37.	**335**	Residue study, not relevant to current review.
Willemsen RE, Hailey A. 1999. Variation of adult body size of the tortoise *Testudo hermanni* in Greece: proximate and ultimate causes. *J. Zool. Lond.* 248:379-396.	641	Species information entered
Willemsen RE, Hailey A. 2001. Effects of spraying the herbicides 2,4-D and 2,4,5-T on a population of the tortoise *Testudo hermanni* in southern Greece. *Environmental Pollution* 113:71-78.	**371**	Data on numbers suggesting susceptibility, not relevant to current review.
Williams JB, Nagy KA. 1984. Daily energy expenditure of savannah sparrows: comparison of time-energy budget and doubly-labeled water estimates. *Auk* 101(2):221-229	664	Avian isotope study example.

Reference	Ref ID	Comments
Willingham E(Reprint), Crews D. 1998. Organismal effects of the environmentally relevant pesticide concentrations on the red-eared slider turtle, a species with temperature-dependent sex determination. *American Zoologist* 38:40A.	**398**	Egg exposure, not relevant to current review.
Willingham E, Crews D. 2000. The red-fared slider turtle: An animal model for the study of low doses and mixtures. *American Zoologist* 40:421-428.	189	Egg exposure, not relevant to current review.
Willingham E, Rhen T, Sakata JT, Crews D. 2000. Embryonic treatment with xenobiotics disrupts steroid hormone profiles in hatchling red-eared slider turtles (*Trachemys scripta elegans*). *Environmental Health Perspectives* 108:329-332.	**188**	Egg exposure, not relevant to current review.
Willingham E. 2001. Embryonic exposure to low-dose pesticides: effects on growth rate in the hatchling red-eared slider turtle. *Journal of Toxicology and Environmental Health Part A* 64:257-272.	**46**	Egg exposure, not relevant to current review.
Willingham EJ. 2005. The effects of atrazine and temperature on turtle hatchling size and sex ratios. *Frontiers in Ecology and the Environment* 3:309-313.	**427**	Egg exposure, not relevant to current review.
Wilson AM, Kriegstein AR. 1991. Turtle cortical-neurons survive glutamate exposures that are lethal to mammalian neurons. *Brain Research* 540:297-301.	13	Not relevant to current review.
Wilson DS, Nagy KA, Tracy CR, Morafka DJ, Yates RA. 2001. Water balance in neonate and juvenile desert tortoises, *Gopherus agassizii*. *Herpetological Monographs* 15:158-170.	642	Isotope study but no usable data?
Winne CT, Willson JD, Todd BD, Andrews KM, Gibbons JW. 2007. Enigmatic decline of a protected population of Eastern Kingsnakes, *Lampropeltis getula*, in South Carolina. *Copeia* 2007(3):507-519.	6	Population decline, not relevant.
Witherspoon FG, Jr., Wells MR. 1975. ATPase activity in brain intestinal mucosa kidney and liver cellular fractions of the red-eared turtle following in-vitro treatment with DDT DDD and DDE. *Bulletin of Environmental Contamination and Toxicology* 14:537-544.	**96**	In vitro study, not relevant to current review.

Reference	Ref ID	Comments
Wood PD, Cobb GP. 1994. Aroclor and coplanar PCB determination in eggs of loggerhead sea-turtles and American alligators from South-Carolina. *Abstracts of Papers of the American Chemical Society* 207:204-ENVR.	170	Egg residues, not relevant to current review.
Wu TH, Canas JE, Rainwater TR, Platt SG, McMurry ST, Anderson TA. 2006. Organochlorine contaminants in complete clutches of Morelet's crocodile (*Crocodylus moreletii*) eggs from Belize. *Environmental Pollution* 144:151-157.	**346**	Egg residues, not relevant to current review.
Wu TH, Rainwater TR, Platt SG, McMurry ST, Anderson TA. 1999. Organochlorine residues in Morelet's crocodile eggs from Belize. *Abstracts of Papers American Chemical Society* 218:17.	**396**	Egg residues, not relevant to current review.
Wu TH, Rainwater TR, Platt SG, McMurry ST, Anderson TA. 2000. DDE in eggs of two crocodile species from Belize. *Journal of Agricultural and Food Chemistry* 48:6416-6420.	**45**	Egg residues, not relevant to current review.
Wu TH, Rainwater TR, Platt SG, McMurry ST, Anderson TA. 2000. Organochlorine contaminants in Morelet's crocodile (*Crocodylus moreletii*) eggs from Belize. *Chemosphere* 40:671-678.	**373**	Egg residues, not relevant to current review.
Yawetz A, Sidis I, Gasith A. 1983. Metabolism of Parathion and Brain Cholinesterase Inhibition in Aroclor 1254 Treated and Untreated Caspian Terrapin (*Mauremys caspica rivulata*, Emydidae, Chelonia) in Comparison with 2 Species of Wild Birds. *Comparative Biochemistry and Physiology C-Pharmacology Toxicology & Endocrinology* 75:377-382.	213	Toxicity study, not relevant to current review.
Yoshikane M, Kay WR, Shibata Y, Inoue M, Yanai T, Kamata R, Edmonds JS, Morita M. 2006. Very high concentrations of DDE and toxaphene residues in crocodiles from the Ord River, Western Australia: an investigation into possible endocrine disruption. *Journal of Environmental Monitoring* 8:649-661.	**413**	Residue study, not relevant to current review.
Zhu L, Yang X, Lin Q, Cai L, Xu B, Zhang H. 2006. The residues and pharmacokinetics of florphenicol in Trionyx sinensis following intramascular injection and oral administration. *Journal of Fisheries of China* 30:515-519.	**347**	Residue levels, not relevant to current review.

Reference	Ref ID	Comments
Znari M, Nagy KA. 1997. Field metabolic rate and water flux in free-living Bibron's agama (*Agama impalearis*, Boettger, 1874) in Morocco. *Herpetologica* 53:81-88.	643	**Energy expenditure data entered. Water flux data entered.**
Zuffi MAL, Odetti F and Meozzi P. 1999. Body size and clutch size in the European pond turtle (*Emys orbicularis*) from central Italy. *J. Zool. Lond*. 247:139-143.	644	Species information entered

SUPPLEMENT TO FINAL REPORT

Exposure of reptiles to plant protection products

A Report to EFSA

CFT/EFSA/PPR/2008/01

Lot 1

Steve Fryday and Helen Thompson[1]

Environmental Risk Assessment Team,
Environmental Risk Programme,
The Food and Environment Research Agency
York YO41 1LZ
UK

September 2009

[1]Tel 44 1904 462515; Fax 44 1094 462111; email Helen.Thompson@fera.gsi.gov.uk

Supplement to Final Report.
Output from DIALOG Database searches

7/9/1 (Item 1 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009691411 **CAB Accession Number:** 20083305564
Effects of atrazine on fish, amphibians, and aquatic reptiles: a critical review.

Solomon, K. R.; Carr, J. A.; Preez, L. H. du; Giesy, J. P.; Kendall, R. J.; Smith, E. E.; Kraak, G. J. van der
Department of Environmental Biology and Centre for Toxicology, University of Guelph, Guelph, Ontario, Canada.
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ISSN: 1040-8444
Digital Object Identifier: 10.1080/10408440802116496
Publisher: Informa Healthcare New York , USA
Language: English **Record Type:** Abstract
Document Type: Journal article
The **herbicide** atrazine is widely used in agriculture for the production of corn and other crops. Because of its physical and chemical properties, atrazine is found in small concentrations in surface waters - habitats for some species. A number of reports on the effects of atrazine on aquatic vertebrates, mostly amphibians, have been published, yet there is inconsistency in the effects reported, and inconsistency between studies in different laboratories. We have brought the results and conclusions of all of the relevant laboratory and field studies together in this critical review and assessed causality using procedures for the identification of causative agents of disease and ecoepidemiology derived from Koch's postulates and the Bradford-Hill guidelines. Based on a weight of evidence analysis of all of the data, the central theory that environmentally relevant concentrations of atrazine affect reproduction and/or reproductive development in fish, amphibians, and **reptiles** is not supported by the vast majority of observations. The same conclusions also hold for the supporting theories such as induction of aromatase, the enzyme that converts testosterone to estradiol. For other responses, such as immune function, stress endocrinology, parasitism, or population-level effects, there are no indications of effects or there is such a paucity of good data that definitive conclusions cannot be made. 242 ref.

Descriptors: atrazine; enzymes; estradiol; **herbicide** residues; **herbicides**; nontarget effects; nontarget organisms; reproduction; **reviews**; testosterone
Identifiers: oestradiol; weedicides; weedkillers
CAS Registry Numbers: 1912-24-9; 50-28-2; 315-37-7; 5721-91-5; 57-85-2; 58-22-0; 1255-69-8; 15262-86-9
Organism Descriptors: Amphibia; fishes; **reptiles**
Broader Terms: vertebrates; Chordata; animals; eukaryotes; aquatic organisms; aquatic animals
CABICodes: Pesticide and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Aquatic Biology and Ecology (MM300); **Toxicology** and **Poisoning** (Wild Animals), (New March 2000) (YY900)

7/9/2 (Item 2 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009463773 **CAB Accession Number:** 20083023378
The effects of the fungicide thiophanate methyl on the adrenal gland of reptilian and amphibian bioindicator organisms: differences in the response to endocrine disruptors.

Capaldo, A.; Laforgia, V.; Varano, L.; Falco, M. de
Author email address: anna.capaldo@unina.it
Department of Biological Sciences, Section of Evolution and Comparative Biology, University of Naples "Federico II", Via Mezzocannone 8, 80134 Naples, Italy.
Book Title: Evolutionary molecular strategies and plasticity
p.143-167
Publication Year: 2007
Editors: Canonaco, M.; Facciolo, R. M.
Publisher: Research Signpost Trivandrum , India
ISBN: 81-308-0135-3
Language: English **Record Type:** Abstract
Document Type: Book chapter
Endocrine disrupting chemicals are a broad group of substances, widespread in the environment and food chains that interfere with the **endocrine** systems in wildlife and humans, also at very low dose levels, with long-term consequences on health. Thiophanate methyl, a **fungicide** widely used to control several fungal diseases of crops, acts as **endocrine** disrupter, affecting thyroid and adrenal glands. The **fungicide** contaminates both the surface soil system and the aquatic environment, menacing survival of wild reptilian and amphibian populations that here have their preferred habitats. In addition, these species are excellent models for the study of contaminant-induced **endocrine** disruption, due to their high sensitivity to **endocrine** disrupting chemicals, and their ability to bioaccumulate and biomagnify contaminants to levels equal to or greater than that reported for birds and mammals. This review focuses on general features of **endocrine** disrupting chemicals, the effects of **endocrine** disrupting chemicals on mammalian and lower vertebrates adrenal gland, and thiophanate methyl-induced alterations in the adrenal glands of a newt, Triturus carnifex, and a **lizard**, Podarcis sicula, evaluated through morphological and biochemical parameters. The adrenal's of both species were strongly affected, but in a different way, by thiophanate methyl. In Triturus carnifex, thiophanate methyl decreased the lipid droplet content in the steroidogenic cells, and corticosterone and aldosterone serum levels. Podarcis sicula showed lymphocyte and macrophage infiltration in the adrenal gland, an hypertrophy of steroidogenic tissue, an increase in corticosterone and a decrease in adrenocorticotrophin plasma levels. In Triturus carnifex, the presence of secretory vesicles in the chromaffin cells appeared decreased and norepinephrine and epinephrine serum levels appeared increased. In the chromaffin tissue of Podarcis sicula, thiophanate methyl increased the number of epinephrine cells and epinephrine plasma levels, whereas norepinephrine plasma levels appeared decreased. The result suggest that (1) the **fungicide** acts as **endocrine** disruptor, affecting the adrenal gland of both species (2) amphibians and **reptiles** are both influenced, but differently, by thiophanate methyl. 120 ref.

Descriptors: adrenal glands; aldosterone; corticosterone; **endocrine** system; **fungicides**; indicator species; lipids; lymphocytes; macrophages; nontarget effects; nontarget organisms; **reviews**; risk assessment ; thiophanate-methyl
Identifiers: adrenals; lipins; methyl thiophanate; Podarcis; Podarcis sicula; Salamandridae; Triturus; Triturus carnifex
CAS Registry Numbers: 52-39-1; 50-22-6; 23564-05-8
Organism Descriptors: Caudata; Sauria
Broader Terms: Amphibia; vertebrates; Chordata; animals; eukaryotes; Lacertidae; Sauria; **reptiles**; Caudata
CABICodes: Pesticide and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Physiology and Biochemistry (Wild Animals), (New March 2000) (YY400); **Toxicology** and **Poisoning** (Wild Animals), (New March 2000) (YY900)

7/9/3 (Item 3 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009451470 **CAB Accession Number:** 20083021837
Review on safety of the entomopathogenic fungus Metarhizium anisopliae .

Zimmermann, G.
Author email address: gisbert.zimmermann@gmx.net
Federal Biological Research Centre for Agriculture and Forestry, Institute for Biological Control, Heinrichstrasse 243, D-64287 Darmstadt, Germany.
Biocontrol Science and Technology vol. 17 (9/10): p.879-920
Publication Year: 2007
ISSN: 0958-3157
Publisher: Taylor & Francis Abingdon , UK
Language: English **Record Type:** Abstract
Document Type: Journal article
The entomopathogenic fungus Metarhizium anisopliae (Metschn.) Sorokin is widely used for biocontrol of pest insects, and many commercial products are on the market or under development. The aim of this review is to summarise all relevant safety data of this fungus, which are necessary for the commercialisation and registration process. The review contains the following sections: (1) identity, (2) biological properties (history, natural occurrence and geographical distribution, host range, mode of action, production of metabolites/toxins, effect of environmental factors), (3) methods to determine and quantify residues, (4) fate and behaviour in the environment (mobility and persistence in air, water and soil), (5) effects on non-target organisms (microorganisms, plants, soil organisms, aquatic organisms, predators, parasitoids, honey bees, earth worms, etc.), (6) effects on vertebrates (fish, amphibia, **reptiles**, and birds), and (7) effects on mammals and human health (allergy, pathogenicity/**toxicity**). On the basis of the presented knowledge, M. anisopliae is considered to be safe with minimal risks to vertebrates, humans and the environment. many ref.

Descriptors: allergies; biological control agents; biosafety; entomogenous fungi; entomopathogens; environmental factors; geographical distribution; host range; mode of action; nontarget organisms; pathogenicity; **reviews**; secondary metabolites; **toxicity**
Identifiers: biocontrol agents; biological control organisms; Hyphomycetes
Organism Descriptors: Metarhizium anisopliae
Broader Terms: Metarhizium; Deuteromycotina; Eumycota; fungi; eukaryotes
CABICodes: Biological Control (HH100); **Pesticide** and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Meteorology and Climate (PP500); Biological Resources (General) (PP700); Pathogens, Parasites and Infectious Diseases (Wild Animals), (New March 2000) (YY700); Biochemistry and Physiology of Microorganisms, (New March 2000) (ZZ394)

7/9/4 (Item 4 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009334499 **CAB Accession Number:** 20073203574
Review on safety of the entomopathogenic fungi Beauveria bassiana and Beauveria brongniartii .

Zimmermann, G.
Author email address: gisbert.zimmermann@gmx.net
Federal Biological Research Centre for Agriculture and Forestry, Institute for Biological Control, Heinrichstrasse 243, D-64287 Darmstadt, Germany.

Biocontrol Science and Technology vol. 17 (5/6): p.553-596
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ISSN: 0958-3157
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Language: English **Record Type:** Abstract
Document Type: Journal article
The commercial use of entomopathogenic fungi and their products as mycoinsecticides necessitates their registration. Worldwide, several registration guidelines are available, however, most of them focus on similar or even the same safety issues. With respect to the two entomopathogenic fungi, Beauveria bassiana (Bals.-Criv.) Vuill. and Beauveria brongniartii (Sacc.) Petch, many commercial products have been developed, and numerous papers on different biological, environmental, **toxicological** and other safety aspects have been published during the past 30-40 years. The aim of the present review is to summarise these data. The following safety issues are presented: (1) identity of Beauveria spp.; (2) biological properties of Beauveria spp. (history, natural occurrence and geographical distribution, host range, mode of action, production of metabolites/toxins, effect of environmental factors); (3) analytical methods to determine and quantify residues; (4) fate and behaviour in the environment (mobility and persistence in air, water and soil); (5) effects on non-target organisms (non-target microorganisms, plants, soil organisms, aquatic organisms, predators, parasitoids, honey bees, earth worms and nontarget arthropods); (6) effects on vertebrates (fish, amphibia, **reptiles** and birds); and (7) effects on mammals and human health. Based on the present knowledge it is concluded that both Beauveria species are considered to be safe. many ref.

Descriptors: biological control agents; entomogenous fungi; entomopathogens; environmental impact; fungal **insecticides**; honey bees; host range; nontarget effects; nontarget organisms; parasitoids
Identifiers: Beauveria brogniartii; biocontrol agents; biological control organisms; environmental effects; honeybees; Hyphomycetes
Organism Descriptors: Beauveria bassiana; Beauveria brongniartii
Broader Terms: Beauveria; Deuteromycotina; Eumycota; fungi; eukaryotes; Apis; Apidae; Hymenoptera; insects; Hexapoda; arthropods; invertebrates; animals
CABICodes: Biological Control (HH100); **Pesticide** and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Apiculture (LL010); Aquatic Biology and Ecology (MM300); Pathogens, Parasites and Infectious Diseases (Wild Animals), (New March 2000) (YY700); **Toxicology** and **Poisoning** (Wild Animals), (New March 2000) (YY900)

7/9/5 (Item 5 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009096589 **CAB Accession Number:** 20063149471
The impact of brodifacoum on non-target wildlife: gaps in knowledge.

Hoare, J. M.; Hare, K. M.
Author email address: joanne.hoare@vuw.ac.nz
School of Biological Sciences, Victoria University of Wellington, P.O. Box 600, Wellington, New Zealand.
New Zealand Journal of Ecology vol. 30 (2): p.157-167
Publication Year: 2006
ISSN: 0110-6465
Publisher: New Zealand Ecological Society Christchurch , New Zealand
Language: English **Record Type:** Abstract
Document Type: Journal article
Anticoagulant poisons, especially the second-generation anticoagulant brodifacoum, are used worldwide to eradicate pest mammals from high priority nature sites. However, the potency and persistence of brodifacoum may present threats to non-target species. In New Zealand, most

ecosystems lack native terrestrial mammals; instead, birds, **reptiles** and invertebrates fulfil key ecosystem roles. Introduced mammals represent the biggest threat to persistence of native species. Therefore, in addition to use in eradications, brodifacoum is often continuously supplied in ecosystems for pest mammal control and detection of mammalian reinvasions, creating a potential long-term risk of **poisoning** to non-target species. We reviewed literature concerning brodifacoum effects on non-target native fauna in New Zealand as a framework for discussing current research requirements. Birds and their invertebrate prey have, to date, been the focal taxa of such empirical studies (26 species and 11 orders studied, respectively). Brodifacoum is linked to both **mortality** and sub-lethal contamination in native birds, and the **toxicant** is consumed by a range of native invertebrates. **Reptiles**, amphibians, bats and aquatic invertebrates are considered at low risk of anticoagulant **poisoning** and are not routinely included in risk assessments. However, recent field evidence demonstrates that native geckos consume brodifacoum bait. **Reptiles** are often abundant on mammal-free offshore islands where brodifacoum is used persistently as a simultaneous rodent detection and killing strategy. Ectothermic vertebrates, though at low risk of **toxicosis** themselves, may act as vectors of brodifacoum and create a risk of secondary **poisoning** to native birds. The effectiveness of using poison bait to protect mammal-free ecosystems is uncertain, due to the abundance of alternative food supplies available to an invading rodent. However, where sustained brodifacoum use is deemed appropriate, the role of **reptiles** as consumers and vectors of anticoagulant poison should be a research priority.   many ref.

Descriptors: aquatic invertebrates; brodifacoum; **mortality**; nontarget effects; nontarget organisms; **poisoning**; predators; predatory birds; **reviews**; rodent control; **sublethal** effects; **toxic** substances
Identifiers: birds of prey; death rate; poisons; raptors; **toxicosis**
Organism Descriptors: Amphibia; birds; Chiroptera; Gekkonidae; **reptiles**
Geographic Names: New Zealand
Broader Terms: vertebrates; Chordata; animals; eukaryotes; mammals; small mammals; Sauria; **reptiles**; Australasia; Oceania; Developed Countries; Commonwealth of Nations; OECD Countries
CABICodes: Pesticide and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Aquatic Biology and Ecology (MM300); **Toxicology** and **Poisoning** (Wild Animals), (New March 2000) (YY900); Animal Ecology (ZZ332)

7/9/6 (Item 6 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008910394   **CAB Accession Number:** 20053167129
Lizards used as bioindicators to monitor pesticide contamination in sub-Saharan Africa: a review.

Lambert, M. R. K.
Author email address: ahailey@fsa.uwi.tt
Natural Resources Institute, University of Greenwich at Medway, Central Avenue, Chatham Maritime, Kent ME4 4TB, UK.
Applied Herpetology vol. 2 (2): p.99-107
Publication Year: 2005
ISSN: 1570-7539
Digital Object Identifier: 10.1163/1570754043492108
Publisher: Brill Academic Publishers   Leiden , Netherlands
Language: English   **Record Type:** Abstract
Document Type: Journal article
To monitor the environmental effects of **pesticides**, population and community metrics for **lizards** (e.g., species composition, relative density, percentage niche occupied) should be recorded before and after applications, or compared between treated and untreated areas, in parallel with samples collected for laboratory residue analysis. In monitoring studies focused on **lizard** habitat, numerically predominant **lizard** species may be identified from preliminary field surveys, and subsequently used as

bioindicators. **Lizards** will be especially useful as **bioindicators** during dry seasons or in arid regions lacking amphibians. Characteristics of **lizards** making them suitable for use as **bioindicators** of **pesticides** and other environmental contaminants are reviewed. 20 ref.

Descriptors: arid zones; biological indicators; characteristics; contaminants; contamination; dry season; **pesticide** residues; **pesticides** ; pollutants; **reviews**; species diversity; species richness
Identifiers: arid regions
Organism Descriptors: lizards
Geographic Names: Africa
Broader Terms: Sauria; **reptiles**; vertebrates; Chordata; animals; eukaryotes
CABICodes: Pesticide and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Pollution and Degradation (PP600); **Toxicology** and **Poisoning** (Wild Animals), (New March 2000) (YY900); Animal Ecology (ZZ332)

7/9/7 (Item 7 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008833152 **CAB Accession Number:** 20053078145
Gnathostomiasis.
Original Title: La gnathostomose.
Parola, P.; Caumes, E.
Author email address: philippe.parola@medecine.univ-mrs.fr
Laboratoire de Parasitologie et Mycologie, INSERM U399, Faculte de Medecine, 27 Bd. Jean Moulin, 13385 Marseille Cedex 5, France.
Medecine Tropicale vol. 65 (1): p.9-12
Publication Year: 2005
ISSN: 0025-682X
Publisher: IMTSSA Marseilles Armees , France
Language: French **Summary Language:** English **Record Type:** Abstract
Document Type: Journal article
Gnathostomiasis is a zoonotic nematode infection endemic in Asia (mainly in Southeastern Asia) and Latin America that has been increasingly reported among travellers returning from these areas. The infection is mainly due to the consumption of raw or half-cooked meat (of fowls, **snakes**, frogs, or fishes) contaminated with Gnathostoma larvae. Gnathostomiasis can manifest as cutaneous or visceral larva migrans. This paper discusses the parasitological, epidemiological, clinical, and therapeutic aspects of gnathostomiasis. 16 ref.

Descriptors: anthelmintics; clinical aspects; disease prevalence; disease transmission; drug therapy; epidemiology; food contamination; foodborne diseases; gnathostomiasis; human diseases; life cycle; meat; nematode larvae; poultry; raw foods; **reviews**; travellers; zoonoses
Identifiers: chemotherapy; chickens; clinical picture; domesticated birds; food contaminants; Secernentea; Spirurida; zoonotic infections
Organism Descriptors: fishes; fowls; frogs; Gnathostoma; man; **snakes**
Broader Terms: vertebrates; Chordata; animals; aquatic organisms; aquatic animals; eukaryotes; Gallus gallus; Gallus; Phasianidae; Galliformes; birds; poultry; Anura; Amphibia; Gnathostomatidae; Nematoda; invertebrates; Homo; Hominidae; Primates; mammals; **reptiles**
CABICodes: Pesticides and Drugs; Control, (New March 2000) (HH405); Protozoan, Helminth, Mollusc and Arthropod Parasites of Animals, (New March 2000) (LL822); Meat Produce (QQ030); Food Contamination, Residues and **Toxicology** (QQ200); Protozoan, Helminth and Arthropod Parasites of Humans, (New March 2000) (VV220); Reproduction, Development and Life Cycle (Wild Animals), (New March 2000) (YY200); Pathogens, Parasites and Infectious Diseases (Wild Animals), (New March 2000) (YY700)

7/9/8 (Item 8 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008426449 **CAB Accession Number:** 20033050035
Using chorioallantoic membranes for non-lethal assessment of persistent organic pollutant exposure and effect in oviparous wildlife.

Cobb, G. P.; Bargar, T. A.; Pepper, C. B.; Norman, D. M.; Houlis, P. D.; Anderson, T. A.
Author email address: george.cobb@tiehh.ttu.edu
The Institute of Environmental and Human Health, Texas Tech University, Lubbock, TX 79416, USA.
Ecotoxicology vol. 12 (1): p.31-45
Publication Year: 2003
ISSN: 0963-9292
Digital Object Identifier: 10.1023/A:1022532711353
Publisher: Kluwer Academic Publishers Dordrecht , Netherlands
Language: English **Record Type:** Abstract
Document Type: Journal article
David Peakall and co-workers pioneered innovative approaches that utilized extra-embryonic membranes to assess accumulation of organochlorine **pesticides** in eggs. This technique provided the foundation for an entire line of research to improve non-lethal methods for assessing contaminant exposure in oviparous wildlife. Currently, analysis of chorioallantoic membranes (CAMs) provides predictable estimates of chlorinated contaminant presence in eggs and in maternal tissues. Field studies have been conducted with herons, stilts, **alligators**, **crocodiles**, and sea **turtles** . Controlled dose-response studies have been completed in chickens. The following manuscript presents the foundations for the CAM approach and a review of research findings involving this technique.

Descriptors: animal tissues; chorioallantoic membrane; eggs; exposure; organochlorine **pesticides**; persistence; pollutants; poultry; **reviews**; risk assessment
Identifiers: chickens; domesticated birds; Himantopus himantopus leucephalus; organic chlorine **pesticides**
Organism Descriptors: Alligatoridae; Ardeidae; **crocodiles**; fowls; **turtles**
Broader Terms: Crocodylia; **reptiles**; vertebrates; Chordata; animals; eukaryotes; Ciconiiformes; birds; Gallus gallus; Gallus; Phasianidae; Galliformes; poultry; Testudines
CABICodes: Pesticide and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Pollution and Degradation (PP600); Anatomy and Morphology (Wild Animals), (New March 2000) (YY100); Physiology and Biochemistry (Wild Animals), (New March 2000) (YY400); **Toxicology** and **Poisoning** (Wild Animals), (New March 2000) (YY900)

7/9/9 (Item 9 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008298016 **CAB Accession Number:** 20023078155
Wildlife exposure to organophosphorus insecticides.

Sanchez-Hernandez, J. C.
Department of Environmental Science, University of Castilla-La Mancha, Avda. Carlos III s/n, 45071, Toledo, Spain.
Reviews of Environmental Contamination and Toxicology vol. 172 p.21-63
Publication Year: 2001
ISSN: 0179-5953

Publisher: Springer-Verlag New York Inc. New York , USA
ISBN: 0-387-95299-3
Language: English **Record Type:** Abstract
Document Type: Journal article

Laboratory and field studies have shown that cholinesterase (ChE) inhibition continue to be a reliable biological indicator of organophosphorus (OP) **pesticide** pollution. More recent data concerning the use of acetylcholinesterase (AChE) and butyrylcholine esterase [cholinesterase] (BChE) activities as exposure-effect indicators in nonmammalian vertebrates are reviewed. Some important OP-related characteristics of ChEs such as their sensitivity and recovery time following exposure are summarized for the most common species used as **bioindicators** . Brain AChE of all studied organisms, muscle AChE activity of aquatic invertebrates, and blood ChE of fish and **lizards** present a slow recovery time, in terms of weeks. Conversely, avian blood ChE activity displays a short recovery time, within a few hours. The rapid recovery time of these ChE activities suggests that their use for detecting anti-ChE chemicals in the field cannot be suitable in a long enough sampling period following OP exposure. As has been stressed in other recent reviews regarding environmental pollution related to amphibians/**reptiles**, here is also underlined the need for **toxicological** data from herpetofauna OP exposure and the development of nonlethal methods for assessing this exposure in the field (e.g., blood ChE). Despite the great volume of laboratory investigations on ChE inhibition of aquatic organisms, very few field studies have validated its use as an OP exposure index. The real application of ChE inhibition in aquatic organisms is discussed in view of the relatively short half-lives that OPs present in aquatic environments. Likewise, several practical approaches for simulating field OP exposure in the laboratory (pulse exposure regimens) and in field situations (measurement of ChE inhibition in organisms before and after controlled OP applications or use of caged organisms) are also discussed. Finally, several studies have questioned the "specific" character commonly attributed to ChEs. A broad range of chemicals (metals, certain detergents, and pyrethroid **insecticides**) other than the classic anti-ChE **pesticides** can inhibit in vitro ChE activity. It is suggested, therefore, that the use of this biochemical parameter as a pollutant exposure indicator should be extended. many ref.

Descriptors: acetylcholinesterase; aquatic environment; aquatic organisms; cholinesterase; enzyme activity; enzymes; exposure; half life; indicators; nontarget effects; nontarget organisms; organophosphorus **insecticides**; recovery; **reviews**; wildlife
CAS Registry Numbers: 9000-81-1; 9001-08-5
CABICodes: Pesticide and Drug Residues and **Ecotoxicology**, (New March 2000) (HH430); Aquatic Biology and Ecology (MM300); Pollution and Degradation (PP600)

7/9/10 (Item 10 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008284760 **CAB Accession Number:** 20023091135
Reproductive losses to poisonous plants: influence of management strategies.

Panter, K. E.; James, L. F.; Gardner, D. R.; Ralphs, M. H.; Pfister, J. A.; Stegelmeier, B. L.; Lee, S. T.
Poisonous Plant Research Laboratory, Agricultural Research Service, USDA, Logan, UT 84341, USA.
Journal of Range Management vol. 55 (3): p.301-308
Publication Year: 2002
ISSN: 0022-409X
Publisher: Society for Range Management Lakewood , USA
Language: English **Summary Language:** Spanish **Record Type:** Abstract
Document Type: Journal article
Poisonous plants that impair normal reproductive functions in livestock include Veratrum californicum , lupines, ponderosa pine (Pinus ponderosa), broom **snakeweed** (Gutierrezia sarothrae), locoweeds (Astragalus and Oxytropis spp.), selenium-containing forages, phytoestrogenic plants, endophyte-infected grasses, and others. In this review, we focus on lupines, locoweeds, and ponderosa pine

needles to demonstrate the broad and diverse effects that poisonous plants have on reproduction. Certain lupines (Lupinus spp.) contain quinolizidine and piperidine alkaloids that are fetotoxic and when grazed by pregnant cattle during specific stages of gestation induce skeletal birth defects and cleft palate, "crooked calf disease". Poison-hemlock (Conium maculatum) and some Nicotiana spp. contain similar alkaloids and induce identical birth defects in cattle, pigs, goats, and sheep when ingested at certain stages of gestation. Locoweeds (species of the Astragalus and Oxytropis genera containing the indolizidine alkaloid swainsonine) interfere with most processes of reproduction when grazed for prolonged periods of time. Animals can recover normal reproductive function if withdrawn from locoweed grazing before severe **poisoning** occurs. While most animals may recover reproductive function, permanent neurological deficits may preclude normal reproductive behaviour. Ponderosa and lodgepole pine needles (Pinus spp.) cause abortion in cattle when grazed during the last trimester of gestation. The specific chemical constituents responsible for the abortions belong to a class of compounds called labdane resin acids, including isocupressic acid (ICA), succinyl ICA, and acetyl ICA. Basic management recommendations to reduce reproductive losses to poisonous plants include: (1) keep good records; (2) know what poisonous plants grow on ranges and understand their effects; (3) develop a management plan to provide for alternate grazing in poisonous plant-free pastures during critical times; (4) provide for balanced nutrition, including protein, energy, minerals and vitamins; (5) maintain a good herd health program; (6) integrate an **herbicide** treatment programme to reduce poisonous plant populations or to maintain clean pastures for alternate grazing; and (7) manage the range for maximum forage production. many ref.

Descriptors: behaviour; **herbicides**; indolizidine alkaloids; livestock; piperidine alkaloids; poisonous plants; pregnancy; preventive nutrition; quinolizidine alkaloids; reproduction; reproductive behaviour; reproductive disorders; reproductive performance; resin acids; **reviews**; teratogenesis; therapy; **toxicity**
Identifiers: behavior; gestation; reproductive behavior; therapeutics; **toxic** plants; weedicides; weedkillers
Organism Descriptors: Astragalus; Lupinus; Oxytropis; plants
Broader Terms: Papilionoideae; Fabaceae; Fabales; dicotyledons; angiosperms; Spermatophyta ; plants; eukaryotes
CABICodes: Weeds and Noxious Plants (FF500); Non-communicable Diseases and Injuries of Animals (LL860); **Toxicology** and **Poisoning** of Animals, (New March 2000) (LL950)

7/9/11 (Item 11 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008077345 **CAB Accession Number:** 20013089757
Review of the effects of organophosphorus and carbamate insecticides on vertebrates. Are there implications for locust management in Australia?

Story, P.; Cox, M.
Australian Plague Locust Commission, GPO Box 858, Canberra, ACT 2601, Australia.
Wildlife Research vol. 28 (2): p.179-193
Publication Year: 2001
ISSN: 1035-3712
Digital Object Identifier: 10.1071/WR99060
Publisher: CSIRO Publishing Collingwood , Australia
Language: English **Record Type:** Abstract
Document Type: Journal article
The Australian Plague Locust Commission uses the organophosphorus **insecticide** fenitrothion to control locust population increases across 2 000 000 km SUP 2 of eastern Australia. Although the impact of fenitrothion on non-target invertebrates has been studied, effects on vertebrates are largely unquantified. Lethal and **sublethal** impacts on vertebrates are a consequence of the use of organophosphorus and carbamate **insecticides** . Information detailing the effects of exposure on free-

living animals, particularly for herpetofauna, is lacking. This paper reviews literature concerned with the impacts of organophosphorus and carbamate **insecticides** on terrestrial vertebrates and highlights the need for continued research into the effects of these chemicals, especially in Australia. 121 ref.

Descriptors: carbamate **pesticides**; fenitrothion; nontarget effects; organophosphorus **insecticides**; pest control; **reviews**
CAS Registry Numbers: 122-14-5
Organism Descriptors: Acrididae; invertebrates; locusts; **reptiles**; vertebrates
Geographic Names: Australia
Broader Terms: Acrididae; Orthoptera; insects; Hexapoda; arthropods; invertebrates; animals; eukaryotes; vertebrates; Chordata; Australasia; Oceania; Developed Countries; Commonwealth of Nations; OECD Countries
CABICodes: Pesticides and Drugs; Control, (New March 2000) (HH405); **Toxicology** and **Poisoning** (Wild Animals), (New March 2000) (YY900)

7/9/12 (Item 12 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007794673 **CAB Accession Number:** 19992214861
Ponderosa pine and broom snakeweed: poisonous plants that affect livestock.

Gardner, D. R.; James, L. F.; Panter, K. E.; Pfister, J. A.; Ralphs, M. H.; Stegelmeier, B. L.
USDA/ARS/Poisonous Plant Research Laboratory, Logan, UT 84341, USA.
Conference Title: Special issue on Poisonous Plant Research Laboratory, Logan, Utah.
Journal of Natural Toxins vol. 8 (1): p.27-34
Publication Year: 1999
ISSN: 1058-8108
Language: English **Record Type:** Citation
Document Type: Journal article
54 ref.

Descriptors: abortion; **herbicides**; livestock; **poisoning**; poisonous plants; prevention; **reviews**; weed control; weeds
Identifiers: gutierrezia microcephala; **toxic** plants; **toxicosis**; weedicides ; weedkillers
Organism Descriptors: cattle; goats; Gutierrezia sarothrae; Pinus ponderosa; plants; sheep
Broader Terms: Pinus; Pinaceae; Pinopsida; gymnosperms; Spermatophyta; plants; eukaryotes; Gutierrezia; Asteraceae; Asterales; dicotyledons; angiosperms; Bos; Bovidae; ruminants; Artiodactyla; mammals; vertebrates; Chordata; animals; ungulates; Ovis; Capra
CABICodes: Weeds and Noxious Plants (FF500); Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900)

7/9/13 (Item 13 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007742506 **CAB Accession Number:** 19990504334
Organochlorine insecticide residues in African fauna: 1971-1995.

Wiktelius, S.; Edwards, C. A.
Swedish University of Agricultural Sciences, PO Box 7044, S-750 07 Uppsala, Sweden.
Reviews of Environmental Contamination and Toxicology vol. 151 p.1-37

Publication Year: 1997
ISSN: 0179-5953
ISBN: 0-387-98238-8
Language: English **Record Type:** Abstract
Document Type: Book chapter; Journal article
A review of organochlorine **insecticide** residue presence in Africa is presented. Means by which the residues occur, surveying techniques and relative organochlorine concentrations in aquatic invertebrates, fishes, birds' eggs, birds, **crocodile** eggs, and a variety of mammals, and other vertebrates are given. The most prominent organochlorine **insecticides** were dieldrin and DDT. 6 pp. of ref.

Descriptors: aquatic invertebrates; DDT; dieldrin; eggs; **insecticide** residues; organochlorine **insecticides**; **poisoning**; **reviews**; surveys; wild animals
Identifiers: dicophane; **toxicosis**
CAS Registry Numbers: 50-29-3; 60-57-1
Organism Descriptors: birds; **crocodiles**; fishes; mammals
Geographic Names: Africa
Broader Terms: vertebrates; Chordata; animals; aquatic organisms; aquatic animals; eukaryotes; Crocodylia; **reptiles**
CABICodes: Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900); Pollution and Degradation (PP600); Biological Resources (Animal) (PP710)

7/9/14 (Item 14 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007615933 **CAB Accession Number:** 19982216208
Dosages of antibiotics and antiparasitic agents used in exotic animals.
Original Title: Il dosaggio degli antibiotici e degli antiparassitari utilizzati negli animali esotici.
Jacobson, E.; Kollias, G. V., Jr.; Peters, L. J.
Veterinaria (Cremona) vol. 12 (3): p.79-86
Publication Year: 1998
ISSN: 0394-3151
translated from Compendium Collection (1991) 5, No. 4.
Language: Italian **Record Type:** Citation
Document Type: Journal article

Descriptors: antibiotics; antiparasitic agents; dosage; drug therapy; **reviews**; zoo animals
Identifiers: chemotherapy; guinea pigs; parasiticides
Organism Descriptors: guineapigs; hamsters; mice; rabbits; rats; **reptiles**; rodents; **snakes**
Broader Terms: vertebrates; Chordata; animals; eukaryotes; **reptiles**; Cavia; Caviidae; rodents; mammals; Cricetinae; Muridae; small mammals; Leporidae; Lagomorpha
CABICodes: Pesticides and Drugs (General) (HH400); Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900)

7/9/15 (Item 15 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007480499 **CAB Accession Number:** 19980500515
Some medicines of animal origin with special reference to insects.

Qureshi, S. A.; Abid Askari

PCSIR Laboratories Complex, Off University Road, Karachi-75280, Pakistan.
Hamdard Medicus vol. 39 (3): p.41-49
Publication Year: 1996
ISSN: 0250-7196
Language: English **Record Type:** Abstract
Document Type: Journal article
The homeopathic drugs obtained from animals and insects are arranged alphabetically in table form, and allopathic and homeopathic drugs from insects are described. 15 ref.

Descriptors: allantoin; cantharidin; drugs; homeopathic drugs; **reviews**; traditional medicines
Identifiers: allopathic drugs; Blattodea; ethnoentomology; medicines; pharmaceuticals
CAS Registry Numbers: 56-25-7; 97-59-6
Organism Descriptors: animals; Aphididae; Apidae; Araneae; Blattaria; Chrysomelidae; Cimex; Coccinellidae; Coleoptera; Formicidae; insects; invertebrates; man; Meloidae; Orthoptera; **reptiles**; **snakes**; Vespidae
Broader Terms: eukaryotes; Hexapoda; arthropods; invertebrates; animals; Homo; Hominidae; Primates; mammals; vertebrates; Chordata; Arachnida; **reptiles**; Cimicidae; Heteroptera; Hemiptera; insects; Blattaria; Dictyoptera; Coleoptera; Aphidoidea; Sternorrhyncha; Homoptera; Hymenoptera
CABICodes: Biological Resources (Animal) (PP710); **Pesticides** and Drugs (General) (HH400); Human **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (VV800)

7/9/16 (Item 16 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007455129 **CAB Accession Number:** 19972010373
Cases of poisoning in Zimbabwe: a review.

Nhachi, C. F. B.
Zimbabwe Science News vol. 30 (4): p.101-104
Publication Year: 1996
Language: English **Record Type:** Abstract
Document Type: Journal article
The pattern of **poisoning** in Zimbabwe during 1980-90 is described, including chemicals associated with **poisoning**, distribution of **poisoning** admission cases by age group, and an analysis of **poisoning** cases by therapeutic drugs. Organophosphate **poisoning**, **snake** bites and food **poisoning** (including mushroom **poisonings**) are also discussed. 15 ref.

Descriptors: epidemiology; food **poisoning**; mycetism; organophosphorus compounds; **pesticides**; **poisoning**; poisonous fungi; **reviews**; **snake** bites
Identifiers: mushroom **poisoning**; organic phosphorus compounds; organophosphates; **toxicosis**
Organism Descriptors: man
Geographic Names: Zimbabwe
Broader Terms: Homo; Hominidae; Primates; mammals; vertebrates; Chordata; animals; eukaryotes; Southern Africa; Africa South of Sahara; Africa; Developing Countries; ACP Countries; Commonwealth of Nations; SADC Countries; Anglophone Africa
CABICodes: Human **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (VV800); **Pesticides** and Drugs (General) (HH400); Food Contamination, Residues and **Toxicology** (QQ200); Parasites, Vectors, Pathogens and Biogenic Diseases of Humans, (Discontinued March 2000) (VV200)

7/9/17 (Item 17 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007400294 **CAB Accession Number:** 19972211456
Pharmacology and toxicology special issue.

Jacksonville Zoological Gardens, 8605 Zoo Road, Jacksonville, Florida 32218-5799, USA.
Journal of Zoo and Wildlife Medicine vol. 28 (1): p.1-113
Publication Year: 1997
ISSN: 1042-7260
Editors: Page, C. D.; Papich, M. G
Language: English **Record Type:** Abstract
Document Type: Miscellaneous
This special issue contains articles on pharmacology and **toxicology** in a variety of zoo and wild mammals, birds, **reptiles**, and fish. These include 3 reviews articles, 10 papers and 3 case reports. Topics covered are enrofloxacin in emus, oryx, and pythons, amikacin in emus, red-tailed hawks and pythons, itraconazole in **lizards** and milbemycin in angelfish. The case reports are on **poisoning** by zinc in a Celebes ape, red maple in zebras, and lead in snapping **turtles** .

Descriptors: amikacin; antibiotics; case reports; enrofloxacin; itraconazole; lead; mercury; organochlorine **pesticides**; pharmacokinetics; pharmacology; poisonous plants; **reviews**; **toxicology**; wild animals; zinc; zoo animals
Identifiers: angelfish; organic chlorine **pesticides**; **toxic** plants
CAS Registry Numbers: 37517-28-5; 39831-55-5; 93106-60-6; 7439-92-1; 7439-97-6; 7440-66-6
Organism Descriptors: alligator; emus; hawks; **lizards**; oryx; plants; pongidae; **snakes**; **turtles**
Broader Terms: Alligatoridae; Crocodylia; **reptiles**; vertebrates; Chordata; animals; eukaryotes; Dromaius; Dromaiidae; Casuariiformes; birds; Accipitridae; Falconiformes; Sauria; Bovidae; ruminants; Artiodactyla; mammals; ungulates; Primates; Testudines
CABICodes: Collections (CC400); Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900); Zoo Animals (LL080); Biological Resources (Animal) (PP710)

7/9/18 (Item 18 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007395590 **CAB Accession Number:** 19970502786
Animal venoms and insect toxins as lead compounds in the design of agrochemicals - especially insecticides.

Blagbrough, I. S.; Moya, E.
School of Pharmacy and Pharmacology, University of Bath, Claverton Down, Bath BA2 7AY, UK.
Crop protection agents from nature: natural products and analogues.
p.329-359
Publication Year: 1996
Critical Reports on Applied Chemistry Volume 35
Editors: Copping, L. G.
Publisher: Royal Society of Chemistry Cambridge , UK
ISBN: 0-85404-414-0
Language: English **Record Type:** Citation
Document Type: Miscellaneous
87 ref.

Descriptors: chemistry; **insecticides**; **pesticides**; **reviews**; structure activity relationships; toxins;

venoms
Identifiers: venom
Organism Descriptors: Amphibia; Arachnida; Araneae; arthropods; Chilopoda; Cnidaria; Coleoptera; Diplopoda; Formicidae; Hymenoptera; **lizards**; Mollusca; Octopodidae; Scorpiones
Broader Terms: invertebrates; animals; eukaryotes; Cephalopoda; Mollusca; aquatic animals; aquatic organisms; vertebrates; Chordata; Sauria; **reptiles**; Arachnida; arthropods; Myriapoda; insects; Hexapoda; Hymenoptera
CABICodes: Biological Resources (Animal) (PP710); **Pesticides** and Drugs (General) (HH400); Animal Physiology and Biochemistry (Excluding Nutrition) (LL600); Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900); General Biochemistry, (Discontinued March 2000) (ZZ350); Chemistry, (Discontinued March 2000) (ZZ600)

7/9/19 (Item 19 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007198501 **CAB Accession Number:** 19962205576
Drug therapy for reptiles.
Original Title: Arzneimitteltherapie bei Reptilien.
Ehmann, S.
165 pp.
Publication Year: 1995
Publisher: Tierarztliche Fakultat, Ludwig-Maximilians-Universitat, Munchen Germany
Language: German **Summary Language:** English **Record Type:** Citation
Document Type: Thesis
29 pp. of ref.

Descriptors: anaesthetics; antiinfective agents; antiparasitic agents; dosage; drug therapy; **reviews**
Identifiers: anesthetics; antimicrobials; chemotherapy; parasiticides
Organism Descriptors: reptiles; **snakes**; Testudines
Broader Terms: reptiles; vertebrates; Chordata; animals; eukaryotes
CABICodes: Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900); **Pesticides** and Drugs (General) (HH400); Parasites, Vectors, Pathogens and Biogenic Diseases of Animals, (Discontinued March 2000) (LL820); Non-communicable Diseases and Injuries of Animals (LL860)

7/9/20 (Item 20 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007166551 **CAB Accession Number:** 19961101388
Review of the toxicity and impacts of brodifacoum on non-target wildlife in New Zealand.

Eason, C. T.; Spurr, E. B.
Manaaki Whenua - Landcare Research, P.O. Box 69, Lincoln, New Zealand.
New Zealand Journal of Zoology vol. 22 (4): p.371-379
Publication Year: 1995
ISSN: 0301-4223
Language: English **Record Type:** Abstract
Document Type: Journal article
The literature on the **toxicity** and **sublethal** effects of brodifacoum on nontarget species, particularly birds, is reviewed. Animals are identified that may be put at risk by the use of brodifacoum in cereal-

based baits for pest control in forests, on agricultural land and on offshore islands in New Zealand. The review concentrates on birds, **reptiles** and amphibians. The risks to nontarget species of **poisoning** operations using brodifacoum in cereal based baits are assessed by considering their distribution, feeding habits and likelihood of eating **toxic** baits. 44 refs.

Descriptors: baits; brodifacoum; nontarget effects; pest control; rodenticides; **toxicity**; wildlife
Organism Descriptors: birds; fishes; **reptiles**
Geographic Names: New zealand
Broader Terms: vertebrates; Chordata; animals; eukaryotes; aquatic organisms; aquatic animals; Australasia; Oceania; Developed Countries; Commonwealth of Nations; OECD Countries
CABICodes: Pesticides and Drugs (General) (HH400)

7/9/21 (Item 21 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006742237 **CAB Accession Number:** 19930517255
Assessing effects of pesticides on amphibians and reptiles: status and needs.

Hall, R. J.; Henry, P. F. P.
U.S. Fish and Wildlife Service, Mail Stop 725, ARLSQ, 1849 C Street, N.W. Washington, DC 20240, USA.
Herpetological Journal vol. 2 (3): p.65-71
Publication Year: 1992
ISSN: 0268-0130
Language: English **Record Type:** Abstract
Document Type: Journal article
Growing concern about the decline of certain amphibians and **reptiles** has led to renewed awareness of problems from **pesticides**. Testing amphibians and **reptiles** as a requirement for chemical registration has been proposed but is difficult because of the phylogenetic diversity of these groups. Information from the literature and research may determine whether amphibians and **reptiles** are adequately protected by current tests for mammals, birds and fish. Existing information indicates that amphibians are unpredictably more resistant to certain cholinesterase inhibitors, and more sensitive to 2 chemicals used in fishery applications than could have been predicted. A single study on a species of **lizard** suggests that **reptiles** may be close in sensitivity to mammals and birds. Research on effects of **pesticides** on amphibians and **reptiles** should compare responses to currently tested groups and should seek to delineate those taxa and chemicals for which cross-group prediction is not possible. New tests for amphibians and **reptiles** should rely to the greatest extent possible on existing data bases, and should be designed for maximum economy and minimum harm to test animals. A strategy for developing the needed information is proposed. Good field testing and surveillance of chemicals in use may compensate for failures of predictive evaluations and may ultimately lead to improved tests. 37 ref.

Descriptors: agricultural entomology; effects; **Insecticides**; nontarget effects; **pesticides**; **reviews**; Risk assessment; **Toxicity**; **Toxicology**
Organism Descriptors: Amphibia; **Reptiles**
Broader Terms: vertebrates; Chordata; animals; eukaryotes
CABICodes: Pesticides and Drugs (General) (HH400); Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900)

7/9/22 (Item 22 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006625115 **CAB Accession Number:** 19922276737
Therapeutics.

Pokras, M. A.; Sedgwick, C. J.; Kaufman, G. E.
Manual of **reptiles.**.
p.194-206
Publication Year: 1992
Editors: Benyon, P.H.; Lawton, M.P.C.; Cooper. J.E.
Publisher: British Small Animal Veterinary Association Cheltenham, GL51 5TQ , UK
ISBN: 0-905214-19-6
Language: English **Record Type:** Citation
Document Type: Miscellaneous
52 ref.

Descriptors: Body temperature; Dosage; Drug therapy; Fluid therapy; Pharmacology; **Reviews**
Identifiers: chemotherapy; rehydration therapy
Organism Descriptors: Reptiles; Sauria; **Snakes**; Testudines
Broader Terms: reptiles; vertebrates; Chordata; animals; eukaryotes
CABICodes: Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900); Animal Treatment and Diagnosis (Non-Drug), (Discontinued March 2000) (LL880); Animal Physiology and Biochemistry (Excluding Nutrition) (LL600); **Pesticides** and Drugs (General) (HH400)

7/9/23 (Item 23 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006440582 **CAB Accession Number:** 19912254898
Toxicology.

Mount, M. E.
Textbook of veterinary internal medicine: diseases of the dog and cat. Volume 1.
p.456-483
Publication Year: 1989
Editors: 3rd Edition, S.J. Ettinger
Publisher: W.B. Saunders Company Philadelphia, PA 19106 , USA
ISBN: 0-7216-1942-8
Language: English **Record Type:** Citation
Document Type: Miscellaneous
72 ref.

Descriptors: Arsenic; Detoxicants; Diagnosis; Differential diagnosis; Drug **toxicity**; Heavy metals; **Herbicides**; Lead; Mycotoxins; **Pesticides**; Phosphorus; **Poisoning**; Poisonous plants; **Reviews**; Thallium; **Toxicology**; Venoms; Zinc
Identifiers: fungal toxins; Glycerols; Insect bites or stings; Savria; **toxic** plants; **toxicosis**; venom; weedicides; weedkillers
CAS Registry Numbers: 7723-14-0; 7439-92-1; 7440-66-6; 7440-38-2; 7440-28-0
Organism Descriptors: Bufo; Cats; Dogs; plants; **Snakes**
Broader Terms: Canis; Canidae; Fissipeda; carnivores; mammals; vertebrates; Chordata; animals; small mammals; eukaryotes; Felis; Felidae; Bufonidae; Anura; Amphibia; **reptiles**
CABICodes: Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900); **Pesticides** and Drugs (General) (HH400); Weeds and Noxious Plants (FF500)

7/9/24 (Item 24 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005520130 **CAB Accession Number:** 19842250893
High performance liquid chromatography in veterinary toxicology.

Covey, T. R.; Henion, J. D.
State Coll. Vet. Med., Cornell Univ., 925 Warren Drive, Ithaca, New York 14850, USA.
Journal of Liquid Chromatography vol. 7 (2): p.205-315
Publication Year: 1984
ISSN: 0148-3919
Language: English **Record Type:** Abstract
Document Type: Journal article
A detailed review of the use of high performance liquid chromatography for the analysis of feeds, body fluids, tissues and digesta for **insecticides**, rodenticides, **herbicides**, mycotoxins, **fungicides**, ethylene glycol, **snake** and insect venoms, avicides and drug residues. The use of the mass spectrometer as detector in multiresidue screening is described and discussed at length. 109 ref.

Descriptors: Antiparasitic agents; assays; Chemical analysis; Drug residues; Ethylene glycol; Forensic medicine; Liquid chromatography; **Reviews**; **toxicology**; venoms
Identifiers: Mass spectrometer; parasiticides; venom
CAS Registry Numbers: 107-21-1
CABICodes: Animal **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (LL900)

7/9/25 (Item 25 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005376401 **CAB Accession Number:** 19832224244
Dosages for antibiotics and parasiticides used in exotic animals.

Jacobson, E.; Kollias, G. V., Jr.; Peters, L. J.
Univ., Gainesville, Florida, USA.
Compendium on Continuing Education for the Practicing Veterinarian vol. 5 (4): p.315...324
Publication Year: 1983
ISSN: 0193-1903
Language: English **Record Type:** Abstract
Document Type: Journal article
Tables show dosages of antibiotics, anthelmintics and antifungal agents recommended for specific bacterial, mycotic and helminth infections of rabbit, rat, mouse, hamster, guinea pig, lizards, snakes, Crocodylia, Testudines, and Amphibia (frogs, toads and salamanders).

Descriptors: Anthelmintics; Antibiotics; antifungal agents; drug therapy; Mycoses; **reviews**; small animal practice; therapy
Identifiers: chemotherapy; Reptilia; Serpentes; therapeutics
Organism Descriptors: Amphibia; REPTILES; snakes
Broader Terms: vertebrates; Chordata; animals; eukaryotes; reptiles
CABICodes: Animal Toxicology, Poisoning and Pharmacology, (Discontinued March 2000) (LL900); Parasites, Vectors, Pathogens and Biogenic Diseases of Humans, (Discontinued March 2000) (VV200); **Pesticides** and Drugs (General) (HH400); Human **Toxicology**, **Poisoning** and Pharmacology, (Discontinued March 2000) (VV800); Parasites, Vectors, Pathogens and Biogenic Diseases of Animals,

(Discontinued March 2000) (LL820)

7/9/26 (Item 26 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005060648 **CAB Accession Number:** 19811418890
Food and health: science and technology.

National College of Food Technology, Reading Univ., Weybridge, Surrey KT13 0DE, UK.
Additional Authors: Widdowson, E. M.; Bender, A. E.; Francis, D. E. M.; Garrow, J. S.; Cummings, J. H.; Mossel, D. A. A.; Ley, F. J.
xii + 532pp.
Publication Year: 1980
Editors: Birch, G. G.; Parker, K. J.
Publisher: Applied Science Publishers Ltd. Barking, Essex , UK
ISBN: 0-85334-875-8
Price: pounds-sterling 32.00
Language: English **Record Type:** Abstract
Document Type: Book
Food and Health contains 31 papers delivered at a Symposium organized under the auspices of the National College of Food Technology, University of Reading at Weybridge in the spring of 1979. The papers concerned with nutritional aspects are dealt with by established nutrition experts and cover a wide field of topics.E.M. Widdowson (1-18, 48 ref.), looks at the nutrient needs from birth to old age and A.E. Bender (415-424, 11 ref.) asks if we are adequately fed, questioning the usefulness of recommended daily intakes as a measure for this.An interesting account of infant nutrition by D.E.M. Francis (469-485, 36 ref.) highlights yet again the advantages of breast feeding. Despite this, breast feeding in the UK has declined and the implications of this in terms of obesity and protein-energy malnutrition are discussed.The common supposition that obesity and anorexia nervosa are opposite poles of a spectrum of eating disorders is questioned by J.S. Garrow (459-468, 12 ref.). With the development of new analytical techniques, ideas about dietary fibre have crystallized, and J.H. Cummings (441-458, 41 ref.) takes a broad view of some aspects of dietary fibre metabolism. In contrast, the influence of specific nutrients and contaminants in food on brain development and mental function receives a more detailed account. Four papers are directly concerned with microbial contaminants in foodstuffs : Salmonella, Clostridia and mycotoxins are discussed in a detail which should be of value to readers with a general interest in those areas, but which adds little to present knowledge in those fields.The paper by D.A.A. Mossel (129-166, 349 ref.) on assessing health risks due to microbial contamination in foods is an enlightened treatment of the topic, which may stimulate action to reduce the incidence of food **poisoning**. He focusses on the need for "measures ... (rather than) measurements", but also helps to reduce the complexity of the literature on microbial quantitation. In this paper we are told of the possible benefits from radiation of raw foods and in a subsequent paper we read of the present status of irradiation programmes in commercial practice. The latter paper, by F.J. Ley (333-343, 5 ref.), is a concise statement of progress being made and we discover that whereas the UK has a general ban on sale of irradiated food for human consumption other countries such as the Netherlands, USSR and Canada have a 10- to 20-year history of acceptance of such products.This book bringing together so many aspects of health and nutrition should be useful to those in the field who were unable to attend what seems to have been a most interesting Symposium, and for the convenience of the reader each paper commences with an abstract.O. Benzie
ADDITIONAL ABSTRACT: Papers presented at a symposium held at the National College of Food Technology, Weybridge, Surrey on 8-12 April 1979 are given and include the following in which mention is made of milk and milk products: Food and health from conception to extreme old age, by E. M. Widdowson (pp. 1-18, 48 ref.). The microbiological control of salmonellae in processed foods, by R. Davies pp. 81-100, 109 ref.). The occurrence and control of Clostridium botulinum in foods, by B. Jarvis & M. Patel (pp. 101-114, 42 ref.). Mycotoxins in food, by M. O. Moss (pp. 115-127, 27 ref.).

Assessment and control of microbiological health risks presented by foods, by D. A. A. Mossel (pp. 129-166, 323 ref.). Biochemical aspects of food safety, by R. Walker (pp. 167-181, 30 ref.). Food additives: industrial uses, value and safety, by N. Goldenberg (pp. 183-199, 34 ref.). Acceptable limits for **pesticides** in foods: the FAO/WHO approach, by E. E. **Turtle** (pp. 201-214, 17 ref.). The role of food processing in decreasing **pesticide** contamination of foods, by S. J. Kubacki & T. Lipowska (pp. 215-226, 16 ref.). Trends and perspectives in food contaminants, by H. Egan & R. Sawyer (pp. 227-249, 51 ref.). Use of prokaryotic and eukaryotic culture systems for examining biological activity of food constituents, by A. J. Sinskey & R. F. Gomez (pp. 251-286, 90 ref.). Performance of process plant in relation to food quality and safety, by D. T. Shore (pp. 319-331, 3 ref.). Interaction of food components during processing, by R. F. Hurrell (pp. 369-388, 47 ref.). Methodology to detect nutritional damage during thermal food processing, by J. Mauron (pp. 389-413, 45 ref.). Infant nutrition, by D. E. M. Francis (pp. 469-485, 36 ref.) in which the composition of human milk is compared with that of infant formulae based on cows' milk. There is also a 10pp. subject index.

Descriptors: control; diet; food; food additives; food technology; health; heat treatment; human milk; infant feeding; infants; MILK PRODUCTS; nutritive value; **pesticides**; residues; **reviews**; safety; technology
Identifiers: book on food technology and health; breast milk; dairy products; formulae; heat processing; nutritional value; quality for nutrition; science; value
Organism Descriptors: Clostridium botulinum; Man; Salmonella
Broader Terms: Homo; Hominidae; Primates; mammals; vertebrates; Chordata; animals; eukaryotes; Enterobacteriaceae; Gracilicutes; bacteria; prokaryotes; Clostridium; Clostridiaceae; Firmicutes
CABICodes: Food Science and Food Products (Human) (QQ000); Pathogen, Pest, Parasite and Weed Management (General) (HH000); Milk and Dairy Produce (QQ010); Food Additives (QQ130); Human Nutrition (General) (VV100); Food Contamination, Residues and **Toxicology** (QQ200); Food Composition and Quality (QQ500)

7/9/27 (Item 27 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004765820 **CAB Accession Number:** 19790863516
Diseases of tortoises: a review of seventy cases.

Holt, P. E.; Cooper, J. E.; Needham, J. R.
The Vet. Surgery, Manchester Street, Oldham, Lancashire, UK.
Journal of Small Animal Practice vol. 20 (5): p.269-286
Publication Year: 1979
ISSN: 0022-4510
Language: English **Record Type:** Abstract
Document Type: Journal article
Of 70 **tortoises** (mostly Testudo graeca), 21 were found to have gastro-intestinal nematodes. Angusticaecum spp. were identified in all 21 and 4 of these also harboured oxyurids (identified as Tachygonetria sp. and Atractis dactyluris in 2). Thiabendazole was the only treatment used in 19 cases, 5 receiving 110 mg/kg body-weight and the rest 400 mg/kg (one, 2 or 3 doses were given). One **tortoise** was treated with parenteral diethylcarbamazine citrate (200 mg/kg) but 14 days later ascarids were still being passed and the animal was therefore given thiabendazole. Another animal was treated twice with mebendazole (50 mg/kg) but continued to pass worms one month later when treatment was changed to thiabendazole. The owners reported that treatment was successful (i.e. no more worms were seen). However, ascarid ova were still present in the faeces of 3 **tortoises** 3 weeks after treatment. Another, examined post mortem 5 months after treatment had Angusticaecum spp. in the gastro-intestinal tract.

Descriptors: anthelmintics; Clinical examination; control; Diagnosis; DRUG THERAPY; Helminths;

mebendazole; Necrosis; parasites; Pathology; Pets; Poisonous plants; Stomatitis; Therapy; thiabendazole
Identifiers: chemotherapy; diethylcarbamazine citrate; parasitic worms; pet animals; TBZ ; therapeutics; tiabendazole; **tortoise** diseases; **toxic** plants
CAS Registry Numbers: 148-79-8; 31431-39-7
Organism Descriptors: Nematoda; plants; Ranunculus; Testudines; Testudo graeca
Broader Terms: invertebrates; animals; eukaryotes; Testudo; Testudinidae; Testudines; **reptiles**; vertebrates; Chordata; Ranunculaceae; Ranunculales; dicotyledons; angiosperms; Spermatophyta; plants
CABICodes: Parasites, Vectors, Pathogens and Biogenic Diseases of Animals, (Discontinued March 2000) (LL820); Pathogen, Pest, Parasite and Weed Management (General) (HH000); Weeds and Noxious Plants (FF500); Pets and Companion Animals (LL070); Non-communicable Diseases and Injuries of Animals (LL860); **Pesticides** and Drugs (General) (HH400)

7/9/28 (Item 28 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004436118 **CAB Accession Number:** 19762262842
I. Brief description of liver diseases in reptiles. II. Aetiology of liver disease in reptiles.
Original Title: (I) Kurze Beschreibung der Lebererkrankungen (Nosologie) der Reptilien. (II) Die Entstehungsursachen der Lebererkrankungen bei Reptilien.
Will, R.
Abt. Parasitol., Univ. Hohenheim, Fruwirthstr. 45, 7 Stuttgart 70, German Federal Republic.
Zentralblatt fur Veterinarmedizin vol. 22B (8): p.617-625; 626-634
Publication Year: 1975
Language: German **Summary Language:** English; Spanish; French **Record Type:** Abstract
Document Type: Journal article
The author notes that liver disturbances, as such, are relatively rare in **reptiles** but are rather the result of diseases of other organs. The various affections of the liver - icterus, fatty, congested and cloudy liver, cholangitis, hypoxaemic liver necrosis, focal granulomatous hepatitis, diffuse hepatitis, abscesses, cirrhosis, tuberculosis, cystic liver and primary and secondary neoplasms - are briefly described. Based on P.M. study of over 1500 **reptiles** an overall pricture is given of the aetiology of these diseases. In many cases bacterial, mycotic and parasitic factors are responsible, but there is so far no evidence of viruses as a cause of liver disease. Metabolic diseases covered are gout, arteriosclerosis and "haemosiderosis" in so far as they cause damage to the liver. Deficiency diseases are caused as much by vitamin deficiency as by general food deficiency and food which is too rich in fat. **Poisoning** which, as with deficiency conditions, results in fatty liver, dystrophy and cirrhosis is most often caused by DDT and other **pesticides**. The effect of such poisons is very often not recognized until too late.

Descriptors: liver diseases; **Reviews**
Identifiers: reptilia
Organism Descriptors: REPTILES
Broader Terms: vertebrates; Chordata; animals; eukaryotes
CABICodes: Non-communicable Diseases and Injuries of Animals (LL860)

7/9/29 (Item 29 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004252289 **CAB Accession Number:** 19750527801
Current veterinary therapy. V. Small animal practice.

Small Animal Clinic, New York State Veterinary College, Cornell University, Ithaca, USA.
Additional Authors: Kruckenberg, S. M.; Van Gelder, G. A.; Gelder, G. A. Van; Muller, G. H.; Lorenz, M. D.; Doering, G. G.; Carroll, H. F.; Altman, R. B.; Marcus, L. C.
(Ed. 5): xxxix + 1041 pp.
Publication Year: 1974
many fig., 265 X 190 mm
Editors: Kirk, R. W.
Publisher: W.B. Saunders Company. Philadelphia, Pennsylvania , USA
Language: English **Record Type:** Abstract
Document Type: Miscellaneous
In this fifth edition of this book, of which editions in Spanish and Japanese are also available, the following papers on therapy in small animals are of entomological interest : Organophosphate and carbamate **poisoning** , by S.M. Kruckenberg (pp. 142-143); Chlorinated hydrocarbon **insecticide toxicosis**, by G.A. Van Gelder (pp. 143-145, 3 ref.); Laboratory diagnosis of skin disorders, by G.H. Muller (pp. 391-394); Allergic skin disease, by M.D. Lorenz (pp. 395-401, 9 ref.); Flea collar dermatitis, by G.H. Muller (pp. 404-405); Ectoparasites, by G.G. Doering (pp. 406-414, 3 ref.); Cheyletiella dermatitis, by H.F. Carroll (pp. 415, 1 ref.); Demodectic mange (demodicosis), by G.H. Muller (pp. 416-418, 1 ref.); Parasitic diseases of cage birds, by R.B. Altman (pp. 555-559); and Parasitic diseases of captive **reptiles**, by L.C. Marcus (pp. 632-638, 11 ref.). many ref.

Descriptors: AVIARY BIRDS; dermatitis; flea collars; mange; PARASITOSES; **reviews**; skin diseases
Identifiers: cage birds; Current Veterinary Therapy. V. Small animal practice (ed. 5) [En]; dermatitis caused; Kirk, R.W; parasitic diseases; parasitic infestations; parasitosis
Organism Descriptors: birds; Cheyletiella; Demodex; **reptiles**
Broader Terms: Demodicidae; Prostigmata; mites; Acari; Arachnida; arthropods; invertebrates; animals; eukaryotes; Cheyletiellidae; vertebrates; Chordata
CABICodes: Parasites, Vectors, Pathogens and Biogenic Diseases of Animals, (Discontinued March 2000) (LL820); Pets and Companion Animals (LL070); Zoo Animals (LL080)

7/9/30 (Item 30 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004154488 **CAB Accession Number:** 19740411133
Environmental quality and safety. Global aspects of chemistry, toxicology and technology as applied to the environment. Vol. II.

Institute of Experimental Pathology and Toxicology, Albany Medical College, Union University, New York 12208, USA.
Additional Authors: Hurtig, H.; Frank, R.; Krenzer, W.; Gruener, N.; Shuval, H. I.; Klein, W.; Lu, F. C.; Turtle, E. E.
xviii+333pp.
Publication Year: 1973
also publ. by Academic Press Inc., New York, USA, ISBN 0-12-227002-9.
Editors: Coulston, F.; Korte, F.
Publisher: G. Thieme Verlag. Stuttgart , German Federal Republic
ISBN: 3-13-498001-0
Language: English **Summary Language:** German **Record Type:** Abstract
Document Type: Book
Various aspects of the evaluation of safety of environmental chemicals, drugs, physical agents, **pesticides** and food additives are discussed. Chapters include: Some of the opportunities for science in the food industry, by W. B. Murphy (pp. 14-21); Some FAO activities and attitudes concerning

pesticides, by E. E. **Turtle** (pp. 21-24); DDT-chlorophenothene: the situation in the Federal Republic of Germany, by H. P. Tombergs (pp. 24-25); Drinking water and waste water problems, by C. Mendia (pp. 47-52); Inorganic chemicals in the environment - with special reference to the pollution problems in Japan, by M. Goto (pp. 72-77, 7 ref.); **Pesticide** residues in food - the situation today, by H. Egan (pp. 78-87, 4 ref.); Chemicals in the environment: some aspects of agricultural chemicals, by H. Hurtig (pp. 88-99, 5 ref.); Food additives, by R. Frank (pp. 100-104); **Toxic** microelements and therapeutica in food of animal origin, by W. Krenzer (pp. 105-109, 66 ref.); Studies on the **toxicology** of nitrites, by N. Gruener & H. I. Shuval (pp. 219-229, 15 ref.); Research in the Gessellschaft fur Strahlen- und Umweltforschung on the evaluation of the risks involved in environmental chemicals, by W. Klein (pp. 244-247); and WHO's food safety programs and the problem of mercury as a food contaminant, by F. C. Lu (pp. 309-319, 29 ref.). [See DSA 35, 2933, 3472, 3473 for Vol. 1.]. ADDITIONAL ABSTRACT: This second volume of a semi-annual publication intended for the dissemination of knowledge of the total environment of the biosphere [cf. RAE/A 60, 2359-2372] includes the following papers dealing partly or wholly with **insecticides:**. many ref.

Descriptors: agricultural entomology; composition; control; environment; hazards; MILK PRODUCTS; **pesticide** residues; **pesticides**; residues; **reviews**; trace elements
Identifiers: Coulston, F; dairy products; Environmental quality and safety. Global aspects of chemistry, **toxicology** and technology as applied to the environment (vol. II); Korte, M. (Editors); microelements
CABICodes: Milk and Dairy Produce (QQ010); Food Contamination, Residues and **Toxicology** (QQ200); Pathogen, Pest, Parasite and Weed Management (General) (HH000); Pollution and Degradation (PP600)

7/9/31 (Item 1 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001970877 IP Accession No: 7290589
A Logical Starting Point for Developing Priorities for Lizard and Snake Ecotoxicology: A Review of Available Data

Campbell, Kym Rouse; Campbell, Todd S The Cadmus Group, Inc., 78A Mitchell Road, Oak Ridge, Tennessee 37830, USA
Environmental Toxicology and Chemistry , v 21 , n 5 , p 894-898 , May 2002
Publication Date: 2002
Publisher: Allen Press, Inc., 810 East Tenth St. PO Box 1897 Lawrence KS 66044 USA, [mailto:webmaster@allenpress.com], [URL:http://www.allenpress.com]

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0730-7268
Electronic Issn: 1552-8618
ASFA No: CS0746551
DOI: 10.1897/1551-5028(2002)021<0894:ALSPFD>2.0.CO;2
File Segment: Toxicology Abstracts; ASFA 3: Aquatic Pollution & Environmental Quality

Abstract:
Reptiles, specifically **lizards** and **snakes**, usually are excluded from environmental contamination studies and ecological risk assessments. This brief summary of available **lizard** and **snake** environmental contaminant data is presented to assist in the development of priorities for **lizard** and

snake ecotoxicology. Most contaminant studies were not conducted recently, list animals found dead or dying after **pesticide** application, report residue concentrations after **pesticide** exposure, compare contaminant concentrations in animals from different areas, compare residue concentrations found in different tissues and organs, or compare changes in concentrations over time. The biological significance of the contaminant concentrations is rarely studied. A few recent studies, especially those conducted on modern **pesticides**, link the contaminant effects with exposure concentrations. Nondestructive sampling techniques for determining organic and inorganic contaminant concentrations in **lizards** and **snakes** recently have been developed. Studies that relate exposure, concentration, and effects of all types of environmental contaminants on **lizards** and **snakes** are needed. Because most **lizards** eat insects, studies on the exposure, effects, and accumulation of **insecticides** in **lizards**, and their predators, should be a top priority. Because all **snakes** are upper-trophic-level carnivores, studies on the accumulation and effects of contaminants that are known to bioaccumulate or biomagnify up the food chain should be the top priority.

Descriptors: Bioaccumulation; Carnivores; Contaminants; Data processing; **Ecotoxicology**; Food chains; Food contamination; Geochemistry; **Insecticides**; Literature **reviews**; **Pesticide** applications; **Pesticides**; Predators; **Reviews**; Risk assessment; Sampling; **Toxicity** tests; **Toxicology**; Lacertilia
Subj Catg: 01504, Effects on organisms; 24490, Other

7/9/32 (Item 2 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001695914 IP Accession No: 5903776
The experience of starting a poison control centre in Africa--the Ghana experience

Clarke, EEK Occupational and Environmental Health Unit, Ghana Health Service/Ministry of Health, C/O P.O. Box AN 11355, Accra--North, Ghana, [mailto:ochealth@ghana.com]
Toxicology , v 198 , n 1-3 , p 267-272 , May 2004
Publication Date: 2004
Publisher: Elsevier Science Ireland Ltd., P.O. Box 85 Limerick Ireland

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0300-483X
DOI: 10.1016/j.tox.2004.02.001
File Segment: Toxicology Abstracts

Abstract:
The need for a poison centre in Ghana has been well demonstrated over the years as evidenced by the occurrence of a variety of cases of **poisoning**. Important causes are accidental **poisoning** from mishandling of **pesticides**, accidental **poisoning** among children from kerosene and **pesticide**' ingestion due to unsafe storage methods in the home, use of herbal potions of unknown composition, overdoses of certain pharmaceuticals for illegal abortion, and accidental food **poisonings**. Bites from venomous animals particularly **snakes** are also common. Though preparations toward the establishment of a poison control centre started in mid 1999, it was not until early 2002 that the operations of a modest information centre commenced. Major roles the centre are currently performing include providing:

Descriptors: Bites; Food **poisoning**; Venom; Overdose; **Reviews**; **Poisoning**; Poison control centers; Ghana
Identifiers: man

Subj Catg: 24230, Legislation & recommended standards

7/9/33 (Item 3 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001222930 IP Accession No: 4282090
The value of mechanistic studies in laboratory animals for the prediction of reproductive effects in wildlife: Endocrine effects on mammalian sexual differentiation

Gray, LE Jr; Ostby, J; Wolf, C; Lambright, C; Kelce, W Endocrinol. Branch, Reprod. Toxicol. Div., Natl. Health and Ecol. Effects Res. Lab., U.S. Environ. Prot. Agency, Research Triangle Park, NC 27711, USA
Environmental Toxicology and Chemistry , v 17 , n 1 , p 109-118 , January 1998
Publication Date: 1998

Document Type: Journal Article; Review
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0730-7268
File Segment: Toxicology Abstracts

Abstract:
Wildlife populations from contaminated ecosystems display a variety of reproductive alterations, including cryptorchidism in the Florida panther, small baculum in young male otters, small penises in **alligators**, sex reversal in fish, and altered social behavior in birds. The formation of biologically plausible hypotheses regarding disruption of reproduction in wildlife can be facilitated by mechanistic studies on laboratory animals. To this end, we are investigating the in vivo and in vitro effects of **endocrine**-disrupting **toxicants** in rodents. In vitro studies have used receptor binding and transfected cell assays to confirm the suspected mechanism of action, whereas in vivo rodent studies examine altered sexual differentiation. Antiandrogenic **pesticides** compete with the natural ligands for both rat and human androgen receptors, block androgen-induced gene expression in vitro and in vivo, delay puberty, reduce sex accessory gland size, and alter male rat sex differentiation. In contrast, xenoestrogens affect female central nervous system sex differentiation and fecundity without producing malformations or infertility in male offspring. Prenatal administration of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) or the TCDD-like polychlorinated biphenyls produce yet another profile of effects in the offspring, reducing numbers of ejaculated sperm in male progeny and inducing urogenital malformations in females. Although phthalates are reported to be estrogenic in vitro, in vivo exposure causes developmental alterations that more closely resemble antiandrogenic activity. The mammalian data indicate that exposure to **endocrine**-disrupting chemicals produces effects that are pathognomonic for mechanisms by which they act. Mechanistic information derived from mammalian studies can enhance our ability to predict **toxicant** effects on reproduction in fish and wildlife.

Descriptors: reviews; **endocrine system**; reproduction; estrogens; phthalates; wildlife; laboratory animals; TCDD
Identifiers: dioxins
Subj Catg: 24250, Reviews

7/9/34 (Item 4 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000869630 IP Accession No: 3011974
Fenvalerate hazards to fish, wildlife, and invertebrates: A synoptic review.

Eisler, R
, 1992
Addl. Source Info: BIOL. REP. U.S. FISH WILDL. SERV., 1992, 49 pp
Publication Date: 1992

Document Type: Report
Record Type: Abstract
Language: English
Summary Language: English
Numbers: Biological-92(2)
Notes: NTIS Order No.: PB92-205541/GAR. Contaminant Hazard Reviews-24.; Freshwater
File Segment: ASFA 3: Aquatic Pollution & Environmental Quality

Abstract:
Synthetic pyrethroids are the newest major class of broad-spectrum organic **insecticides** used in agricultural, domestic, and veterinary applications, and now account for more than 30% of global **insecticide** use. Fenvalerate ((RS) alpha-cyano-3-phenoxybenzyl (RS) 2-(4-chlorophenyl)-3-methylbutyrate) is one of the newer synthetic pyrethroid **insecticides** and the one most widely used. Fenvalerate persists for < 10 weeks in the environment and does not accumulate readily in the biosphere. Time for 50% loss (Tb 1/2) in fenvalerate-exposed amphibians, birds, and mammals is 6-14 h; for **reptiles**, terrestrial insects, aquatic snails, and fish it is usually > 14h-<2 days, and for crop plants it is 2-28 days. In nonbiological compartments, Tb 1/2 is as long as 6 days in fresh water, 34 days in seawater, 6 weeks in estuarine sediments, and 9 weeks in soils. At recommended application rates to control pestiferous crop insects, fenvalerate and other synthetic pyrethroids are relatively harmless to birds, mammals, and terrestrial plants; however, certain nontarget species, including bees, crustaceans, and fish, are at considerable risk, especially at low temperatures. Criteria have not yet been formulated by regulatory agencies for protection of sensitive fish and wildlife resources against fenvalerate. Current guidelines for protection of poultry, livestock, and human health include <50 mg/kg in poultry diets, <5 mg/kg in livestock diets, <3 mg/kg in human diets, and <0.125 mg/kg BW daily in humans.

Descriptors: hazard assessment; **toxicity**; pollution effects; **pesticides** ; aquatic organisms; temperature effects
Identifiers: pyrethroids
Subj Catg: 01504, Effects on organisms

7/9/35 (Item 5 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000605671 IP Accession No: 8901996
Technical Review of the Factors Affecting 2,4-D for Aquatic Use

Gangstad, EO
Addl. Source Info: Environmental Management of Water Projects. CRC Press, Inc., Boca Raton FL. 1987. p 73-84, 61 ref.
Publication Date: 1987

Record Type: Abstract
File Segment: Water Resources Abstracts

Abstract:
The **herbicide** 2,4-D was prepared in 1941 by the interaction of 2 ,4-dichlorophenol, monochoroacetic acid, and sodium hydroxide, and a similar process is used in its commercial production. It is used to control aquatic weeds in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, rivers, and streams that are quiescent or slow moving. It is one of a family of phenoxy **herbicides** that are predominantly **toxic** to green plants and much less **toxic** to mammals, birds, fish, **reptiles**, shellfish , insects, worms, fungi, and bacteria. When properly used, it does not persist in the environment at levels harmful to animals and aquatic organisms. It does not concentrate in food chains and is detectable only rarely in food and then in only insignificant amounts. The principal hazard in the use of the phenoxys is to crops and other valuable plants either within the treated are or nearby. Treated crops can be injured through accidental overdosing, improper timing of treatments, unusual weather conditions, and other causes. Injury to nearby crops and ornamentals can result from drift of droplets or vapors of the spray. Such losses are largely preventable through the use of proper formulations and spray equipment and the exercise of good judgement. (See also W89-01990) (Author 's abstract)

Descriptors: Aquatic weed control; Dichlorophenoxyacetic acid; **Herbicides**; Fate of pollutants; Water pollution effects; Environmental effects; Crops; Chemical treatment
Subj Catg: 2010, Control of water on the surface; 3070, Water quality control

7/9/36 (Item 6 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000605667 IP Accession No: 8902000
Technical Review of the Factors Affecting Aquatic Use of Dichlobenil

Gangstad, EO
Addl. Source Info: Environmental Management of Water Projects. CRC Press, Inc., Boca Raton FL. 1987. p 117-122, 24 ref.
Publication Date: 1987

Record Type: Abstract
File Segment: Water Resources Abstracts

Abstract:
Dichlobenil is the common name for 2,6-dichlorobenzonitrile. It is used as a **herbicide** for controlling aquatic plants in lakes, ponds, ditches, and to some extent in flowing water. The **herbicidal** activity of dichlobenil is characterized by a powerful inhibition of plant growth. The **herbicide** is not acutely **toxic** to fish at concentrations generally used for weed control. The range of LD sub 50 is 10 to 20 ppm for pumpkin seed (Lepomis gibbosus), bluegill (L. macrochirus), redear sunfish (L. microlophus), and largemouth bass (Micopteris salmoides). There are no known adverse effects on wildlife mammals at the rates used for weed control. Dichlobenil should not be used if the air temperature is expected to go above 70 F within a week. It is long lasting at low and moderate temperatures, and seeding or transplanting in treated soil should be delayed for 24 months after treatment. Dichlobenil (Casoron G-10) granules should be applied at a rate 7 to 10 lb ai(70 to 100 lb G-10)/surface A in the early spring before weeds start growing. Weeds controlled are Elodea, northern watermilfoil, naiad, Chara, pondweeds (Potamogeton spp.), and **alligatorweed** (Alternanthera philoxeroides). (See also W89-01990) (Lantz-PTT)

Descriptors: Aquatic weed control; Dichlobenil; **Herbicides**; Environmental effects; Fate of pollutants; Aquatic weeds; Plant growth; **Toxicity**; Lethal limits; Bluegill; Sunfish; Bass; Elodea; Watermilfoil; Naiad; Coontail; Chara; Pondweeds; **Alligatorweed**
Subj Catg: 2010, Control of water on the surface; 3030, Effects of pollution

7/9/37 (Item 7 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000076670 IP Accession No: 7400917
AMPHIBIANS OF THE CHESAPEAKE BAY REGION

HARDY, JD MARYLAND UNIV., SOLOMONS. NATURAL RESOURCES INST
Addl. Source Info: IN: ARMY CORPS OF ENGINEERS CHESAPEAKE BAY EXISTING CONDITIONS REPORT APPEND C, VOL 2, P C-143--C 153, 1973. 48 REF.
Publication Date: 1973

Record Type: Abstract
File Segment: Water Resources Abstracts

Abstract:
A LIST OF 43 SPECIES AND SUBSPECIES OF AMPHIBIANS KNOWN TO OCCUR ON THE ATLANTIC COASTAL PLAIN IN THE LATITUDES OF CHESAPEAKE BAY IS PRESENTED. THE RANGE OF EURYCEA LONGICAUDA GUTTOLINEATA ENDS ABRUPTLY AT THE POTOMAC RIVER WHERE IT IS REPLACED (BUT ONLY WEST OF THE FALL LINE) BY EURYCEA 1. LONGICAUDA. TWO DISJUNCT POPULATIONS OF FROGS OCCUR IN THE MARYLAND PORTION OF THE CHESAPEAKE BAY REGION: GASTROPHRYNE CAROLINENSIS IS KNOWN ONLY FROM ST. MARYS, CALVERT, AND DORCHESTER COUNTIES, WHILE RANA VIRGATIPES IS LIMITED TO THE SOUTHERN PORTION OF THE EASTERN SHORE. TADPOLES ARE USUALLY REGARDED AS VEGETARIANS, BUT ARE OCCASIONALLY CARNIVOUROUS, AND SOMETIMES CANNIBALISTIC. SALAMANDER LARVAE AND ADULT TOADS, FROGS, AND SALAMANDERS ARE ENTIRELY CARNIVOUROUS, AND PRIMARILY INSECTIVOROUS. STUDIES OF DDT ACCUMULATIONS IN ACRIS CREPITANS, RANA PIPIENS, RANA CLAMITANS, AND RANA CATESBEIANA ARE REVIEWED. ADULT FROGS USUALLY CONTAIN LOWER AMOUNTS OF RESIDUES THAN FISH, **SNAKES**, AND BIRDS. EVEN **SUBLETHAL** DOSES OF DDT CAUSE RADICALLY ABNORMAL BEHAVIOR IN TADPOLES. (SEE ALSO W74-00891 (WOODARD-USGS)

Descriptors: *CHESAPEAKE BAY; *WATER RESOURCES DEVELOPMENT; *BIOTA; *AMPHIBIANS; CLASSIFICATION; ESTUARIES; BIOLOGY; FROGS; SALAMANDERS; TOADS; ECOSYSTEMS; ENVIRONMENTAL EFFECTS; WATER POLLUTION EFFECTS; **PESTICIDES**; ECOLOGY; **REVIEWS**; BIBLIOGRAPHIES; *AMPHIBIAN TAXONOMY
Subj Catg: 0890, Estuaries; 3030, Effects of pollution

7/9/38 (Item 8 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000023918 IP Accession No: 7000269
THE CONTROL OF WATER WEEDS

LITTLE, ECS AGRICULTURAL RESEARCH COUNCIL, KIDLINGTON (ENGLAND). WEED RESEARCH ORGANIZATION
Addl. Source Info: WEED RESEARCH, VOL 8, NO 2, P 79-105, 1968. 363 REF.
Publication Date: 1968

Record Type: Abstract
File Segment: Water Resources Abstracts

Abstract:
WATER WEEDS ARE POSING INCREASING PROBLEMS IN MANY COUNTRIES WHICH DEPEND ON WATER CONTROL FOR DEVELOPMENT OF AGRICULTURAL, POWER, AND TRANSPORT RESOURCES. THE UNITED STATES, BESIDES HAVING ITS SHARE OF DIFFICULTIES FROM WATER WEEDS, IS ALSO CONCERNED WITH AQUATIC WEED IMPAIRMENT OF INCREASINGLY POPULAR RECREATIONAL ASPECTS OF WATER. HEAVY WATER-WEED INFESTATION IS EXPECTED WHEN FERTILE LAND IS SUBMERGED TO FORM LAKES, OR WHEN LAKES AND CHANNELS BECOME SILTED. THIS PROBLEM IS ACCENTUATED IN DEVELOPED COUNTRIES BY EXTRA PLANT NUTRIENTS REACHING WATER SUPPLIES FROM FERTILIZER AND SEWAGE EFFLUENT. AUTHOR PRESENTS A COMPREHENSIVE REVIEW OF THE WORLD'S LITERATURE ON AQUATIC WEED CONTROL SINCE 1960, TO PROVIDE A GUIDE TO RESEARCH WITH PRIMARY ATTENTION TO THOSE PLANTS CAUSING PROBLEMS IN WARM ENVIRONMENTS. THE LITERATURE CITATIONS ARE GROUPED AS FOLLOWS: REVIEWS, IDENTIFICATION, GENERAL RECOMMENDATIONS, IMPORTANT WATER WEEDS, CHEMICALS USED IN AQUATIC WEED CONTROL, CONTROL TECHNIQUES, BIOLOGICAL CONTROL, UTILIZATION OF WATER WEEDS, **TOXICOLOGY** OF **HERBICIDES** TO FISH, **HERBICIDES** RESIDUES, AND WATER AND ITS EFFECT. AUTHOR INDICATES THE NEED FOR MORE RESEARCH IN BIOLOGICAL CONTROL AND UTILIZATION OF WATER WEEDS WHICH MIGHT BE USEFUL IN REGIONS WITHOUT THE FINANCIAL RESOURCES TO DEAL WITH THE PROBLEM. (SIMSIMAN-WISCONSIN)

Descriptors: *AQUATIC WEEDS; *AQUATIC PLANTS; *AQUATIC WEED CONTROL; WATER CONSERVATION; WATER CONTROL; FERTILIZERS; SEWAGE EFFLUENT; NUTRIENTS; LAKES; CHANNELS; **REVIEWS**; BIBLIOGRAPHIES; **HERBICIDES**; FISH; FRESH WATER; ALGAE; PONDS; WATER HYACINTH; CHEMICAL CONTROLS; PARAQUAT; DIQUAT; SODIUM ARSENITE; COPPER SULPHATE; MONURON; AMMONIA; DALAPON; 2-4-5-T UREAS; SEEDS; PROTEINS; MICROORGANISMS; FERMENTATION; SURFACTANTS; FLOATING PLANTS; FERNS; **ALLIGATORWEED**; FORMULATION ; EMULSIFIERS; SOIL TEXTURE; SILAGE; CHEMICALS; DITCHES; PERSISTENCE; IRRIGATION WATER; HARVESTING; MECHANICAL CONTROL; SPRAYING; WATER LEVELS; MAMMALS; BIRDS; SNAILS; INSECTS; FUNGI; WATER QUALITY; SOIL STERILANTS; EUTROPHICATION; RIVERS; BIOCONTROL; **TOXICITY**; DRAWDOWN; 2-4-D; AMINOTRIAZOLE; TRIAZINE; DICHLOBENIL
Subj Catg: 3070, Water quality control; 2010, Control of water on the surface

7/9/39 (Item 1 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

16450573 **PMID:** 15757733
Seagrass population dynamics and water quality in the Great Barrier Reef region: a review and future research directions.

Waycott Michelle; Longstaff Ben J; Mellors Jane
School of Tropical Biology, James Cook University, Townsville, QLD 4811, Australia.
michelle.waycott@jcu.edu.au
Marine pollution bulletin **(** England) 2005 , 51 (1-4) p343-50 , **ISSN:** 0025-326X--Print **Journal Code:** 0260231
Publishing Model Print

Document type: Journal Article; Review
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed
Subfile: INDEX MEDICUS; Toxbib
Seagrasses in the Great Barrier Reef region, particularly in coastal habitats, act as a buffer between catchment inputs and reef communities and are important habitat for fisheries and a food source for dugong and green **turtle**. Within the Great Barrier Reef region there are four different seagrass habitat types now recognised. The spatial and temporal dynamics of the different types of seagrass habitat is poorly understood. In general seagrass growth is limited by light, disturbance and nutrient supply, and changes to any or all of these limiting factors may cause seagrass decline. The capacity of seagrasses to recover requires either recruitment via seeds or through vegetative growth. The ability of seagrass meadows to recover from large scale loss of seagrass cover observed during major events such as cyclones or due to anthropogenic disturbances such as dredging will usually require regeneration from seed bank. Limited research into the role of pollutants on seagrass survival suggests there may be ongoing impacts due to **herbicides**, **pesticides** and other chemical contaminants. Further research and monitoring of seagrass meadow dynamics and the influence of changing water quality on these is needed to enhance our ability to manage seagrasses on the Great Barrier Reef. **(** 46 Refs.)
Descriptors: *Angiosperms--growth and development--GD; *Water Pollutants-- **poisoning**--PO; *Zosteraceae--growth and development--GD **;** Animals; Anthozoa; Environment; Nitrogen; Phosphorus; Population Dynamics; Quality Control; Queensland; Seawater--chemistry--CH
CAS Registry No.: 0 (Water Pollutants); 7723-14-0 (Phosphorus); 7727-37-9 (Nitrogen)
Record Date Created: 20050310
Record Date Completed: 20050711

7/9/40 (Item 1 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00275139 **Enviroline Number:** 95-06346
Sodium Monofluoroacetate (1080) Hazards to Fish, Wildlife, and Invertebrates: a Synoptic Review

Eisler, Ronald
Natl Biol Service Biol Report 27 (50)
Feb 95
Journal Announcement: 19950500
Document Type: fed govt report **Language:** English
(Full text available from Congressional Information Service at 1-800-227-2477.)
Abstract: The **ecotoxicological** effects of sodium monofluoroacetate, or Compound 1080, currently used in the US to eradicate coyotes that prey on livestock and other pest vertebrates, are reviewed. Environmental chemistry data gleaned from the literature cover chemical properties, persistence, metabolism, and antidotes. Lethal and **sublethal** effects documented in aquatic organisms, terrestrial plants and invertebrates, birds, mammals, **reptiles**, and amphibians are also described. Primary and secondary **poisoning** of nontarget organisms may coincide with 1080 application. Sensitive mammals died after exposure to a single dose of 1-3 mg/kg body weight; **sublethal** effects were observed at drinking water or dietary concentrations of 2.2 mg/l and 0.8-1.1 mg/kg, respectively.
Special Features: 126 reference(s); 4 table(s)
Major Descriptors: SODIUM FLUORACETATE; LITERATURE SURVEYS; PATHOLOGY, ANIMAL; WILDLIFE; **PESTICIDE** EXPOSURE; PREDATOR CONTROL; DOSE RESPONSE PROFILES; RISK ASSESSMENT ;
Review Classification: 02

7/9/41 (Item 1 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18698512 **Biosis No.:** 200600043907
Endocrine-disrupting chemicals: A review of the state of the science

Author: Manning Therese (Reprint)
Author Address: New S Wales Dept Environm and Conservat, Environm Sci Branch, POB A290, Sydney, NSW 1232, Australia**Australia
Author E-mail Address: therese.manning@environment.nsw.gov.au
Journal: Australasian Journal of Ecotoxicology 11 (1): p 1-52 JAN 2005 2005
ISSN: 1323-3475
Document Type: Article; Literature Review
Record Type: Abstract
Language: English

Abstract: In recent years, the possible effects of synthetic and naturally occurring chemicals with the potential to disrupt the **endocrine** system have been raised by scientists and environmental groups through the scientific literature, the Internet, books and television. These concerns were highlighted when research began to show that chemicals associated with adverse developmental effects in wildlife were also able to mimic the action of 17 beta-oestradiol, a female sex hormone.The **endocrine** system is one of the signalling systems used to control the processes required for life. Other signalling systems include the nervous system and the immune system. These systems are integrated, which means that disruption of one can result in disturbances in the others.The **endocrine** system uses hormones to carry messages from one part of a cell to another or from one part of the body to another. The hormones control processes such as reproduction, growth, development, energy use and maintenance of the internal environment (including blood pressure and heart rate). They interact with receptors located inside cells or on their surface - wherever activity is required. In the area of medical science, humans have benefited from taking advantage of our ability to disrupt the **endocrine** system -the contraceptive pill and providing insulin to diabetics are two well-known examples. It is becoming apparent that some synthetic chemicals can affect the health of organisms by either mimicking or blocking the action of these natural hormones or by interfering with the processes for making, excreting or delivering natural hormones to their site of action.Synthetic chemicals that have been found to have this capacity include **pesticides** (e.g. the organochlorine **insecticides**, some **herbicides** and some **fungicides**), industrial chemicals (e.g. pentachlorophenol, polychlorinated biphenyls [PCBs], phthalate plasticisers, alkylphenol ethoxylates, bisphenol A) and pharmaceuticals (e.g. diethylstilboestrol [DES] and synthetic hormones in the contraceptive pill and in hormone replacement therapy). There are also naturally occurring chemicals in plants that have been found to have these effects (e.g. phytooestrogens). Naturally occurring hormones found in people and animals (including 17 beta-oestradiol and testosterone) can also interact with **endocrine** systems if they are released into the environment in an active form.These chemicals can enter the environment by:direct, deliberate releases to land or water by chemical users;emissions to air from motor vehicles;emissions to air from various facilities;everyday use of chemicals and pharmaceuticals by householders and commercial users;accidental spills and releases;releases from plants into surrounding soils;indirect release to land or water from urban and rural run-off of stormwater;discharge from sewage treatment plants or pulp mills;disposal of animal wastes on land.Once these chemicals are in the environment, they can be absorbed into the body directly from the air or the water or they can be taken in indirectly via ingestion of food or water. Chemicals that are not broken down during digestive processes can be absorbed into the blood and circulated throughout the organism which can then result in effects on the **endocrine** system.The strongest supporting evidence for **endocrine** disruption involves high-level exposures to some of these chemicals of wildlife or people. Examples include:the effect of the drug diethylstilboestrol (DES) on the children of pregnant women who were given it to prevent miscarriage (the children were found to be significantly affected when exposed in utero - effects included cancer,

malformations and sterility found only when they reached puberty or adulthood);severe infertility in sheep grazing on subterranean clover (containing phytooestrogens) in Western Australia since the 1950s.Other impacts have occurred in wildlife populations exposed only to seemingly low levels of these chemicals. However, disruption of the **endocrine** system appears to be the most likely explanation for these effects. These include:the effect of tributyltin (TBT) anti-fouling paints on gastropods from rocky platforms (female snails developed penes, because TBT causes a build-up of testosterone);the effect of natural hormones, such as 17 beta-oestradiol, from sewage effluent discharged into rivers in the UK (fish have been found to have impaired reproduction).A preliminary study in New South Wales, Australia, has provided limited evidence of **endocrine** disruption in aquatic animals downstream of a sewage treatment plant that discharges secondary treated effluent to a river. Studies at sewage treatment plants overseas indicate that even highly treated effluents are likely to have enough natural and/or synthetic hormones present to cause impacts in fish unless diluted significantly at discharge.During many life stages, especially in mammals, disruption of the **endocrine** system might have little impact on the health of the individual, as feedback mechanisms control hormone signalling very sensitively. However, if an organism is exposed to low doses of these chemicals during a sensitive life stage (such as during foetal development) or is exposed to high doses during most life stages, serious health impacts can result.It has been suggested that Australian marsupials could be susceptible to such effects during early development in the pouch, when they cannot access their mother's protective detoxification systems. There is little available information so detailed research on the reproductive biology of these organisms and their sensitivities to these chemicals may be warranted.There are two critical questions at the heart of this debate:1) Are the current average exposures of people or wildlife high enough to be causing significant effects?2) Are some of the reported adverse effects really related to disruption of the organism's **endocrine** system or are the effects due to some other mechanism?Information about what doses of these chemicals can cause impacts and what doses people and wildlife are being exposed to is currently being gathered through international collaboration and research. Strategies to direct research into areas where information is lacking are being pursued vigorously in the USA and Europe, especially in the area of potential effects in humans. The USA Government has provided $30-50 million to fund research. Chemical manufacturers are also investing significant amounts to gather the knowledge necessary to support decision-making.Many of the chemicals thought to have the capacity to cause these effects - especially the organochlorine **pesticides** - were banned from use in many countries in the 1970s and 1980s, so exposures have been decreasing ever since. However, these chemicals are persistent, and small amounts are still present in the environment. Other chemicals discussed in this review are still in use. Owing to the uncertainty surrounding how much of a chemical is necessary to cause impacts, further research is required to allow determination of the best management approach. Many of these chemicals have a wide range of beneficial uses, and the risk of impacts will need to be weighed against the risk of losing those benefits.

Registry Numbers: 58-22-0: testosterone; 80-05-7: bisphenol A; 50-28-2: 17-beta-estradiol; 87-86-5: pentachlorophenol; 3198-29-6: phthalate
DESCRIPTORS:
Major Concepts: Toxicology; **Endocrine** System--Chemical Coordination and Homeostasis
Biosystematic Names: Amphibia--Vertebrata, Chordata, Animalia; Aves--Vertebrata, Chordata, Animalia; Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia; Invertebrata--Animalia; Mammalia--Vertebrata, Chordata, Animalia; Pisces-- Vertebrata, Chordata, Animalia; Plantae--Plantae; Reptilia--Vertebrata, Chordata, Animalia
Organisms: amphibian (Amphibia); bird (Aves); human (Hominidae); invertebrate (Invertebrata); mammal (Mammalia); fish (Pisces); plant (Plantae); **reptile** (Reptilia)
Organisms: Parts Etc: endocrine system--**endocrine** system
Common Taxonomic Terms: Amphibians; Birds; Humans; Primates; Invertebrates; Mammals; Nonhuman Mammals; Fish; Plants; Animals; Chordates; Nonhuman Vertebrates; **Reptiles**; Vertebrates
Chemicals & Biochemicals: testosterone; hormones; polychlorinated biphenyls {PCBs}; **herbicides** --**pesticide**, **herbicide**; bisphenol A; 17-beta-estradiol; **fungicides**--**pesticide**, **fungicide**; pentachlorophenol; phytoestrogens; phthalate; organochlorine **insecticides**-- **pesticide**, **insecticide**; alkylphenol ethoxylates; synthetic hormones; diethylstilboestrol
Methods & Equipment: hormone replacement therapy--therapeutic and prophylactic techniques,

clinical techniques
Concept Codes:
10060 Biochemistry studies - General
10067 Biochemistry studies - Sterols and steroids
17002 Endocrine - General
22501 Toxicology - General and methods
54600 Pest control: general, pesticides and herbicides
64001 Invertebrata: comparative, experimental morphology, physiology and pathology - General
Biosystematic Codes:
85300 Amphibia
85500 Aves
86215 Hominidae
34000 Invertebrata
85700 Mammalia
85200 Pisces
11000 Plantae
85400 Reptilia

7/9/42 (Item 2 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15827209 **Biosis No.:** 200000545522
Alligators and endocrine disrupting contaminants: A current perspective

Author: Guillette Louis J Jr (Reprint); Crain D Andrew; Gunderson Mark P (Reprint); Kools Stefan A E (Reprint); Milnes Matthew R (Reprint); Orlando Edward F (Reprint); Rooney Andrew A; Woodward Allan R
Author Address: Department of Zoology, University of Florida, Gainesville, FL, 32611, USA** USA
Journal: American Zoologist 40 (3): p 438-452 June, 2000 2000
Medium: print
ISSN: 0003-1569
Document Type: Article; Literature Review
Record Type: Abstract
Language: English

Abstract: Many xenobiotic compounds introduced into the environment by human activity have been shown to adversely affect wildlife. Reproductive disorders in wildlife include altered fertility, reduced viability of offspring, impaired hormone secretion or activity and modified reproductive anatomy. It has been hypothesized that many of these alterations in reproductive function are due to the **endocrine** disruptive effects of various environmental contaminants. The **endocrine** system exhibits an organizational effect on the developing embryo. Thus, a disruption of the normal hormonal signals can permanently modify the organization and future function of the reproductive system. We have examined the reproductive and developmental endocrinology of several populations of American **alligator** (**Alligator** mississippiensis) living in contaminated and reference lakes and used this species as a sentinel species in field studies. We have observed that neonatal and juvenile **alligators** living in **pesticide**-contaminated lakes have altered plasma hormone concentrations, reproductive tract anatomy and hepatic functioning. Experimental studies exposing developing embryos to various persistent and nonpersistent **pesticides**, have produced alterations in gonadal steroidogenesis, secondary sex characteristics and gonadal anatomy. These experimental studies have begun to provide the causal relationships between embryonic **pesticide** exposure and reproductive abnormalities that have been lacking in pure field studies of wild populations. An understanding of the developmental consequences of **endocrine** disruption in wildlife can lead to new indicators of exposure and a better understanding of the most sensitive life stages and the consequences of exposure during these periods.

DESCRIPTORS:
Major Concepts: Endocrine System--Chemical Coordination and Homeostasis; Population Studies; **Toxicology**
Biosystematic Names: Crocodilia--Reptilia, Vertebrata, Chordata, Animalia
Organisms: Alligator mississippiensis {American **alligator**} (**Crocodilia**)--**bioindicator**, embryo
Organisms: Parts Etc: plasma--blood and lymphatics; reproductive tract--reproductive system
Common Taxonomic Terms: Animals; Chordates; Nonhuman Vertebrates; **Reptiles**; Vertebrates
Chemicals & Biochemicals: endocrine disruptors
Miscellaneous Terms: Concept Codes: altered fertility; developmental endocrinology; embryonic **pesticide** exposure; environmental contamination; gonadal steroidogenesis; reproductive function; Literature **Review**
Concept Codes:
37001 Public health - General and miscellaneous
07508 Ecology: environmental biology - Animal
15002 Blood - Blood and lymph studies
15004 Blood - Blood cell studies
16504 Reproductive system - Physiology and biochemistry
17002 Endocrine - General
22501 Toxicology - General and methods
25502 Development and Embryology - General and descriptive
Biosystematic Codes:
85404 **Crocodilia**

7/9/43 (Item 3 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

14724467 **Biosis No.:** 199800518714
Environmental toxicants and female reproduction

Author: Sharara Fady I (Reprint); Seifer David B; Flaws Jodi A
Author Address: University Maryland School Medicine, 405 West Redwood Street, Baltimore, MD 21201-1703, USA**USA
Journal: Fertility and Sterility 70 (4): p 613-622 Oct., 1998 1998
Medium: print
ISSN: 0015-0282
Document Type: Article; Literature Review
Record Type: Abstract
Language: English

Abstract: Objective: To review current knowledge on the potential effects of environmental **toxicants** on female reproduction in laboratory animals, wildlife, and humans. Design: Published literature about the effects of **endocrine** disruptors, heavy metals, solvents, **pesticides**, plastics, industrial chemicals, and cigarette smoke on female reproduction. Result(s): Published data indicate that chemical exposures may cause alterations in reproductive behavior and contribute to subfecundity, infertility, pregnancy loss, growth retardation, intrauterine fetal demise, birth defect, and ovarian failure in laboratory animals and wildlife. Data on the association of chemical exposures and adverse reproductive outcomes in humans are equivocal and often controversial. Some studies indicate that chemical exposures are associated with infertility, spontaneous abortion, or reproductive cancer in women. In contrast, other studies indicate that there is no association between chemical exposures and adverse reproductive outcomes. The reasons for ambiguous findings in human studies are unknown but likely include the fact that many studies are limited by multiple confounders, inadequate methodology, inappropriate endpoints, and small sample size. The mechanism by which chemicals alter reproductive function in all

species is complex and may involve hormonal and/or immune disruption, DNA adduct formation, altered cellular proliferation, or inappropriate cellular death. Conclusion(s): Studies are needed to clarify which **toxicants** affect human reproduction and by which mechanisms of action. Furthermore, methods should be developed to minimize exposure to known reproductive **toxicants** such as dioxins and cigarette smoke.

Registry Numbers: 828-00-2Q: dioxins; 1746-01-6Q: dioxins
DESCRIPTORS:
Major Concepts: Reproductive System--Reproduction; **Toxicology**
Biosystematic Names: Animalia--Animalia; Aves--Vertebrata, Chordata, Animalia; Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia; Mollusca--Invertebrata, Animalia; Pisces--Vertebrata, Chordata, Animalia; Reptilia--Vertebrata, Chordata, Animalia
Organisms: wildlife (Animalia)--female; birds (Aves); human (Hominidae)--female; marine mollusks (Mollusca); fish (Pisces); **reptiles** (Reptilia)
Common Taxonomic Terms: Birds; Humans; Mammals; Primates; Invertebrates; Mollusks; Fish; Animals; Chordates; Nonhuman Vertebrates; **Reptiles**; Vertebrates
Diseases: birth defects--congenital disease; infertility--reproductive system disease, reproductive system disease/male, reproductive system disease/female; pregnancy loss--reproductive system disease/female; subfecundity
Mesh Terms: Infertility (MeSH)
Chemicals & Biochemicals: cigarette smoke--toxin; dioxins; **endocrine** disruptors; environmental **toxicants**; heavy metals--toxin; immunotoxins; industrial chemicals; organic solvents--toxin; **pesticides**--toxin
Miscellaneous Terms: Concept Codes: growth retardation; hormonal disruption; immune disruption; intrauterine fetal demise; reproductive behavior; reproductive function; Literature **Review**
Concept Codes:
22501 Toxicology - General and methods
07003 Behavioral biology - Animal behavior
07004 Behavioral biology - Human behavior
16501 Reproductive system - General and methods
17002 Endocrine - General
64026 Invertebrata: comparative, experimental morphology, physiology and pathology - Mollusca
Biosystematic Codes:
33000 Animalia
85500 Aves
86215 Hominidae
61000 Mollusca
85200 Pisces
85400 Reptilia

7/9/44 (Item 4 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13773754 **Biosis No.:** 199799407814
Endocrine-disrupting environmental contaminants: Is the oestrogen theory a good model?

Author: Ringvold Sigrun (Reprint); Rottingen John-Arne
Author Address: Norges Naturvernforbund, Postboks 2113 Grunerlokka, 0505 Oslo, Norway** Norway
Journal: Tidsskrift for den Norske Laegeforening 117 (1): p 66-70 1997 1997
ISSN: 0029-2001
Document Type: Article; Literature Review
Record Type: Abstract

Language: Norwegian

Abstract: Lately, a theory on possible oestrogenic effects of environmental contaminants like PCB, dioxin and some **pesticides**, has caused much concern. The "oestrogen theory" states that persistent, bioaccumulating chemicals affect foetal development by acting like oestrogens. This results in permanent changes, of the reproductive organs in particular, and leads to reduced reproductive success. The theory is based to a large degree on reports on animals from the Great Lakes region in North America, **alligators** from Florida and fish from rivers in Great Britain. Now that a decline in human semen quality over the last 50 years has been reported, the question has been raised as to whether this too may be a result of environmental oestrogens. The higher incidence of other diseases like hypospadia, cryptorchidism and testicular cancer also indicates that something may be affecting the reproductive health of the male. Whether the higher incidence of endometriosis and breast cancer can be explained by the hypothesis is questioned. That several environmental contaminants have oestrogenic effects, has been documented. Recent studies have shown that the contaminants have more general **endocrine**-disrupting effects, thereby indicating that the oestrogen model is too simple. It is a dilemma for environmental medicine whether the present knowledge gives sufficient reason to apply the precautionary principle and demand specific regulations.

DESCRIPTORS:
Major Concepts: Endocrine System--Chemical Coordination and Homeostasis; Pollution Assessment Control and Management; **Toxicology**
Biosystematic Names: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia
Organisms: human (Hominidae)
Common Taxonomic Terms: Animals; Chordates; Humans; Mammals; Primates; Vertebrates
Miscellaneous Terms: Concept Codes: CLINICAL ENDOCRINOLOGY; **ENDOCRINE**-DISRUPTING ENVIRONMENTAL CONTAMINANTS; ESTROGEN THEORY; FEMALE; MALE; POLLUTION; Literature **Review**
Concept Codes:
10060 Biochemistry studies - General
17002 Endocrine - General
22504 Toxicology - Pharmacology
37015 Public health - Air, water and soil pollution
Biosystematic Codes:
86215 Hominidae

7/9/45 (Item 5 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05864508 **Biosis No.:** 198019040997
EFFECTS OF ENVIRONMENTAL CONTAMINANTS ON REPTILES A REVIEW

Author: HALL R J (Reprint)
Author Address: US FISH WILDL SERV, PATUXENT WILDL RES CENT, LAUREL, MD 20811, USA**USA
Journal: U S Fish and Wildlife Service Special Scientific Report-Wildlife (228): p 1-12 1980
ISSN: 0096-123X
Document Type: Article
Record Type: Citation
Language: ENGLISH
Descriptors: REVIEW SNAKE ORGANO CHLORINE **PESTICIDE** ENZYME **MORTALITY** REPRODUCTIVE EFFECT
DESCRIPTORS:
Major Concepts: Ecology--Environmental Sciences; Enzymology--Biochemistry and Molecular

Biophysics; Pest Assessment Control and Management; Reproductive System-- Reproduction; **Toxicology**
Biosystematic Names: Reptilia--Vertebrata, Chordata, Animalia; Serpentes--Reptilia, Vertebrata, Chordata, Animalia
Common Taxonomic Terms: Animals; Chordates; Nonhuman Vertebrates; **Reptiles**; Vertebrates
Concept Codes:
07508 Ecology: environmental biology - Animal
10010 Comparative biochemistry
10060 Biochemistry studies - General
10064 Biochemistry studies - Proteins, peptides and amino acids
10802 Enzymes - General and comparative studies: coenzymes
10804 Enzymes - Methods
10808 Enzymes - Physiological studies
12510 Pathology - Necrosis
13002 Metabolism - General metabolism and metabolic pathways
13012 Metabolism - Proteins, peptides and amino acids
16501 Reproductive system - General and methods
16506 Reproductive system - Pathology
22506 Toxicology - Environment and industry
37015 Public health - Air, water and soil pollution
54600 Pest control: general, pesticides and herbicides
Biosystematic Codes:
85400 Reptilia
85410 Serpentes

7/9/46 (Item 6 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05812572 **Biosis No.:** 198018051563
THE USE OF IN-VITRO TECHNIQUES TO STUDY THE COMPARATIVE METABOLISM OF XENOBIOTICS

Book Title: PAULSON, G. D., D. S. FREAR AND E. P. MARKS (ED.). ACS(AMERICAN CHEMICAL SOCIETY) SYMPOSIUM SERIES, VOL. 97. XENOBIOTIC METABOLISM: IN VITRO METHODS: A SYMPOSIUM AT THE 176TH MEETING OF THE AMERICAN CHEMICAL SOCIETY, MIAMI, FLA., USA, SEPT. L0-L5, L978. VIII+328P. AMERICAN CHEMICAL SOCIETY: WASHINGTON, D. C., USA. ILLUS
Author: TERRIERE L C (Reprint)
Author Address: DEP ENTOMOL, OREG STATE UNIV, CORVALLIS, OREG 97331, USA**USA
Series Title: ACS Symposium Series p P285-320 1979
ISSN: 0097-6156 **ISBN:** 0-8412-0486-1
Document Type: Book
Record Type: Citation
Language: ENGLISH
Registry Numbers: 470-90-6: CHLORFENVINPHOS; 333-41-5: DIAZINON; 60-57-1: DIELDRIN; 63-25-2: CARBARYL; 14762-75-5: CARBON-14
Descriptors: REVIEW EEL **LIZARD** TROUT RAT RABBIT PIGEON MOUSE QUAIL GUINEA-PIG RABBIT DOG HAMSTER INSECT LUNG LIVER CHLORFENVINPHOS DIAZINON DIELDRIN ANALOG CARBARYL **INSECTICIDE** ENZYME COLUMN CHROMATOGRAPHY CARBON-14 SEX AGE
DESCRIPTORS:
Major Concepts: Digestive System--Ingestion and Assimilation; Enzymology--Biochemistry and Molecular Biophysics; Pest Assessment Control and Management; Pharmacology; Respiratory System-

-Respiration; **Toxicology**
Biosystematic Names: Insecta--Arthropoda, Invertebrata, Animalia; Osteichthyes--Pisces, Vertebrata, Chordata, Animalia; Sauria--Reptilia, Vertebrata, Chordata, Animalia; Columbiformes--Aves, Vertebrata, Chordata, Animalia; Galliformes --Aves, Vertebrata, Chordata, Animalia; Canidae--Carnivora, Mammalia, Vertebrata, Chordata, Animalia; Leporidae--Lagomorpha, Mammalia, Vertebrata , Chordata, Animalia; Caviidae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia; Cricetidae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia; Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia
Common Taxonomic Terms: Arthropods; Insects; Invertebrates; Fish; **Reptiles**; Birds; Carnivores; Lagomorphs; Animals; Chordates; Mammals; Nonhuman Vertebrates; Nonhuman Mammals; Rodents; Vertebrates
Chemicals & Biochemicals: CHLORFENVINPHOS; DIAZINON; DIELDRIN; CARBARYL; CARBON-14
Concept Codes:
02506 Cytology - Animal
03510 Genetics - Sex differences
06504 Radiation biology - Radiation and isotope techniques
07517 Ecology: environmental biology - Water research and fishery biology
10010 Comparative biochemistry
10060 Biochemistry studies - General
10064 Biochemistry studies - Proteins, peptides and amino acids
10504 Biophysics - Methods and techniques
10802 Enzymes - General and comparative studies: coenzymes
10804 Enzymes - Methods
10808 Enzymes - Physiological studies
12100 Movement
13012 Metabolism - Proteins, peptides and amino acids
14001 Digestive system - General and methods
14004 Digestive system - Physiology and biochemistry
16001 Respiratory system - General and methods
16004 Respiratory system - Physiology and biochemistry
22003 Pharmacology - Drug metabolism and metabolic stimulators
22501 Toxicology - General and methods
22506 Toxicology - Environment and industry
25508 Development and Embryology - Morphogenesis
32600 In vitro cellular and subcellular studies
37015 Public health - Air, water and soil pollution
54600 Pest control: general, pesticides and herbicides
60016 Economic entomology - Chemical
64076 Invertebrata: comparative, experimental morphology, physiology and pathology - Insecta: physiology
64078 Invertebrata: comparative, experimental morphology, physiology and pathology - Insecta: pathology
Biosystematic Codes:
75300 Insecta
85206 Osteichthyes
85408 Sauria
85524 Columbiformes
85536 Galliformes
85765 Canidae
86040 Leporidae
86300 Caviidae
86310 Cricetidae
86375 Muridae

7/9/47 (Item 7 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03954864 **Biosis No.:** 197254011378
CONCISE REVIEW OF PRACTICAL TOXICOLOGY

Author: BERNABEO R
Journal: Giornale di Batteriologia Virologia ed Immunologia Annali dell'Ospedale Maria Vittoria di Torino Parte II Sezione Clinica 64 (1-4): p 96-125 1971
Document Type: Article
Record Type: Citation
Language: Unspecified
Registry Numbers: 26983-52-8D: DI PHENOLS; 62-53-3: ANILINE; 630-08-0: CARBON MON OXIDE; 7697-37-2: NITRIC-ACID
Descriptors: BRESCIA ITALY **SNAKES** DI PHENOLS HISTORY METALS HALOGENS **PESTICIDES** DRUGS ANILINE CARBON MON OXIDE ANIMAL POISONS NITRIC-ACID FOOD MUSHROOMS
DESCRIPTORS:
Major Concepts: Biochemistry and Molecular Biophysics; History; Nutrition; Pest Assessment Control and Management; Public Health--Allied Medical Sciences; **Toxicology**
Biosystematic Names: Fungi--Plantae; Reptilia--Vertebrata, Chordata, Animalia
Common Taxonomic Terms: Fungi; Microorganisms; Nonvascular Plants; Plants; Animals; Chordates; Nonhuman Vertebrates; **Reptiles**; Vertebrates
Chemicals & Biochemicals: DI PHENOLS; ANILINE; CARBON MON OXIDE; NITRIC-ACID
Concept Codes:
00522 General biology - History and archaeology
10060 Biochemistry studies - General
10069 Biochemistry studies - Minerals
13216 Nutrition - Pathogenic diets
22501 Toxicology - General and methods
22502 Toxicology - Foods, food residues, additives and preservatives
22504 Toxicology - Pharmacology
22506 Toxicology - Environment and industry
37012 Public health - Health services and medical care
51522 Plant physiology - Chemical constituents
54000 Pharmacognosy and pharmaceutical botany
54600 Pest control: general, pesticides and herbicides
Biosystematic Codes:
15000 Fungi
85400 Reptilia

7/9/48 (Item 8 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000659396 **Biosis No.:** 19502400030718
Review of weed control studies in Louisiana

Author: BROWN CLAIR A
Journal: PROC SOUTHERN WEED CONF 1 p 28-30 1948 1948
Document Type: Article

Record Type: Abstract
Language: Unspecified

Abstract: A review of weed control research in Louisiana including bio-assay technics for determining relative **toxicity** of **herbicides**, weed control in forest nurseries, **alligator** weed control in sugar cane and in canals, rice fields, Johnson grass in sugar cane and along ditch banks and pre-emergence appln. of **herbicides** to cotton. ABSTRACT AUTHORS: W. B. Albert

Registry Numbers: 57-50-1: sugar
DESCRIPTORS:
Major Concepts: Agronomy--Agriculture
Biosystematic Names: Amaranthaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae; Gramineae--Monocotyledones, Angiospermae, Spermatophyta, Plantae; Malvaceae --Dicotyledones, Angiospermae, Spermatophyta, Plantae; Plantae--Plantae; Tracheophyta--Plantae
Organisms: alligator weed (Amaranthaceae); grass (Gramineae); sugar cane (Gramineae); rice (Gramineae); cotton (Malvaceae); plant (Plantae); weed (Tracheophyta)
Common Taxonomic Terms: Monocots; Angiosperms; Dicots; Spermatophytes; Plants; Vascular Plants
Chemicals & Biochemicals: sugar; **herbicides**
Geographical Name: Louisiana (USA, North America) (Nearctic region)
Concept Codes:
52518 Agronomy - Weed control
Biosystematic Codes:
25555 Amaranthaceae
25305 Gramineae
26330 Malvaceae
11000 Plantae
22000 Tracheophyta

? **T8/6/1-586**

8/6/1 (Item 1 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009760484 **CAB Accession Number:** 20093041788
Comparative antibiotic therapy in reptiles.

Book Title: British Veterinary Zoological Society Proceedings of the November Meeting 2007. The University of Nottingham School of Veterinary Medicine and Science, Nottingham, UK, 10th-11th November, 2007. Recent advances in **comparative** medicine
Publication Year: 2007

8/6/2 (Item 2 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009745372 **CAB Accession Number:** 20093038911
Organochlorine pesticide levels in loggerhead turtles (Caretta caretta) stranded in the Canary Islands, Spain.

Publication Year: 2008

8/6/3 (Item 3 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009738632 **CAB Accession Number:** 20093029551
Characterization of Salmonella isolates from retail foods based on serotyping, pulse field gel electrophoresis, antibiotic resistance and other phenotypic properties.

Publication Year: 2009

8/6/4 (Item 4 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009728964 **CAB Accession Number:** 20093005608
Alligator tales: new lessons about environmental contaminants from a sentinel species.

Publication Year: 2008

8/6/5 (Item 5 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009691411 **CAB Accession Number:** 20083305564
Effects of atrazine on fish, amphibians, and aquatic reptiles: a critical review.

Publication Year: 2008

8/6/6 (Item 6 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009679739 **CAB Accession Number:** 20083290723
Toxicity of arsenic (sodium arsenite) to fresh water Spotted Snakehead Channa punctatus (Bloch) on cellular death and DNA content.

Publication Year: 2008

8/6/7 (Item 7 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009671416 **CAB Accession Number:** 20083274445
An outbreak of chlamydiosis in farmed Indopacific crocodiles (Crocodylus porosus).

Publication Year: 2008

8/6/8 (Item 8 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009669532 **CAB Accession Number:** 20083278839
Morphological and functional changes in the thyroid gland of methyl thiophanate-injected lizards, Podarcis sicula .

Publication Year: 2008

8/6/9 (Item 9 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009659372 **CAB Accession Number:** 20083264505
Brain cholinesterase response in the snakehead fish (Channa striata) after field exposure to diazinon.

Publication Year: 2008

8/6/10 (Item 10 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009658640 **CAB Accession Number:** 20083263572
Spermatogenesis, epididymis morphology and plasma sex steroid secretion in the male lizard Podarcis sicula exposed to diuron.

Publication Year: 2008

8/6/11 (Item 11 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009658318 **CAB Accession Number:** 20083263240
Temporal and spatial patterns of contaminants in Lake Erie watersnakes (Nerodia sipedon insularum) before and after the round goby (Apollonia melanostomus) invasion.

Publication Year: 2008

8/6/12 (Item 12 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009651837 **CAB Accession Number:** 20083254837
Inhibition of Na SUP + -K SUP + -ATPase in different tissues of freshwater fish Channa punctatus (Bloch) exposed to monocrotophos.

Publication Year: 2008

8/6/13 (Item 13 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009643994 **CAB Accession Number:** 20083244767
The pharmacological properties of anisodamine.

Publication Year: 2007

8/6/14 (Item 14 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009639137 **CAB Accession Number:** 20083225455
Alteration in haematology of Channa punctatus (Bloch).

Publication Year: 2008

8/6/15 (Item 15 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009617587 **CAB Accession Number:** 20083214636
Pesticide contamination profiles of water, sediment and aquatic organisms in the effluent of Gaobeidian wastewater treatment plant.

Publication Year: 2008

8/6/16 (Item 16 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009609719 **CAB Accession Number:** 20083020251
The application of Traditional Chinese Medicine in the treatment of severe cerebrovascular diseases with acute lung injury as complications.

Publication Year: 2007

8/6/17 (Item 17 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009580842 **CAB Accession Number:** 20083172852
Special Issue: Toxicology.

Publication Year: 2008

8/6/18 (Item 18 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009550538 **CAB Accession Number:** 20083136382
Pathology, physiologic parameters, tissue contaminants, and tissue thiamine in morbid and healthy Central Florida adult American alligators (Alligator mississippiensis).

Publication Year: 2008

8/6/19 (Item 19 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009538927 **CAB Accession Number:** 20083125179
The first poison control center in Vietnam: experiences of its initial years.

Publication Year: 2008

8/6/20 (Item 20 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009500091 **CAB Accession Number:** 20083065192
Isolation, determination and antimicrobial susceptibility test of the Citrobacter freundii septicemia from soft shelled turtle Trionyx sinensis .

Publication Year: 2008

8/6/21 (Item 21 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009497699 **CAB Accession Number:** 20083075842
Shed skin of Ophiophagus hannah : structural topography and in vitro permeation of nicotine and phenol.

Publication Year: 2007

8/6/22 (Item 22 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009491844 **CAB Accession Number:** 20083068043
Geographic specificity of Aroclor 1268 in bottlenose dolphins (Tursiops truncatus) frequenting the Turtle/Brunswick River Estuary, Georgia (USA).

Publication Year: 2008

8/6/23 (Item 23 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009463773 **CAB Accession Number:** 20083023378
The effects of the fungicide thiophanate methyl on the adrenal gland of reptilian and amphibian bioindicator organisms: differences in the response to endocrine disruptors.

Book Title: Evolutionary molecular strategies and plasticity
Publication Year: 2007

8/6/24 (Item 24 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009451470 **CAB Accession Number:** 20083021837
Review on safety of the entomopathogenic fungus Metarhizium anisopliae .

Publication Year: 2007

8/6/25 (Item 25 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009445545 **CAB Accession Number:** 20083016993
A human case of Plagiorchis vespertilionis (Digenea: Plagiorchiidae) infection in the Republic of Korea.

Publication Year: 2007

8/6/26 (Item 26 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009438180 **CAB Accession Number:** 20083007856
Snapping turtles (Chelydra serpentina) as bioindicators in Canadian Areas of Concern in the Great Lakes Basin. 1. Polybrominated diphenyl ethers, polychlorinated biphenyls, and organochlorine pesticides in eggs.

Publication Year: 2007

8/6/27 (Item 27 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009435559 **CAB Accession Number:** 20073092617
The application of Traditional Chinese Medicine in the treatment of diabetic nephropathy.

Publication Year: 2006

8/6/28 (Item 28 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009417467 **CAB Accession Number:** 20073289577
PCB, DDT, arsenic, and heavy metal (Cd, Cu, Pb, and Zn) concentrations in chameleon (Chamaeleo chamaeleon) eggs from Southwest Spain.

Publication Year: 2007

8/6/29 (Item 29 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009417302 **CAB Accession Number:** 20073289734
Parental exposure to pesticides and poor clutch viability in American alligators.

Publication Year: 2007

8/6/30 (Item 30 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009415274 **CAB Accession Number:** 20063169648
Wugonglongshe Decoction in the treatment of rheumatoid arthritis.

Publication Year: 2005

8/6/31 (Item 31 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009408159 **CAB Accession Number:** 20073283968
In ovum exposure to pesticides increases the egg weight loss and decreases hatchlings weight of

Caiman latirostris (Crocodylia: Alligatoridae).

Publication Year: 2007

8/6/32 (Item 32 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009382266 **CAB Accession Number:** 20073250979
Comparative studies of the anti-leishmanial activity of three Crotalus durissus ssp. venoms.

Publication Year: 2007

8/6/33 (Item 33 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009376839 **CAB Accession Number:** 20073237262
Tail necrosis, fungi and floppy python syndrome.

Book Title: Small animal and exotics. Proceedings of the North American Veterinary Conference, Volume 21, Orlando, Florida, USA, 2007
Publication Year: 2007

8/6/34 (Item 34 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009348078 **CAB Accession Number:** 20073215886
Malathion, carbofuran and paraquat inhibit Bungarus sindanus (krait) venom acetylcholinesterase and human serum butyrylcholinesterase in vitro.

Publication Year: 2007

8/6/35 (Item 35 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009345313 **CAB Accession Number:** 20073219683
The effects of the fungicide methyl thiophanate on adrenal gland morphophysiology of the lizard, Podarcis sicula .

Publication Year: 2007

8/6/36 (Item 36 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009344015 **CAB Accession Number:** 20073166225
Impaired terrestrial and arboreal locomotor performance in the western fence lizard (Sceloporus occidentalis) after exposure to an AChE-inhibiting pesticide.

Publication Year: 2007

8/6/37 (Item 37 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009335243 **CAB Accession Number:** 20073202297
Sexual dimorphic responses in wildlife exposed to endocrine disrupting chemicals.

Publication Year: 2007

8/6/38 (Item 38 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009334499 **CAB Accession Number:** 20073203574
Review on safety of the entomopathogenic fungi Beauveria bassiana and Beauveria brongniartii .

Publication Year: 2007

8/6/39 (Item 39 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009321878 **CAB Accession Number:** 20073186261
Metals and organochlorine pesticides in caudal scutes of crocodiles from Belize and Costa Rica.

Publication Year: 2007

8/6/40 (Item 40 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009296552 **CAB Accession Number:** 20073152473
Toxicity of diquat and endothall to eastern spiny softshell turtles (Apalone spinifera spinifera).

Publication Year: 2007

8/6/41 (Item 41 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009291153 **CAB Accession Number:** 20073149338
Polychlorinated biphenyls and other chlorinated organic contaminants in the tissues of Mediterranean loggerhead turtle Caretta caretta .

Publication Year: 2007

8/6/42 (Item 42 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009285339 **CAB Accession Number:** 20073045400
Cryptosporidiosis in snakes.

Publication Year: 2007

8/6/43 (Item 43 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009280993 **CAB Accession Number:** 20073107351
The successful eradication of introduced roof rats (Rattus rattus) from Buck Island using diphacinone, followed by an irruption of house mice (Mus musculus).

Publication Year: 2007

8/6/44 (Item 44 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009280913 **CAB Accession Number:** 20073108390
Florida seagrass habitat evaluation: a comparative survey for chemical quality.

Publication Year: 2007

8/6/45 (Item 45 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009269990 **CAB Accession Number:** 20073120239
Use of the Nile monitor, Varanus niloticus L (Reptilia: Varanidae), as a bioindicator of organochlorine pollution in African wetlands.

Publication Year: 2006

8/6/46 (Item 46 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009265108 **CAB Accession Number:** 20073113099
PPARalpha mediates the effects of the pesticide methyl thiophanate on liver of the lizard Podarcis sicula .

Publication Year: 2007

8/6/47 (Item 47 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009264513 **CAB Accession Number:** 20073114751
Emerging tick-borne disease in African vipers caused by a Cowdria -like organism.

Publication Year: 2006

8/6/48 (Item 48 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009257918 **CAB Accession Number:** 20073054531
Ecological impacts of Bacillus thuringiensis -based insecticides.

Book Title: Current trends in microbiology, Volume 1
Publication Year: 2004

8/6/49 (Item 49 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009244960 **CAB Accession Number:** 20073093099
Pharmacokinetics of acyclovir after a single oral administration in marginated tortoises, Testudo marginata .

Publication Year: 2007

8/6/50 (Item 50 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009209919 **CAB Accession Number:** 20073035043
Antimicrobial activity of omwaprin, a new member of the waprin family of snake venom proteins.

Publication Year: 2007

8/6/51 (Item 51 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009202001 **CAB Accession Number:** 20073020888
Abstracts of lectures, papers and posters presented at Toxocon-1, the inaugural conference of the Indian Society of Toxicology, Cochin, India, 28 November, 2005.

Publication Year: 2006

8/6/52 (Item 52 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009197579 **CAB Accession Number:** 20073046232
A note on cause of mortality in star tortoises.

Publication Year: 2006

8/6/53 (Item 53 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009188984 **CAB Accession Number:** 20073033160
Blood values in free-ranging nesting leatherback sea turtles (Dermochelys coriacea) on the coast of the Republic of Gabon.

Publication Year: 2006

8/6/54 (Item 54 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009171106 **CAB Accession Number:** 20063234854
Organochlorine contaminants in complete clutches of Morelet's crocodile (Crocodylus moreletii) eggs from Belize.

Publication Year: 2006

8/6/55 (Item 55 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009171096 **CAB Accession Number:** 20063235122
An overview of snake conservation in the West Indies.

Publication Year: 2006

8/6/56 (Item 56 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009170374 **CAB Accession Number:** 20073011377
Non-transmissible diseases.

Book Title: Crocodiles: biology, husbandry and diseases
Publication Year: 2003

8/6/57 (Item 57 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009163468 **CAB Accession Number:** 20063218179
Toxicity of glyphosate as Glypro(R) and LI700 to red-eared slider (Trachemys scripta elegans) embryos and early hatchlings.

Publication Year: 2006

8/6/58 (Item 58 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009162531 **CAB Accession Number:** 20063222420
Endocrine disrupters and female reproductive health.

Publication Year: 2006

8/6/59 (Item 59 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009148976 **CAB Accession Number:** 20063173903
Environmental contaminants and biomarker responses in fish from the Columbia River and its tributaries: spatial and temporal trends.

Publication Year: 2006

8/6/60 (Item 60 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009124872 **CAB Accession Number:** 20063206050
Phytoestrogen signaling and symbiotic gene activation are disrupted by endocrine-disrupting chemicals.

Publication Year: 2004

8/6/61 (Item 61 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009123169 **CAB Accession Number:** 20063173544
The residues and pharmacokinetics of florphenicol in Trionyx sinensis following intramascular injection and oral administration.

Publication Year: 2006

8/6/62 (Item 62 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009122883 **CAB Accession Number:** 20063174314
Polychlorinated biphenyls and organochlorine pesticide levels in tissues of Caretta caretta from the Adriatic Sea.

Publication Year: 2006

8/6/63 (Item 63 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009117457 **CAB Accession Number:** 20063193473
Evaluation of an implanted osmotic pump for delivery of amikacin to corn snakes (Elaphe guttata guttata).

Publication Year: 2006

8/6/64 (Item 64 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009112637 **CAB Accession Number:** 20063163350
Careful steps for adder bites.

Publication Year: 2006

8/6/65 (Item 65 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009107237 **CAB Accession Number:** 20063183411
Effect of acute exposure to malathion and lead on sprint performance of the western fence lizard (Sceloporus occidentalis).

Publication Year: 2006

8/6/66 (Item 66 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009096858 **CAB Accession Number:** 20063149032
A case of eosinophilic meningitis following monitor lizard meat consumption, exacerbated by anthelminthics.

Publication Year: 2005

8/6/67 (Item 67 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009096589 **CAB Accession Number:** 20063149471
The impact of brodifacoum on non-target wildlife: gaps in knowledge.

Publication Year: 2006

8/6/68 (Item 68 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009083140 **CAB Accession Number:** 20063111727
Sensitivity of brain cholinesterase activity to diazinon (Basudin 50EC) and fenobucarb (Bassa 50EC) insecticides in the air-breathing fish Channa striata (Bloch, 1793).

Publication Year: 2006

8/6/69 (Item 69 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009083128 **CAB Accession Number:** 20063111993
Influence of body size on swimming performance of four species of neonatal natricine snakes acutely exposed to a cholinesterase-inhibiting pesticide.

Publication Year: 2006

8/6/70 (Item 70 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009070254 **CAB Accession Number:** 20063132901
Necropsy findings in American alligator late-stage embryos and hatchlings from Northcentral Florida lakes contaminated with organochlorine pesticides.

Publication Year: 2006

8/6/71 (Item 71 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009052996 **CAB Accession Number:** 20063079530
Bactericidal and antiendotoxic properties of short cationic peptides derived from a snake venom Lys49 phospholipase A SUB 2 .

Publication Year: 2005

8/6/72 (Item 72 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009034546 **CAB Accession Number:** 20063095127
Pesticides and the disruption of the enzyme aromatase.

Publication Year: 2006

8/6/73 (Item 73 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022893 **CAB Accession Number:** 20063068754
Toxicology of reptiles.

Toxicology of **reptiles**
Publication Year: 2006

8/6/74 (Item 74 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022892 **CAB Accession Number:** 20063068760
Reptilian genotoxicity.

Book Title: Toxicology of **reptiles**
Publication Year: 2006

8/6/75 (Item 75 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022891 **CAB Accession Number:** 20063068761
Reptile ecotoxicology: studying the effects of contaminants on populations.

Book Title: Toxicology of reptiles
Publication Year: 2006

8/6/76 (Item 76 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022890 **CAB Accession Number:** 20063068762
Use of tissue residues in reptile ecotoxicology: a call for integration and experimentalism.

Book Title: Toxicology of **reptiles**
Publication Year: 2006

8/6/77 (Item 77 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022889 **CAB Accession Number:** 20063068763
Tools for assessing contaminant exposure and effects in reptiles.

Book Title: Toxicology of **reptiles**
Publication Year: 2006

8/6/78 (Item 78 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022619 **CAB Accession Number:** 20063068757
Developmental and reproductive effects.

Book Title: Toxicology of **reptiles**
Publication Year: 2006

8/6/79 (Item 79 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022618 **CAB Accession Number:** 20063068758
Neurotoxicology and behavioral effects in reptiles.

Book Title: Toxicology of **reptiles**
Publication Year: 2006

8/6/80 (Item 80 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009021631 **CAB Accession Number:** 20063068756
Hepatic, renal, and adrenal toxicology.

Book Title: Toxicology of **reptiles**
Publication Year: 2006

8/6/81 (Item 81 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009021033 **CAB Accession Number:** 20063068759
Immunotoxicology and implications for reptilian health.

Book Title: Toxicology of **reptiles**
Publication Year: 2006

8/6/82 (Item 82 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009012200 **CAB Accession Number:** 20063041323
Effects of environmentally relevant concentrations of atrazine on gonadal development of snapping turtles (Chelydra serpentina).

Publication Year: 2006

8/6/83 (Item 83 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008983635 **CAB Accession Number:** 20063042726
Effects of organochlorine contaminants on loggerhead sea turtle immunity: comparison of a correlative field study and in vitro exposure experiments.

Publication Year: 2006

8/6/84 (Item 84 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008977878 **CAB Accession Number:** 20063013424
Effect of temperature on toxicity of a natural pyrethrin pesticide to green anole lizards (Anolis carolinensis).

Publication Year: 2005

8/6/85 (Item 85 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008963106 **CAB Accession Number:** 20063005340
Developmental alterations as a result of in ovo exposure to the pesticide metabolite p,pprime - DDE in Alligator mississippiensis .

Publication Year: 2005

8/6/86 (Item 86 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008949525 **CAB Accession Number:** 20053185745
Organochlorine detection in the shed skins of snakes.

Publication Year: 2005

8/6/87 (Item 87 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008948269 **CAB Accession Number:** 20053209298
Comparative bio-efficacy of different rodenticides against field rats and their impact on non-target organisms.

Publication Year: 2005

8/6/88 (Item 88 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008930938 **CAB Accession Number:** 20053197295
Use of skin and blood as nonlethal indicators of heavy metal contamination in northern water snakes (Nerodia sipedon).

Publication Year: 2005

8/6/89 (Item 89 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008930937 **CAB Accession Number:** 20053197296
Heavy metal concentrations in northern water snakes (Nerodia sipedon) from East Fork Poplar Creek and the Little River, East Tennessee, USA.

Publication Year: 2005

8/6/90 (Item 90 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008930935 **CAB Accession Number:** 20053197298
Retrospective ecotoxicological data and current information needs for terrestrial vertebrates residing in coastal habitat of the United States.

Publication Year: 2005

8/6/91 (Item 91 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008921227 **CAB Accession Number:** 20053186017
Azithromycin.

Publication Year: 2005

8/6/92 (Item 92 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008910394 **CAB Accession Number:** 20053167129
Lizards used as bioindicators to monitor pesticide contamination in sub-Saharan Africa: a review.

Publication Year: 2005

8/6/93 (Item 93 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008880148 **CAB Accession Number:** 20053137212
The modelling and analysis of neotropical wetlands; focus on the Esteros del Ibera.

Publication Year: 2005

8/6/94 (Item 94 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008869861 **CAB Accession Number:** 20053118174
An epidemiological study of poisoning cases reported to the National Poisons Information Centre, All India Institute of Medical Sciences, New Delhi.

Publication Year: 2005

8/6/95 (Item 95 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008864308 **CAB Accession Number:** 20053120630
Aspects of constitutive and acquired antibioresistance in Aeromonas hydrophila strains isolated from water sources.

Publication Year: 2003

8/6/96 (Item 96 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008833152 **CAB Accession Number:** 20053078145
Gnathostomiasis.
Original Title: La gnathostomose.
Publication Year: 2005

8/6/97 (Item 97 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008828722 **CAB Accession Number:** 20053077918
Aeromonas hydrophila -associated skin lesions and septicaemia in a Nile crocodile (Crocodylus niloticus).

Publication Year: 2005

8/6/98 (Item 98 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008815561 **CAB Accession Number:** 20053068015
Antiviral activity of serum from the American alligator (Alligator mississippiensis).

Publication Year: 2005

8/6/99 (Item 99 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008814147 **CAB Accession Number:** 20053059986
Investigative immunotoxicology.

Investigative immunotoxicology
Publication Year: 2005

8/6/100 (Item 100 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008813751 **CAB Accession Number:** 20053059987
Reptiles : the research potential of an overlooked taxon in immunotoxicology.

Book Title: Investigative immunotoxicology
Publication Year: 2005

8/6/101 (Item 101 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008813287 **CAB Accession Number:** 20053061315
Fipronil.

Publication Year: 2005

8/6/102 (Item 102 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008799799 **CAB Accession Number:** 20053037945
Organochlorine pesticides and mercury in cottonmouths (Agkistrodon piscivorus) from Northeastern Texas, USA.

Publication Year: 2005

8/6/103 (Item 103 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008792936 **CAB Accession Number:** 20053013630
Responses of black and cranberry beans (Phaseolus vulgaris) to post-emergence herbicides.

Publication Year: 2005

8/6/104 (Item 104 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008785025 **CAB Accession Number:** 20053035870
Effects of agro pesticides cypermethrin and malathion on cholinesterase activity in liver and kidney of Calotes versicolor Daudin (Agamidae: Reptilia).

Publication Year: 2005

8/6/105 (Item 105 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008779092 **CAB Accession Number:** 20053021386
Organochlorine pesticides and thiamine in eggs of largemouth bass and American alligators and their relationship with early life-stage mortality.

Publication Year: 2004

8/6/106 (Item 106 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008773618 **CAB Accession Number:** 20053017742
Predicting maternal body burdens of organochlorine pesticides from eggs and evidence of maternal transfer in Alligator mississippiensis .

Publication Year: 2004

8/6/107 (Item 107 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008767076 **CAB Accession Number:** 20053001988
Phase I and II liver enzyme activities in juvenile alligators (Alligator mississippiensis) collected from three sites in the Kissimmee-Everglades drainage, Florida (USA).

Publication Year: 2004

8/6/108 (Item 108 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008758420 **CAB Accession Number:** 20043212824
Differential swimming performance of two natricine snakes exposed to a cholinesterase-inhibiting pesticide.

Publication Year: 2005

8/6/109 (Item 109 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008746704 **CAB Accession Number:** 20043205642
The efficacy of ozonated seawater for surface disinfection of haddock (Melanogrammus aeglefinus) eggs against piscine nodavirus.

Publication Year: 2004

8/6/110 (Item 110 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008716827 **CAB Accession Number:** 20043171775
Physical and chemical disorders.

Book Title: Camel: management and diseases.
Publication Year: 2004

8/6/111 (Item 111 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008715405 **CAB Accession Number:** 20043167669
Inhibition of plasma butyrylcholinesterase activity in the lizard Gallotia galloti palmae by pesticides: a field study.

Publication Year: 2004

8/6/112 (Item 112 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008713613 **CAB Accession Number:** 20043171113

Organochlorine pesticides in chorioallantoic membranes of Morelet's crocodile eggs from Belize.

Publication Year: 2004

8/6/113 (Item 113 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008704581 **CAB Accession Number:** 20043153695
Developmental effects of embryonic exposure to toxaphene in the American alligator (Alligator mississippiensis).

Publication Year: 2004

8/6/114 (Item 114 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008698174 **CAB Accession Number:** 20043142844
Contaminant residues in snapping turtle (Chelydra s. serpentina) eggs from the Great Lakes-St. Lawrence River Basin (1999 to 2000).

Publication Year: 2004

8/6/115 (Item 115 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008697909 **CAB Accession Number:** 20043143513
Incubation of alligator snapping turtle (Macrochelys temminckii) eggs in natural and agricultural soils.

Publication Year: 2003

8/6/116 (Item 116 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008697705 **CAB Accession Number:** 20043143038
Characterization of contaminants in snapping turtles (Chelydra serpentina) from Canadian Lake Erie Areas of Concern: St. Clair River, Detroit River, and Wheatley Harbour.

Publication Year: 2004

8/6/117 (Item 117 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008695059 **CAB Accession Number:** 20043137397
Seasonal variation in the composition and concentration of butyltin compounds in marine fish of Taiwan.

Publication Year: 2004

8/6/118 (Item 118 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008691354 **CAB Accession Number:** 20043125826
Associations between organochlorine contaminant concentrations and clinical health parameters in loggerhead sea turtles from North Carolina, USA.

Publication Year: 2004

8/6/119 (Item 119 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008687328 **CAB Accession Number:** 20043120471
Crofab; the new rattlesnake antivenin.

Book Title: Small animal and exotics. Book two: Pain management - zoonosis. Proceedings of the North American Veterinary Conference, Volume 18, Orlando, Florida, USA, 17-21 January 2004
Publication Year: 2004

8/6/120 (Item 120 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008682963 **CAB Accession Number:** 20043118063
Surveillance of imported infectious diseases in Europe: report from the 4th TropNetEurop workshop.

Publication Year: 2004

8/6/121 (Item 121 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008678978 **CAB Accession Number:** 20043109955
Effects of organochlorine compounds on cytochrome P450 aromatase activity in an immortal sea turtle cell line.

Publication Year: 2004

8/6/122 (Item 122 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008678969 **CAB Accession Number:** 20043110092
Achieving environmentally relevant organochlorine pesticide concentrations in eggs through maternal exposure in Alligator mississippiensis .

Publication Year: 2004

8/6/123 (Item 123 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008672007 **CAB Accession Number:** 20043121104
Present situation of pesticide residues and biological suppression of pests and diseases in Chinese tea gardens.

Publication Year: 2004

8/6/124 (Item 124 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008667312 **CAB Accession Number:** 20043095941
Risk of FeraCol baits to non-target-invertebrates, native skinks, and weka.

Publication Year: 2004

8/6/125 (Item 125 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008667013 **CAB Accession Number:** 20043104797
Royal Society of Tropical Medicine and Hygiene meeting at Manson House, London, 12 December 2002.

Publication Year: 2003

8/6/126 (Item 126 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008641935 **CAB Accession Number:** 20043085735
Effect of agricultural chemicals on reptiles : comparison of pyrethroid and organophosphate with

phytopesticide on cholinesterase activity.

Publication Year: 2003

8/6/127 (Item 127 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008640507 **CAB Accession Number:** 20043072787
Abnormal bone composition in female juvenile American alligators from a pesticide-polluted lake (Lake Apopka, Florida).

Publication Year: 2004

8/6/128 (Item 128 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008616694 **CAB Accession Number:** 20043049831
Organochlorine contaminants in sea turtles: correlations between whole blood and fat.

Publication Year: 2004

8/6/129 (Item 129 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008615832 **CAB Accession Number:** 20043053912
Organochlorine contaminants in loggerhead sea turtle blood: extraction techniques and distribution among plasma and red blood cells.

Publication Year: 2004

8/6/130 (Item 130 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008600891 **CAB Accession Number:** 20043032328
Effect of pesticides on amphibians and reptiles.

Publication Year: 2004

8/6/131 (Item 131 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008586521 **CAB Accession Number:** 20043027987
Liquid chromatographic determination of 4,4prime-dinitrocarbanilide, the active component of the infertility agent nicarbazin, in chicken, duck, goose, and snake eggs.

Publication Year: 2003

8/6/132 (Item 132 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008585008 **CAB Accession Number:** 20043013817
Effects of sublethal fenitrothion ingestion on cholinesterase inhibition, standard metabolism, thermal preference, and prey-capture ability in the Australian central bearded dragon (Pogona vitticeps , Agamidae).

Publication Year: 2004

8/6/133 (Item 133 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008563271 **CAB Accession Number:** 20033216722
Chemical contaminants and their effects in fish and wildlife from the industrial zone of Sumgayit, Republic of Azerbaijan.

Publication Year: 2003

8/6/134 (Item 134 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008535998 **CAB Accession Number:** 20033181406
Toxicity and pathogenicity of Metarhizium anisopliae var. Acridum (Deuteromycotina, Hyphomycetes) and fipronil to the fringe-toed lizard Acanthodactylus dumerili (Squamata: Lacertidae).

Publication Year: 2003

8/6/135 (Item 135 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008517086 **CAB Accession Number:** 20033170738
Sex reversal effects on Caiman latirostris exposed to environmentally relevant doses of the xenoestrogen bisphenol A.

Publication Year: 2003

8/6/136 (Item 136 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008514662 **CAB Accession Number:** 20033162431
Organochlorine contaminants in sea turtles from the Eastern Pacific.

Publication Year: 2003

8/6/137 (Item 137 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008497631 **CAB Accession Number:** 20033141466
Comparison of induced effect of peremethrin with malathion on GOT and GPT in kidney and liver of Calotes versicolor .

Publication Year: 2003

8/6/138 (Item 138 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008495366 **CAB Accession Number:** 20033130531
Impact of locust control on harvester termites and endemic vertebrate predators in Madagascar.

Publication Year: 2003

8/6/139 (Item 139 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008456021 **CAB Accession Number:** 20033102215
Poisoning in children.

Poisoning in children
Publication Year: 2001

8/6/140 (Item 140 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008438252 **CAB Accession Number:** 20033069441
Organochlorine pesticides , PCBs, trace elements and metals in western pond turtle eggs from Oregon.

Publication Year: 2003

8/6/141 (Item 141 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008426664 **CAB Accession Number:** 20033045122
A cross-taxa survey of organochlorine pesticide contamination in a Costa Rican wildland.

Publication Year: 2003

8/6/142 (Item 142 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008426449 **CAB Accession Number:** 20033050035
Using chorioallantoic membranes for non-lethal assessment of persistent organic pollutant exposure and effect in oviparous wildlife.

Publication Year: 2003

8/6/143 (Item 143 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008417904 **CAB Accession Number:** 20033044142
Determination of induced effect of Biosal (neem based formulation) on cholinesterase and protein in kidney and liver of Calotes versicolor Daudin.

Publication Year: 2003

8/6/144 (Item 144 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008393367 **CAB Accession Number:** 20033024477
Evaluating reptile exposure to cholinesterase-inhibiting agrochemicals by serum butyrylcholinesterase activity.

Publication Year: 2003

8/6/145 (Item 145 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008363657 **CAB Accession Number:** 20033007749

Kinetics of venom and antivenom serum and clinical parameters and treatment efficacy in Bothrops alternatus envenomed dogs.

Publication Year: 2002

8/6/146 (Item 146 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008338803 **CAB Accession Number:** 20023185014
Epidemiology and management of snakebites in the medical district of Dano, province of Ioba (Burkina Faso) from 1981 to 2000.
Original Title: Epidemiologie et prise en charge des envenimations ophidiennes dans le district sanitaire de Dano, province du Ioba (Burkina Faso) de 1981 a 2000.
Publication Year: 2002

8/6/147 (Item 147 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008323339 **CAB Accession Number:** 20023165053
Lizard cholinesterases as biomarkers of pesticide exposure: enzymological characterization.

Publication Year: 2002

8/6/148 (Item 148 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008323334 **CAB Accession Number:** 20023165058
Turtle sex determination assay: mass balance and responses to 2,3,7,8-tetrachlorodibenzo- p - dioxin and 3,3prime,4,4prime,5-pentachlorob iphenyl.

Publication Year: 2002

8/6/149 (Item 149 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008298016 **CAB Accession Number:** 20023078155
Wildlife exposure to organophosphorus insecticides.

Publication Year: 2001

8/6/150 (Item 150 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008295575 **CAB Accession Number:** 20023140046
Mortality in a wood turtle (Clemmys insculpta) collection.

Publication Year: 2002

8/6/151 (Item 151 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008295347 **CAB Accession Number:** 20023140716
Evaluation of safety and efficacy of acaricides for control of the African tortoise tick (Amblyomma marmoreum) on leopard tortoises (Geochelone pardalis).

Publication Year: 2002

8/6/152 (Item 152 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008284765 **CAB Accession Number:** 20023091119
Snakeweed : poisonous properties, livestock losses, and management considerations.

Publication Year: 2002

8/6/153 (Item 153 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008284760 **CAB Accession Number:** 20023091135
Reproductive losses to poisonous plants: influence of management strategies.

Publication Year: 2002

8/6/154 (Item 154 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008282375 **CAB Accession Number:** 20023127594
Use of antimicrobial drugs in exotic animals.
Original Title: Eksoottisten elainten antibioottihoidot.
Publication Year: 2002

8/6/155 (Item 155 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008266410 **CAB Accession Number:** 20023114750
Food-borne intestinal trematode infections in the Republic of Korea.

Publication Year: 2002

8/6/156 (Item 156 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008263842 **CAB Accession Number:** 20023107740
Impact of endocrine disruptors on brain development and behaviour. School of Ethology, Erice, Sicily. 15-20 March 2002.

Publication Year: 2002

8/6/157 (Item 157 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008251697 **CAB Accession Number:** 20023090730
Effects of endocrine disrupters on behaviour and reproduction.

Book Title: Behavioural **ecotoxicology**
Publication Year: 2002

8/6/158 (Item 158 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008234096 **CAB Accession Number:** 20023085629
Accumulation and reproductive affection of endocrine disruptors to the wild animal.

Publication Year: 2002

8/6/159 (Item 159 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008225643 **CAB Accession Number:** 20013155228
Effects of tsetse targets on mammals and birds in Kasungu National Park, Malawi.

Publication Year: 2001

8/6/160 (Item 160 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008203786 **CAB Accession Number:** 20023050101
Snakes.

Book Title: BSAVA manual of exotic pets
Publication Year: 2002

8/6/161 (Item 161 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008195738 **CAB Accession Number:** 20023001871
Congener-specific profile and toxicity assessment of PCBs in green turtles (Chelonia mydas) from the Hawaiian Islands.

Publication Year: 2001

8/6/162 (Item 162 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008182817 **CAB Accession Number:** 20023009383
An evaluation of the effects of deltamethrin on two non-target lizard species in the Karoo, South Africa.

Publication Year: 2002

8/6/163 (Item 163 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008172047 **CAB Accession Number:** 20023021877
Detection by microsatellite analysis of early embryonic mortality in an alligator population in Florida.

Publication Year: 2002

8/6/164 (Item 164 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008169226 **CAB Accession Number:** 20013038486
Lizard contaminant data for ecological risk assessment.

Publication Year: 2000

8/6/165 (Item 165 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008159115 **CAB Accession Number:** 20013005406
DDE in eggs of two crocodile species from Belize.

Publication Year: 2000

8/6/166 (Item 166 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008146797 **CAB Accession Number:** 20013032751
Accumulation of organochlorine pesticides and polychlorinated biphenyls in sediments, aquatic organisms, birds, bird eggs and bats collected from south India.

Publication Year: 2001

8/6/167 (Item 167 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008129535 **CAB Accession Number:** 20013161319
Embryonic exposure to low-dose pesticides: effects on growth rate in the hatchling red-eared slider turtle.

Publication Year: 2001

8/6/168 (Item 168 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008125283 **CAB Accession Number:** 20013157572
Accidental phenobarbital poisoning in young corn snakes.

Publication Year: 2001

8/6/169 (Item 169 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008107185 **CAB Accession Number:** 20013108099
Environmental contaminants in Texas, USA, wetland reptiles : evaluation using blood samples.

Publication Year: 2000

8/6/170 (Item 170 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008102383 **CAB Accession Number:** 20013126543
Blood values in wild and captive Komodo dragons (Varanus komodoensis).

Publication Year: 2000

8/6/171 (Item 171 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008096599 **CAB Accession Number:** 20013030878
Work accidents in rural areas.
Original Title: Acidentes de trabalho na zona rural.
Publication Year: 1998

8/6/172 (Item 172 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008094898 **CAB Accession Number:** 20013064647
Organochlorine pesticides , PCBs, dibenzodioxin, and furan concentrations in common snapping turtle eggs (Chelydra serpentina serpentina) in Akwesasne, Mohawk territory, Ontario, Canada.

Publication Year: 2001

8/6/173 (Item 173 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008077345 **CAB Accession Number:** 20013089757
Review of the effects of organophosphorus and carbamate insecticides on vertebrates . Are there implications for locust management in Australia?

Publication Year: 2001

8/6/174 (Item 174 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008065027 **CAB Accession Number:** 20013084546

Pests and nuisance animals in zoological parks.

Book Title: Biology, medicine, and surgery of South American wild animals
Publication Year: 2001

8/6/175 (Item 175 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008049296 **CAB Accession Number:** 20013056660
Effects of spraying the herbicides 2,4-D and 2,4,5-T on a population of the tortoise Testudo hermanni in southern Greece.

Publication Year: 2001

8/6/176 (Item 176 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008040935 **CAB Accession Number:** 20003027396
Chlorinated hydrocarbon concentrations in plasma of the Lake Erie water snake (Nerodia sipedon insularum) and northern water snake (Nerodia sipedon sipedon) from the Great Lakes basin in 1998.

Publication Year: 2000

8/6/177 (Item 177 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008016877 **CAB Accession Number:** 20003018545
Organochlorine, PCB, PAH, and metal concentrations in eggs of loggerhead sea turtles (Caretta caretta) from northwest Florida, USA.

Publication Year: 2000

8/6/178 (Item 178 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007945361 **CAB Accession Number:** 20001111845
In vitro and in vivo cholinesterase inhibition in lacertides by phosphonate- and phosphorothioate-type organophosphates.

Publication Year: 2000

8/6/179 (Item 179 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007931187 **CAB Accession Number:** 20001111068
Toxicity of snake venom toward lepidopteran larvae and cultured cells.

Publication Year: 2000

8/6/180 (Item 180 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007921870 **CAB Accession Number:** 20001110688
Polychlorinated dibenzo- p -dioxins (PCDDs), dibenzofurans (PCDFs), biphenyls (PCBs), and organochlorine pesticides in yellow-blotched map turtle from the Pascagoula river basin, Mississippi, USA.

Publication Year: 2000

8/6/181 (Item 181 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007913285 **CAB Accession Number:** 20002214535
Retrospective and longitudinal study of salmonellosis in captive wildlife in Trinidad.

Publication Year: 2000

8/6/182 (Item 182 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007901203 **CAB Accession Number:** 20001109700
Chlorobiphenyls, HCB, and organochlorine pesticides in some tissues of Caretta caretta (Linnaeus) specimens beached along the Adriatic Sea, Italy.

Publication Year: 2000

8/6/183 (Item 183 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007877648 **CAB Accession Number:** 20001108010
Organochlorine contaminants in Morelet's crocodile (Crocodylus moreletii) eggs from Belize.

Publication Year: 2000

8/6/184 (Item 184 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007871737 **CAB Accession Number:** 20001107688
Protein metabolism during phosphamidon intoxication in Calotes versicolor (Daud.).

Publication Year: 1999

8/6/185 (Item 185 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007861917 **CAB Accession Number:** 20000504232
Repellents and use of prey items for delivering toxicants for control of Habu (Trimeresurus flavoviridis).

Book Title: Problem **snake** management: the habu and the brown treesnake.
Publication Year: 1999

8/6/186 (Item 186 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007861900 **CAB Accession Number:** 20000504253
New dermal toxicants and methods of application for venomous snakes.

Book Title: Problem **snake** management: the habu and the brown treesnake.
Publication Year: 1999

8/6/187 (Item 187 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007861899 **CAB Accession Number:** 20000504254
Candidate repellents, oral and dermal toxicants, and fumigants for brown treesnake control.

Book Title: Problem **snake** management: the habu and the brown treesnake.
Publication Year: 1999

8/6/188 (Item 188 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007843817 **CAB Accession Number:** 20000503328
The risks, costs and benefits of using brodifacoum to eradicate rats from Kapiti Island, New

Zealand.

Publication Year: 1999

8/6/189 (Item 189 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007843812 **CAB Accession Number:** 20000503333
Risks to non-target species from use of a gel bait for possum control.

Publication Year: 1999

8/6/190 (Item 190 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007832533 **CAB Accession Number:** 20002206348
Zoo and wild animal medicine.

Publication Year: 1999

8/6/191 (Item 191 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007794673 **CAB Accession Number:** 19992214861
Ponderosa pine and broom snakeweed: poisonous plants that affect livestock.

Publication Year: 1999

8/6/192 (Item 192 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007773976 **CAB Accession Number:** 19992212622
Yersinia infections in Trionyx sinense from Taiwan.

Publication Year: 1999

8/6/193 (Item 193 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007754951 **CAB Accession Number:** 19991107129
Serum concentrations of various environmental contaminants and their relationship to sex

steroid concentrations and phallus size in juvenile American alligators.

Publication Year: 1999

8/6/194 (Item 194 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007751735 **CAB Accession Number:** 19991106834
Impact of organochlorine contamination on levels of sex hormones and external morphology of common snapping turtles (Chelydra serpentina serpentina) in Ontario, Canada.

Publication Year: 1998

8/6/195 (Item 195 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007742506 **CAB Accession Number:** 19990504334
Organochlorine insecticide residues in African fauna: 1971-1995.

Publication Year: 1997

8/6/196 (Item 196 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007740325 **CAB Accession Number:** 19992208860
Pharmacokinetics of ceftazidime in loggerhead sea turtles (Caretta caretta) after single intravenous and intramuscular injections.

Publication Year: 1999

8/6/197 (Item 197 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007735806 **CAB Accession Number:** 19990503956
Effects of pesticides on amphibians and reptiles in sub-Saharan Africa.

Publication Year: 1997

8/6/198 (Item 198 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007727501 **CAB Accession Number:** 19991104862
Sex reversal effects of environmentally relevant xenobiotic concentrations on the red-eared slider turtle , a species with temperature-dependent sex determination.

Publication Year: 1999

8/6/199 (Item 199 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007723832 **CAB Accession Number:** 19990503306
Determination of propoxur residues in whole body brown tree snakes.

Publication Year: 1998

8/6/200 (Item 200 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007703233 **CAB Accession Number:** 19991103130
Maternal transfer and in ovo exposure of organochlorines in oviparous organisms: a model and field verification.

Publication Year: 1999

8/6/201 (Item 201 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007701793 **CAB Accession Number:** 19990501859
The oral and dermal toxicity of selected chemicals to brown tree snakes (Boiga irregularis).

Publication Year: 1998

8/6/202 (Item 202 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007697845 **CAB Accession Number:** 19990501531
Acaricidal trial on rat snakes.

Publication Year: 1998

8/6/203 (Item 203 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007690590 **CAB Accession Number:** 19992203570
The homoeopathic treatment of small animals: principles and practice.

Publication Year: 1998

8/6/204 (Item 204 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007673910 **CAB Accession Number:** 19992300323
The organochlorine herbicide chloridazon interacts with cell membranes.

Publication Year: 1998

8/6/205 (Item 205 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007657065 **CAB Accession Number:** 19982304502
Reptiles as models of contaminant-induced endocrine disruption.

Publication Year: 1998

8/6/206 (Item 206 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007650701 **CAB Accession Number:** 19981112133
Development and implementation of endocrine biomarkers of exposure and effects in American alligators (Alligator mississippiensis).

Publication Year: 1998

8/6/207 (Item 207 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007646652 **CAB Accession Number:** 19982219453
Mechanism of action of organophosphorus insecticides and diagnosis of poisoning with organophosphates in reptiles.
Original Title: Delovanje organofosfornih insekticidov in diagnoza zastrupitve pri plazilcih.
Proceedings. 2nd Slovenian Veterinary Congress, Rogaska Slatina, Slovenia, 14-16 November 1997.
Publication Year: 1997

8/6/208 (Item 208 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007636706 **CAB Accession Number:** 19981111485
Environmental contamination and developmental abnormalities in eggs and hatchlings of the common snapping turtle (Chelydra serpentina serpentina) from the Great Lakes-St Lawrence River basin (1989-91).

Publication Year: 1998

8/6/209 (Item 209 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007629665 **CAB Accession Number:** 19981111064
Changes in the brain acetylcholinesterase activity in phosphamidon (Dimecron) intoxicated garden lizard.

Publication Year: 1997

8/6/210 (Item 210 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007615933 **CAB Accession Number:** 19982216208
Dosages of antibiotics and antiparasitic agents used in exotic animals.
Original Title: Il dosaggio degli antibiotici e degli antiparassitari utilizzati negli animali esotici.
Publication Year: 1998

8/6/211 (Item 211 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007613938 **CAB Accession Number:** 19982303518
Alterations in steroidogenesis in alligators (Alligator mississippiensis) exposed naturally and experimentally to environmental contaminants.

Publication Year: 1997

8/6/212 (Item 212 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007557753 **CAB Accession Number:** 19982209900
Praziquantel in turtles.

Publication Year: 1998

8/6/213 (Item 213 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007504719 **CAB Accession Number:** 19980800798
Royal Society of Tropical Medicine and Hygiene and Faculty of Medicine, University of Peradeniya, joint meeting at the University of Peradeniya, Sri Lanka, 25 August 1996. P. C. C. Garnham commemoration meeting: abstracts.

Publication Year: 1997

8/6/214 (Item 214 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007480499 **CAB Accession Number:** 19980500515
Some medicines of animal origin with special reference to insects.

Publication Year: 1996

8/6/215 (Item 215 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007470079 **CAB Accession Number:** 19982200721
Abortion in livestock induced by Ponderosa pine needles and broom snakeweed.

Rangelands in a sustainable biosphere. Proceedings of the Fifth International Rangeland Congress Salt Lake City, Utah, USA 23-28 July, 1995. Volume 1 contributed presentations.
Publication Year: 1996

8/6/216 (Item 216 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007459645 **CAB Accession Number:** 19971110232
Lepidontal alterations of the circuli on the scales of freshwater snakehead, Channa punctatus (Bloch) upon exposure to malathion.

Publication Year: 1997

8/6/217 (Item 217 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007455129 **CAB Accession Number:** 19972010373
Cases of poisoning in Zimbabwe: a review.

Publication Year: 1996

8/6/218 (Item 218 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007448421 **CAB Accession Number:** 19971109713
Serum "B" esterases as a nondestructive biomarker for monitoring the exposure of reptiles to organophosphorus insecticides.

Publication Year: 1997

8/6/219 (Item 219 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007400294 **CAB Accession Number:** 19972211456
Pharmacology and toxicology special issue.

Publication Year: 1997

8/6/220 (Item 220 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007399417 **CAB Accession Number:** 19972211300
Studies on Aeromonas hydrophila septicaemia of soft-shelled turtles (Trionyx sinensis).

Publication Year: 1996

8/6/221 (Item 221 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007395590 **CAB Accession Number:** 19970502786
Animal venoms and insect toxins as lead compounds in the design of agrochemicals - especially insecticides.

Crop protection agents from nature: natural products and analogues.
Publication Year: 1996

8/6/222 (Item 222 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007387234 **CAB Accession Number:** 19972209796
Use of Bayluscide (Bayer 73) for snail control in fish ponds.

Publication Year: 1997

8/6/223 (Item 223 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007353186 **CAB Accession Number:** 19971103734
Effect of sub-lethal concentration of phosphamidon on certain haematological parameters of the male garden lizard Calotes versicolor (Daud).

Publication Year: 1996

8/6/224 (Item 224 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007353176 **CAB Accession Number:** 19971103682
Environmental effects of heavy spillage from a destroyed pesticide store near Hargeisa (Somaliland) assessed during the dry season, using reptiles and amphibians as bioindicators.

Publication Year: 1997

8/6/225 (Item 225 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007339973 **CAB Accession Number:** 19971102661
Temporal and geographic variation of organochlorine residues in eggs of the common snapping turtle (Chelydra serpentina serpentina) (1981-1991) and comparisons to trends in the herring gull (Larus argentatus) in the Great Lakes Basin in Ontario, Canada.

Publication Year: 1996

8/6/226 (Item 226 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007335017 **CAB Accession Number:** 19972204083
Practical treatment and control of common ectoparasites in exotic pets.

Publication Year: 1996

8/6/227 (Item 227 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007330723 **CAB Accession Number:** 19970302383
A new triterpenoid saponin, bredemeyeroside B, from the roots of Bredemeyera floribunda .

Publication Year: 1996

8/6/228 (Item 228 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007316093 **CAB Accession Number:** 19971101108
Impact of locust control in a semi-arid ecosystem in South Africa.

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Publication Year: 1996

8/6/229 (Item 229 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007299320 **CAB Accession Number:** 19961109805
Ecotoxicology of chlorpyrifos.

Publication Year: 1995

8/6/230 (Item 230 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007294326 **CAB Accession Number:** 19960505504
The effectiveness of prallethrin against public health pests.

Publication Year: 1994

8/6/231 (Item 231 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007292547 **CAB Accession Number:** 19961109381
The joint action of some organophosphorus insecticides against the tortoise beetle Cassida vittata (Vill).

Publication Year: 1994

8/6/232 (Item 232 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007280325 **CAB Accession Number:** 19960805505
Studies on internal parasites of tortoises.

Publication Year: 1993, publ. 1994

8/6/233 (Item 233 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007251496 **CAB Accession Number:** 19961106857
Toxicity and behavioural responses of Calotes versicolor (Daud) administered with phosphamidon.

Publication Year: 1996

8/6/234 (Item 234 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007205244 **CAB Accession Number:** 19960305083
Kalmegh - from ethnobotanical realm to modern medication.

Ethnobiology in human welfare: abstracts of the fourth international congress of ethnobiology, Lucknow, Uttar Pradesh, India, 17-21 November, 1994.
Publication Year: 1994

8/6/235 (Item 235 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007198501 **CAB Accession Number:** 19962205576
Drug therapy for reptiles.
Original Title: Arzneimitteltherapie bei Reptilien.
Publication Year: 1995

8/6/236 (Item 236 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007192006 **CAB Accession Number:** 19960801900

Therapeutic efficacy of halofuginone and spiramycin treatment against Cryptosporidium serpentis (Apicomplexa: Cryptosporidiidae) infections in captive snakes.

Publication Year: 1996

8/6/237 (Item 237 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007185891 **CAB Accession Number:** 19962204046
Determining the presence of azinphos-methyl in biological extracts in cases of acute poisoning in animals.
Original Title: Dolocanje prisotnosti azinfos-metila (azinphos-methyl) v bioloskih izvleckih akutno zastrupljenih zivali.
Publication Year: 1995

8/6/238 (Item 238 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007166551 **CAB Accession Number:** 19961101388
Review of the toxicity and impacts of brodifacoum on non-target wildlife in New Zealand.

Publication Year: 1995

8/6/239 (Item 239 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007136422 **CAB Accession Number:** 19952220595
Treatment of skin diseases in reptiles.
Original Title: Terapie koznich onemocneni u plazu.
Publication Year: 1995

8/6/240 (Item 240 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007129277 **CAB Accession Number:** 19951114523
Histopathological investigations of the effects of malathion on dwarf lizards (Lacerta parva , Boulenger 1887).

Publication Year: 1995

8/6/241 (Item 241 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007093429 **CAB Accession Number:** 19950505853
Influence of snakeweed foliage on engorgement, fecundity and attachment of the lone star tick (Acari: Ixodidae).

Publication Year: 1995

8/6/242 (Item 242 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007083547 **CAB Accession Number:** 19951110617
Dicofol and DDT residues in lizard carcasses and bird eggs from Texas, Florida, and California.

Publication Year: 1995

8/6/243 (Item 243 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007083486 **CAB Accession Number:** 19951110555
Life-budget analysis of the rice hairy caterpillar, Nisaga simplex Walker (Lepidoptera: Eupterotidae) in Kalahandi district, Orissa (India).

Publication Year: 1995

8/6/244 (Item 244 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007082516 **CAB Accession Number:** 19950505212
Ectoparasite control with synthetic pyrethroids in reptiles?
Original Title: Ektoparasitenbekampfung bei Reptilien mit synthetischen Pyrethroiden?
DVG - 4. Internationales Colloquium fur Pathologie und Therapie der Reptilien und Amphibien.
Publication Year: 1991

8/6/245 (Item 245 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007078081 **CAB Accession Number:** 19951110134
Chlorinated hydrocarbons in early life stages of the common snapping turtle (Chelydra serpentina serpentina) from a coastal wetland on Lake Ontario, Canada.

Publication Year: 1995

8/6/246 (Item 246 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007070908 **CAB Accession Number:** 19951109498
SEM study of the scales of the freshwater snakehead , Channa punctatus (Bloch) upon exposure to endosulfan.

Publication Year: 1994

8/6/247 (Item 247 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007052769 **CAB Accession Number:** 19951108484
Organochlorine contaminant concentrations in eggs and their relationship to body size, and clutch characteristics of the female common snapping turtle (Chelydra serpentina serpentina) in Lake Ontario, Canada.

Publication Year: 1994

8/6/248 (Item 248 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007039451 **CAB Accession Number:** 19950503902
DDT in the Tropics: the impact on wildlife in Zimbabwe of ground-spraying for tsetse fly control.

Publication Year: 1994

8/6/249 (Item 249 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007028476 **CAB Accession Number:** 19951106646
Effects of DDE and food stress on reproduction and body condition of ringed turtle doves.

Publication Year: 1993

8/6/250 (Item 250 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007009369 **CAB Accession Number:** 19950502533
Effects of DDT ground-spraying against tsetse flies on lizards in NW Zimbabwe.

Publication Year: 1993

8/6/251 (Item 251 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006987385 **CAB Accession Number:** 19951103563
Life table for establishment of potato tubermoth Phthorimaea operculella .

Publication Year: 1994

8/6/252 (Item 252 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006977100 **CAB Accession Number:** 19950802498
Drug and poison information - the Tygerberg experience.

Publication Year: 1993

8/6/253 (Item 253 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006976534 **CAB Accession Number:** 19950501353
Ground-spray treatment with deltamethrin against tsetse flies in NW Zimbabwe has little short term effect on lizards.

Publication Year: 1994

8/6/254 (Item 254 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006973732 **CAB Accession Number:** 19952302413
Carbofuran affects wildlife on Virginia corn fields.

Publication Year: 1994

8/6/255 (Item 255 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006961922 **CAB Accession Number:** 19950500813
Tissue distribution of human acetylcholinesterase and butyrylcholinesterase messenger RNA.

Publication Year: 1994

8/6/256 (Item 256 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006955606 **CAB Accession Number:** 19951101471
PCBs and other chlorinated organic contaminants in tissues of juvenile Kemp's Ridley turtles (Lepidochelys kempi).

Publication Year: 1994

8/6/257 (Item 257 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006925671 **CAB Accession Number:** 19941108739
The levels of organochlorine pesticides in indigenous fish from two rivers that flow through the Kruger National Park, South Africa.

Publication Year: 1992

8/6/258 (Item 258 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006886860 **CAB Accession Number:** 19941106592
Organic contaminants and trace metals in the tissues of green turtles (Chelonia mydas) afflicted with fibropapillomas in the Hawaiian Islands.

Publication Year: 1994

8/6/259 (Item 259 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006886110 **CAB Accession Number:** 19941106200
Turtles as monitors of chemical contaminants in the environment.

Publication Year: 1994

8/6/260 (Item 260 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006877526 **CAB Accession Number:** 19940502723

Effect of pesticides on soil organisms.

Publication Year: 1993

8/6/261 (Item 261 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006828832 **CAB Accession Number:** 19940501107
A pattern of acute poisoning in children in urban Zimbabwe: ten years experience.

Publication Year: 1992

8/6/262 (Item 262 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006819241 **CAB Accession Number:** 19940801958
Safety of milbemycin (A SUB 3 -A SUB 4 oxime) in chelonians.

Publication Year: 1993

8/6/263 (Item 263 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006815232 **CAB Accession Number:** 19942203386
Dermatophytosis of green iguanas (Iguana iguana).

Publication Year: 1993

8/6/264 (Item 264 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006748035 **CAB Accession Number:** 19931251105
Mycoses in crocodiles.

Publication Year: 1993

8/6/265 (Item 265 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006742237 **CAB Accession Number:** 19930517255
Assessing effects of pesticides on amphibians and reptiles: status and needs.

Publication Year: 1992

8/6/266 (Item 266 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006731713 **CAB Accession Number:** 19931165498
Insecticidal activity of spider (Araneae), centipede (Chilopoda), scorpion (Scorpionida), and snake (Serpentes) venoms.

Publication Year: 1992

8/6/267 (Item 267 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006690743 **CAB Accession Number:** 19932232979
Blood concentration curves for ampicillin, doxycycline and enrofloxacin in the Greek tortoise.
Original Title: Untersuchungen zu den Blutspiegelverlaufen der Antiinfektiva Ampicillin, Doxycyclin und Enrofloxacin bei der griechischen Landschildkrote (Testudo hermanni).
Publication Year: 1992

8/6/268 (Item 268 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006690718 **CAB Accession Number:** 19932232954
Chemotherapy in reptiles.

Publication Year: 1993

8/6/269 (Item 269 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006683845 **CAB Accession Number:** 19931170496
Venom neurotoxins - models for selective insecticides.

Publication Year: 1991

8/6/270 (Item 270 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006673013 **CAB Accession Number:** 19931169189

The effect of fenvalerate on paddy field-pond ecosystem.

Publication Year: 1989

8/6/271 (Item 271 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006669432 **CAB Accession Number:** 19930513140
Organochlorines in crocodile [Crocodylus niloticus] eggs from Kenya.

Publication Year: 1991

8/6/272 (Item 272 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006652418 **CAB Accession Number:** 19932279340
Suspected cases of bromocyclen poisoning.

Publication Year: 1992

8/6/273 (Item 273 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006625115 **CAB Accession Number:** 19922276737
Therapeutics.

Manual of **reptiles.**.
Publication Year: 1992

8/6/274 (Item 274 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006614489 **CAB Accession Number:** 19922325908
Noxious range weeds.

Publication Year: 1991

8/6/275 (Item 275 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006601386 **CAB Accession Number:** 19922273498

A prospective study of intoxications in dogs and cats in Western Australia.

Publication Year: 1992

8/6/276 (Item 276 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006588151 **CAB Accession Number:** 19922271953
Antibiotic resistance of agricultural and foodborne Salmonella isolates in Canada: 1986-1989.

Publication Year: 1992

8/6/277 (Item 277 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006586694 **CAB Accession Number:** 19921212649
Multiple-dose pharmacokinetics of ketoconazole administered orally to gopher tortoises (Gopherus polyphemus).

Publication Year: 1991

8/6/278 (Item 278 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006578325 **CAB Accession Number:** 19922270982
Alternative treatment of heartworm disease.

Publication Year: 1992

8/6/279 (Item 279 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006518957 **CAB Accession Number:** 19922264180
Pharmacokinetics of piperacillin in blood pythons (Python curtus) and in vitro evaluation of efficacy against aerobic gram-negative bacteria.

Publication Year: 1991

8/6/280 (Item 280 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006513216 **CAB Accession Number:** 19922263855
Poisoning.

Canine medicine and therapeutics.
Publication Year: 1991

8/6/281 (Item 281 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006455998 **CAB Accession Number:** 19912256568
Medical management of reptile patients.

Publication Year: 1991

8/6/282 (Item 282 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006440582 **CAB Accession Number:** 19912254898
Toxicology.

Textbook of veterinary internal medicine: diseases of the dog and cat. Volume 1.
Publication Year: 1989

8/6/283 (Item 283 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006406664 **CAB Accession Number:** 19912251866
A new dosing schedule for gentamicin in blood pythons (Python curtus): a pharmacokinetic study.

Publication Year: 1991

8/6/284 (Item 284 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006406619 **CAB Accession Number:** 19912251679
Treatment and control of an outbreak of salmonellosis in hatchling Nile crocodiles (Crocodylus niloticus).

Publication Year: 1991

8/6/285 (Item 285 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006363348 **CAB Accession Number:** 19912218625
Photodynamic therapy of spontaneous cancers in felines canines, and snakes with chloroaluminum sulfonated phthalocyanine.

Publication Year: 1991

8/6/286 (Item 286 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006340619 **CAB Accession Number:** 19912216186
Manual of small animal dentistry.

Publication Year: 1990

8/6/287 (Item 287 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006319050 **CAB Accession Number:** 19901151025
Honey bee pests, predators, and diseases.

Publication Year: 1990

8/6/288 (Item 288 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006307852 **CAB Accession Number:** 19900598662
In vivo effect of monocrotophos on the carbohydrate metabolism of the freshwater snake head fish, Channa punctatus.

Publication Year: 1989

8/6/289 (Item 289 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006303626 **CAB Accession Number:** 19902211145
Variation in plasma halflife of gentamicin between species in relation to bodyweight and taxonomy.

Publication Year: 1990

8/6/290 (Item 290 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006293911 **CAB Accession Number:** 19902211123
The effects of ambient temperature on amikacin pharmacokinetics in gopher tortoises.

Publication Year: 1990

8/6/291 (Item 291 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006250144 **CAB Accession Number:** 19902207162
Serum concentration and disposition kinetics of gentamicin and amikacin in juvenile American alligators.

Publication Year: 1988

8/6/292 (Item 292 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006238676 **CAB Accession Number:** 19902222039
Diagnosis and treatment of cutaneous and systemic mycoses of reptiles.
Original Title: Diagnose und Therapie von Haut- und Systemmykosen bei Reptilien.
Regionale Arbeitstagung Sud der DVG-Fachgruppe "Kleintierkrankheiten". Tagung am 7.-8. Mai 1988 in Mannheim.
Publication Year: 1988

8/6/293 (Item 293 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006208147 **CAB Accession Number:** 19902201738
Development of drug therapies for snake venom intoxication.

Natural toxins. Proceedings 9th World Congress on Animal, Plant and Microbial Toxins, Stillwater, Oklahama, August 1988.
Publication Year: 1989

8/6/294 (Item 294 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006196068 **CAB Accession Number:** 19902201577

Lack of oxidative pathways in the metabolism of sulphisomidine by the turtle.

Publication Year: 1989

8/6/295 (Item 295 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006191528 **CAB Accession Number:** 19900861335
Use of ivermectin in laboratory and exotic mammals and in birds, fish and reptiles.

Book Title: Ivermectin and abamectin.
Publication Year: 1989

8/6/296 (Item 296 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006149884 **CAB Accession Number:** 19891204157
Acute toxicity of malachite green to five species of freshwater fish.

Publication Year: 1987

8/6/297 (Item 297 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006136306 **CAB Accession Number:** 19892293331
N-oxidation, O-demethylation, and excretion of trimethoprim by the turtle Pseudemys scripta elegans.

Publication Year: 1989

8/6/298 (Item 298 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006121041 **CAB Accession Number:** 19892441627
Health before everything else.
Original Title: La salute innanzitutto.
Publication Year: 1988

8/6/299 (Item 299 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006113179 **CAB Accession Number:** 19892291812
Economic impacts of perennial snakeweed infestations.

The ecology and economic impact of poisonous plants on livestock production.
Publication Year: 1988

8/6/300 (Item 300 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006084947 **CAB Accession Number:** 19892287168
N-oxidation, N-demethylation, and excretion of perfloxacin by the turtle Pseudemys scripta elegans.

Publication Year: 1988

8/6/301 (Item 301 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006054862 **CAB Accession Number:** 19891201859
Preliminary pharmacokinetics of ketoconazole in gopher tortoises (Gopherus polyphemus).

Publication Year: 1988

8/6/302 (Item 302 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006048799 **CAB Accession Number:** 19890591674
Division of Acarology.

Annual Report 1986, Institute for Medical Research, Kuala Lumpur, Malaysia.
Publication Year: 1987?

8/6/303 (Item 303 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005959137 **CAB Accession Number:** 19881105411
Biological control of the hemipteran pests of Lagenaria vulgaris Ser. (Cucurbitaceae).

Proceedings of a national symposium on **pesticide** residues and environmental pollution, Muzaffarnagar, India, 2-4 October, 1985.
Publication Year: 1986

8/6/304 (Item 304 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005816653 **CAB Accession Number:** 19870539333
The use of ivermectin in the treatment of acariasis (Ophionyssus sp.) of snakes.
Original Title: Uso de ivermectina en el tratamiento de la acariasis (Ophionyssus sp.) de ofidios.
Publication Year: 1986

8/6/305 (Item 305 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005616214 **CAB Accession Number:** 19852265442
Incidence of poisonings in dogs and cats in Melbourne.

Publication Year: 1985

8/6/306 (Item 306 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005615721 **CAB Accession Number:** 19852265513
Aerobic bacterial isolates and antibiotic sensitivities in a captive reptile population.

Proceedings, 1983 Annual Meeting, American Association of Zoo Veterinarians, Tampa, Florida, October 24-27, 1983
Publication Year: 1983

8/6/307 (Item 307 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005424836 **CAB Accession Number:** 19842237676
Toxicity and efficacy of ivermectin in chelonians.

Publication Year: 1983

8/6/308 (Item 308 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005376401 **CAB Accession Number:** 19832224244
Dosages for antibiotics and parasiticides used in exotic animals.

Publication Year: 1983

8/6/309 (Item 309 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005367195 **CAB Accession Number:** 19832219763
Toxicology [poisoning in horses].

Current therapy in equine medicine
Publication Year: 1983

8/6/310 (Item 310 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005363275 **CAB Accession Number:** 19822214003
Minimum inhibitory concentration (MIC) levels of resistant Escherichia coli and Salmonella isolates from different animal sources against tetracycline.

Publication Year: 1982

8/6/311 (Item 311 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005293804 **CAB Accession Number:** 19830505736
Observations on side effects of endosulfan used to control tsetse in a settlement area in connection with a campaign against human sleeping sickness in Ivory Coast.

Publication Year: 1983

8/6/312 (Item 312 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005267866 **CAB Accession Number:** 19822215606
Noninfectious diseases of wildlife.

Publication Year: 1982

8/6/313 (Item 313 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005175125 **CAB Accession Number:** 19820894046
Evaluation and results of the administration of anthelmintics to crocodiles (Crocodylus acutus and C. rhombifer) in an industrial hatchery affected by an acute trematode infection.

Original Title: Valoracion y resultados de la aplicacion de tratamientos antiparasitarios en cocodrilos (Crocodylus acutus Cuvier y Crocodylus rhombifer Cuvier) en un criadero industrial afectado por trematodiasis aguda.
Publication Year: 1980

8/6/314 (Item 314 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005148792 **CAB Accession Number:** 19820592456
Infestation of white grub -- Holotrichia consanguinea Blanchard (Scarabaeidae: Coleoptera) on soybean.

Publication Year: 1981

8/6/315 (Item 315 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005148678 **CAB Accession Number:** 19820592305
Accumulation of endosulfan residues in fish and their predators after aerial spraying for the control of tsetse fly in Botswana.

Publication Year: 1982

8/6/316 (Item 316 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005146504 **CAB Accession Number:** 19820589368
Observations on side effects of helicopter spraying against tsetse flies in the Bouafle sleeping sickness focus (Ivory Coast) in 1978-1979. Part II.

Side effects of aerial **insecticide** applications against tsetse flies near Bouafle, Ivory Coast.
Publication Year: 1979, recd. 1982

8/6/317 (Item 317 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005095700 **CAB Accession Number:** 19802331569
Persistence, bioaccumulation and toxicology of TCDD in an ecosystem treated with massive quantities of 2,4,5-T herbicide.

Abstracts of the 178th National Meeting of the American Chemical Society.
Publication Year: 1979

8/6/318 (Item 318 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005085944 **CAB Accession Number:** 19812266583
Incidence and characteristics of animal poisonings seen at Kansas State University from 1975 to 1980.

Publication Year: 1981

8/6/319 (Item 319 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005060648 **CAB Accession Number:** 19811418890
Food and health: science and technology.

Publication Year: 1980

8/6/320 (Item 320 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005043006 **CAB Accession Number:** 19810891749
Studies on the helminths of tortoises and worming attempts.
Original Title: Untersuchungen uber die Helminthen der Landschildkroten und Versuche zur medikamentellen Entwurmung.
Publication Year: 1981

8/6/321 (Item 321 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004970490 **CAB Accession Number:** 19810879884
Some sanitary and health problems in the intensive farming of the marine turtle Chelonia mydas in La Reunion.
Original Title: Quelques problemes sanitaires et pathologiques dans l'elevage intensif de la tortue marine (Chelonia mydas, L.) a La Reunion.
Publication Year: 1980

8/6/322 (Item 322 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004944874 **CAB Accession Number:** 19792250921
Control of ectoparasites on reptiles by use of the Arpalit-spray (trichlorphon).

Original Title: Anwendung des Arpalit-Sprays zur Bekampfung von Ektoparasiten der Reptilien.
Publication Year: 1979

8/6/323 (Item 323 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004876462 **CAB Accession Number:** 19800661449
Effect of organophosphorus insecticides on the vertebrate fauna when protecting the forest against insect pests.
Original Title: Vliyanie fosfororganicheskikh insektitsidov na faunu pozvonochnykh pri zashchite lesa ot vrednykh nasekomykh.
Publication Year: 1978

8/6/324 (Item 324 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004765820 **CAB Accession Number:** 19790863516
Diseases of tortoises: a review of seventy cases.

Publication Year: 1979

8/6/325 (Item 325 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004645193 **CAB Accession Number:** 19781343796
Wildlife diseases.

Publication Year: 1976

8/6/326 (Item 326 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004445245 **CAB Accession Number:** 19762274964
Neurotoxicoses of small animals.

Publication Year: 1976

8/6/327 (Item 327 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004436118 **CAB Accession Number:** 19762262842

I. Brief description of liver diseases in reptiles. II. Aetiology of liver disease in reptiles.
Original Title: (I) Kurze Beschreibung der Lebererkrankungen (Nosologie) der Reptilien. (II) Die Entstehungsursachen der Lebererkrankungen bei Reptilien.
Publication Year: 1975

8/6/328 (Item 328 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004252289 **CAB Accession Number:** 19750527801
Current veterinary therapy. V. Small animal practice.

Publication Year: 1974

8/6/329 (Item 329 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004249844 **CAB Accession Number:** 19750522187
The biology and chemical control of Callosobruchus chinensis (Linn.) (Coleoptera: Bruchidae).

Publication Year: 1972

8/6/330 (Item 330 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004213704 **CAB Accession Number:** 19742245995
ATPase activity in tissue of the map turtle, Graptemys geographica following in vitro treatment with aldrin and dieldrin.

Publication Year: 1974

8/6/331 (Item 331 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004170428 **CAB Accession Number:** 19740814136
Vermiplex, an anthelmintic agent for snakes.

Publication Year: 1974

8/6/332 (Item 332 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004134629 **CAB Accession Number:** 19740514868
Some organochlorine pesticide residues in wildlife of the Northern Territory, Australia, 1970-71.

Publication Year: 1973

8/6/333 (Item 1 from file: 10)
DIALOG(R)File 10: AGRICOLA

4657474 43928395 **Holding Library:** AGL
The Effects of the Fungicide Methyl Thiophanate on Adrenal Gland Morphophysiology of the Lizard, Podarcis sicula

2007
URL: http://dx.doi.org/10.1007/s00244-006-0204-2

8/6/334 (Item 2 from file: 10)
DIALOG(R)File 10: AGRICOLA

3092888 91957343 **Holding Library:** AGL
Pesticide application and safety training study guide agricultural-livestock pests / [compiled and edited by Metro-Pest Management Consultants, Inc.]
Study guide for livestock pests Agricultural-livestock pests
1980

8/6/335 (Item 1 from file: 203)
DIALOG(R)File 203: AGRIS

01242177
Effects of paraquat herbicide on histopathological changes of snakehead fish (Channa striatus)
(Phonkrathop khong san paraquat to kan plianplaeng khong nuayua pla chon)
National Inland Fisheries Institute Annual Report 1984 (Raingan prachampi 2527 sathaban pramong namchut haengchat)

8/6/336 (Item 2 from file: 203)
DIALOG(R)File 203: AGRIS

01140319
1985
Effects of dieldrin on **snakehead** fish (Ophicephalus striatus Bloch.) (Phon krathop khong dieldrin to pla chon (Ophicephalus striatus Bloch))

8/6/337 (Item 3 from file: 203)
DIALOG(R)File 203: AGRIS

01140318
1984
Effects of paraquat on **snakehead** fish (Ophicephalus striatus Bloch) (Phonkrathop khong san paraquat to pla chon (Ophicephalus striatus Bloch))

8/6/338 (Item 1 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001977782 IP Accession No: 7326608
The effects of atrazine and temperature on turtle hatchling size and sex ratios

Publication Date: 2005

8/6/339 (Item 2 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001958043 IP Accession No: 7223024
Toxicity of glyphosate as Glypro registered and LI700 to red-eared slider (Trachemys scripta elegans) embryos and early hatchlings

Publication Date: 2006

8/6/340 (Item 3 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001920156 IP Accession No: 7077488
Sensitivity of brain cholinesterase activity to diazinon (Basudin 50EC) and fenobucarb (Bassa 50EC) insecticides in the Air-breathing fish Channa striata (Bloch, 1793)

Publication Date: 2006

8/6/341 (Item 4 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001883072 IP Accession No: 6859462
Antimutagenic effect of neem leaves extract in freshwater fish, Channa punctatus evaluated by cytogenetic tests

Publication Date: 2006

8/6/342 (Item 5 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001795393 IP Accession No: 5996060
A Study of Childhood Poisoning at National Poisons Information Centre, All India Institute of Medical Sciences, New Delhi

Publication Date: 2003

8/6/343 (Item 6 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001734817 IP Accession No: 5726899
Oxidative stress biomarkers of exposure to deltamethrin in freshwater fish, Channa punctatus Bloch

Publication Date: 2003

8/6/344 (Item 7 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001620970 IP Accession No: 5738137
Food as a Source of Dioxin Exposure in the Residents of Bien Hoa City, Vietnam

Publication Date: 2003

8/6/345 (Item 8 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001488563 IP Accession No: 5228092
A prospective study of the effects of ultralow volume (ULV) aerial application of malathion on epidemic Plasmodium falciparum malaria. 3. Ecologic aspects.

Publication Date: 1975

8/6/346 (Item 9 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001467609 IP Accession No: 4872870
Distribution of DDT residues in fish from the Songkhla Lake, Thailand

Publication Date: 2001

8/6/347 (Item 10 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001326290 IP Accession No: 4518820
Environmental Hazards of Mobile Ground Spraying with Cyanophos and Fenthion for Quelea Control in Senegal

Publication Date: 1999

8/6/348 (Item 11 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001236598 IP Accession No: 4312161
Uptake of arsenic and metals by tadpoles at an historically contaminated Texas site

Publication Date: 1998

8/6/349 (Item 12 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001049868 IP Accession No: 3827968
Comparative toxicity of guthion and guthion 2S to Xenopus laevis and Pseudacris regilla tadpoles

Publication Date: 1995

8/6/350 (Item 13 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001042687 IP Accession No: 3809938
Comparative study of contaminants in the mudpuppy (Amphibia) and the common snapping turtle (Reptilia), St. Lawrence River, Canada

Publication Date: 1995

8/6/351 (Item 14 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000869630 IP Accession No: 3011974
Fenvalerate hazards to fish, wildlife, and invertebrates: A synoptic review.

Publication Date: 1992

8/6/352 (Item 15 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000727523 IP Accession No: 9109561
Fiscal Year 1989 Program Report (Washington Water Research Center)

Publication Date: 1990

8/6/353 (Item 16 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000724261 IP Accession No: 9106343
Differential Expression of Multiple Forms of Cytochrome P-450 in Vertebrates: Antibodies to Purified Rat Cytochrome P-450s as Molecular Probes for the Evolution of P-450 Gene Families I and II

Publication Date: 1989

8/6/354 (Item 17 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000423129 IP Accession No: 1374384
Wildlife in some areas of New Mexico and Texas accumulate elevated DDE residues, 1983.

Publication Date: 1986

8/6/355 (Item 18 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000199532 IP Accession No: 236534
Lead in the Bone and Soft Tissues of Box Turtles Caught Near Smelters.

Publication Date: 1981

8/6/356 (Item 19 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000099140 IP Accession No: 7510080

PESTICIDES, POLYCHLORINATED BIPHENOLS AND HEAVY METALS IN UPPER FOOD CHAIN LEVELS, EVERGLADES NATIONAL PARK AND VICINITY

Publication Date: 1973

8/6/357 (Item 20 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000076670 IP Accession No: 7400917
AMPHIBIANS OF THE CHESAPEAKE BAY REGION

Publication Date: 1973

8/6/358 (Item 21 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000053601 IP Accession No: 7208046
ECOLOGICAL ASPECTS OF SELECTED CRUSTACEA OF TWO MARSH EMBAYMENTS OF THE TEXAS COAST

Publication Date: 1971

8/6/359 (Item 22 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000048807 IP Accession No: 7203673
EFFECT OF INSECTICIDES ON AN ECOSYSTEM IN THE NORTHERN CHIHUAHUAN DESERT

Publication Date: 1971

8/6/360 (Item 23 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000022216 IP Accession No: 7001996
THE TOXICITY OF ENDRIN-RESISTANT MOSQUITOFISH TO ELEVEN SPECIES OF VERTEBRATES

Publication Date: 1968

8/6/361 (Item 1 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

28763519 **PMID:** 18801367
The influence of non-toxic concentrations of DDT and DDE on the old world vulture estrogen receptor alpha.

Nov-Dec 2008

8/6/362 (Item 2 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

28338691 **PMID:** 18564719
The first poison control center in Vietnam: experiences of its initial years.

Mar 2008

8/6/363 (Item 3 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

18712064 **PMID:** 18619481
A rational nomenclature for naming peptide toxins from spiders and other venomous animals.

Aug 1 2008

8/6/364 (Item 4 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17461681 **PMID:** 17022419
Toxicity of glyphosate as Glypro and LI700 to red-eared slider (trachemys scripta elegans) embryos and early hatchlings.

Oct 2006

8/6/365 (Item 5 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17286393 **PMID:** 16804811
Environmental contaminants, fertility, and multioocytic follicles: a lesson from wildlife?

Jul 2006

8/6/366 (Item 6 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17284042 **PMID:** 16802580
Terminology of gonadal anomalies in fish and amphibians resulting from chemical exposures.

2006

8/6/367 (Item 7 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17240202 **PMID:** 16713641
Up-regulation of the alligator CYP3A77 gene by toxaphene and dexamethasone and its short term effect on plasma testosterone concentrations.

Jun 30 2006

8/6/368 (Item 8 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

16646989 **PMID:** 16004194
An epidemiological study of poisoning cases reported to the National Poisons Information Centre, All India Institute of Medical Sciences, New Delhi.

Jun 2005

8/6/369 (Item 9 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

16642306 **PMID:** 15998506
Consequences of endocrine disrupting chemicals on reproductive endocrine function in birds: establishing reliable end points of exposure.

Aug 2005

8/6/370 (Item 10 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15337474 **PMID:** 12732979
Characterization of flagellar antigens and insecticidal activities of Bacillus thuringiensis populations in animal feces.

Apr 2003

8/6/371 (Item 11 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15160720 **PMID:** 12442504
Ranking terrestrial vertebrate species for utility in biomonitoring and vulnerability to environmental contaminants.

2003

8/6/372 (Item 12 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15160719 **PMID:** 12442503
Fipronil: environmental fate, ecotoxicology, and human health concerns.

2003

8/6/373 (Item 13 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15029928 **PMID:** 12404861
[Epidemiology and management of snake envenomations in the Dano health district, Ioba province (Burkina Faso) from 1981 to 2000]

Epidemiologie et prise en charge des envenimations ophidiennes dans le district sanitaire de Dano, province du Ioba (Burkina Faso) de 1981 a 2000.
Aug 2002

8/6/374 (Item 14 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15023057 **PMID:** 12398368
Trace organic compounds in the marine environment.

2002

8/6/375 (Item 15 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14334156 **PMID:** 11450355

Clinical and institutional aspects of antidote therapy in Russia.

2001

8/6/376 (Item 16 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14104554 **PMID:** 15052998
[Poisons and antidotes according to Gunyetu'l Muhassilin and an 18th century Ottoman pamphlet]

Gunyetu'l-Muhassilin ve panzehir risalesi'ne gore (18. yuzyilda) zehir ve panzehir.
2000

8/6/377 (Item 17 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

10004512 **PMID:** 1908525
The case for a cause-effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario, Canada.

Aug 1991

8/6/378 (Item 18 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

07631633 **PMID:** 6510327
Toxicity of anticholinesterase insecticides to birds: technical grade versus granular formulations.

Dec 1984

8/6/379 (Item 19 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

05175484 **PMID:** 1221350
Mirex residues in nontarget organisms after application of experimental baits for fire ant control, southwest Georgia--1971-72.

Dec 1975

8/6/380 (Item 1 from file: 40)
DIALOG(R)File 40: Enviroline(R)

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00717298 **Enviroline Number:** 07-11338
Topical Dose Delivery in the Reptilian Egg Treatment Model

May 07

8/6/381 (Item 2 from file: 40)
DIALOG(R)File 40: Enviroline(R)
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00716532 **Enviroline Number:** 07-10420
Quantification of Low Levels of Organochlorine Pesticides Using Small Volumes (</=100 (gr)ml) of Plasma of Wild Birds Through Gas Chromatography Negative Chemical Ionization Mass Spectrometry

Jul 07

8/6/382 (Item 3 from file: 40)
DIALOG(R)File 40: Enviroline(R)
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00704711 **Enviroline Number:** 06-19260
Sensitivity of Brain Cholinesterase Activity to Diazinon Basudin 50EC) Insecticides in the Air-Breathing Fish Channa striata (Bloch, 1793)

May 06

8/6/383 (Item 4 from file: 40)
DIALOG(R)File 40: Enviroline(R)
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00411621 **Enviroline Number:** 93-07564
Indigenous Knowledge Systems for Sustainable Development: the Case of Pest Control by Traditional Paddy Farmers in Sri Lanka

1992

8/6/384 (Item 5 from file: 40)
DIALOG(R)File 40: Enviroline(R)
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00275139 **Enviroline Number:** 95-06346
Sodium Monofluoroacetate (1080) Hazards to Fish, Wildlife, and Invertebrates: a Synoptic Review

Feb 95

8/6/385 (Item 1 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020865788 **Biosis No.:** 200900206122
Genotoxicity of the herbicide formulation Roundup (R) (glyphosate) in broad-snouted caiman (Caiman latirostris) evidenced by the Comet assay and the Micronucleus test

2009

8/6/386 (Item 2 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020782914 **Biosis No.:** 200900123248
Probabilistic risk assessment of the environmental impacts of pesticides in the Crocodile (west) Marico catchment, North-West Province

2008

8/6/387 (Item 3 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020772941 **Biosis No.:** 200900113275
Lessons from wildlife

2005

8/6/388 (Item 4 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020770161 **Biosis No.:** 200900110495
A RAT'S Tale

2009

8/6/389 (Item 5 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020768680 **Biosis No.:** 200900109014
Trace Metal and Organochlorine Pesticide Concentrations in Cold-Stunned Juvenile Kemp's Ridley Turtles (Lepidochelys kempii) from Cape Cod, Massachusetts

2008

8/6/390 (Item 6 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020710897 **Biosis No.:** 200900051231
Effects of sublethal concentrations of diazinon on surfacing and hanging behaviors of snakehead Channa striata

2008

8/6/391 (Item 7 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020613983 **Biosis No.:** 200800660922
Tissue distribution of organochlorine pesticides in fish collected from the Pearl River Delta, China: Implications for fishery input source and bioaccumulation

2008

8/6/392 (Item 8 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020520983 **Biosis No.:** 200800567922
Purification, characterization and bactericidal activities of basic phospholipase A(2) from the venom of Agkistrodon halys (Chinese pallas)

2008

8/6/393 (Item 9 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020492888 **Biosis No.:** 200800539827
Monitoring of pesticides in the environment

Book Title: Analysis of **Pesticides** in Food and Environmental Samples
2008

8/6/394 (Item 10 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020140200 **Biosis No.:** 200800187139
Acaricidal activity of Calea serrata (Asteraceae) on Boophilus microplus and Rhipicephalus sanguineus

2008

8/6/395 (Item 11 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0020029660 **Biosis No.:** 200800076599
Micropropagation of Jatropha elliptica (Pohl) Mull. Arg.

Original Language Title: Micropropagacao de Jatropha elliptica (Pohl) Mull. Arg.
2007

8/6/396 (Item 12 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

19125866 **Biosis No.:** 200600471261
The vignette for V13N4 issue

2006

8/6/397 (Item 13 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

19047265 **Biosis No.:** 200600392660
The decline of raptors in West Africa: long-term assessment and the role of protected areas

2006

8/6/398 (Item 14 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

19047092 **Biosis No.:** 200600392487
Hoplodactylus maculatus (common gecko) - Toxin consumption

2006

8/6/399 (Item 15 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18947977 **Biosis No.:** 200600293372
Effects of a atrazine on map turtle (Graptemys) development and behavior

2005

8/6/400 (Item 16 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18929669 **Biosis No.:** 200600275064
Sex determination in reptiles: Genes, hormones and environmental contaminants

2006

8/6/401 (Item 17 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18746015 **Biosis No.:** 200600091410
Geophagy and potential contaminant exposure for terrestrial vertebrates

Book Title: Reviews of Environmental Contamination and **Toxicology**
2004

8/6/402 (Item 18 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18698512 **Biosis No.:** 200600043907
Endocrine-disrupting chemicals: A review of the state of the science

2005

8/6/403 (Item 19 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18611951 **Biosis No.:** 200510306451
90th Annual Meeting of the Kentucky-Academy-of-Science, Murray, KY, USA, November 04 -06, 2004

2005

8/6/404 (Item 20 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18584717 **Biosis No.:** 200510279217
Effectiveness of methyl bromide as a cargo fumigant for brown treesnakes

2005

8/6/405 (Item 21 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18469762 **Biosis No.:** 200510164262
Effects of atrazine on the performance, survival, and behavior of embryonic map turtles (Graptemys)

2003

8/6/406 (Item 22 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18469604 **Biosis No.:** 200510164104
Swimming performance of neonate black swamp snakes (Seminatrix pygaea) exposed to an acetyl-cholinesterase-inhibiting pesticide

2003

8/6/407 (Item 23 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18460927 **Biosis No.:** 200510155427
Purification and characterization of a novel peptide with antifungal activity from Bothrops jararaca venom

2005

8/6/408 (Item 24 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18460926 **Biosis No.:** 200510155426
Antimicrobial activity of myotoxic phospholipases A(2) from crotalid snake venoms and synthetic peptide variants derived from their C-terminal region

2005

8/6/409 (Item 25 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18285090 **Biosis No.:** 200500192155
Contaminants, reproductive endocrinology and wildlife: The evolving field of signal disruption.

2004

8/6/410 (Item 26 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18218052 **Biosis No.:** 200500125117
Brown Treesnakes 2001, Andersen Air Force Base, Guam, August 6-10, 2001

2004

8/6/411 (Item 27 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18145404 **Biosis No.:** 200500052469
Characterization of vitellogenin (VTG) and vitellins in American alligators (Alligator mississippiensis) from organochlorine pesticide (OCP) contaminated lakes in Florida

2004

8/6/412 (Item 28 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18145309 **Biosis No.:** 200500052374
Regulation of steroidogenic acute regulatory protein (star protein) in largemouth bass ovarian follicle cultures

2004

8/6/413 (Item 29 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18063582 **Biosis No.:** 200400434371
Highlights on plant toxins in Toxicon

2004

8/6/414 (Item 30 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18030321 **Biosis No.:** 200400401110
Veterinary toxicovigilance: Objectives, means and organisation in France

2004

8/6/415 (Item 31 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17624300 **Biosis No.:** 200300574977
Determination of organochlorine pesticides in commercial fish by gas chromatography with electron capture detector and confirmation by gas chromatography: Mass spectrometry.

2003

8/6/416 (Item 32 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17601096 **Biosis No.:** 200300557527
Chemical poisonings in cities of mainland China.

2003

8/6/417 (Item 33 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17600997 **Biosis No.:** 200300557428
The experience of starting a poison control centre in Africa.

2003

8/6/418 (Item 34 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17579663 **Biosis No.:** 200300548382
Organochlorine pesticides in Western Cottonmouth (Agkistrodon piscivorus leuctostoma) snakes from east central Texas.

2003

8/6/419 (Item 35 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17500157 **Biosis No.:** 200300468876
Effect of acute stress on plasma beta-corticosterone, estradiol-17beta and testosterone concentrations in juvenile American alligators collected from three sites within the Kissimmee-Everglades drainage basin in Florida (USA).

2003

8/6/420 (Item 36 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17452347 **Biosis No.:** 200300421066
Comparison of induced effect of peremethrin with malathion on G O T and G P T in kidney and liver of Calotes versicolor.

2003

8/6/421 (Item 37 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17406827 **Biosis No.:** 200300365546
Reproduction and environmental contaminants: Endocrinology, evolution, and alligators.

2003

8/6/422 (Item 38 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16967836 **Biosis No.:** 200200561347
Biochemical alteration in freshwater fish Channa punctatus due to latices of Euphorbia royleana and Jatropha gossypifolia

2002

8/6/423 (Item 39 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16914058 **Biosis No.:** 200200507569
Risk assessment of an acetaminophen baiting program for chemical control of brown tree snakes on Guam: Evaluation of baits, snake residues, and potential primary and secondary hazards

2002

8/6/424 (Item 40 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16654464 **Biosis No.:** 200200247975
Poisoning in Zimbabwe: A survey of eight major referral hospitals

2002

8/6/425 (Item 41 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16650783 **Biosis No.:** 200200244294
Recent observations on the reproductive physiology and toxicology of crocodilians

Book Title: Crocodilian biology and evolution
2001

8/6/426 (Item 42 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16296550 **Biosis No.:** 200100468389
Quantification of acetaminophen residues in brown tree snakes for the determination of non-target hazards

2001

8/6/427 (Item 43 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16249821 **Biosis No.:** 200100421660
Lessons from embryos on environmental contaminants as hormones and anti-hormones

2001

8/6/428 (Item 44 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16067716 **Biosis No.:** 200100239555
Use of acetaminophen for large-scale control of brown treesnakes

2001

8/6/429 (Item 45 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15907391 **Biosis No.:** 200100079230
Possible impacts of the Cantara spill on reptile populations along the upper Sacramento River

2000

8/6/430 (Item 46 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15827209 **Biosis No.:** 200000545522
Alligators and endocrine disrupting contaminants: A current perspective

2000

8/6/431 (Item 47 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15509806 **Biosis No.:** 200000228119
Plasma steroid concentrations and male phallus size in juvenile alligators from seven Florida lakes

1999

8/6/432 (Item 48 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15165483 **Biosis No.:** 199900425143
Toxicity of pyrethrin/pyrethroid fogger products to brown tree snakes, Boiga irregularis, in cargo containers

1998

8/6/433 (Item 49 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15165482 **Biosis No.:** 199900425142
The toxicity of commercial insecticide aerosol formulations to brown tree snakes

1998

8/6/434 (Item 50 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15152674 **Biosis No.:** 199900412334
Evaluation of potential toxicants for brown tree snake control on Guam

1999

8/6/435 (Item 51 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15148488 **Biosis No.:** 199900408148
Organochlorine residues in Morelet's crocodile eggs from Belize

1999

8/6/436 (Item 52 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

15125573 **Biosis No.:** 199900385233
XIX International Congress of the European Association of Poisons Centres and Clinical Toxicologists (Dublin, Ireland; June 22-25, 1999)

1999

8/6/437 (Item 53 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

14983535 **Biosis No.:** 199900243195
Extractable organohalogens (EOX) in sediment and biota collected at an estuarine marsh near a former chloralkali facility

1999

8/6/438 (Item 54 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

14911538 **Biosis No.:** 199900171198
Contaminant-induced developmental abnormalities of the reproductive and endocrine systems in reptiles

1998

8/6/439 (Item 55 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

14905090 **Biosis No.:** 199900164750
Organisml effects of the environmentally relevant pesticide concentrations on the red-eared slider turtle, a species with temperature-dependent sex determination

1998

8/6/440 (Item 56 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

14724467 **Biosis No.:** 199800518714
Environmental toxicants and female reproduction

1998

8/6/441 (Item 57 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

14484744 **Biosis No.:** 199800278991
Bioaccumulation and toxic potential of extremely hydrophobic polychlorinated biphenyl congeners in biota collected at a superfund site contaminated with Aroclor 1268

1998

8/6/442 (Item 58 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13893743 **Biosis No.:** 199799527803
Environmental fate of pesticides in wetland communities

1997

8/6/443 (Item 59 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13861977 **Biosis No.:** 199799496037
Synthesis of novel neonicotinoids for affinity column purification and photoaffinity labeling of insect nicotinic acetylcholine receptor

1997

8/6/444 (Item 60 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13773754 **Biosis No.:** 199799407814
Endocrine-disrupting environmental contaminants: Is the oestrogen theory a good model?

1997

8/6/445 (Item 61 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13286152 **Biosis No.:** 199698753985
Formulary for laboratory animals

Book Title: Formulary for laboratory animals
1995

8/6/446 (Item 62 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13010317 **Biosis No.:** 199598478150
Neurological Disease and Therapy, Vol. 36. Handbook of neurotoxicology

Book Title: Neurological Disease and Therapy; Handbook of neurotoxicology
1995

8/6/447 (Item 63 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12968437 **Biosis No.:** 199598436270

Molecular and pharmacological properties of nicotinic receptors

1995

8/6/448 (Item 64 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12879585 **Biosis No.:** 199598347418
The Fallingsnow Ecosystem Project: Comparing manual, mechanical, and aerial herbicide conifer release in northwestern Ontario

Book Title: FRI Bulletin, No. 192; Popular Summaries from Second International Conference on Forest Vegetation Management
1995

8/6/449 (Item 65 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12636563 **Biosis No.:** 199598104396
Outline of an exotoxicological surveillance network for fauna of the Saint Lawrence: The role of the Canadian Wildlife Service

1994

8/6/450 (Item 66 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12573499 **Biosis No.:** 199598041332
Note on the occurrence of selected trace metals and organic compounds in water, sediment and biota of the Crocodile River, Eastern Transvaal, South Africa

1994

8/6/451 (Item 67 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12390681 **Biosis No.:** 199497411966
Occurrence of smooth green snakes in a highly polluted microenvironment in Central Illinois prairie

1994

8/6/452 (Item 68 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12269149 **Biosis No.:** 199497290434
Research update: From the Washington, DC, meeting on estrogens in the environment: Global health implications

1994

8/6/453 (Item 69 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12210831 **Biosis No.:** 199497232116
Control of genetic stability in the agroecosystems through botanical insecticides

1993

8/6/454 (Item 70 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12180332 **Biosis No.:** 199497201617
Wildlife toxicology

Book Title: Basic environmental **toxicology**
1994

8/6/455 (Item 71 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

12160749 **Biosis No.:** 199497182034
Environmental contaminants in eggs of the common snapping turtle (Chelydra serpentina serpentina) from the Great Lakes-St. Lawrence River Basin of Ontario, Canada (1981,1984)

1993

8/6/456 (Item 72 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11966710 **Biosis No.:** 199396131126
Stimulation of delayed-type hypersensitivity reaction to venom of the Central Asian viper Vipera lebetina and its liposomal form

1992

8/6/457 (Item 73 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11966503 **Biosis No.:** 199396130919
No general ozone-specific indicator among the hexane- and dichloromethane-soluble components of Picea abies needles exposed to ozone in open-top chambers

1993

8/6/458 (Item 74 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11966446 **Biosis No.:** 199396130862
Biomonitoring environmental contamination with pipping black-crowned night heron embryos: Induction of cytochrome P450

1993

8/6/459 (Item 75 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11966445 **Biosis No.:** 199396130861
Effects on wildlife of brace 10G applications to corn in South Central Iowa

1993

8/6/460 (Item 76 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11923702 **Biosis No.:** 199396088118
Identification of bis(agmatine)oxalamide in venom from the primitive hunting spider, Plectreurys tristis (Simon)

1993

8/6/461 (Item 77 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11880651 **Biosis No.:** 199396045067
Application of land-use data and screening tests for evaluating pesticide runoff toxicity in surface

waters

1993

8/6/462 (Item 78 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11870624 **Biosis No.:** 199396035040
Phagocytic activity of Dictyostelium amoebae treated with an organochlorine pesticide

1993

8/6/463 (Item 79 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11870428 **Biosis No.:** 199396034844
Uptake of uranium and thorium series radionuclides by the waterlily, Nymphaea violacea

1993

8/6/464 (Item 80 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11778393 **Biosis No.:** 199395080659
Residue studies on oxadiazon and its metabolites in terrapin and corb shell processed foods: Studies on environmental contaminants in food

1992

8/6/465 (Item 81 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11641996 **Biosis No.:** 199345072978
A model for estimating exposure of nontargets to pesticides

1993

8/6/466 (Item 82 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11634680 **Biosis No.:** 199345065662

Morphological picture of thyroid follicles of grass snake (Natrix natrix L.) in acute and chronical N-nitroso-N-methylurea (NMU) intoxication

1992

8/6/467 (Item 83 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11344224 **Biosis No.:** 199294046065
ARTHROPOD TOXINS AS LEADS FOR NOVEL INSECTICIDES AN ASSESSMENT OF POLYAMINE AMIDES AS GLUTAMATE ANTAGONISTS

1992

8/6/468 (Item 84 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11284648 **Biosis No.:** 199293127539
CHANGES IN THE BINDING AND INHIBITORY PROPERTIES OF UREA TRIAZINE-TYPE HERBICIDES UPON PHOSPHOLIPID AND GALACTOLIPID DEPLETION IN THE OUTER MONOLAYER OF THYLAKOID MEMBRANES DIFFERENT BEHAVIOUR OF ATRAZINE-SUSCEPTIBLE AND RESISTANT BIOTYPES OF SOLANUM-NIGRUM L

1992

8/6/469 (Item 85 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10873021 **Biosis No.:** 199192118792
THE CASE FOR A CAUSE-EFFECT LINKAGE BETWEEN ENVIRONMENTAL CONTAMINATION AND DEVELOPMENT IN EGGS OF THE COMMON SNAPPING TURTLE CHELYDRA-SERPENTINA-SERPENTINA FROM ONTARIO CANADA

1991

8/6/470 (Item 86 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10742343 **Biosis No.:** 199191125234
CONTAMINANTS IN AMERICAN ALLIGATOR EGGS FROM LAKE APOPKA LAKE GRIFFIN LAKE OKEECHOBEE FLORIDA USA

1991

8/6/471 (Item 87 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10708115 **Biosis No.:** 199191091006
ORGANOCHLORINE PESTICIDES IN SOIL SEDIMENTS AND AQUATIC ANIMALS IN THE UPPER STEELE BAYOU WATERSHED OF MISSISSIPPI USA

1991

8/6/472 (Item 88 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10523950 **Biosis No.:** 199141036576
ORGANOCHLORINES IN CROCODILE EGGS FROM KENYA

1991

8/6/473 (Item 89 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10363708 **Biosis No.:** 199140006599
DETECTION PRESERVATION AND EXAMINATION OF TRACES OF UNUSUAL ENVIRONMENT POISONING

1990

8/6/474 (Item 90 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10242284 **Biosis No.:** 199090026763
COMPARATIVE METABOLISM OF AND SENSITIVITY TO FLUOROACETATE IN GEOGRAPHICALLY SEPARATED POPULATIONS OF TILIQUA-RUGOSA GRAY SCINCIDAE

1990

8/6/475 (Item 91 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10067024 **Biosis No.:** 199039120413
THE CONSERVATION OF THE COASTAL AND MARINE MEDITERRANEAN

ECOSYSTEMS

1989

8/6/476 (Item 92 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10048219 **Biosis No.:** 199039101608
A COMPARISON OF VENOM COMPONENTS OF THERAPHOSIDAE SPIDERS

1990

8/6/477 (Item 93 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

10046668 **Biosis No.:** 199039100057
VENOM TOXINS OF THERAPHOSIDAE SPIDERS

1990

8/6/478 (Item 94 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

09961987 **Biosis No.:** 199039015376
BIOTRANSFORMATIONS VOL. 2. A SURVEY OF THE BIOTRANSFORMATIONS OF DRUGS AND CHEMICALS IN ANIMALS

Book Title: HAWKINS, D. R. (ED.). BIOTRANSFORMATIONS, VOL. 2. A SURVEY OF THE BIOTRANSFORMATIONS OF DRUGS AND CHEMICALS IN ANIMALS. XIX+496P. ROYAL SOCIETY OF CHEMISTRY: CAMBRIDGE, ENGLAND, UK; CRC PRESS, INC.: BOCA RATON, FLORIDA, USA. ILLUS
1989

8/6/479 (Item 95 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

09810782 **Biosis No.:** 198988125897
DDT RESIDUES IN THE FAT OF CROCODILES FROM LAKE KARIBA ZIMBABWE

1989

8/6/480 (Item 96 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

09535646 **Biosis No.:** 198937113395
BIOTRANSFORMATIONS VOL. 1. A SURVEY OF THE BIOTRANSFORMATIONS OF DRUGS AND CHEMICALS IN ANIMALS

Book Title: HAWKINS, D. R. (ED.). BIOTRANSFORMATIONS, VOL. 1. A SURVEY OF THE BIOTRANSFORMATIONS OF DRUGS AND CHEMICALS IN ANIMALS. XXI+511P. ROYAL SOCIETY OF CHEMISTRY: CAMBRIDGE, ENGLAND, UK. ILLUS
1988

8/6/481 (Item 97 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

09167419 **Biosis No.:** 198886007340
TOXICITY OF CENTRAL ASIAN COBRA NAJA-NAJA-OXIANA EICHWALD VENOM AND ITS COMPONENTS TO THE LARVAE OF BLOWFLY PARASARCOPHAGA-RUFICORNIS FABR

1988

8/6/482 (Item 98 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

09137708 **Biosis No.:** 198885106599
CONCENTRATIONS OF CONTAMINANTS IN MUSCLE OF THE AMERICAN ALLIGATOR IN FLORIDA USA

1988

8/6/483 (Item 99 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08938838 **Biosis No.:** 198835035943
AMPHIBIAN AND REPTILE FATALITIES CAUSED BY CHLORDANE SPRAYING?

1988

8/6/484 (Item 100 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08907290 **Biosis No.:** 198835004395

COMBINED TOXICITY OF CARBARYL AND PHENTHOATE ON INDIAN SNAKEHEAD CHANNA-PUNCTATUS

Book Title: RAO, K. S. AND S. SHRIVASTAVA (ED.). PERSPECTIVE IN HYDROBIOLOGY; SYMPOSIUM, UJJAIN, INDIA, FEBRUARY 8-10, 1986. XI+266P. SCHOOL OF STUDIES IN ZOOLOGY, VIKRAM UNIVERSITY: UJJAIN, INDIA. ILLUS. PAPER
1987

8/6/485 (Item 101 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08760044 **Biosis No.:** 198784114193
PESTICIDE CONCENTRATIONS IN SOME SOUTH AUSTRALIAN BIRDS AND OTHER FAUNA

1987

8/6/486 (Item 102 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08584332 **Biosis No.:** 198783063223
SOME ASPECTS OF THE POPULATION DYNAMICS OF THE BAT RHINOPOMA-HARDWICKEI IN A CAVE SYSTEM

1986

8/6/487 (Item 103 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08550365 **Biosis No.:** 198783029256
CHLORINATED HYDROCARBONS AND HEAVY METALS IN CROCODILE CROCODYLUS-NILOTICUS EGGS FROM ZIMBABWE

1986

8/6/488 (Item 104 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08504530 **Biosis No.:** 198733111135
INDEPENDENT AND COMBINED ACTION OF CARBARYL AND PHENTHOATE ON SNAKE HEAD CHANNA-PUNCTATUS BLOCH

1987

8/6/489 (Item 105 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08162902 **Biosis No.:** 198682009289
WILDLIFE IN SOME AREAS OF NEW-MEXICO AND TEXAS USA ACCUMULATE ELEVATED DDE RESIDUES 1983

1986

8/6/490 (Item 106 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08104168 **Biosis No.:** 198681068059
EFFECTS OF ENVIRONMENTAL CONTAMINANTS ON SNAPPING TURTLES CHELYDRA-SERPENTINA OF A TIDAL WETLAND

1985

8/6/491 (Item 107 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07815143 **Biosis No.:** 198630014034
INCIDENCE OF POISONING IN DOGS AND CATS IN MELBOURNE AUSTRALIA

1985

8/6/492 (Item 108 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07559230 **Biosis No.:** 198529088129
TRANSVAAL MUSEUM MONOGRAPH NO. 3. THE STATUS AND CONSERVATION OF BIRDS OF PREY IN THE TRANSVAAL

Book Title: TARBOTON, W. R. AND D. G. ALLAN. TRANSVAAL MUSEUM MONOGRAPH, NO. 3. THE STATUS AND CONSERVATION OF BIRDS OF PREY IN THE TRANSVAAL. V+115P. TRANSVAAL MUSEUM/TRANSVAALMUSEUM: PRETORIA, SOUTH AFRICA. ILLUS. MAPS
1984

8/6/493 (Item 109 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07540346 **Biosis No.:** 198529069245
A STUDY ON THE GENESIS OF MANEB-INDUCED MALFORMATIONS OF THE REGENERATING LIMB OF THE ADULT CRESTED NEWT

Book Title: VAGO, C. AND G. MATZ (ED.). COMPTES RENDUS DU PREMIER COLLOQUE INTERNATIONAL DE PATHOLOGIE DES **REPTILES** ET DES AMPHIBIENS; PROCEEDINGS OF THE FIRST INTERNATIONAL COLLOQUIUM ON PATHOLOGY OF **REPTILES** AND AMPHIBIANS; MEETING, SEPT. 29-OCT. 2, 1982, ANGERS, FRANCE. X+258P. PRESSES DE L'UNIVERSITE D'ANGERS: ANGERS, FRANCE. ILLUS. PAPER
1983

8/6/494 (Item 110 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07540339 **Biosis No.:** 198529069238
LIVER NEOPLASMS IN TOADS BUFO-REGULARIS ENFORCED FED WITH CHLORDIMEFORM

Book Title: VAGO, C. AND G. MATZ (ED.). COMPTES RENDUS DU PREMIER COLLOQUE INTERNATIONAL DE PATHOLOGIE DES **REPTILES** ET DES AMPHIBIENS; PROCEEDINGS OF THE FIRST INTERNATIONAL COLLOQUIUM ON PATHOLOGY OF **REPTILES** AND AMPHIBIANS; MEETING, SEPT. 29-OCT. 2, 1982, ANGERS, FRANCE. X+258P. PRESSES DE L'UNIVERSITE D'ANGERS: ANGERS, FRANCE. ILLUS. PAPER
1983

8/6/495 (Item 111 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07409649 **Biosis No.:** 198528048552
HEALTH PROBLEMS OF AGRICULTURAL WORKERS IN MALAYSIA

1983

8/6/496 (Item 112 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07360868 **Biosis No.:** 198478096275
SOME HEMATOLOGICAL BIOCHEMICAL AND ENZYMOLOGICAL PARAMETERS OF A FRESH WATER TELEOST FISH CHANNA-PUNCTATUS EXPOSED TO SUBLETHAL CONCENTRATIONS OF QUINALPHOS

1984

8/6/497 (Item 113 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07304403 **Biosis No.:** 198478039810
RESIDUES OF ORGANO CHLORINE INSECTICIDES POLY CHLORINATED BI PHENYLS AND HEAVY METALS IN BIOTA FROM THE APALACHICOLA RIVER FLORIDA USA 1978

1984

8/6/498 (Item 114 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07304389 **Biosis No.:** 198478039796
METABOLISM OF PARATHION AND BRAIN CHOLIN ESTERASE INHIBITION IN AROCLOR 1254 TREATED AND UNTREATED CASPIAN TERRAPIN MAUREMYS-CASPICA-RIVULATA EMYDIDAE CHELONIA IN COMPARISON WITH 2 SPECIES OF WILD BIRDS

1983

8/6/499 (Item 115 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07199198 **Biosis No.:** 198477031109
OBSERVATIONS ON SIDE EFFECTS OF ENDOSULFAN USED TO CONTROL TSETSE IN A SETTLEMENT ARE IN CONNECTION WITH A CAMPAIGN AGAINST HUMAN SLEEPING SICKNESS IN IVORY-COAST

1983

8/6/500 (Item 116 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07132869 **Biosis No.:** 198427048288
HEAVY METAL BURDENS IN AMERICAN CROCODILE CROCODYLUS-ACUTUS EGGS FROM FLORIDA BAY FLORIDA USA

1984

8/6/501 (Item 117 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07037442 **Biosis No.:** 198426036369
A STUDY OF THE EFFECTS OF BOLERO 10G ON THE MOUNTAIN GARTER SNAKE THAMNOPHIS-ELEGANS-ELEGANS

1983

8/6/502 (Item 118 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06962207 **Biosis No.:** 198376053642
NEURO TRANSMITTER RECEPTORS AS TARGETS FOR PESTICIDES

1983

8/6/503 (Item 119 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06900411 **Biosis No.:** 198375084354
CHANGES IN TERRESTRIAL ANIMAL ACTIVITY OF A FOREST COMMUNITY AFTER AN APPLICATION OF AMINOCARB MATACIL

1982

8/6/504 (Item 120 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06846494 **Biosis No.:** 198375030437
ACCUMULATION OF ORGANO CHLORINE PESTICIDES IN ANIMALS OF RESERVES USSR

1981

8/6/505 (Item 121 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06696965 **Biosis No.:** 198324030908
METHOXYCHLOR RESIDUES IN TREATED IRRIGATION CANAL WATER IN SOUTH CENTRAL IDAHO USA

1982

8/6/506 (Item 122 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06663440 **Biosis No.:** 198274079863
RESPONSES OF THE IGUANID LIZARD ANOLIS-CAROLINENSIS TO 4 ORGANO PHOSPHORUS PESTICIDES

1982

8/6/507 (Item 123 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06443265 **Biosis No.:** 198223017200
SEASONAL FLUCTUATIONS IN CALLS RECEIVED BY A REGIONAL POISON CONTROL CENTER

1981

8/6/508 (Item 124 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06425951 **Biosis No.:** 198222069894
VETERINARY TOXICOLOGY 2ND EDITION

Book Title: CLARKE, M. L., D. G. HARVEY AND D. J. HUMPHREYS. VETERINARY **TOXICOLOGY**, 2ND EDITION. VII+328P. BAILLIERE TINDALL: LONDON, ENGLAND; TORONTO, ONT., CANADA
1981

8/6/509 (Item 125 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06301037 **Biosis No.:** 198172034988
EFFECT OF CATTLE DIP CONTAINING TOXAPHENE ON THE FAUNA OF A SOUTH AFRICAN RIVER

1980

8/6/510 (Item 126 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06286364 **Biosis No.:** 198172020315
PROPOSAL FOR A PREDATOR FOR THE DESTRUCTION OF TRIATOMA-INFESTANS

TARENTOLA-MAURITANICA

1980

8/6/511 (Item 127 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

06237345 **Biosis No.:** 198171056304
CHLORINATED HYDRO CARBON INSECTICIDE RESIDUES IN CROCODILUS - NILOTICUS EGGS FROM LAKE KARIBA ZIMBABWE

1980

8/6/512 (Item 128 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05998019 **Biosis No.:** 198070029506
DEVELOPMENT OF A NEW TYPE TRAP WITH ADHESIVE SEAT CONTAINING PESTICIDES

1979

8/6/513 (Item 129 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05885285 **Biosis No.:** 198019061774
PESTICIDES UPSET ECOLOGICAL BALANCE

1979

8/6/514 (Item 130 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05864508 **Biosis No.:** 198019040997
EFFECTS OF ENVIRONMENTAL CONTAMINANTS ON REPTILES A REVIEW

1980

8/6/515 (Item 131 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05812572 **Biosis No.:** 198018051563
THE USE OF IN-VITRO TECHNIQUES TO STUDY THE COMPARATIVE METABOLISM OF XENOBIOTICS

Book Title: PAULSON, G. D., D. S. FREAR AND E. P. MARKS (ED.). ACS(AMERICAN CHEMICAL SOCIETY) SYMPOSIUM SERIES, VOL. 97. XENOBIOTIC METABOLISM: IN VITRO METHODS: A SYMPOSIUM AT THE 176TH MEETING OF THE AMERICAN CHEMICAL SOCIETY, MIAMI, FLA., USA, SEPT. L0-L5, L978. VIII+328P. AMERICAN CHEMICAL SOCIETY: WASHINGTON, D. C., USA. ILLUS
1979

8/6/516 (Item 132 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05802112 **Biosis No.:** 198018041103
TOTAL AND ORGANIC MERCURY IN MARINE FISH OF THE UPPER GULF OF THAILAND

1979

8/6/517 (Item 133 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05802062 **Biosis No.:** 198018041053
MIREX RESIDUES IN EGGS AND LIVERS OF 2 LONG-LIVED REPTILES CHRYSEMYS-SCRIPTA AND TERRAPENE-CAROLINA IN MISSISSIPPI USA 1970-1977

1979

8/6/518 (Item 134 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05770794 **Biosis No.:** 198018009785
ORGANO CHLORINE INSECTICIDE RESIDUES IN AMPHIBIANS AND REPTILES FROM IOWA AND LIZARDS FROM THE SOUTHWESTERN USA

1979

8/6/519 (Item 135 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05770725 **Biosis No.:** 198018009716
ORGANO CHLORINE RESIDUES IN EGGS OF THE ENDANGERED AMERICAN CROCODILE CROCODYLUS-ACUTUS

1979

8/6/520 (Item 136 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05764098 **Biosis No.:** 198018003089
EXPERIMENTAL APPLICATION OF INSECTICIDES FROM A HELICOPTER FOR CONTROL OF RIVERINE POPULATIONS OF GLOSSINA-TACHINOIDES IN WEST AFRICA 1. OBJECTIVES EXPERIMENTAL AREA AND INSECTICIDES EVALUATED

1978

8/6/521 (Item 137 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05703326 **Biosis No.:** 197968014825
FIELD OBSERVATIONS ON THE NATURE AND EXTENT OF DAMAGE BY INDIAN DESERT TERMITES AND THEIR CONTROL

1978

8/6/522 (Item 138 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05688117 **Biosis No.:** 197967077112
EFFECT OF AGRICULTURAL ACTIVITY ON LEVELS OF ORGANO CHLORINE PESTICIDES IN HARD CORALS FISH AND MOLLUSKS FROM THE GREAT BARRIER REEF

1978

8/6/523 (Item 139 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05651243 **Biosis No.:** 197967040238
THE LETHAL EFFECTS OF PESTICIDES ON REPTILES

1978

8/6/524 (Item 140 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05645192 **Biosis No.:** 197967034187
SUMMARY OF THE STUDIES IN FUNDAMENTAL RESEARCH DIVISION

1978

8/6/525 (Item 141 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05606166 **Biosis No.:** 197917055161
INSECT ACETYL CHOLINE RECEPTORS AS A SITE OF INSECTICIDE ACTION

1978

8/6/526 (Item 142 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05579670 **Biosis No.:** 197917028665
ALTERNATIVE MEANS OF PEST CONTROL

Book Title: KAUFMAN, PETER B. AND J. DONALD LACROIX. (ED.). PLANTS, PEOPLE AND ENVIRONMENT. XIII+542P. ILLUS. MAPS. MACMILLAN PUBLISHING CO., INC.: NEW YORK, N.Y., USA; COLLIER MACMILLAN PUBLISHERS: LONDON, ENGLAND. ISBN 0-02-362120-6
1979

8/6/527 (Item 143 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05509535 **Biosis No.:** 197916018530
THE NEED FOR MARINE PARKS AND RESERVES IN MALAYSIA

1976

8/6/528 (Item 144 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05462961 **Biosis No.:** 197866049445
MIREX RESIDUES IN NONTARGET ORGANISMS AFTER APPLICATION OF 10-5 BAIT FOR FIRE ANT CONTROL NORTHEAST FLORIDA 1972-1974

1977

8/6/529 (Item 145 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05395218 **Biosis No.:** 197865056205
REDUCTION OF COURTSHIP BEHAVIOR INDUCED BY DDE IN MALE RINGED TURTLE DOVES

1977

8/6/530 (Item 146 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05326136 **Biosis No.:** 197815043623
DDT RESIDUES IN SNAKES DECLINE SINCE DDT BAN

1978

8/6/531 (Item 147 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05227969 **Biosis No.:** 197814001956
THE STATUS OF DRYMARCHON-CORAIS-COUPERI THE EASTERN INDIGO SNAKE IN THE SOUTHEASTERN USA

1977

8/6/532 (Item 148 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05225713 **Biosis No.:** 197866074202
A SURVEY OF CHLORINATED HYDRO CARBON RESIDUES IN KENYAN BIRDS OF PREY

1977

8/6/533 (Item 149 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05169531 **Biosis No.:** 197764017887
MONITORING AGRICULTURAL INSECTICIDES IN THE COOPERATIVE COTTON PEST MANAGEMENT PROGRAM IN ARIZONA 1971 1ST YEAR STUDY

1977

8/6/534 (Item 150 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05104863 **Biosis No.:** 197763025719
THE SMOOTH SNAKE CORONELLA-AUSTRIACA AN ENDANGERED SPECIES

1976

8/6/535 (Item 151 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05047993 **Biosis No.:** 197713073985
CHLORINATED HYDRO CARBON RESIDUE IN SOILS SPIDERS AND RATS OF THE HOLE-IN-THE-DONUT REGION AS INDICATORS OF ENVIRONMENTAL RESIDUES

1976

8/6/536 (Item 152 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04994399 **Biosis No.:** 197713020391
ATPASE ACTIVITY IN BRAIN INTESTINAL MUCOSA KIDNEY AND LIVER CELLULAR FRACTIONS OF THE RED-EARED TURTLE FOLLOWING IN-VITRO TREATMENT WITH DDT DDD AND DDE

1975

8/6/537 (Item 153 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04978247 **Biosis No.:** 197713004239
GLUTATHIONE S ARYL TRANSFERASE AS A MODEL FOR THE GLUTATHIONE S TRANSFERASES

Book Title: COULSTON, FREDERICK AND FRIEDHELM KORTE (ED.). ENVIRONMENTAL QUALITY AND SAFETY SUPPLEMENT, VOL. III. **PESTICIDES**. INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY THIRD INTERNATIONAL CONGRESS. HELSINKI, FINLAND, JULY 3-9, 1974. XVI+880P. ILLUS. GEORGE THIEME PUBLISHERS: STUTTGART, WEST GERMANY. ISBN 3-13-517001-2
1975

8/6/538 (Item 154 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04921205 **Biosis No.:** 197662017344
PHOTOMETRIC DETERMINATION OF METHYL PARATHION REDUCED GLUTATHIONE S METHYL TRANSFERASE

1976

8/6/539 (Item 155 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04875918 **Biosis No.:** 197661042057
ETIOLOGY OF LIVER DISEASE IN REPTILES

1975

8/6/540 (Item 156 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04853340 **Biosis No.:** 197661019479
1974 INTERNATIONAL ZOO YEAR BOOK VOL 14

1974

8/6/541 (Item 157 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04806687 **Biosis No.:** 197612072826
ATPASE ACTIVITY IN CELLULAR FRACTIONS OF THE RED-EARED TURTLE TREATED IN-VITRO WITH DDT DDD AND DDE

1975

8/6/542 (Item 158 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04698187 **Biosis No.:** 197560034326
A PROSPECTIVE STUDY OF THE EFFECTS OF ULTRA LOW VOLUME AERIAL APPLICATION OF MALATHION ON EPIDEMIC PLASMODIUM-FALCIPARUM MALARIA PART 3 ECOLOGICAL ASPECTS

1975

8/6/543 (Item 159 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04685435 **Biosis No.:** 197560021574
THE PHENOXY HERBICIDES

1975

8/6/544 (Item 160 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04540775 **Biosis No.:** 197511046918
CONTROL OF THE PHARAOH ANT MONOMORIUM-PHARAONIS AT THE REPTILE HOUSE IN THE BROOKFIELD ZOO BROOKFIELD ILLINOIS USA

1974

8/6/545 (Item 161 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04476471 **Biosis No.:** 197458052322
EFFECT OF SUBLETHAL DOSES OF CHLORINATED HYDRO CARBON INSECTICIDES ON THE HEART OF THE TORTOISE LISSEMYS-PUNCTATA

1972

8/6/546 (Item 162 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04454872 **Biosis No.:** 197458030722
AERIAL BAITING TO CONTROL LEAF-CUTTING ANTS FORMICIDAE ATTINI IN TRINIDAD PART 2 FIELD APPLICATION NEST MORTALITY AND THE EFFECT ON OTHER ANIMALS

1973

8/6/547 (Item 163 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04453111 **Biosis No.:** 197458028961
HAND BOOK OF POISONING DIAGNOSIS AND TREATMENT

Book Title: HAND BOOK OF **POISONING** DIAGNOSIS AND TREATMENT
1974

8/6/548 (Item 164 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04435511 **Biosis No.:** 197458011361
SOME ORGANO CHLORINE PESTICIDE RESIDUES IN WILDLIFE OF THE NORTHERN TERRITORY AUSTRALIA 1970-71

1973

8/6/549 (Item 165 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04431297 **Biosis No.:** 197458007146
RARE AND ENDANGERED VERTEBRATES OF OHIO

1973

8/6/550 (Item 166 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04309758 **Biosis No.:** 197410055913
DISTRIBUTION OF DIELDRIN IN THE TURTLE

1973

8/6/551 (Item 167 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04119236 **Biosis No.:** 197355005706
DIFFICULTIES WITH SKIN SHEDDING IN SNAKES AFTER A NEGUVON TREATMENT

1971

8/6/552 (Item 168 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03954864 **Biosis No.:** 197254011378
CONCISE REVIEW OF PRACTICAL TOXICOLOGY

1971

8/6/553 (Item 169 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03920022 **Biosis No.:** 197253046542
CATABOLIC EFFECTS OF CYCLO HEXIMIDE IN THE LIVING REPTILE

1971

8/6/554 (Item 170 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03747500 **Biosis No.:** 197152114026
ON THE EFFECT OF NEGUVON ON MITES OF THE FAMILY PTERYGOSOMIDAE

1970

8/6/555 (Item 171 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03687443 **Biosis No.:** 197152053969
THE ECOLOGY OF A SMALL FORESTED WATERSHED TREATED WITH THE INSECTICIDE MALATHION SULFUR-35

1970

8/6/556 (Item 172 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03664267 **Biosis No.:** 197152030793
ON THE USE OF THE INSECTICIDE BROMOPHOS FOR REPTILE MAINTENANCE

1970

8/6/557 (Item 173 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03520545 **Biosis No.:** 197051117091
INSECTICIDES IN THE BIG-BEND NATIONAL PARK

1970

8/6/558 (Item 174 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03468081 **Biosis No.:** 197051064627
SOIL FOOD-CHAIN PESTICIDE WILDLIFE RELATIONSHIPS IN ALDRIN TREATED FIELDS

1970

8/6/559 (Item 175 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

03464714 **Biosis No.:** 197051061260
TOXICOLOGICAL STUDIES OF BAYGON INSECTICIDE IN SHABANKAREH AREA IRAN

1969

8/6/560 (Item 176 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001881540 **Biosis No.:** 19684900040180
Pesticides at Presidio: IV. Reptiles, birds, and mammals

1967

8/6/561 (Item 177 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001881539 **Biosis No.:** 19684900040179
Residues in fish, wildlife, and estuaries

1967

8/6/562 (Item 178 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001650437 **Biosis No.:** 19664700054538
Biology of the eggplant tortoise beetle (Coleoptera: Chry-somelidae)

1965

8/6/563 (Item 179 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001613218 **Biosis No.:** 19664700017317
Enzymes and poisons Problems of general industrial toxicology From: REF ZH OTD VYPUSK FARMAKOL TOKSKOL, 1965, No. 3.54.310. (Translation)

Original Language Title: Fermenty i yad In: Voprosy obshchei promyshlennoi toksikologi From: REF ZH OTD VYPUSK FARMAKOL TOKSKOL, 1965, No. 3.54.310. (Translation)
Book Title: Enzymes and poisons Problems of general industrial **toxicology**
Original Language Book Title: Fermenty i yad In: Voprosy obshchei promyshlennoi toksikologi Problems of general industrial **toxicology**
1963

8/6/564 (Item 180 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001531284 **Biosis No.:** 19654600045380
Control of the snake mite, Ophionyssus natricis (Gervais). in captive reptile collections

1964

8/6/565 (Item 181 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001341989 **Biosis No.:** 19634300014563
Poisonin. Chemistry[long dash]symptoms[long dash] treatments

Book Title: Poisonin. Chemistry[long dash]symptoms[long dash] treatments
1963

8/6/566 (Item 182 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001281910 **Biosis No.:** 19634100003955

A field trial to determine the efficacy of dieldrin in malaria control in Ceylon

1961

8/6/567 (Item 183 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001247602 **Biosis No.:** 19623900020763
Studies on the biology and control of Lach-nosterna consanguinea (Blanch.), a pest of sugarcane in Bihar (India)

1961

8/6/568 (Item 184 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001192695 **Biosis No.:** 19623700015591
Introducing white pine into poor-site hardwood stands in West Virginia

1961

8/6/569 (Item 185 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001037871 **Biosis No.:** 19603500020306
Fire ant eradication ..and quail

1958

8/6/570 (Item 186 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001014329 **Biosis No.:** 19593400011782
The fire ant eradication program and how it affects wildlife

1958

8/6/571 (Item 187 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001011301 **Biosis No.:** 19593400008753

The effects of mosquito larviciding on other organisms in Salt Lake County

1957

8/6/572 (Item 188 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000869237 **Biosis No.:** 19563000032924
Selective pesticides as aids to biological control of apple pests

1956

8/6/573 (Item 189 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000759901 **Biosis No.:** 19532700017134
Medecine tropicale. Dans la Collection Medico-chirurgicale a revision annuelle (Directeur general: Pasteur Vallery-Radot)

Book Title: Medecine tropicale. Dans la Collection Medico-chirurgicale a revision annuelle (Directeur general: Pasteur Vallery-Radot)
1952

8/6/574 (Item 190 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000755677 **Biosis No.:** 19532700012923
Organic phosphorous compounds as insecticides, nerve gases, and enzyme inhibitors

Original Language Title: Organiska fosforforeningar som insekts-medel, nervgaser och enzymhammare
1952

8/6/575 (Item 191 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000722055 **Biosis No.:** 19522600016603
Cockchafers and white grubs

Original Language Title: Le hanneton et le ver blanc
1950

8/6/576 (Item 192 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000654019 **Biosis No.:** 19502400025334
Forest spraying and some effects of DDT

1949

8/6/577 (Item 193 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000405895 **Biosis No.:** 19411500003124
A study of pollen germination upon the stigmas of apple flowers treated with fungicides

1939

8/6/578 (Item 1 from file: 156)
DIALOG(R)File 156: ToxFile

1235507 **NLM Doc No:** NTIS/02986273 **Sec. Source ID:** NTIS/PB96172671
Effects of 16 Vertebrate Control Agents on Threatened and Endangered Species. U.S. Fish and Wildlife Service Biological Opinion.

1993

8/6/579 (Item 2 from file: 156)
DIALOG(R)File 156: ToxFile

1171856 **NLM Doc No:** NTIS/02971579 a **Sec. Source ID:** NTIS/PB91136259
Fiscal Year 1989 Program Report: State of Washington Water Research Center.

1990

8/6/580 (Item 3 from file: 156)
DIALOG(R)File 156: ToxFile

1060217 **NLM Doc No:** CRISP/1999/ES07375-05S10001 **Sec. Source ID:** CRISP/1999/ES07375-05S10001
ENDOCRINE DISRUPTING EFFECTS OF CHLORINATED HYDROCARBONS ON WILDLIFE

1999

8/6/581 (Item 4 from file: 156)
DIALOG(R)File 156: ToxFile

535692 **NLM Doc No:** HEEP/73/11097 **Sec. Source ID:** HEEP/73/11097
From poison to poison remedy in Ancient China.

1971

8/6/582 (Item 5 from file: 156)
DIALOG(R)File 156: ToxFile

517298 **NLM Doc No:** HAPAB/70/02136 **Sec. Source ID:** HAPAB/70/02136
Pyramiding damage.

1969

8/6/583 (Item 6 from file: 156)
DIALOG(R)File 156: ToxFile

513823 **NLM Doc No:** HAPAB/67/00615 **Sec. Source ID:** HAPAB/67/00615
Mosquito Control and W9ldlife Management

1967

8/6/584 (Item 7 from file: 156)
DIALOG(R)File 156: ToxFile

182747 **NLM Doc No:** DART/TER/1000211 **Sec. Source ID:** DART/TER/1000211
Environmental contaminants and developmental toxicity for the American alligator in Central Florida.

2001

8/6/585 (Item 8 from file: 156)
DIALOG(R)File 156: ToxFile

159756 **NLM Doc No:** RISKLINE/1999090013 **Sec. Source ID:** RISKLINE/1999090013
DDT und Derivate

1999

8/6/586 (Item 9 from file: 156)
DIALOG(R)File 156: ToxFile

159556 **NLM Doc No:** RISKLINE/1998020005 **Sec. Source ID:** RISKLINE/1998020005
Integrated criteria document dioxins

1993

? **T9/6/1-300**

9/6/1 (Item 1 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009750279 **CAB Accession Number:** 20093028174
Passive immunisation - an old method newly discovered.
Original Title: Die Passive Immunisierung - eine alte Methode neu entdeckt: Teil 1: Historie und Wirkungsmechanismen.
Publication Year: 2009

9/6/2 (Item 2 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009555239 **CAB Accession Number:** 20083140154
Response of selected nontarget native Florida wetland plant species to metsulfuron methyl.

Publication Year: 2008

9/6/3 (Item 3 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009453614 **CAB Accession Number:** 20083012893
Susceptibility of Anthonomus grandis (cotton boll weevil) and Spodoptera frugiperda (fall armyworm) to a Cry1Ia-type toxin from a Brazilian Bacillus thuringiensis strain.

Publication Year: 2007

9/6/4 (Item 4 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009435036 **CAB Accession Number:** 20063241040
Advances in the treatment of diabetic nephropathy with Traditional Chinese Medicine.

Publication Year: 2005

9/6/5 (Item 5 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009273096 **CAB Accession Number:** 20073128608
Atrazine-induced aromatase expression is SF-1 dependent: implications for endocrine disruption in wildlife and reproductive cancers in humans.

Publication Year: 2007

9/6/6 (Item 6 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009181796 **CAB Accession Number:** 20063231914
The efficacy of phosphine fumigation against dried fruit pests in Turkey.

Publication Year: 2004

9/6/7 (Item 7 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009075794 **CAB Accession Number:** 20063108021
Differences and similarities in poisoning admissions between urban and rural health centers in Zimbabwe.

Publication Year: 2006

9/6/8 (Item 8 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0009022179 **CAB Accession Number:** 20063083809
Antibiotic resistance from wastewater oxidation ponds.

Publication Year: 2005

9/6/9 (Item 9 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008895096 **CAB Accession Number:** 20053154169

Infestation and chemical control on alligator alternanthera in Shanghai.

Publication Year: 2005

9/6/10 (Item 10 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008689760 **CAB Accession Number:** 20043136812
Ovicidal effect of neem on snakegourd pest, Plusia peponis (lepidoptera: Noctuidae).

Publication Year: 2004

9/6/11 (Item 11 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008615830 **CAB Accession Number:** 20043053913
Endocrine -disrupting compounds and mixtures: unexpected dose-response.

Publication Year: 2004

9/6/12 (Item 12 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008501693 **CAB Accession Number:** 20033149969
In vitro modulation of prolactin mRNA by toxaphene and 3,3prime,4,4prime-tetrachlorobiphenyl.

Publication Year: 2003

9/6/13 (Item 13 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008454187 **CAB Accession Number:** 20033085787
Monitoring of pesticide residue in summer fruits and vegetables growing on the riverbed side.

Publication Year: 2003

9/6/14 (Item 14 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008428443 **CAB Accession Number:** 20033073775

Biological activity of certain insecticides against the tortoise beetle, Cassida vittata Vill. and associate natural enemies in sugar beet fields.

Publication Year: 2002

9/6/15 (Item 15 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008428439 **CAB Accession Number:** 20033073779
The efficiency of some insecticides on tortoise beetle, Cassida vittata Vill. inhabiting sugar beet fields.

Publication Year: 2002

9/6/16 (Item 16 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008426454 **CAB Accession Number:** 20033050030
Relative contributions of organochlorine contaminants, parasitism, and predation to reproductive success of Eastern spiny softshell turtles (Apalone spiniferus spiniferus) from Southern Ontario, Canada.

Publication Year: 2003

9/6/17 (Item 17 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008424756 **CAB Accession Number:** 20033069772
Influence of ethephon on translocation and phytotoxicity of glyphosate in alligator weed Alternanthera philoxeroides .

Publication Year: 2003

9/6/18 (Item 18 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008362116 **CAB Accession Number:** 20023195204
Broom snakeweed control and seed damage after herbicide applications.

Publication Year: 2002

9/6/19 (Item 19 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008262987 **CAB Accession Number:** 20023109851
Organochlorine contaminants in eggs: the influence of contaminated nest material.

Publication Year: 2002

9/6/20 (Item 20 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008209090 **CAB Accession Number:** 20023043665
Solid phase extraction/gas chromatography/electron capture detector method for the determination of organochlorine pesticides in wildlife and wildlife food sources.

Publication Year: 2002

9/6/21 (Item 21 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008146747 **CAB Accession Number:** 20013015718
Aural abscesses in wild-caught box turtles (Terapene carolina): possible role of organochlorine-induced hypovitaminosis A.

Publication Year: 2001

9/6/22 (Item 22 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0008026931 **CAB Accession Number:** 20013031796
Efficacy of diflubenzuron against snakegourd semilooper.

Publication Year: 2000

9/6/23 (Item 23 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007923134 **CAB Accession Number:** 20001110815
Effects of leaf extracts on metallic coloured tortoise beetle Aspidomorpha miliaris F.

Publication Year: 2000

9/6/24 (Item 24 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007705108 **CAB Accession Number:** 19990502014
Effect of mosquito coils on Aedes sp.

Publication Year: 1998

9/6/25 (Item 25 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007613289 **CAB Accession Number:** 19980613506
Epidemiology of forestry injuries and illnesses.

Book Title: Safety and health in agriculture, forestry, and fisheries.
Publication Year: 1997

9/6/26 (Item 26 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007490727 **CAB Accession Number:** 19980302024
Molluscicidal activity of Nerium indicum leaf.

Publication Year: 1997

9/6/27 (Item 27 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007395526 **CAB Accession Number:** 19970307328
Antimicrobial activity of Holarrhena floribunda stem bark ethanol extract.

Publication Year: 1997

9/6/28 (Item 28 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007358521 **CAB Accession Number:** 19972301234
Efficacy of KIH-2023 in dry- and water-seeded rice (Oryza sativa).

Publication Year: 1996

9/6/29 (Item 29 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007346551 **CAB Accession Number:** 19970603328
Poisons and anti-poisons from the Amazon forest.

Chemistry of the Amazon: biodiversity, natural products, and environmental issues. Developed from the first international symposium on chemistry and the Amazon, held in Manaus, Amazonas, Brazil, 21-25 November 1993.
Publication Year: 1995

9/6/30 (Item 30 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007292548 **CAB Accession Number:** 19961109382
Insecticide tests to control the tortoise beetle, Cassida vittata (Vill) in sugar beet crops.

Publication Year: 1994

9/6/31 (Item 31 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007087283 **CAB Accession Number:** 19950314677
Scavenging effects of Mallotus repandus on active oxygen species.

Publication Year: 1995

9/6/32 (Item 32 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007062247 **CAB Accession Number:** 19952308985
Working together to care for our environment. Proceedings of the seventh biennial noxious plants conference, Forster, New South Wales, Australia, 19-22 April 1993: Volumes 1 and 2.

Publication Year: 1993

9/6/33 (Item 33 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0007047074 **CAB Accession Number:** 19951107976
Control of San Jose scale, terrapin scale, and European red mite on dormant fruit trees with

soybean oil.

Publication Year: 1995

9/6/34 (Item 34 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006601520 **CAB Accession Number:** 19922273689
Veterinary medicinal plants of the region of Cretes Zaire-Nil in Burundi.
Original Title: Plantes medicinales veterinaires de la region des Cretes Zaire-Nil au Burundi.
Publication Year: 1991

9/6/35 (Item 35 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006568001 **CAB Accession Number:** 19921163952
Susceptibility of eucalyptus tortoise beetle (Paropsis charybdis) to Bacillus thuringiensis var. san diego.

Proceedings of the Forty Second New Zealand Weed and Pest Control Conference, Taranki Country Lodge, New Plymouth, August 8-10, 1989.
Publication Year: 1989

9/6/36 (Item 36 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006474138 **CAB Accession Number:** 19912313619
Economics of broom snakeweed control on the Southern Plains.

Publication Year: 1991

9/6/37 (Item 37 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006307386 **CAB Accession Number:** 19900501921
Bionomics and insecticide bioassay of German cockroach Blattella germanica (Dictyoptera: Blattellidae).

Publication Year: 1987

9/6/38 (Item 38 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006191512 **CAB Accession Number:** 19900861340
Ivermectin and abamectin.

Publication Year: 1989

9/6/39 (Item 39 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0006162978 **CAB Accession Number:** 19892296509
Veterinary pharmaceuticals and biologicals 1989/1990.

Publication Year: 1988

9/6/40 (Item 40 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005679522 **CAB Accession Number:** 19860780681
Response of broom snakeweed to application of tebuthiuron.

Research Paper, Intermountain Forest and Range Experiment Station, USDA Forest Service.
Publication Year: 1985

9/6/41 (Item 41 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005501763 **CAB Accession Number:** 19842248538
Drug resistant and R factor bearing salmonellae and Escherichia coli from frogs, lizards and fish.

Publication Year: 1983

9/6/42 (Item 42 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0005293336 **CAB Accession Number:** 19830505186
Feeding by larvae of the beet tortoise beetle (Cassida nebulosa L.) and possibilities of its chemical control.
Original Title: Proucavanje ishrane larava kaside secerne repe (Cassida nebulosa L.) i mogucnosti njihovog hemijskog suzbijanja.
Publication Year: 1983

9/6/43 (Item 43 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004958750 **CAB Accession Number:** 19802330450
Presence of 2,3,7,8-tetrachlorodibenzo-p-dioxin in wildlife living near Seveso, Italy; a preliminary study.

Publication Year: 1980

9/6/44 (Item 44 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004817460 **CAB Accession Number:** 19782322217
Chemical control of alligatorweed (Alternanthera philoxeroides (Mart.) Griseb.) in rice.

Abstracts 1978 Meeting Weed Science Society of America.
Publication Year: 1978

9/6/45 (Item 45 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004742011 **CAB Accession Number:** 19790564937
Dosage-mortality response of the alligatorweed flea beetle (Agasicles hygrophila) and the nutsedge moth (Bactra verutana) to toxaphene and methyl parathion.

Publication Year: 1979

9/6/46 (Item 46 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004642233 **CAB Accession Number:** 19781342668
Acidifying defect induced by amphotericin B: comparison of bicarbonate and hydrogen ion permeabilities.

Publication Year: 1977

9/6/47 (Item 47 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004570692 **CAB Accession Number:** 19762314272
Aquatic Plant Control Program 10. Integrated program for alligator weed management.

Technical Report, Aquatic Plant Control Program

Publication Year: 1975

9/6/48 (Item 48 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004463814 **CAB Accession Number:** 19770349727
Useful properties of poisonous plants of tropical West Africa I. Plants with antitoxic properties.

Publication Year: 1976

9/6/49 (Item 49 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004332003 **CAB Accession Number:** 19742306690
Control of aquatic plant growth.

Annual Research Report of the Institute of Food and Agricultural Sciences, University of Florida, 1972.
Publication Year: 1974?

9/6/50 (Item 50 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004247250 **CAB Accession Number:** 19740518697
Control of the pests of snake -cocumber (Cucumis melo L. var. flexuosus L.) and cucumber (C. sativus L.) in Arab Republic of Egypt.

Publication Year: 1972

9/6/51 (Item 51 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004233703 **CAB Accession Number:** 19750327458
Phytocidal effect of certain pesticides on snake-gourd, Trichosanthes anguina Linn.

Publication Year: 1973

9/6/52 (Item 52 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004222092 **CAB Accession Number:** 19752310921

Aquatic plant control program. 7. Aquatic use patterns for 2,4-D dimethylamine and integrated control.

Final Report
Publication Year: 1974

9/6/53 (Item 53 from file: 50)
DIALOG(R)File 50: CAB Abstracts

0004134538 **CAB Accession Number:** 19740513193
Ecology of black pineleaf scale (Homoptera: Diaspididae).

Publication Year: 1973

9/6/54 (Item 1 from file: 10)
DIALOG(R)File 10: AGRICOLA

5036574 44114781 **Holding Library:** AGL
Inhibition of Na+-K+-ATPase in different tissues of freshwater fish Channa punctatus (Bloch) exposed to monocrotophos

2008
URL: http://dx.doi.org/10.1016/j.pestbp.2008.06.003

9/6/55 (Item 2 from file: 10)
DIALOG(R)File 10: AGRICOLA

5005945 44076008 **Holding Library:** AGL
Snapping turtles (Chelydra serpentina) as bioindicators in Canadian Areas of Concern in the Great Lakes Basin. II. Changes in hatching success and hatchling deformities in relation to persistent organic pollutants

2008
URL: http://dx.doi.org/10.1016/j.envpol.2007.09.017

9/6/56 (Item 3 from file: 10)
DIALOG(R)File 10: AGRICOLA

4990083 44060971 **Holding Library:** AGL
Plasma vitellogenin in Morelet's crocodiles from contaminated habitats in northern Belize

2008
URL: http://dx.doi.org/10.1016/j.envpol.2007.07.018

9/6/57 (Item 4 from file: 10)
DIALOG(R)File 10: AGRICOLA

4877207 44037758 **Holding Library:** AGL
Effects of repeated exposure to malathion on growth, food consumption, and locomotor performance of the western fence lizard (Sceloporus occidentalis)

2008
URL: http://dx.doi.org/10.1016/j.envpol.2007.05.017

9/6/58 (Item 5 from file: 10)
DIALOG(R)File 10: AGRICOLA

4784642 43976586 **Holding Library:** AGL
Concentrations of pentachlorophenol (PCP) in fish and shrimp in Jiangsu Province, China

2007
URL: http://dx.doi.org/10.1016/j.chemosphere.2007.04.025

9/6/59 (Item 6 from file: 10)
DIALOG(R)File 10: AGRICOLA

4747576 43975609 **Holding Library:** AGL
Toxicity of nitrogenous fertilizers to eggs of snapping turtles (Chelydra serpentina) in field and laboratory exposures

2007

9/6/60 (Item 7 from file: 10)
DIALOG(R)File 10: AGRICOLA

4429288 30957732 **Holding Library:** DLC; GMU; C#P; BAKER; AGL
The greening of Georgia the improvement of the environment in the twentieth century / by R. Harold Brown

2002

9/6/61 (Item 8 from file: 10)
DIALOG(R)File 10: AGRICOLA

3812385 22034209 **Holding Library:** AGL

Effect of dichlorodiphenyltrichloroethane on sex determination of the common snapping turtle (Chelydra serpentina serpentina)

1999

9/6/62 (Item 9 from file: 10)
DIALOG(R)File 10: AGRICOLA

3674057 21234309 **Holding Library:** AGL
The value of mechanistic studies in laboratory animals for te prediction of reproductive effects in wildlife: endocrine effects on mammalian sexual differentiation

1998

9/6/63 (Item 10 from file: 10)
DIALOG(R)File 10: AGRICOLA

3666367 20907097 **Holding Library:** AGL
Serum B esterases as a nondestructive biomarker in the lizard Gallotia galloti experimentally treated with parathion

1997

9/6/64 (Item 11 from file: 10)
DIALOG(R)File 10: AGRICOLA

3442070 20457237 **Holding Library:** AGL
The lizard Gallotia galloti as a bioindicator of organophosphorus contamination in the Canary Islands

1995

9/6/65 (Item 12 from file: 10)
DIALOG(R)File 10: AGRICOLA

2887828 89020600 **Holding Library:** AGL
The effect of sodium monofluoroacetate on plasma testosterone concentration in Tiliqua rugosa (Gray)

1988

9/6/66 (Item 13 from file: 10)
DIALOG(R)File 10: AGRICOLA

2791170 88009797 **Holding Library:** AGL
Concentrations of contaminants in muscle of the American alligator in Florida

1988 Jan

9/6/67 (Item 14 from file: 10)
DIALOG(R)File 10: AGRICOLA

2461034 85038786 **Holding Library:** AGL
Induction of branchial enzymes in snake head (Channa striatus) by oxydemeton-methyl

1985 Feb

9/6/68 (Item 15 from file: 10)
DIALOG(R)File 10: AGRICOLA

2103723 83013738 **Holding Library:** AGL
Chronic toxic effects of the carbamate pesticide sevin on carbohydrate metabolism in a freshwater snakehead fish, Channa punctatus

1982

9/6/69 (Item 16 from file: 10)
DIALOG(R)File 10: AGRICOLA

1903281 81000158
PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT FOR THE COOPERATIVE IMPORTED FIRE ANT PROGRAM

1981

9/6/70 (Item 17 from file: 10)
DIALOG(R)File 10: AGRICOLA

1564211 79052955 **Holding Library:** AGL
Dosage-mortality response of the alligatorweed flea beetle (Agasicles hygrophila) and the nutsedge moth (Bactra verutana) to toxaphene and methyl parathion (Biological control agent of weed pest Alternanthera philoxeroides).

1979

9/6/71 (Item 1 from file: 203)
DIALOG(R)File 203: AGRIS

02590135
n vivo cholinesterase inhibition in the adult stage of the tortoise beetle, Cassida vittata, Vill with some insecticides

1995

9/6/72 (Item 2 from file: 203)
DIALOG(R)File 203: AGRIS

02547248
Development of botanical molluscicides against Oncomelania hupensis quadrasi von Mollendorf

2002
Abstracts and Souvenir Program of the Seventh International Congress on Medical and Applied Malacology

9/6/73 (Item 3 from file: 203)
DIALOG(R)File 203: AGRIS

02402786
Bio-accumulation of pesticide residues in water through food chains
(Kan sasom lae thaithot san phit phan huangso-a-han nai laeng nam)
1995
1. Technical conference of Agricultural **Toxic** Substances Division (Kan prachum wichakan kong watthu mi phit kan kaset khrang thi 1)

9/6/74 (Item 4 from file: 203)
DIALOG(R)File 203: AGRIS

02402312
Pesticide residue of trichlorfon in dried-fish
(Wichai chanit lae pariman san mi phit tokkhang trichlorfon bon pla haeng)
1995
1. Technical conference of Agricultural **Toxic** Substances Division (Kan prachum wichakan kong watthu mi phit kan kaset khrang thi 1)

9/6/75 (Item 5 from file: 203)
DIALOG(R)File 203: AGRIS

02103914
A case of azinphos-methyl intoxication in reptiles and its determination in tissue extracts
(Primer zastrupitve plazilcev z azinfos-metilom in njegovo dolocanje v tkivnih izvleckih)
1995

9/6/76 (Item 6 from file: 203)
DIALOG(R)File 203: AGRIS

01950923
Effect of presentation on the attractiveness and palatability to wild dogs and other wildlife of two unpoisoned wild-dog bait types

1989

9/6/77 (Item 7 from file: 203)
DIALOG(R)File 203: AGRIS

01737084
Major intoxications during summer, based on data from the National Veterinary Poisoning Information Centre (Lyon) [France]
(Dominantes **toxicologiques** de l'ete a partir des donnees du CNITV Lyon [France])
1993

9/6/78 (Item 8 from file: 203)
DIALOG(R)File 203: AGRIS

00855598
1981
Disturbances in the reproductive systems of **reptiles** and amphibians [pollution, **toxicity** tests, choice of methods, choice of species, **alligators**, toads, **snakes**, **turtles**, **herbicides**, **insecticides**, frogs, defoliants, metal mutagenic effects, laboratory trials]

9/6/79 (Item 9 from file: 203)
DIALOG(R)File 203: AGRIS

00837337
Study of the acute toxicity of two phenylcarbamates: propham and chloropropham [IPC and CIPC, herbicides; toxicity in mammals and aquatic animals (Amphibia, Crustacea)]
(Etude de la **toxicite** aigue de deux phenylcarbamates: le propham et le chloropropham [IPC et CIPC, **herbicides**; **toxicite** chez les mammiferes et animaux aquatiques (amphibiens, crustaces)])
1981

9/6/80 (Item 10 from file: 203)
DIALOG(R)File 203: AGRIS

00484879
Herbicide toxicities in some Australian anurans and the effect of subacute dosages on temperature tolerance

1976

9/6/81 (Item 1 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002268315 IP Accession No: 8936040
Effects of repeated exposure of diazinon on cholinesterase activity and growth in snakehead fish (Channa striata)

Publication Date: 2009

9/6/82 (Item 2 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002262649 IP Accession No: 8898841
Genotoxicity of the herbicide formulation Roundup super(()R) (glyphosate) in broad-snouted caiman (Caiman latirostris) evidenced by the Comet assay and the Micronucleus test

Publication Date: 2009

9/6/83 (Item 3 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002232935 IP Accession No: 8423143
Toxicity of the Herbicide Kuron super((R)) (Silvex) to Bluegill Eggs and Fry

Publication Date: 1973

9/6/84 (Item 4 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002220497 IP Accession No: 8563734
Long-term genotoxic effect of monocrotophos in different tissues of freshwater fish Channa punctatus (Bloch) using alkaline single cell gel electrophoresis

Publication Date: 2008

9/6/85 (Item 5 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002219376 IP Accession No: 8515029
Brain cholinesterase response in the snakehead fish (Channa striata) after field exposure to diazinon

Publication Date: 2008

9/6/86 (Item 6 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002211831 IP Accession No: 8852328
Effect of sublethal exposure of Cartap on hypothalamo-neurosecretory system of the freshwater spotted murrel, Channa punctatus (Bloch)

Publication Date: 2008

9/6/87 (Item 7 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002209739 IP Accession No: 8830759
Lake Apopka Farmworkers Community Health Study

Book Title: U.S. Environmental Protection Agency 2007 Community Involvement Training Conference

Publication Date: 2007

9/6/88 (Item 8 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002208216 IP Accession No: 8802903
Accumulation of Organochlorine Pesticides and Polychlorinated Biphenyls in Sediments, Aquatic Organisms, Birds, Bird Eggs and Bat Collected from South India

Publication Date: 2001

9/6/89 (Item 9 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002149176 IP Accession No: 8542713
Inhibition of Na super(+)-K super(+)-ATPase in different tissues of freshwater fish Channa punctatus (Bloch) exposed to monocrotophos

Publication Date: 2008

9/6/90 (Item 10 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002115940 IP Accession No: 8257052
Developmental exposure to endocrine disruptor chemicals alters follicular dynamics and steroid levels in Caiman latirostris

Publication Date: 2008

9/6/91 (Item 11 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002103819 IP Accession No: 8291277
Genotoxicity assessment of acute exposure of chlorpyrifos to freshwater fish Channa punctatus (Bloch) using micronucleus assay and alkaline single-cell gel electrophoresis

Publication Date: 2008

9/6/92 (Item 12 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002097591 IP Accession No: 8240611
Biochemical alteration induced by monocrotophos in the blood plasma of fish, Channa punctatus (Bloch)

Publication Date: 2007

9/6/93 (Item 13 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002090326 IP Accession No: 7987965
Snapping Turtles (Chelydra serpentina) as Bioindicators in Canadian Areas of Concern in the Great Lakes Basin. 1. Polybrominated Diphenyl Ethers, Polychlorinated Biphenyls, and Organochlorine Pesticides in Eggs

Publication Date: 2007

9/6/94 (Item 14 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0002020152 IP Accession No: 7318095
Acute toxicity of acaricide in lizards (Agama agama) Inhabiting dog kennel in Ibadan, Nigeria: An environmental hazard in urban vector control

Publication Date: 2006

9/6/95 (Item 15 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001987594 IP Accession No: 7355745
Acute toxicity levels and ethological responses of Channa striatus to fertilizer industrial wastewater

Publication Date: 2007

9/6/96 (Item 16 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001984675 IP Accession No: 7384421
Dose Verification After Topical Treatment of Alligator (Alligator Mississippiensis) Eggs

Publication Date: 2007

9/6/97 (Item 17 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001947036 IP Accession No: 7170935
Synthetic pyrethroid, devicyprin induced hepatotoxic lesions in snake headed fish, Channa punctatus (Bloch.)

Publication Date: 2006

9/6/98 (Item 18 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001941492 IP Accession No: 7045077
Polychlorinated Biphenyls and Organochlorine Pesticides in Plasma and the Embryonic Development in Lake Erie Water Snakes (Nerodia sipedon insularum) from Pelee Island, Ontario, Canada (1999)

Publication Date: 2006

9/6/99 (Item 19 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001933630 IP Accession No: 6219353
Acute toxicity bioassays of mercuric chloride and malathion on air-breathing fish Channa punctatus (Bloch)

Publication Date: 2005

9/6/100 (Item 20 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001933607 IP Accession No: 6216557
Endocrine Disruptors as Water Contaminants: Toxicological Implications for Humans and Wildlife

Publication Date: 2003

9/6/101 (Item 21 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001927051 IP Accession No: 5656694
In vitro modulation of prolactin mRNA by toxaphene and 3,3,4,4-tetrachlorobiphenyl

Publication Date: 2003

9/6/102 (Item 22 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001926698 IP Accession No: 5567622
Affinity of the alligator estrogen receptor for serum pesticide contaminants

Publication Date: 2002

9/6/103 (Item 23 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001926358 IP Accession No: 5317960
Utilization of snapping turtle eggs as biomonitors of environmental contamination

Book Title: IAGLR '99. International Association for Great Lakes Research: Great Lakes, Great Science, Great Cities. Program and Abstracts.

Publication Date: 1999

9/6/104 (Item 24 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001926275 IP Accession No: 5317750
How dirty is that stormwater detention pond in your neighbourhood and who lives in it? Environment Canada investigates the potential risk of contaminants in constructed wetlands to wildlife

Book Title: IAGLR '99. International Association for Great Lakes Research: Great Lakes, Great Science, Great Cities. Program and Abstracts.

Publication Date: 1999

9/6/105 (Item 25 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001885224 IP Accession No: 6974820
Biomarkers of monocrotophos in a freshwater fish Channa punctatus (Bloch)

Publication Date: 2006

9/6/106 (Item 26 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001849843 IP Accession No: 6788182
Acute oral and dermal toxicity of aquatic herbicides and a surfactant to garter snakes

Publication Date: 2005

9/6/107 (Item 27 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001838024 IP Accession No: 5650704
Altered histology of the thymus and spleen in contaminant-exposed juvenile American alligators

Publication Date: 2003

9/6/108 (Item 28 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001837799 IP Accession No: 6781300
Fish as bioindicators for waiting period of pesticides

Publication Date: 2004

9/6/109 (Item 29 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001835926 IP Accession No: 6706611
Effects of environmentally relevant concentrations of atrazine on gonadal development of snapping turtles (Chelydra serpentina)

Publication Date: 2006

9/6/110 (Item 30 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001821757 IP Accession No: 6653019
Clinical trials in Sri Lanka: The challenge and opportunity

Publication Date: 2005

9/6/111 (Item 31 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001816777 IP Accession No: 6101096
Biochemical changes induced by deltamethrin in tissues of Channa punctatus

Publication Date: 2004

9/6/112 (Item 32 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001794571 IP Accession No: 6468126
Effect of sub-lethal concentrations of permethrin on ovary activation in the predator Supputius cincticeps (Heteroptera: Pentatomidae)

Publication Date: 2005

9/6/113 (Item 33 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001782765 IP Accession No: 5896595
Biochemical changes induced by fenvalerate in the freshwater fish Channa punctatus

Publication Date: 2003

9/6/114 (Item 34 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001727731 IP Accession No: 5994093
Organochlorine Pesticides, PCBs, Dibenzodioxin, and Furan Concentrations in Common Snapping Turtle Eggs (Chelydra serpentina serpentina) in Akwesasne, Mohawk Territory, Ontario, Canada

Publication Date: 2001

9/6/115 (Item 35 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001727173 IP Accession No: 5827317
Studies on lethal concentrations and toxicity stress of some xenobiotics on aquatic organisms

Publication Date: 2004

9/6/116 (Item 36 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001707426 IP Accession No: 5935734
Quantifying population recovery rates for ecological risk assessment

Publication Date: 2004

9/6/117 (Item 37 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001703700 IP Accession No: 5566494
Effect of Diazinon 60 EC on Anabas testudineus, Channa punctatus and Barbodes gonionotus

Publication Date: 2002

9/6/118 (Item 38 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001703676 IP Accession No: 5553444
Evaluation of genotoxicity of PCP and 2,4-D by micronucleus test in freshwater fish Channa punctatus

Publication Date: 2003

9/6/119 (Item 39 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001701335 IP Accession No: 5916701
Toxic Effects of Cypermethrin on Certain Hematological Aspects of Fresh Water Fish Channa punctatus

Publication Date: 2002

9/6/120 (Item 40 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001697271 IP Accession No: 5927268
Effect of dimecron 100 SCW on Anabas testudineus, Channa punctatus and Barbodes gonionotus

Publication Date: 2002

9/6/121 (Item 41 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001692426 IP Accession No: 5700842
Effect of Malathion on Certain Hematological Parameters of the Fish Channa punctatus (Bloch.)

Publication Date: 2003

9/6/122 (Item 42 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001691640 IP Accession No: 5910738
IEH assessment on the ecological significance of endocrine disruption: effects on reproductive function and consequences for natural populations

Publication Date: 1999

9/6/123 (Item 43 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001651323 IP Accession No: 5633195
Toxic pollutants: deconstructing hormones.

Original Title: Polluants toxiques: les hormones dans tous leurs etats

Publication Date: 1998

9/6/124 (Item 44 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001644266 IP Accession No: 5590887
Lead, PCBs and other environmental pollutants on chameleon eggs in Southern Spain

Book Title: Pathways and Effects of Chemicals - Part 2

Publication Date: 2002

9/6/125 (Item 45 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001637875 IP Accession No: 5560257
A Critical Assessment of the Potential Wildlife Toxicity of Atrazine in Ontario with Consideration for Endocrine Disruption

Publication Date: [nd]

9/6/126 (Item 46 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001635277 IP Accession No: 5545485
Effect of rogor toxicity on some biochemical parameters in the fish Channa punctatus

Publication Date: 2002

9/6/127 (Item 47 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001632023 IP Accession No: 5528415
Effect of toxicants on the intestine transport in fishes

Publication Date: 2001

9/6/128 (Item 48 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001612059 IP Accession No: 5649397
Relative Contributions of Organochlorine Contaminants, Parasitism, and Predation to Reproductive Success of Eastern Spiny Softshell Turtles (Apalone spiniferus spiniferus) from Southern Ontario, Canada

Publication Date: 2003

9/6/129 (Item 49 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001603630 IP Accession No: 5538763
Polychloronaphthalenes and Other Dioxin-like Compounds in Arctic and Antarctic Marine Food Webs

Publication Date: 2002

9/6/130 (Item 50 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001594033 IP Accession No: 5432384
Concentrations of pesticide residues in tissues of fish from Kolleru Lake in India

Publication Date: 2001

9/6/131 (Item 51 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001590560 IP Accession No: 5375129
Effect of Endosulfan on Antioxidants of Freshwater Fish Channa punctatus Bloch: 1. Protection Against Lipid Peroxidation in Liver by Copper Preexposure

Publication Date: 2001

9/6/132 (Item 52 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001588045 IP Accession No: 5326152
Wildlife As Sentinels of Human Health Effects in the Great Lakes - St. Lawrence Basin

Publication Date: 2001

9/6/133 (Item 53 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001584028 IP Accession No: 5490323
Ecotoxicology and Histopathology Conducted in Response to Sea Turtle and Fish Mortalities along the Texas Coast: May June 1994

Book Title: Characteristics and Causes of Texas Marine Strandings

Publication Date: 1998

9/6/134 (Item 54 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001578204 IP Accession No: 5458912
The National Poisons Information Centre in Sri Lanka: The First Ten Years

Publication Date: 2002

9/6/135 (Item 55 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001568876 IP Accession No: 5326881
Toxicity and behaviour of rogor (dimethoate) exposed Channa punctatus (Bloch)

Publication Date: 2001

9/6/136 (Item 56 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001555857 IP Accession No: 5368933
Effect of an organophosphorous insecticide, malathion, on pavement cells of the gill epithelia of Channa punctatus (Bloch)

Publication Date: 2000

9/6/137 (Item 57 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001537802 IP Accession No: 5209284
Studies on toxicity of the pesticide Kadett-36 to Channa striatus

Publication Date: 2001

9/6/138 (Item 58 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001533233 IP Accession No: 5143355
Toxicity of metacid 50 to a paddy-field fish Channa punctatus (Bloch)

Publication Date: 2000

9/6/139 (Item 59 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001528271 IP Accession No: 5212858
Carbofuran induced impairment in the hypothalamo-neurohypophyseal-gonadal complex in the teleost, Channa punctatus (Bloch)

Publication Date: 2001

9/6/140 (Item 60 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001527695 IP Accession No: 5143340
Gonadal histopathology of the freshwater fish Channa punctatus under phosalone exposure

Publication Date: 2000

9/6/141 (Item 61 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001502424 IP Accession No: 5163080
Effect of carbaryl on snakehead fish (Channa striatus Fowler): Acute toxicity and susceptibility to Aeromonas hydrophila infection.

Book Title: Abstracts of Master of Science Theses (Fisheries Science) 1985-1990.

Publication Date: 2000

9/6/142 (Item 62 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001502423 IP Accession No: 5163075
Toxicity of dipterex to striped snakehead (Channa striatus Fowler), silver barb (Puntius gonionotus Bleeker) and common carp (Cyprinus carpio Linn.).

Book Title: Abstracts of Master of Science Theses (Fisheries Science) 1985-1990.

Publication Date: 2000

9/6/143 (Item 63 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001496480 IP Accession No: 4845976
Bioconcentration of Endosulfan and Monocrotophos by Labeo rohita and Channa punctata

Publication Date: 2000

9/6/144 (Item 64 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001493559 IP Accession No: 5266293
Snakes as indicators of environmental contamination: relation of detoxifying enzymes and pesticide residues to species occurrence in three aquatic ecosystems.

Publication Date: 1976

9/6/145 (Item 65 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001492018 IP Accession No: 5255223
Insecticide residues in two turtle species following treatment with DDT.

Publication Date: 1976

9/6/146 (Item 66 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001440927 IP Accession No: 4741725
Organophosphorus pesticides induced changes in the ovarian activity of a freshwater murrel, Channa orientalis (Schneider) : A histological study

Publication Date: 1999

9/6/147 (Item 67 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001413314 IP Accession No: 4766569
Toxicity and effect of cypermethrin on bio chemical constituents of freshwater teleost, Channa punctata

Publication Date: 1999

9/6/148 (Item 68 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001409020 IP Accession No: 4733842
Plasma Dihydrotestosterone Concentrations and Phallus Size in Juvenile American Alligators (A. mississippiensis) from Contaminated and Reference Populations

Publication Date: 2000

9/6/149 (Item 69 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001407573 IP Accession No: 4719566
Movements of Juvenile American White Pelicans from Breeding Colonies in California and Nevada

Publication Date: 2000

9/6/150 (Item 70 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001402504 IP Accession No: 4619141
Toxic effect of synthetic pyrethroid permethrin on the enzyme system of the freshwater fish Channa striatus

Publication Date: 1999

9/6/151 (Item 71 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001402207 IP Accession No: 4563686
Impact of organochlorine contamination on levels of sex hormones and external morphology of common snapping turtles (Chelydra serpentina serpentina) in Ontario, Canada

Publication Date: 1998

9/6/152 (Item 72 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001364907 IP Accession No: 4620600
Modulation of endocrine pathways by 4,4'-DDE in the deer mouse Peromyscus maniculatus

Publication Date: 1999

9/6/153 (Item 73 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001321912 IP Accession No: 4564396
Xenoendocrine disrupters: Laboratory studies on male reproductive effects

Publication Date: 1998

9/6/154 (Item 74 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001314004 IP Accession No: 4509601
Toxicity of Rogor to the Fish Channa punctatus (Bloch.)

Publication Date: 1998

9/6/155 (Item 75 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001300903 IP Accession No: 4452822
Sublethal effects of pesticides on feeding energetics in the air breathing fish Channa striatus

Publication Date: 1997

9/6/156 (Item 76 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001235877 IP Accession No: 4307758
The environmental contaminant DDE fails to influence the outcome of sexual differentiation in the marine turtle Chelonia mydas

Publication Date: 1998

9/6/157 (Item 77 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001227408 IP Accession No: 4258725
Reproductive toxins and alligator abnormalities at Lake Apopka, Florida

Publication Date: 1997

9/6/158 (Item 78 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001210514 IP Accession No: 4244351
Reproductive health in humans and wildlife: Are adverse trends associated with environmental chemical exposure?

Publication Date: 1997

9/6/159 (Item 79 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001199697 IP Accession No: 4215402
Histopathological changes induced by chronic nonlethal levels of elsan, mercury and ammonia in the liver of Channa punctatus (Bloch).

Publication Date: 1997

9/6/160 (Item 80 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001121575 IP Accession No: 960161F
PEST MANAGEMENT FOR G.F. ERAMBERT SEED ORCHARD AND BLACK CREEK SEED ORCHARD, FORREST COUNTY, MISSISSIPPI.

Publication Date: April 30, 1996

9/6/161 (Item 81 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001070927 IP Accession No: 3878407
Alteration in the neurotransmitter levels in the brain of the freshwater snakehead fish (Channa punctatus) exposed to carbofuran

Publication Date: 1995

9/6/162 (Item 82 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001069324 IP Accession No: 3873596
Conversion of super(14)C-glyphosate to carbon dioxide by alligator weed

Publication Date: 1995

9/6/163 (Item 83 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001018681 IP Accession No: 3779016
Vitellogenin induction by xenobiotic estrogens in the red-eared turtle and African clawed frog

Publication Date: 1995

9/6/164 (Item 84 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001002927 IP Accession No: 3735875
Physical, chemical, and biological data for detailed study of irrigation drainage in the Salton Sea

area, California, 1988-90

Publication Date: 1993

9/6/165 (Item 85 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0001001797 IP Accession No: 3732553
Alterations in the architecture of gill surface of Channa punctatus produced by endosulfan treated water : A SEM study

Publication Date: 1994

9/6/166 (Item 86 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000991848 IP Accession No: 3710076
Fenitrothion risk assessment. Technical report series no. 165

Publication Date: 1993

9/6/167 (Item 87 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000977362 IP Accession No: 3676335
Studies on pesticides for a rice plant accumulation of oxadiazon and its metabolites in processed foods

Publication Date: 1994

9/6/168 (Item 88 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000977355 IP Accession No: 3676326
Lake Apopka's alligators: The end of the ruling reptiles?

Publication Date: 1994

9/6/169 (Item 89 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000963764 IP Accession No: 940481D
PEST MANAGEMENT FOR G.F. ERAMBERT AND BLACK CREEK SEED ORCHARDS, FORREST COUNTY, MISSISSIPPI.

Publication Date: November 25, 1994

9/6/170 (Item 90 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000907240 IP Accession No: 3536088
Low clutch viability of American alligators on Lake Apopka

Publication Date: 1993

9/6/171 (Item 91 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000854415 IP Accession No: 2959207
The pattern of poisoning in urban Zimbabwe.

Publication Date: 1992

9/6/172 (Item 92 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000819154 IP Accession No: 2839771
Toxicity of Elsan to the Indian snakehead Channa punctatus .

Publication Date: 1985

9/6/173 (Item 93 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000814293 IP Accession No: 9202507
Neurobehavioral Changes in Freshwater Fish Channa punctatus Exposed to Fenitrothion

Publication Date: 1991

9/6/174 (Item 94 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000663368 IP Accession No: 9004689
Use of Mixed-Function Oxygenases to Monitor Contaminant Exposure in Wildlife

Publication Date: 1989

9/6/175 (Item 95 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000636500 IP Accession No: 2258955
Medical Toxicology: Diagnosis and Treatment of Human Poisoning.

Publication Date: 1988

9/6/176 (Item 96 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000605401 IP Accession No: 8900603
Long-term Study of Ecosystem Contamination with 2,3,7 ,8-Tetrachlorodibenzo-p-dioxin

Publication Date: 1987

9/6/177 (Item 97 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000563357 IP Accession No: 1923445
Studies on the toxicity of malathion to freshwater teleosts, Channa punctatus (Bloch) and Puntius sophore (Hamilton).

Publication Date: 1988

9/6/178 (Item 98 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000502139 IP Accession No: 1672642
Independent and combined action of carbaryl and phenthoate on snake head, Channa punctatus (Bloch).

Publication Date: 1987

9/6/179 (Item 99 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000496435 IP Accession No: 1647444
The snake that ate Guam.

Publication Date: 1987

9/6/180 (Item 100 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000428783 IP Accession No: 1404012
Organochlorine contaminants in snapping turtle eggs from Ontario.

Publication Date: 1986

9/6/181 (Item 101 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000377963 IP Accession No: 8505697
Effect of the Carbamate Pesticide Sevin on the Intestinal Absorption of Some Nutrients in the Teleost Fish, Channa punctatus

Publication Date: 1985

9/6/182 (Item 102 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000328890 IP Accession No: 8404033
Residues of Organochlorine Insecticides, Polychlorinated Biphenyls, and Heavy Metals in Biota from Apalachicola River, Florida, 1978

Publication Date: 1984

9/6/183 (Item 103 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000327256 IP Accession No: 813928
Heptachlor levels in bone marrow of poisoned cattle and horses.

Publication Date: 1983

9/6/184 (Item 104 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000285854 IP Accession No: 601693
Alteration in some biochemical and enzymological parameters in the snake head fish Channa punctatus , exposed chronically to quinalphos.

Publication Date: 1982

9/6/185 (Item 105 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000249721 IP Accession No: 440871
Metabolic changes in the snake head fish Channa punctatus chronically exposed to endosulfan.

Publication Date: 1983

9/6/186 (Item 106 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000229370 IP Accession No: 8200590
Toxicity of Five Forest Insecticides to Cutthroat Trout and Two Species of Aquatic Invertebrates

Publication Date: 1980

9/6/187 (Item 107 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000226561 IP Accession No: 8202329
Preliminary Evaluation of Hydrogen Peroxide as a Potential Herbicide for Aquatic Weeds

Publication Date: 1981

9/6/188 (Item 108 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000208132 IP Accession No: 270785
Methoxychlor Residues in Treated Irrigation Canal Water in Southcentral Idaho.

Publication Date: 1982

9/6/189 (Item 109 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000149390 IP Accession No: 7902639
Fate of 2,3,7,8-Tetrachlorodibenzo-P-Dioxin (TCDD) in the Environment: Summary and Decontamination Recommendations

Publication Date: 1976

9/6/190 (Item 110 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000137084 IP Accession No: 7803430
History of the Aquatic Plant Control Program

Publication Date: 1976

9/6/191 (Item 111 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000112371 IP Accession No: 7611149
NEW TECHNIQUES IN VEGETATION MAINTENANCE ON MILITARY RESERVATIONS

Publication Date: 1975

9/6/192 (Item 112 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000112368 IP Accession No: 7611146
IMPACT STATEMENT FOR THE AQUATIC PLANT-CONTROL PROGRAM-STATE OF TEXAS

Publication Date: 1975

9/6/193 (Item 113 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000112367 IP Accession No: 7611145
INTEGRATED CONTROL OF ALLIGATOR WEED AND WATER HYACINTH IN TEXAS

Publication Date: 1975

9/6/194 (Item 114 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000109497 IP Accession No: 7608115
ADENOSINE TRIPHOSPHATASE ACTIVITY IN BRAIN, INTESTINAL MUCOSA, KIDNEY, AND LIVER CELLULAR FRACTIONS OF THE RED-EARED TURTLE FOLLOWING IN VITRO TREATMENT WITH DDT, DDD, AND DDE

Publication Date: 1975

9/6/195 (Item 115 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000100117 IP Accession No: 7511089
THE USE OF SNAKES AS A POLLUTION INDICATOR SPECIES

Publication Date: 1975

9/6/196 (Item 116 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000091560 IP Accession No: 7502504
AQUATIC-USE PATTERN FOR SILVEX

Publication Date: 1973

9/6/197 (Item 117 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000078885 IP Accession No: 7403279
TOXICITY OF THE HERBICIDE KURON (SILVEX) TO BLUEGILL EGGS AND FRY

Publication Date: 1973

9/6/198 (Item 118 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000072446 IP Accession No: 7312203
AQUATIC PLANT CONTROL AND ERADICATION PROGRAM, STATE OF TEXAS (FINAL ENVIRONMENTAL STATEMENT)

Publication Date: 1972

9/6/199 (Item 119 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000049352 IP Accession No: 7204267
AQUATIC WEED CONTROL IN FISH PONDS WITH CHEMICAL METHODS

Publication Date: 1967

9/6/200 (Item 120 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000039418 IP Accession No: 7107340
LETHAL EFFECTS OF THE INSECTICIDE DDVP ON THE EGGS AND HATCHLINGS OF THE SNAKE-HEAD, CHANNA PUNCTATUS (BL.) (OPHIOCEPHLIFORMES: OPHIOCEPHALIDAE)

Publication Date: 1969

9/6/201 (Item 121 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000038859 IP Accession No: 7106703
FISHERY MANAGEMENT PROGRAM, EXPANDED PROJECT FOR AQUATIC PLANT CONTROL-FIELD TEST AREAS - FINAL REPORT

Publication Date: 1969

9/6/202 (Item 122 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000030071 IP Accession No: 7010175
MANAGEMENT OF AQUATIC VASCULAR PLANTS AND ALGAE

Publication Date: 1969

9/6/203 (Item 123 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000026703 IP Accession No: 7006805
EVALUATING HERBICIDES AGAINST AQUATIC WEEDS

Publication Date: 1963

9/6/204 (Item 124 from file: 76)
DIALOG(R)File 76: Environmental Sciences

0000026178 IP Accession No: 7006212
MECHANICAL REMOVAL OF ORGANIC PRODUCTION FROM WATERWAYS

Publication Date: 1969

9/6/205 (Item 1 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

29155706 **PMID:** 19062067
High levels of polychlorinated biphenyls in tissues of Atlantic turtles stranded in the Canary Islands, Spain.

Jan 2009

9/6/206 (Item 2 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

28687387 **PMID:** 18926499
Acute poisoning at two hospitals in Kampala-Uganda.

Nov 2008

9/6/207 (Item 3 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

28509041 **PMID:** 19025096
Atrazine interaction with estrogen expression systems.

2008

9/6/208 (Item 4 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

18071792 **PMID:** 17643458
Chronic renal failure in North Central Province of Sri Lanka: an environmentally induced disease.

Oct 2007

9/6/209 (Item 5 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17982950 **PMID:** 17537728
Bacillus thuringiensis Cry1Ab mutants affecting oligomer formation are non- toxic to Manduca sexta larvae.

Jul 20 2007

9/6/210 (Item 6 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17792611 **PMID:** 17374566
Energy acquisition and allocation in an ectothermic predator exposed to a common environmental stressor.

Apr 2007

9/6/211 (Item 7 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17427893 **PMID:** 16978572
Spatial distribution of Aglais urticae (L.) and its host plant Urtica dioica (L.) in an agricultural landscape: implications for Bt maize risk assessment and post-market monitoring.

Jan-Mar 2006

9/6/212 (Item 8 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17327265 **PMID:** 16581110
Loggerhead sea turtle (Caretta caretta) egg yolk concentrations of persistent organic pollutants and lipid increase during the last stage of embryonic development.

Aug 15 2006

9/6/213 (Item 9 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

17254098 **PMID:** 16767233
Very high concentrations of DDE and toxaphene residues in crocodiles from the Ord River, Western Australia: an investigation into possible endocrine disruption.

Jun 2006

9/6/214 (Item 10 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

16863862 **PMID:** 16112671
Developmental alterations as a result of in ovo exposure to the pesticide metabolite p,p'-DDE in Alligator mississippiensis.

Dec 2005

9/6/215 (Item 11 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15975219 **PMID:** 15183995
Variation in sex steroids and phallus size in juvenile American alligators (Alligator mississippiensis) collected from 3 sites within the Kissimmee-Everglades drainage in Florida (USA).

Jul 2004

9/6/216 (Item 12 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15886458 **PMID:** 15080216
Patterns of animal poisonings reported to the Texas Poison Center Network: 1998-2002.

Apr 2004

9/6/217 (Item 13 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

15591177 **PMID:** 14570419
Status and trends of Ontario's Sydenham River ecosystem in relation to aquatic species at risk.

Oct-Nov 2003

9/6/218 (Item 14 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14784731 **PMID:** 12013138
Sexually dimorphic morphology of hatchling snapping turtles (Chelydra serpentina) from contaminated and reference sites in the Great Lakes and St. Lawrence River basin, North America.

May 2002

9/6/219 (Item 15 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

14117571 **PMID:** 11107230
Parks and golf course workers.

Jan-Mar 2001

9/6/220 (Item 16 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13702699 **PMID:** 10753091 **Record Identifier:** PMC1638010
Embryonic treatment with xenobiotics disrupts steroid hormone profiles in hatchling red-eared slider turtles (Trachemys scripta elegans).

Apr 2000

9/6/221 (Item 17 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13648970 **PMID:** 10680769
Health effects of endocrine-disrupting chemicals on wildlife, with special reference to the European situation.

Jan 2000

9/6/222 (Item 18 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13642980 **PMID:** 10667935
Polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), biphenyls (PCBs), and organochlorine pesticides in yellow-blotched map turtle from the Pascagoula River basin, Mississippi, USA.

Apr 2000

9/6/223 (Item 19 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13621586 **PMID:** 10525069
Effects of Delphinium alkaloids on neuromuscular transmission.

Nov 1999

9/6/224 (Item 20 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

13379625 **PMID:** 10188200
The functional and structural observations of the neonatal reproductive system of alligators exposed in ovo to atrazine, 2,4-D, or estradiol.

Jan-Mar 1999

9/6/225 (Item 21 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12715937 **PMID:** 15093107
Environmental contamination and developmental abnormalities in eggs and hatchlings of the common snapping turtle (Chelydra serpentina serpentina) from the Great Lakes-St Lawrence River basin (1989-1991).

1998

9/6/226 (Item 22 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12703648 **PMID:** 10771987
Poisoning in children: Indian scenario.

May-Jun 1998

9/6/227 (Item 23 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12461990 **PMID:** 9226623
Organochlorine pesticides associated with ocular, nasal, or otic infection in the eastern box turtle (Terrapene carolina carolina).

Mar 1997

9/6/228 (Item 24 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12407572 **PMID:** 9168004 **Record Identifier:** PMC1469900
In vitro synergistic interaction of alligator and human estrogen receptors with combinations of environmental chemicals.

Apr 1997

9/6/229 (Item 25 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12307662 **PMID:** 9064814
[Environmental pollutants with hormonal effects. Is estrogen theory a good model?]

Miljogifter med hormonelle effekter. Er ostrogenteorien en god forklaringsmodell?
Jan 10 1997

9/6/230 (Item 26 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12254943 **PMID:** 12321043 **Record Identifier:** 128383; 00269570
The threatened plague.

1997

9/6/231 (Item 27 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

12229805 **PMID:** 9118873 **Record Identifier:** PMC1469547
Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator.

Dec 1996

9/6/232 (Item 28 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

11013956 **PMID:** 7822995
Childhood trauma, country report (Thailand).

Oct 1993

9/6/233 (Item 29 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

10965213 **PMID:** 8309990
Epidemiology of poisoning.

Sep 1993

9/6/234 (Item 30 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

09030916 **PMID:** 2854607
Effects of neurotoxicants on synaptic transmission: lessons learned from electrophysiological studies.

Sep-Oct 1988

9/6/235 (Item 31 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

08420593 **PMID:** 3576391
Poison queries received during 1985 by the Regional Drug and Poison Information Centre, Durban.

May 16 1987

9/6/236 (Item 32 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

08272949 **PMID:** 3792262
Response of corticosteroidogenic, catecholamine-secreting cells, corpuscles of Stannius, and Dahlgren cells of snake headed murrel Ophiocephalus punctatus (Bloch) to thiodan treatment--a karyometric investigation.

Oct 1986

9/6/237 (Item 33 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

07243241 **PMID:** 6612777
Health problems of agricultural workers in Malaysia.

Mar 1983

9/6/238 (Item 34 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

06221761 **PMID:** 120135
Pesticide and PCB residues in the upper Snake River ecosystem, Southeastern Idaho, following the collapse of the Teton dam 1976.

1979

9/6/239 (Item 35 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

05678238 **PMID:** 600678
Preliminary monitoring of agricultural pesticides in a cooperative tobacco pest management project in North Carolina, 1971--first-year study.

Sep 1977

9/6/240 (Item 36 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

04463703 **PMID:** 4650493
[Hemodialysis of drugs and poisons. 4]

Die Dialyse von Arzneimitteln und Giften. 4.
Nov 17 1972

9/6/241 (Item 37 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

03242504 **PMID:** 5999282
[Statistical considerations on the activity of the Clinica Tossicologica of the University of

Florence in the years 1959 to 1964]

Considerazioni statistiche sull'attivita della Clinica Tossicologica dell'Universita di Firenze negli anni 1959-1964.
Dec 1966

9/6/242 (Item 38 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

02815171 **PMID:** 14189973
[ON CERTAIN ACUTE POISONINGS.]

DE CERTAINES INTOXICATIONS AIGUUES.
Jul 1964

9/6/243 (Item 1 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00713813 **Enviroline Number:** 07-08325
PPAR(gr)a Mediates the Effects of the Pesticide Methyl Thiophanate on Liver of the Lizard Podarcis sicula

Apr 07

9/6/244 (Item 2 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00641554 **Enviroline Number:** 03-08960
West Nile Hysteria: The Snake Bite of 2002

Spring 031qr

9/6/245 (Item 3 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00619817 **Enviroline Number:** 02-07514
The War on Weeds

Jan-Feb 02

9/6/246 (Item 4 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00566348 **Enviroline Number:** 99-06863
Lizards as Bioindicators

Feb 99

9/6/247 (Item 5 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00549416 **Enviroline Number:** 98-08172
Decreasing Biodiversity in Israel-Recent Extinctions

Fall 97

9/6/248 (Item 6 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00546667 **Enviroline Number:** 98-05238
Endocrine Disrupters: Nature's Latest Warning Call

Winter 981qr

9/6/249 (Item 7 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00434142 **Enviroline Number:** 96-07225
Hormonal Sabotage

Mar 96

9/6/250 (Item 8 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00398066 **Enviroline Number:** 92-08599
Escalation of Threats to Marine Turtles

Apr 92

9/6/251 (Item 9 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00359226 **Enviroline Number:** 87-12094
Wildlife as Monitors of the Movement of Polychlorinated Biphenyls and Other Organochlorine Compounds from a Hazardous Waste Site

May 5-8, 85

9/6/252 (Item 10 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00311365 **Enviroline Number:** 79-05060
The Acute Toxicity of Heptachlor for Freshwater Fishes

Jul 79

9/6/253 (Item 11 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00284425 **Enviroline Number:** 76-00259
Aquatic Plant Control Program: Technical Report 7. Aquatic Use Patterns for 2,4-D Dimethylamine and Integrated Control

Nov 74

9/6/254 (Item 12 from file: 40)
DIALOG(R)File 40: Enviroline(R)

00282752 **Enviroline Number:** 75-06786
Accumulation of Mercury by Fish and Turtles of the Little Piney River

Jun 74

9/6/255 (Item 1 from file: 41)
DIALOG(R)File 41: Pollution Abstracts

0000310216 IP Accession No: 7448473
Responses of interrenal cells of freshwater teleost, Channa punctatus (Bloch), exposed to sublethal concentrations of carbaryl and cartap

Publication Date: 2006

9/6/256 (Item 1 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

19345111 **Biosis No.:** 200700004852
Sclerotinia sclerotiorum shows potential for controlling water lettuce, alligator weed and wandering Jew

2006

9/6/257 (Item 2 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

18411130 **Biosis No.:** 200510105630
Invading monotypic stands of Phalaris arundinacea: A test of fire, herbicide, and woody and herbaceous native plant groups

2005

9/6/258 (Item 3 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17897382 **Biosis No.:** 200400268139
Tolerance of black beans (Phaseolus vulgaris) to soil applications of S-metolachlor and imazethapyr

2004

9/6/259 (Item 4 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17819707 **Biosis No.:** 200400187393
Toxic effect of two common Euphorbiales latices on the freshwater snail Lymnaea acuminata.

2004

9/6/260 (Item 5 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17361386 **Biosis No.:** 200300320105
Handbook of Neurotoxicology. Volume 1

Book Title: Handbook of Neurotoxicology. Volume 1
2002

9/6/261 (Item 6 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17209622 **Biosis No.:** 200300168341
Chlorinated hydrocarbon concentrations in plasma of the northern water snake (Nerodia sipedon) from the Great Lakes basin.

2000

9/6/262 (Item 7 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

16944825 **Biosis No.:** 200200538336
Effects of a coastal golf complex on water quality, periphyton, and seagrass

2002

9/6/263 (Item 8 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13478061 **Biosis No.:** 199699112121
Pine tortoise scale, foliar control trial, 1995

Book Title: Arthropod Management Tests
1996

9/6/264 (Item 9 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13478060 **Biosis No.:** 199699112120
Pine tortoise scale, soil treatment trial, 1995

Book Title: Arthropod Management Tests
1996

9/6/265 (Item 10 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

13065809 **Biosis No.:** 199598533642
Vadose zone monitoring of carbofuran under surge and continuous furrow irrigated conditions

Book Title: Site-specific management for agricultural systems
1995

9/6/266 (Item 11 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11892705 **Biosis No.:** 199396057121
Cadmium and lead residues in field-collected red swamp crayfish (Procambarus clarkii) and uptake by alligator weed, Alternanthera philoxeroides

1993

9/6/267 (Item 12 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11381729 **Biosis No.:** 199294083570
EFFECTS OF FOUR PYRETHROIDS ON SCALE INSECT HOMOPTERA POPULATIONS AND THEIR NATURAL ENEMIES IN LOBLOLLY AND SHORTLEAF PINE SEED ORCHARDS

1992

9/6/268 (Item 13 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

11143111 **Biosis No.:** 199243111702
BROOM SNAKEWEED GUTIERREZIA-SAROTHRAE CONTROL IN WYOMING RANGELAND AND PASTURES

Book Title: JAMES, L. F., ET AL. (ED.). POISONOUS PLANTS; THIRD INTERNATIONAL SYMPOSIUM, LOGAN, UTAH, USA, 1988. XV+661P. IOWA STATE UNIVERSITY PRESS: AMES, IOWA, USA. ILLUS. MAPS
1992

9/6/269 (Item 14 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

08727496 **Biosis No.:** 198784081645
HERBICIDE LEVELS IN RIVERS DRAINING TWO PRAIRIE AGRICULTURAL WATERSHEDS 1984

1987

9/6/270 (Item 15 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

07237784 **Biosis No.:** 198477069695
LABORATORY STUDIES ON THE EFFECTS OF HERBICIDES ON MORTALITY AND LARVAL GROWTH OF 2 SEEDLING PESTS OF SUGAR BEET ATOMARIA-LINEARIS CRYPTOPHAGIDAE COLEOPTERA AND BLANIULUS-GUTTULATUS BLANIULIDAE DIPLOPODA

1983

9/6/271 (Item 16 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

05974892 **Biosis No.:** 198070006379
PESTICIDES IN RIVER WATER OF THE KRUGER NATIONAL PARK OF SOUTH AFRICA

1978

9/6/272 (Item 17 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

04197148 **Biosis No.:** 197356013590
CONTROL OF THE PESTS OF SNAKE CUCUMBER CUCUMIS-MELO-VAR-FLEXUOSUS AND CUCUMBER CUCUMIS-SATIVUS IN ARAB REPUBLIC OF EGYPT

1972

9/6/273 (Item 18 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001762418 **Biosis No.:** 19674800046422
Studies on the relative toxicity of some insecticides to adults of Dacus cucurbitae (Coquillett) when used in bait sprays

1966

9/6/274 (Item 19 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0001320943 **Biosis No.:** 19634200017832
Three years of toxicologic experience at the University of Florence with accounts of poisonings with mushrooms, barbiturates, tran-quilizers and strong acids

Original Language Title: Bericht uber die Tatigkeit der toxikologischen Klinik der Universitat Florenz wahrend der Jahre 1956-1958. (Eininge Betrachtungen uber Vergiftungen durch Pilze, Barbitursaure-Praparate, Tranquillizer, Sauren)
1960

9/6/275 (Item 20 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

0000915594 **Biosis No.:** 19583200003134
The protection of grain crops against the turtle-bug in the south-west of the USSR Referat. Zhur., Biol., 1956, No. 35986. (Translation).

Original Language Title: Zashchita posevov zernovykh kul'tur ot klopa-cherepashki na Iugo-Vostoke SSSR Referat. Zhur., Biol., 1956, No. 35986. (Translation).
1955

9/6/276 (Item 1 from file: 156)
DIALOG(R)File 156: ToxFile

1250721 **NLM Doc No:** NTIS/03001489 **Sec. Source ID:** NTIS/PB98121239
Summary of Information on Aquatic Biota and Their Habitats in the Willamette Basin, Oregon through 1995.

1997

9/6/277 (Item 2 from file: 156)
DIALOG(R)File 156: ToxFile

1195473 **NLM Doc No:** NTIS/02975066 **Sec. Source ID:** NTIS/PB93167559
Status and Assessment of Chesapeake Bay Wildlife Contamination.

1992

9/6/278 (Item 3 from file: 156)
DIALOG(R)File 156: ToxFile

1105893 **NLM Doc No:** CIS/86/00791 **Sec. Source ID:** CIS/86/00791
Manual of accident prevention in livestock raising

1984

9/6/279 (Item 4 from file: 156)
DIALOG(R)File 156: ToxFile

1071738 **NLM Doc No:** CRISP/2002/ES07375-08S10006 **Sec. Source ID:** CRISP/2002/ES07375-08S10006
Organochlorine pesticides & developmental mortality

2002

9/6/280 (Item 5 from file: 156)
DIALOG(R)File 156: ToxFile

1059794 **NLM Doc No:** CRISP/1999/ES04696-13S10007 **Sec. Source ID:** CRISP/1999/ES04696-13S10007
WILDLIFE BIOMARKER APPLICATIONS TO REMEDIATION DECISION MAKING

1999

9/6/281 (Item 6 from file: 156)
DIALOG(R)File 156: ToxFile

1040594 **NLM Doc No:** CRISP/95/ES04696-080007 **Sec. Source ID:** CRISP/95/ES04696-080007
WILDLIFE AS BIOMARKERS OF CHEMICAL EXPOSURE AND IMPACTS

1994

9/6/282 (Item 7 from file: 156)
DIALOG(R)File 156: ToxFile

991338 **NLM Doc No:** FEDRIP/00177514 **Sec. Source ID:** FEDRIP/200301/000043
Acquisition of Instruments for Environmental Science Laboratory

2001 **Project Start Date:** 20010901 **Project Final Date:** 20020831

9/6/283 (Item 8 from file: 156)
DIALOG(R)File 156: ToxFile

837417 **NLM Doc No:** PESTAB/81/3533 **Sec. Source ID:** PESTAB/81/3533
Selected bibliography of the phenoxy acid herbicides. IX. Toxicological and physiological effects of 2,4-D.

1980

9/6/284 (Item 9 from file: 156)
DIALOG(R)File 156: ToxFile

836430 **NLM Doc No:** PESTAB/81/0812 **Sec. Source ID:** PESTAB/81/0812
Aldrin/dieldrin.

1980

9/6/285 (Item 10 from file: 156)
DIALOG(R)File 156: ToxFile

831872 **NLM Doc No:** PESTAB/79/2662 **Sec. Source ID:** PESTAB/79/2662
Veterinary toxicology: the epidemiology of poisonings in domestic animals.

1979

9/6/286 (Item 11 from file: 156)
DIALOG(R)File 156: ToxFile

819773 **NLM Doc No:** PESTAB/76/0777 **Sec. Source ID:** PESTAB/76/0777
Aquatic-use patterns for 2,4-D dimethylamine and integrated control.

1974

9/6/287 (Item 12 from file: 156)
DIALOG(R)File 156: ToxFile

807974 **NLM Doc No:** NIOSH/00233590 **Sec. Source ID:** NIOSH/00233590
Male Reproductive Health and Environmental Xenoestrogens

1996

9/6/288 (Item 13 from file: 156)
DIALOG(R)File 156: ToxFile

804734 **NLM Doc No:** NIOSH/00232969 **Sec. Source ID:** NIOSH/00232969
Pesticide Poisoning in the Asia-Pacific Region and the Role of a Regional Information Network

1995

9/6/289 (Item 14 from file: 156)
DIALOG(R)File 156: ToxFile

792713 **NLM Doc No:** NIOSH/00217779 **Sec. Source ID:** NIOSH/00217779
Developmental Effects of Endocrine-Disrupting Chemicals in Wildlife and Humans

1993

9/6/290 (Item 15 from file: 156)
DIALOG(R)File 156: ToxFile

777391 **NLM Doc No:** NIOSH/00202214 **Sec. Source ID:** NIOSH/00202214
A Recent Assessment of Cocoa and Pesticides in Brazil: An Unhealthy Blend for Plantation Workers

1991

9/6/291 (Item 16 from file: 156)
DIALOG(R)File 156: ToxFile

734555 **NLM Doc No:** NIOSH/00148738 **Sec. Source ID:** NIOSH/00148738
Agricultural Work

1983

9/6/292 (Item 17 from file: 156)
DIALOG(R)File 156: ToxFile

560554 **NLM Doc No:** HEEP/75/00378* **Sec. Source ID:** HEEP/75/00378 *
Effect of sublethal doses of chlorinated hydrocarbon insecticides on the heart of the tortoise, Lissemys punctata.

1974

9/6/293 (Item 18 from file: 156)
DIALOG(R)File 156: ToxFile

523172 **NLM Doc No:** HAPAB/73/2643 **Sec. Source ID:** HAPAB /73/2643
An analysis of the population dynamics of selected avian species. With special reference to

changes during the modern pesticide era.

1972

9/6/294 (Item 19 from file: 156)
DIALOG(R)File 156: ToxFile

518539 **NLM Doc No:** HAPAB/71/00916 **Sec. Source ID:** HAPAB/71/00916
Dead stream.

1970

9/6/295 (Item 20 from file: 156)
DIALOG(R)File 156: ToxFile

515760 **NLM Doc No:** HAPAB/69/01208 **Sec. Source ID:** HAPAB/69/01208
Fruit pesticides are affecting wildlife: Fact or fiction.

1969

9/6/296 (Item 21 from file: 156)
DIALOG(R)File 156: ToxFile

514938 **NLM Doc No:** HAPAB/69/00715 **Sec. Source ID:** HAPAB/69/00715
On the distribution of pesticides

1968

9/6/297 (Item 22 from file: 156)
DIALOG(R)File 156: ToxFile

188193 **NLM Doc No:** DART/TER/3001687 **Sec. Source ID:** DART/TER/3001687
ENVIRONMENTAL ENDOCRINE DISRUPTERS AND HYPOSPADIAS.

2002

9/6/298 (Item 23 from file: 156)
DIALOG(R)File 156: ToxFile

182838 **NLM Doc No:** DART/TER/1000302 **Sec. Source ID:** DART/TER/1000302
Environmental contaminants and decreased egg viability in the American alligator.

2001

9/6/299 (Item 24 from file: 156)
DIALOG(R)File 156: ToxFile

181207 **NLM Doc No:** DART/TER/20000124 **Sec. Source ID:** DART/TER/20000124
Low dose pesticide exposure and altered reproductive system development in wildlife.

1999

9/6/300 (Item 25 from file: 156)
DIALOG(R)File 156: ToxFile

168304 **NLM Doc No:** DART/TER/91001395 **Sec. Source ID:** DART/TER/91001395
Contaminants in American alligator eggs from Lake Apopka, Lake Griffin, and Lake Okeechobee, Florida.

1991