

WELSH STATUTORY INSTRUMENTS

2021 No. 77 (W. 20)

AGRICULTURE, WALES
WATER, WALES

The Water Resources (Control of Agricultural
Pollution) (Wales) Regulations 2021

<i>Made</i>	- - - -	<i>21 January 2021</i>
<i>Laid before Senedd Cymru</i>		<i>27 January 2021</i>
<i>Coming into force</i>	- -	<i>1 April 2021</i>

The Welsh Ministers make the following Regulations in exercise of the powers conferred by sections 92 and 219(2)(d) to (f) of the Water Resources Act 1991⁽¹⁾.

PART 1

Introduction

Title, application and commencement

- 1.—(1) The title of these Regulations is the Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021.
- (2) These Regulations apply in relation to Wales.
- (3) These Regulations come into force on 1 April 2021.

Commencement Information

II [Reg. 1](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

⁽¹⁾ 1991 c. 57. Section 92 was amended by the Environment Act 1995 (c. 25) section 120 and paragraph 128 and 144 of Schedule 22 to that Act, and by S.I. 2010/675 and S.I. 2013/755 (W. 90). There are amendments to section 219 which are not relevant to these Regulations. By virtue of article 2 of, and Schedule 1 to, the National Assembly for Wales (Transfer of Functions) Order 1999 (S.I. 1999/672) functions of the Secretary of State under section 92 were transferred to the National Assembly for Wales in relation to those parts of Wales which are outside the catchment areas of the rivers Dee, Wye and Severn. In relation to those parts of Wales which are within those catchment areas, functions under section 92 are exercisable by the National Assembly for Wales concurrently with the Secretary of State. By virtue of section 162 of, and paragraph 30 of Schedule 11 to, the Government of Wales Act 2006 (c. 32) functions under sections 92 and 219 now vest in the Welsh Ministers.

Transitional measures for holdings not previously in a nitrate vulnerable zone

2. In a holding or part of a holding that was not previously situated within a nitrate vulnerable zone as shown on the relevant map marked “Nitrate Vulnerable Zones Index Map 2013”^[F1](the “NVZ index map”)—

- ^[F2](a) regulations 5 to 11, 15, 23, 27, 33 to 35, and 37 to 43 do not apply until 1 January 2023,
- (b) regulations 4 and 36 do not apply until ^[F3]1 January 2024^[F4]however, regulation 4 does not apply to qualifying grassland holdings until 1 January 2025], and
- (c) regulations 17 to 21, 25, 26, and 28 to 31 do not apply until 1 August 2024.]

Textual Amendments

- F1** Words in [reg. 2](#) inserted (31.12.2022) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) Regulations 2022 \(S.I. 2022/1305\)](#), regs. 1(2), **2(2)(a)**
- F2** [Reg. 2\(a\)-\(c\)](#) substituted for [reg. 2\(a\)\(b\)](#) (31.12.2022) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) Regulations 2022 \(S.I. 2022/1305\)](#), regs. 1(2), **2(2)(b)**
- F3** Words in [reg. 2\(b\)](#) substituted (31.10.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 2\) Regulations 2023 \(S.I. 2023/1070\)](#), regs. 1(2), **2(2)**
- F4** Words in [reg. 2\(b\)](#) inserted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, **3**

Commencement Information

- I2** [Reg. 2](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Interpretation

3.—(1) In these Regulations—

“agricultural area” (“*ardal amaethyddol*”) means any agricultural land used for agricultural purposes;

“agriculture” (“*amaethyddiaeth*”) has the meaning given in section 109(3) of the Agriculture Act 1947⁽³⁾;

“construct” (“*adeiladu*”) includes install;

“controlled waters” (“*dyfroedd a reolir*”) has the meaning given in section 104 of the Water Resources Act 1991;

“crop with high nitrogen demand” (“*cnwd â galw mawr am nitrogen*”) includes, but not limited to, grass, potatoes, sugar beet, maize, wheat, oilseed rape, barley, brassicas, rye and triticale;

^[F5]“enhanced nutrient management plan” (“*cynllun rheoli maethynnau uwch*”) means a plan prepared in accordance with paragraphs 6 and 7 of Schedule 1A;]

“fertilisation plan” (“*cynllun gwrteithio*”) means a plan prepared under regulation 6(1)(c);

“grass” (“*porfa*”) means—

- (a) permanent grassland or temporary grassland (temporary means for less than four years),
- (b) that exists between the sowing and ploughing of the grass, and

(2) Under regulation 7(3) of the Nitrate Pollution Prevention (Wales) Regulations 2013 ([S.I. 2013/2506](#)) ([W. 245](#)) such a map was required to be deposited at the offices of the Welsh Government at Cathays Park, Cardiff, CF10 3NQ. The map can be viewed at <http://lle.gov.wales/catalogue/item/NitrateVulnerableZonesNVZ/?lang=en> and at the offices of the Welsh Government at Cathays Park, Cardiff, CF10 3NQ.

(3) [1947 c. 48](#). There are amendments to subsection (3) but none is relevant.

- (c) includes crops under-sown with grass,
but does not include grassland with 50 % or more clover;
- “grazing livestock” (“*da byw sy’n pori*”) means any animal specified in Table 1 in Schedule 1;
- “holding” (“*daliad*”) means all land and its associated buildings that are at the disposal of the occupier and which are used for the growing of crops in soil or rearing of livestock for agricultural purposes;
- “land that has a low run-off risk” (“*tir y mae’r risg o oferu drosto yn isel*”) means land that—
- has an average slope of less than 3° (3 degrees),
 - does not have land drains (other than a sealed impermeable pipe), and
 - is at least 50 metres from a watercourse or conduit leading to a watercourse;
- “livestock” (“*da byw*”) means any animal (including poultry) specified in Schedule 1;
- “manufactured nitrogen fertiliser” (“*gwrtaiith nitrogen a weithgynhyrchwyd*”) means any nitrogen fertiliser (other than organic manure) manufactured by an industrial process;
- “manufactured phosphate fertiliser” (“*gwrtaiith ffosffad a weithgynhyrchwyd*”) means any phosphate fertiliser (other than organic manure) manufactured by an industrial process;
- “nitrogen fertiliser” (“*gwrtaiith nitrogen*”) means any substance containing one or more nitrogen compounds used on land to enhance growth of vegetation and includes organic manure;
- “non-grazing livestock” (“*da byw nad ydynt yn pori*”) means any animal specified in Table 2 in Schedule 1;
- “notice” (“*hysbysiad*”) means notice in writing;
- [^{F6}“NRW” (“*CNC*”) means Natural Resources Wales;]
- [^{F7}“NVZ index map” (“*map mynegai PPN*”) has the meaning given by regulation 2;]
- “organic manure” (“*tail organig*”) means any nitrogen fertiliser or phosphate fertiliser derived from animal, plant or human sources and includes livestock manure;
- “phosphate fertiliser” (“*gwrtaiith ffosffad*”) means any substance containing one or more phosphorus compounds used on land to enhance growth of vegetation and includes organic manure;
- “poultry” (“*dofednod*”) means poultry specified in Schedule 1;
- [^{F8}“precision spreading equipment” (“*cyfarpar taenu manwl*”) means a trailing shoe, dribble bar or injector system;]
- [^{F8}“qualifying grassland holding” (“*daliad glaswelltir cymhwysol*”) means a holding or part of a holding that was not previously situated within a nitrate vulnerable zone as shown on the NVZ index map, where 80% or more of the agricultural area of the holding is sown with grass]
- “reception pit” (“*pydew derbyn*”) means a pit used for the collection of slurry before it is transferred into a slurry storage tank or for the collection of slurry discharged from such a tank;
- [^{F9}“relevant period” (“*cyfnod perthnasol*”) means the period beginning with 1 January 2024 and ending with 31 December 2024;]
- “sandy soil” (“*pridd tywodlyd*”) means any soil over sandstone, and any other soil where—
- in the layer up to 40 cm deep, there are—
 - more than 50 % by weight of particles from 0.06 to 2 mm in diameter,
 - less than 18 % by weight of particles less than 0.02 mm diameter, and
 - less than 5 % by weight of organic carbon, and

- (b) in the layer from 40 to 80 cm deep, there are—
- (i) more than 70 % by weight of particles from 0.06 to 2 mm in diameter,
 - (ii) less than 15 % by weight of particles less than 0.02 mm diameter, and
 - (iii) less than 5 % by weight of organic carbon;

“shallow soil” (“*pridd tenau*”) is soil that is less than 40 cm deep;

“silage” (“*silwair*”) includes a crop being made into silage;

“silage effluent” (“*elifiant silwair*”) means effluent from silage;

“silo” (“*seilo*”) means a structure used for making or storing silage;

“slurry” (“*slyri*”) means liquid or semi-liquid matter composed of—

- (a) excreta produced by livestock (other than poultry) while in a yard or building (including that held in wood chip corrals), or
- (b) a mixture wholly or mainly consisting of livestock excreta, livestock bedding, rainwater and washings from a building or yard used by livestock,

of a consistency that allows it to be pumped or discharged by gravity at any stage in the handling process;

“slurry storage tank” (“*tanc storio slyri*”) includes a lagoon, a pit (other than a reception pit) or tower used for the storage of slurry;

“spreading” (“*taenu*”) includes application to the surface of the land, injection into the land or mixing with the surface layers of the land but does not include the direct deposit of excreta on to land by animals;

“watercourse” (“*cwrs dŵr*”) has the meaning given in section 221 of the Water Resources Act 1991.

(2) A reference in these Regulations to a slurry storage system includes a slurry storage tank and—

- (a) any reception pit and any effluent tank used in connection with the tank, and
- (b) any channels and pipes used in connection with the tank, any reception pit or any effluent tank.

(3) A requirement in these Regulations for a silo or slurry storage tank to conform to a British Standard (in whole or in part) is satisfied if the silo or tank conforms to a standard or specification that provides an equivalent level of protection and performance and is recognised for use in a member State, Iceland, Liechtenstein, Norway or Turkey.

Textual Amendments

- F5** Words in [reg. 3](#) inserted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, **4(a)**
- F6** Words in [reg. 3](#) substituted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, **4(b)**
- F7** Words in [reg. 3\(1\)](#) inserted (31.12.2022) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) Regulations 2022 \(S.I. 2022/1305\)](#), regs. 1(2), **2(3)**
- F8** Words in [reg. 3](#) inserted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, **4(c)**
- F9** Words in [reg. 3](#) inserted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, **4(d)**

Commencement Information

I3 [Reg. 3](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

PART 2**Limiting the application of organic manure****Application of livestock manure – total nitrogen limit for the whole holding**

4.—(1) The occupier of a holding must ensure that, in [^{F10}any year beginning 1 January], the total amount of nitrogen in livestock manure applied to the holding, whether directly by an animal or by spreading, does not exceed 170 kg multiplied by the area of the holding in hectares.

(2) The amount of nitrogen produced by livestock must be calculated in accordance with Schedule 1.

(3) In calculating the area of the holding for the purposes of ascertaining the amount of nitrogen permitted to be spread on the holding, no account is taken of surface waters, any hardstanding, buildings, roads or any woodland unless that woodland is used for grazing.

^{F11}(4)

Textual Amendments

F10 Words in [reg. 4\(1\)](#) substituted (31.10.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 2\) Regulations 2023](#) (S.I. 2023/1070), regs. 1(2), **2(3)(a)**

F11 [Reg. 4\(4\)](#) omitted (31.10.2023) by virtue of [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 2\) Regulations 2023](#) (S.I. 2023/1070), regs. 1(2), **2(3)(b)**

Commencement Information

I4 [Reg. 4](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

[^{F12}Application of grazing and non-grazing livestock manure on qualifying grassland holdings during the relevant period]

4A.—(1) The occupier of a qualifying grassland holding must ensure that during the relevant period—

$$A \geq Ngl/250 \pm Nngl/170$$

where—

A is the area of the holding (hectares), as existing on 1 January 2024;

Ngl is the total amount of nitrogen (kg) in grazing livestock manure applied to the holding during the relevant period, whether directly by an animal or by spreading, calculated in accordance with table 1 in Schedule 1;

Nngl is the total amount of nitrogen (kg) in non-grazing livestock manure, applied to the holding during the relevant period, whether directly by an animal or by spreading, calculated in accordance with table 2 in Schedule 1.

(2) Where the occupier of a qualifying grassland holding intends during the relevant period to apply to the holding, whether directly by an animal or by spreading, a total amount of nitrogen in

grazing livestock manure which exceeds 170 kg multiplied by the area of the holding in hectares, they must—

- (a) submit a notice to NRW in accordance with regulation 4B, and
- (b) comply with the enhanced nutrient management requirements in Schedule 1A.

(3) In calculating the area of the holding for the purposes of ascertaining the amount of nitrogen to be spread on the holding, no account is taken of surface waters, any hardstanding, buildings, roads or any woodland (unless that woodland is used for grazing).]

Textual Amendments

F12 Regs. 4A, 4B inserted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, 5

[^{F12}Notice requirements

4B.—(1) A notice under this regulation must include—

- (a) the name of the occupier of the qualifying grassland holding,
- (b) the address of the qualifying grassland holding,
- (c) a written statement that the occupier intends during the relevant period to apply to the holding, whether directly by an animal or by spreading, a total amount of nitrogen in grazing livestock manure which exceeds 170 kg multiplied by the area of the holding in hectares, and
- (d) a written statement that the occupier will comply with the additional requirements set out in Schedule 1A.

(2) A notice must be submitted to NRW by 31 March 2024 and must be accompanied by the enhanced nutrient management plan for the qualifying grassland holding.

(3) The notice and accompanying enhanced nutrient management plan must be submitted to NRW by e-mail.]

Textual Amendments

F12 Regs. 4A, 4B inserted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, 5

Spreading organic manure — nitrogen limits per hectare

5.—(1) Subject to paragraph (2), the occupier of a holding must ensure that, in any 12 month period, the total amount of nitrogen in organic manure spread on any given hectare on the holding does not exceed 250 kg.

(2) The occupier of a holding must ensure that the total amount of nitrogen in organic manure exclusively in the form of certified compost applied to any given hectare on the holding does not exceed—

- (a) 1000 kg in any four year period if it is applied as mulch to orchard land, or
- (b) 500 kg in any two year period if it is applied to any other land.

(3) For the purposes of paragraphs (1) and (2), the total amount of nitrogen in organic manure must be calculated by reference to the methods described in regulation 9 for establishing nitrogen content.

(4) In this regulation—

- (a) “orchard land” means land on which any fruit listed in Schedule 2 is grown;
- (b) “certified compost” means green compost or green/food compost in relation to which the supplier confirms in writing that it meets the standards set out in the publication *PAS 100:2011* on composted materials dated January 2011 and contains no livestock manure;
- (c) the occupier must retain written confirmation that the organic manure complies with sub-paragraph (b).

Commencement Information

I5 [Reg. 5](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

PART 3

Crop requirements

Planning the spreading of nitrogen fertiliser

6.—(1) An occupier of a holding who intends to spread nitrogen fertiliser must—

- (a) calculate the amount of nitrogen in the soil that is likely to be available for uptake by the crop during the growing season (“the soil nitrogen supply”),
- (b) calculate the optimum amount of nitrogen that should be spread on the crop, taking into account the amount of nitrogen available from the soil nitrogen supply, and
- (c) produce a plan for the spreading of nitrogen fertiliser for that growing season.

(2) In the case of any crop other than permanent grassland, the occupier must comply with paragraph (1) before spreading any nitrogen fertiliser for the first time for the purpose of fertilising a crop planted or intended to be planted.

(3) In the case of permanent grassland the occupier must comply with paragraph (1) each year beginning 1 January before the first spreading of nitrogen fertiliser.

(4) The plan must be in permanent form.

(5) The plan must record—

- (a) the reference or name of the relevant field,
- (b) the area of the field planted or intended to be planted, and
- (c) the type of crop.

(6) For the area planted or intended to be planted the plan must record—

- (a) the soil type,
- (b) the previous crop (if the previous crop was grass, whether it was managed by cutting or grazing),
- (c) the soil nitrogen supply calculated in accordance with paragraph (1) and the method used to establish this figure,
- (d) the anticipated month that the crop will be planted,
- (e) the anticipated yield (if arable), and
- (f) the optimum amount of nitrogen that should be spread on the crop, taking into account the amount of nitrogen available from the soil nitrogen supply.

Commencement Information**I6** [Reg. 6](#) in force at 1.4.2021, see [reg. 1\(3\)](#)**Additional information to be recorded during the year**

7.—(1) Before spreading organic manure, the occupier must on each occasion calculate the amount of nitrogen from that manure that is likely to be available for crop uptake in the growing season in which it is spread.

(2) The occupier must, before spreading, record—

- (a) the area on which the organic manure will be spread,
- (b) the quantity of organic manure to be spread,
- (c) the planned date for spreading (month),
- (d) the type of organic manure,
- (e) the total nitrogen content, and
- (f) the amount of nitrogen likely to be available from the organic manure intended to be spread for crop uptake in the growing season in which it is spread.

(3) Before spreading nitrogen fertiliser, the occupier must record—

- (a) the amount required, and
- (b) the planned date for spreading (month).

Commencement Information**I7** [Reg. 7](#) in force at 1.4.2021, see [reg. 1\(3\)](#)**Total nitrogen spread on a holding**

8. Irrespective of the figure in the plan, an occupier must ensure that the total amount of—

- (a) nitrogen from manufactured nitrogen fertiliser, and
- (b) nitrogen available for crop uptake from organic manure, in the growing season in which it is spread calculated in accordance with regulation 9,

does not in any 12 month period exceed the limits set out in regulation 10.

Commencement Information**I8** [Reg. 8](#) in force at 1.4.2021, see [reg. 1\(3\)](#)**Calculating the amount of nitrogen available for crop uptake from organic manure**

9.—(1) The occupier must establish the total amount of nitrogen in livestock manure, for the purposes of regulation 8, by—

- (a) using the table in Part 1 of Schedule 3, or
- (b) sampling and analysis in accordance with Part 2 of Schedule 3.

(2) Once the total amount of nitrogen in the livestock manure has been determined, the following percentages are assumed in order to establish the amount of nitrogen in the livestock manure that is available for crop uptake in the growing season in which it is spread.

Available percentage

<i>Type of livestock manure</i>	<i>Amount of nitrogen available for crop uptake in the growing season in which it is spread</i>
Cattle slurry	40 %
Pig slurry	50 %
Poultry manure	30 %
Other livestock manure	10 %

(3) In relation to all other organic manure, the occupier must establish the total amount of nitrogen available for crop uptake in the growing season in which it is spread, for the purposes of regulation 8—

- (a) by reference to technical analyses provided by the supplier,
- (b) to the extent that such information is unavailable, by reference to the values given in the Nutrient Management Guide (RB209)(4), or
- (c) by sampling and analysis in accordance with Part 2 of Schedule 3.

Commencement Information

I9 Reg. 9 in force at 1.4.2021, see reg. 1(3)

Maximum nitrogen limits by crop

10. The total amount of nitrogen permitted to be spread on any crop listed in the first column below is the figure given in the second column below, adjusted in accordance with the notes to the table and multiplied by the total area in hectares of that crop sown on the holding.

Maximum nitrogen

<i>Crop</i>	<i>Permitted amount of nitrogen (kg)^(a)</i>	<i>Standard yield (tonne/ha)</i>
Asparagus	150	n/a
(a) An additional 80 kg per hectare is permitted to all crops grown in fields if the current or previous crop has had straw or paper sludge applied to it. (b) An additional 20 kg per hectare is permitted on fields with shallow soil (other than shallow soils over sandstone). (c) An additional 20 kg per hectare is permitted for every tonne that the expected yield exceeds the standard yield. (d) An additional 40 kg per hectare is permitted to milling wheat varieties. (e) This is inclusive of any nitrogen that is applied as an exemption to the closed period for manufactured nitrogen fertiliser. The permitted amount may be increased by up to 30 kg per hectare for every half tonne that expected yield exceeds the standard yield. (f) An additional 40 kg per hectare is permitted to grass that is cut at least three times a year.		

(4) <https://ahdb.org.uk/RB209>. A copy can be obtained from AHDB (the Agricultural and Horticultural Development Board).

*Status: Point in time view as at 01/01/2024.**Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)*

<i>Crop</i>	<i>Permitted amount of nitrogen (kg)^(a)</i>	<i>Standard yield (tonne/ha)</i>
Autumn or early winter sown wheat	220 ^{(b)(c)(d)}	8.0
Beetroot	350	n/a
Brussels sprouts	350	n/a
Cabbage	350	n/a
Calabrese	350	n/a
Cauliflower	350	n/a
Carrots	150	n/a
Celery	250	n/a
Courgettes	250	n/a
Dwarf bean	250	n/a
Field beans	0	n/a
Forage maize	150	n/a
Grass	300 ^(f)	n/a
Leeks	350	n/a
Lettuce	250	n/a
Onions	250	n/a
Parsnips	250	n/a
Peas	0	n/a
Potatoes	270	n/a
Radish	150	n/a
Runner beans	250	n/a
Spring-sown wheat	180 ^{(c)(d)}	7.0
Spring barley	150 ^(e)	5.5
Sugar beet	150	n/a
Sugar beet	120	n/a
Swedes	150	n/a

(a) An additional 80 kg per hectare is permitted to all crops grown in fields if the current or previous crop has had straw or paper sludge applied to it.

(b) An additional 20 kg per hectare is permitted on fields with shallow soil (other than shallow soils over sandstone).

(c) An additional 20 kg per hectare is permitted for every tonne that the expected yield exceeds the standard yield.

(d) An additional 40 kg per hectare is permitted to milling wheat varieties.

(e) This is inclusive of any nitrogen that is applied as an exemption to the closed period for manufactured nitrogen fertiliser. The permitted amount may be increased by up to 30 kg per hectare for every half tonne that expected yield exceeds the standard yield.

(f) An additional 40 kg per hectare is permitted to grass that is cut at least three times a year.

<i>Crop</i>	<i>Permitted amount of nitrogen (kg)^(a)</i>	<i>Standard yield (tonne/ha)</i>
Sweetcorn	250	n/a
Turnips	250	n/a
Winter barley	180 ^{(b)(c)}	6.5
Winter oilseed rape	250 ^(e)	3.5

- (a) An additional 80 kg per hectare is permitted to all crops grown in fields if the current or previous crop has had straw or paper sludge applied to it.
- (b) An additional 20 kg per hectare is permitted on fields with shallow soil (other than shallow soils over sandstone).
- (c) An additional 20 kg per hectare is permitted for every tonne that the expected yield exceeds the standard yield.
- (d) An additional 40 kg per hectare is permitted to milling wheat varieties.
- (e) This is inclusive of any nitrogen that is applied as an exemption to the closed period for manufactured nitrogen fertiliser. The permitted amount may be increased by up to 30 kg per hectare for every half tonne that expected yield exceeds the standard yield.
- (f) An additional 40 kg per hectare is permitted to grass that is cut at least three times a year.

Commencement Information

I10 [Reg. 10](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

PART 4

Controlling the spreading of nitrogen fertiliser

Risk maps

11.—(1) An occupier of a holding who spreads organic manure on that holding must maintain a map of the holding (“a risk map”) in accordance with this regulation.

(2) If circumstances change the occupier must update the risk map within three months of the change.

(3) The risk map must show—

- each field, with its area in hectares,
- all surface waters,
- any boreholes, springs or wells on the holding or within 50 metres of the holding boundary,
- areas with sandy or shallow soils,
- land with an incline greater than 12°,
- land within 10 metres of surface waters,
- land within 50 metres of a borehole, spring or well,
- land drains (other than a sealed impermeable pipe),
- sites suitable for temporary field heaps if this method of storing manure is to be used, and
- land that has a low run-off risk (this is optional for an occupier who does not intend to spread manure on low run-off risk land during the storage period in accordance with regulation 29).

(4) If an occupier spreads organic manure by using precision spreading equipment up to 6 metres from surface water as permitted by regulation 14(1), the risk map must identify land within 6 metres of surface waters.

(5) The occupier must keep a copy of the risk map.

Commencement Information

I11 [Reg. 11](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

When to spread fertiliser

12.—(1) An occupier who intends to spread nitrogen fertiliser must first undertake a field inspection to consider the risk of nitrogen getting into surface water.

(2) No person may spread nitrogen fertiliser on that land if there is a significant risk of nitrogen getting into surface water, taking into account in particular—

- (a) the slope of the land, particularly if the slope is more than 12°,
- (b) any ground cover,
- (c) the proximity to surface water,
- (d) the weather conditions,
- (e) the soil type, and
- (f) the presence of land drains.

(3) No person may spread nitrogen fertiliser if the soil is waterlogged, flooded, snow covered, frozen or has been frozen for more than 12 hours in the previous 24 hours.

Commencement Information

I12 [Reg. 12](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Spreading manufactured nitrogen fertiliser near surface water

13. No person may spread manufactured nitrogen fertiliser within 2 metres of surface water.

Commencement Information

I13 [Reg. 13](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Spreading organic manure near surface water, boreholes, springs or wells

14.—(1) [^{F13}Except where paragraph 26 of Schedule 1A applies,] No person may spread organic manure within 10 metres of surface water unless using precision spreading equipment in which case no person may spread organic manure within 6 metres of surface water.

(2) But livestock manure (other than slurry and poultry manure) may be spread there if—

- (a) it is spread on land managed for breeding wader birds or as a species-rich semi-natural grassland and the land is—

- (i) notified as a Site of Special Scientific Interest under the Wildlife and Countryside Act 1981⁽⁵⁾, or
- (ii) subject to an agri-environment commitment entered into under Council Regulation (EC) 1698/2005⁽⁶⁾, or Regulation (EU) 1305/2013⁽⁷⁾,
- (b) it is spread between 1 June and 31 October inclusive,
- (c) it is not spread directly on to surface water, and
- (d) the total annual amount does not exceed 12.5 tonnes per hectare.
- (3) No person may spread organic manure within 50 metres of a borehole, spring or well.
- ^{F14}(4)

Textual Amendments

- F13** Words in [reg. 14\(1\)](#) inserted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, [6\(a\)](#)
- F14** [Reg. 14\(4\)](#) omitted (31.12.2023) by virtue of [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, [6\(b\)](#)

Commencement Information

- I14** [Reg. 14](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Controlling how nitrogen fertiliser is spread

15.—(1) Subject to paragraph (2), any person spreading slurry must use spreading equipment with a low spreading trajectory, that is, below 4 metres from the ground.

(2) Spreading equipment with a spreading trajectory of more than 4 metres from the ground may be used on land that has a low run off risk where such equipment can achieve an average slurry application rate of not more than 2 mm per hour when it is operating continuously.

(3) Any person spreading nitrogen fertiliser must do so in as accurate a manner as possible.

Commencement Information

- I15** [Reg. 15](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Incorporating organic manure into the ground

16.—(1) Any person who applies organic manure onto the surface of bare soil or stubble (other than soil that has been sown) must ensure that it is incorporated into the soil in accordance with this regulation.

(2) Poultry manure must be incorporated as soon as practicable, and within 24 hours at the latest.

(3) Slurry and liquid digested sewage sludge (that is, liquid from the treatment of sewage sludge by anaerobic digestion) must be incorporated as soon as practicable, and within 24 hours at the latest, unless it was applied using equipment of a type described in regulation 14(4).

⁽⁵⁾ 1981 c. 69.

⁽⁶⁾ EUR 1698/2005.

⁽⁷⁾ EUR 1305/2013, as amended by [S.I. 2019/748](#) and 764.

(4) Any other organic manure (other than organic manure spread as a mulch on sandy soil) must be incorporated into the soil as soon as practicable, and within 24 hours at the latest, if the land is within 50 metres of surface water and slopes in such a way that there may be run-off to that water.

Commencement Information

I16 [Reg. 16](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

PART 5

Closed periods for spreading nitrogen fertiliser

Meaning of “organic manure with high readily available nitrogen”

17. In this Part, “organic manure with high readily available nitrogen” means organic manure in which more than 30 % of the total nitrogen content is available to the crop at the time of spreading.

Commencement Information

I17 [Reg. 17](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Closed periods for spreading organic manure with high readily available nitrogen

18. Subject to regulations 19 and 20, no person may spread organic manure with high readily available nitrogen on land between the following dates, all inclusive (“the closed period”)—

The closed period

<i>Soil Type</i>	<i>Grassland</i>	<i>Tillage land</i>
Sandy or shallow soil	1 September to 31 December	1 August to 31 December
All other soils	15 October to 15 January	1 October to 31 January

Commencement Information

I18 [Reg. 18](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Exemptions: crops sown before 15 September

19. Spreading organic manure with high readily available nitrogen on tillage land with sandy or shallow soil is permitted between 1 August and 15 September inclusive provided that the crop is sown on or before 15 September.

Commencement Information

I19 [Reg. 19](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Exemptions for organic holdings

20. An occupier of a holding who has submitted his or her undertaking to the control system referred to in Article 27 of Council Regulation (EC) 834/2007(8) may spread organic manure with high readily available nitrogen at any time on—

- (a) crops listed in the table in Schedule 4 (permitted crops for the closed period), or
- (b) other crops in accordance with written advice from a person who is a member of the Fertiliser Advisers Certification and Training Scheme(9),

provided that each hectare on which organic manure is spread does not receive more than 150 kg total nitrogen between the start of the closed period and the end of February.

Commencement Information

I20 Reg. 20 in force at 1.4.2021, see reg. 1(3)

Restrictions following the closed period

21. From the end of the closed period until the end of February—

- (a) the maximum amount of slurry that may be spread at any one time is 30 cubic metres per hectare and the maximum amount of poultry manure that may be spread at any one time is 8 tonnes per hectare, and
- (b) there must be at least three weeks between each spreading.

Commencement Information

I21 Reg. 21 in force at 1.4.2021, see reg. 1(3)

Times in which spreading manufactured nitrogen fertiliser is prohibited

22.—(1) No person may spread manufactured nitrogen fertiliser on land during the following periods (all dates inclusive)—

- (a) in the case of grassland, from 15 September to 15 January, or
- (b) in the case of tillage land, from 1 September to 15 January.

(2) Spreading fertiliser during these periods is permitted on the crops specified in the Table in Schedule 4, provided that the maximum rate in column 2 is not exceeded.

(3) Spreading during those periods on crops not in Schedule 4 is permitted on the basis of written advice from a person who is a member of the Fertiliser Advisers Certification and Training Scheme.

Commencement Information

I22 Reg. 22 in force at 1.4.2021, see reg. 1(3)

(8) EUR 834/2007, as amended by S.I. 2019/693 and 831.

(9) The scheme is administered by Basis Registration Ltd, and a list of qualified persons is available from them on request or at their website, www.basis-reg.com.

PART 6

Storage of organic manure and silage

Storage of organic manure

23. An occupier of a holding who stores any organic manure (other than slurry), or any bedding contaminated with any organic manure, must store it—

- (a) in a vessel,
- (b) in a covered building,
- (c) on an impermeable surface, or
- (d) in the case of solid manure that can be stacked in a free standing heap and that does not drain liquid from the material, on a temporary field site.

Commencement Information

I23 [Reg. 23](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Making or storage of silage

24.—(1) Subject to paragraph (3), a person who has custody or control of silage that is being made or stored must ensure that—

- (a) the silage is kept in a silo that satisfies the requirements of Schedule 5, or
 - (b) the silage is compressed into bales that—
 - (i) are wrapped and sealed into impermeable membranes, or enclosed in impermeable bags, and
 - (ii) are stored at least 10 metres from any inland freshwaters or coastal waters that effluent escaping from the bales could enter, or
 - (c) if the silage is a crop being made into field silage (that is, silage made on open land by a method different from the baling method referred to in sub-paragraph (b)) or silage that is being stored on open land—
 - (i) [^{F15}NRW] is given notice of the place where the silage is to be made or stored at least 14 days before the place is first used for that purpose, and
 - (ii) the place is at least 10 metres from any inland freshwaters or coastal waters, and at least 50 metres from the nearest relevant water abstraction point of any protected water supply source that silage effluent could enter if it escaped.
- (2) For paragraph (1)(c)(ii), a water supply source is a protected water supply source if—
- (a) any relevant water abstraction from the source is licensed under Part 2 of the Water Resources Act 1991(**10**), or
 - (b) the person making or storing the silage was aware of the source's location—
 - (i) before the making of the silage began, or
 - (ii) if the silage was made elsewhere, before it was stored on the land in question.

(3) Paragraph (1) does not apply to silage while it is stored temporarily in a container, trailer or vehicle in connection with its transport about the farm or elsewhere.

(4) A person who has custody or control of a silage bale must not open or remove the wrapping of the bale within 10 metres of any inland freshwaters or coastal waters which silage effluent could enter as a result.

(5) In this regulation—

- (a) “relevant water abstraction” means the abstraction of water for use for—
 - (i) human consumption, or
 - (ii) domestic purposes (within the meaning given by section 218 of the Water Industry Act 1991⁽¹¹⁾) other than human consumption, or
 - (iii) manufacturing food or drink for human consumption, and
- (b) “water supply source” means inland freshwaters or ground waters from which a relevant water abstraction is made or licensed to be made.

Textual Amendments

F15 Word in [reg. 24\(1\)\(c\)\(i\)](#) substituted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), [regs. 1, 7\(a\)](#)

Commencement Information

I24 [Reg. 24](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Storage of slurry

25.—(1) Subject to paragraph (2), a person having custody or control of slurry must have a slurry storage system that satisfies the requirements of Schedule 6 and the slurry must be stored in that system.

(2) Paragraph (1) does not apply to slurry while it is stored temporarily in a tanker that is used for transporting slurry on roads or about a farm.

Commencement Information

I25 [Reg. 25](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Exemptions to the storage requirements

26.—(1) Regulations 24(1) and 25(1) do not apply to a silo or slurry storage system—

- (a) which, before 1 March 1991, was being used for the purpose of making silage or storing slurry,
- (b) where it was not used before 1 March 1991 for that purpose, it was constructed before that date for such use, or
- (c) in relation to which—
 - (i) a contract for its construction, substantial enlargement or substantial reconstruction was entered into before 1 March 1991, or
 - (ii) such work was commenced before that date, andin either case the work was completed before 1 September 1991.

Commencement Information

I26 Reg. 26 in force at 1.4.2021, see [reg. 1\(3\)](#)

Temporary field sites

- 27.—**(1) A temporary field site must not be—
- (a) in a field liable to flooding or becoming waterlogged,
 - (b) within 50 metres of a borehole, spring or well or within 10 metres of surface water or a land drain (other than a sealed impermeable pipe),
 - (c) located in any single position for more than 12 consecutive months, or
 - (d) located in the same place as an earlier one constructed within the last two years.
- (2) Solid poultry manure that does not have bedding mixed into it and is stored on a temporary field site must be covered with an impermeable material.
- (3) Further—
- (a) topsoil must not be removed from the ground upon which a temporary field site is to be constructed,
 - (b) a temporary field site must not be located within 30 metres of a watercourse on land identified on the risk map as having an incline of greater than 12°, and
 - (c) the surface area of a temporary field site must be as small as reasonably practicable to minimise the leaching effect of rainfall.

Commencement Information

I27 Reg. 27 in force at 1.4.2021, see [reg. 1\(3\)](#)

Separation of slurry

- 28.** Separation of slurry into its solid and liquid fractions must either be carried out mechanically or on an impermeable surface where the liquid fraction drains into a suitable receptacle.

Commencement Information

I28 Reg. 28 in force at 1.4.2021, see [reg. 1\(3\)](#)

Storage capacity

- 29.—**(1) An occupier of a holding who keeps any of the animals specified in Schedule 1 must provide sufficient storage for all slurry produced on the holding during the storage period, and all poultry manure produced in a yard or building on the holding during the storage period.
- (2) The volume of the manure produced by the animals on the holding must be calculated in accordance with Schedule 1.
- (3) A slurry store must have the capacity to store, in addition to the manure, any rainfall, washings or other liquid that enters the vessel (either directly or indirectly) during the storage period.
- (4) Storage facilities are not necessary for slurry or poultry manure—
- (a) sent off the holding, or

- (b) spread on land that has a low run-off risk (provided that this is done in accordance with the restrictions on spreading in these Regulations); but in this case storage facilities for an additional one week's manure must be provided as a contingency measure in the event of spreading not being possible on some dates.
- (5) For the purposes of this regulation the "storage period" (all dates inclusive) is—
 - (a) the period between 1 October and 1 April for pigs and poultry;
 - (b) the period between 1 October and 1 March in any other case.

Commencement Information

I29 Reg. 29 in force at 1.4.2021, see [reg. 1\(3\)](#)

Notice requiring works etc.

30.—(1) [^{F16}NRW] may serve, on a person who has custody or control of silage or slurry or is responsible for a silo or slurry storage system, in circumstances in which these Regulations apply, a notice ("regulation 30 notice") requiring the person to carry out works, or take precautions or other steps, specified in the notice.

(2) The works, precautions or other steps must be, in the opinion of [^{F16}NRW], appropriate, having regard to the requirements of these Regulations, for reducing to a minimum any significant risk of pollution of controlled waters.

(3) The notice must—

- (a) specify or describe the works, precautions or other steps that the person is required to carry out or take,
- (b) state the period within which any such requirement is to be complied with, and
- (c) inform the person of the effect of regulation 31.

(4) The period for compliance stated in the notice is—

- (a) 28 days, or
- (b) such longer period as is reasonable in the circumstances.

(5) A person on whom a regulation 30 notice has been served must comply with the requirements of that notice.

(6) [^{F16}NRW] may at any time (including a time after the period for compliance has ended)—

- (a) withdraw the notice,
- (b) extend the period for compliance with any requirement of the notice, or
- (c) with the consent of the person on whom the notice is served, modify the requirements of the notice.

(7) [^{F16}NRW] must withdraw the notice, extend the period for compliance, or modify the requirements of the notice if so directed by the Welsh Ministers under regulation 31(5).

Textual Amendments

F16 Word in [reg. 30](#) substituted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023](#) (S.I. 2023/1393), regs. 1, **7(b)**

Commencement Information

I30 Reg. 30 in force at 1.4.2021, see **reg. 1(3)**

Appeals against regulation 30 notices

31.—(1) A person served with a regulation 30 notice may, within the period of 28 days beginning on the day after the date on which the notice is served (or such longer period as the Welsh Ministers allow), appeal to the Welsh Ministers against the notice.

(2) An appeal under this regulation must be made by the appellant serving notice on the Welsh Ministers.

(3) The notice must contain or be accompanied by a statement of the grounds of appeal.

(4) Before determining an appeal under this regulation, the Welsh Ministers must, if requested to do so by the appellant or [^{F17}NRW], afford them an opportunity of appearing before and being heard by a person appointed by the Welsh Ministers for the purpose.

(5) On determining an appeal under this regulation, the Welsh Ministers may direct [^{F17}NRW] to—

- (a) withdraw the regulation 30 notice,
- (b) modify any of its requirements,
- (c) extend the period for compliance with any requirement, or
- (d) dismiss the appeal.

(6) The period for compliance with a regulation 30 notice against which an appeal has been made is, subject to any direction under paragraph (5), extended so that it expires on the date on which the Welsh Ministers finally determines the appeal or, if the appeal is withdrawn, the date on which it is withdrawn.

Textual Amendments

F17 Word in **reg. 31** substituted (31.12.2023) by **The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) (No. 4) Regulations 2023 (S.I. 2023/1393)**, regs. 1, **7(c)**

Commencement Information

I31 Reg. 31 in force at 1.4.2021, see **reg. 1(3)**

Notice of construction etc.

32.—(1) This regulation applies to any silo or slurry storage system whose construction is to be begun on or after 28 April 2021 (“a new or improved store”).

(2) A person who proposes to have custody or control of silage or slurry that is to be kept in a new or improved store must give [^{F18}NRW] notice specifying the type of silo or storage system and its location, at least 14 days before work constructing the new or improved store is to be begun.

(3) In this regulation, “construction” includes substantial enlargement and reconstruction.

Textual Amendments

F18 Word in **reg. 32(2)** substituted (31.12.2023) by **The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) (No. 4) Regulations 2023 (S.I. 2023/1393)**, regs. 1, **7(d)**

Commencement Information

I32 Reg. 32 in force at 1.4.2021, see reg. 1(3)

PART 7

Calculations and records

Recording the size of the holding

33.—(1) The occupier of a holding must maintain a record of the total size of the holding calculated in accordance with regulation 4(3).

(2) If the size of the holding changes this record must be updated within one month.

Commencement Information

I33 Reg. 33 in force at 1.4.2021, see reg. 1(3)

Records relating to storage of manure during the storage period

34.—(1) The occupier of a holding with livestock must maintain a record—

- (a) of the amount of manure that will be produced by the anticipated number of animals that will be kept in a building or on hardstanding during the storage period referred to regulation 29, using the figures in Schedule 1;
- (b) the amount of storage capacity (slurry vessels and hardstanding) required to enable compliance with regulation 29, taking into account—
 - (i) the amount of manure intended to be exported from the holding,
 - (ii) the amount of manure intended to be spread on land that has a low run-off risk, and
 - (iii) in the case of a slurry vessel the amount of liquid other than slurry likely to enter the vessel;
- (c) the current capacity for storage on the holding.

(2) An occupier who introduces animals on to a holding for the first time must comply with paragraph (1) within one month of the introduction of the animals.

(3) If the amount of storage capacity changes the occupier must record the change within one week.

Commencement Information

I34 Reg. 34 in force at 1.4.2021, see reg. 1(3)

Annual records relating to storage

35.—(1) Before 30 April each year the occupier of a holding with livestock must record, for the previous storage period referred to in regulation 29 the number and category of animals in a building or on a hardstanding during the storage period.

(2) The occupier must also record the sites used for field heaps and the dates of use.

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

Commencement Information

I35 Reg. 35 in force at 1.4.2021, see **reg. 1(3)**

Record of nitrogen produced by animals on the holding

- 36.**—(1) Before [^{F19}the relevant date] every year the occupier must make a record of—
- (a) the number and category (in accordance with the categories in Schedule 1) of animals on the holding during the [^{F20}previous 12 month period], and
 - (b) the number of days that each animal spent on the holding.
- (2) The occupier must then calculate the amount of nitrogen in the manure produced by the animals on the holding during that year using the Table in Schedule 1.
- (3) Alternatively, in the case of permanently housed pigs or poultry, the occupier may use—
- (a) software approved by the Welsh Ministers, or
 - (b) in the case of a system of keeping livestock that only produces solid manure, sampling and analysis in accordance with Part 2 of Schedule 3.
- (4) The occupier must make a record of the calculations and how the final figures were arrived at.
- (5) An occupier who used software approved by the Welsh Ministers must keep a printout of the result.
- [^{F21}(6) In this regulation—
- “previous 12 month period” (“*cyfnod o 12 mis blaenorol*”) means—
- (a) for an occupier of a holding within a nitrate vulnerable zone as shown on the NVZ index map, the 12 month period beginning 1 January and ending 31 December before the relevant date;
 - (b) for an occupier of a holding or part of a holding that were not previously situated within a nitrate vulnerable zone as shown on the NVZ index map—
 - (i) the first 12 month period for these purposes is [^{F22}1 January 2024 to 31 December 2024], and
 - (ii) subsequently, the 12 month period beginning [^{F23}1 January and ending 31 December] before the relevant date;
- “relevant date” (“*dyddiad perthnasol*”) means—
- (a) for an occupier of a holding within a nitrate vulnerable zone as shown on the NVZ index map, 30 April,
 - (b) for an occupier of a holding or part of a holding that were not previously situated within a nitrate vulnerable zone as shown on the NVZ index map, [^{F24}30 April 2025 and for all subsequent years 30 April].]

Textual Amendments

- F19** Words in **reg. 36(1)** substituted (31.12.2022) by **The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) Regulations 2022** (S.I. 2022/1305), **regs. 1(2), 2(5)(a)**
- F20** Words in **reg. 36(1)(a)** substituted (31.12.2022) by **The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) Regulations 2022** (S.I. 2022/1305), **regs. 1(2), 2(5)(b)**
- F21** **Reg. 36(6)** inserted (31.12.2022) by **The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) Regulations 2022** (S.I. 2022/1305), **regs. 1(2), 2(5)(c)**

- F22** Words in [reg. 36\(6\)](#) substituted (31.10.2023) by The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) (No. 2) Regulations 2023 (S.I. 2023/1070), [regs. 1\(2\), 2\(4\)\(a\)\(i\)](#)
- F23** Words in [reg. 36\(6\)](#) substituted (31.10.2023) by The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) (No. 2) Regulations 2023 (S.I. 2023/1070), [regs. 1\(2\), 2\(4\)\(a\)\(ii\)](#)
- F24** Words in [reg. 36\(6\)](#) substituted (31.10.2023) by The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) (No. 2) Regulations 2023 (S.I. 2023/1070), [regs. 1\(2\), 2\(4\)\(b\)](#)

Commencement Information

I36 [Reg. 36](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Livestock manure brought on to or sent off the holding

37.—(1) Subject to paragraph (3), an occupier who brings livestock manure on to a holding must, within one week record—

- (a) the type and amount of livestock manure,
- (b) the date it is brought on to the holding,
- (c) the nitrogen content, and
- (d) if known the name and address of the supplier.

(2) An occupier who sends livestock manure off a holding must within one week record—

- (a) the type and amount of livestock manure,
- (b) the date it is sent off the holding,
- (c) the nitrogen content,
- (d) the name and address of the recipient, and
- (e) details of a contingency plan to be used in the event that an agreement for a person to accept the livestock manure fails.

(3) If the nitrogen content of the livestock manure brought on to a holding is not known, the occupier must ascertain it, as soon as is reasonably practicable after arrival, and record it within one week of ascertaining it.

(4) All nitrogen content of the livestock manure must be ascertained using either the standard figures in Part 1 of Schedule 3 or by sampling and analysis as set out in Part 2 of that Schedule.

Commencement Information

I37 [Reg. 37](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Sampling and analysis

38. Any person using sampling and analysis to determine nitrogen content in organic manure must keep the original report from the laboratory.

Commencement Information

I38 [Reg. 38](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Records of crops sown

39. An occupier who intends to spread nitrogen fertiliser must record within one week of sowing a crop—

- (a) the crop sown, and
- (b) the date of sowing.

Commencement Information

I39 Reg. 39 in force at 1.4.2021, see [reg. 1\(3\)](#)

Records of spreading nitrogen fertiliser

40.—(1) Subject to paragraph (3), within one week of spreading organic manure the occupier must record—

- (a) the area on which organic manure is spread;
- (b) the quantity of organic manure spread;
- (c) the date or dates;
- (d) the methods of spreading;
- (e) the type of organic manure;
- (f) the total nitrogen content;
- (g) the amount of nitrogen that was available to the crop.

(2) Subject to paragraph (3), within one week of spreading manufactured nitrogen fertiliser the occupier must record—

- (a) the date of spreading, and
- (b) the amount of nitrogen spread.

(3) Paragraphs (1) and (2) do not apply to the occupier of a holding in any calendar year in which 80 % of the agricultural area of a holding is sown with grass, and—

- (a) the total amount of nitrogen in organic manure applied to the holding, whether directly by animal or a result of spreading, is no more than 100 kg per hectare,
- (b) the total amount of nitrogen in manufactured nitrogen fertiliser applied to the holding is no more than 90 kg per hectare, and
- (c) the occupier does not bring any organic manure onto the holding.

Commencement Information

I40 Reg. 40 in force at 1.4.2021, see [reg. 1\(3\)](#)

Subsequent records

41.—(1) An occupier who has used nitrogen fertiliser must record the yield achieved by an arable crop within one week of ascertaining it.

(2) Before 30 April each year an occupier must record how any grassland was managed in the previous calendar year.

Commencement Information

I41 [Reg. 41](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Keeping of advice

42. An occupier must keep a copy of any advice from a person who is a member of the Fertiliser Advisers Certification and Training Scheme that is relied on for any purpose under these Regulations for five years.

Commencement Information

I42 [Reg. 42](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Duration of records

43. Any person required to make a record under these Regulations must keep it for five years.

Commencement Information

I43 [Reg. 43](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

PART 8

Monitoring and review

Monitoring and review

44.—(1) The Welsh Ministers must establish a monitoring programme to assess the effectiveness of the measures imposed by these Regulations as a means of reducing or preventing water pollution from agricultural sources.

(2) At least every four years, the Welsh Ministers must review the effectiveness of the measures imposed by these Regulations as a means of reducing or preventing water pollution from agricultural sources and if necessary revise them.

(3) When carrying out a review under paragraph (2), the Welsh Ministers must take into account—

- (a) available scientific and technical data, particularly with reference to respective nitrogen contributions originating from agricultural and other sources, and
- (b) regional environmental conditions.

Commencement Information

I44 [Reg. 44](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Alternative measures

45.—(1) If proposals for an alternative suite of measures for delivering the outcomes in regulation 44(1) are received within 18 months of these Regulations coming into force, the Welsh

Ministers must consider whether those measures would deliver the outcomes more effectively than the measures contained in these Regulations.

(2) If the Welsh Ministers are satisfied that proposals submitted under paragraph (1) would be more effective in delivering the outcomes in regulation 44(1), they must publish a statement within two years of these Regulations coming into force, explaining what action will be taken.

Commencement Information

I45 [Reg. 45](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

PART 9

Enforcement

Offences and penalties

46.—(1) Subject to paragraph (2), any person who contravenes any provision of these Regulations is guilty of an offence and liable on summary conviction, or on conviction on indictment, to a fine.

(2) A person who contravenes regulation 32 is guilty of an offence and liable on summary conviction to a fine not exceeding level 2 on the standard scale.

(3) Subject to paragraph (4) where a body corporate is guilty of an offence under these Regulations, and that offence is proved to have been committed with the consent or connivance of, or to have been attributable to any neglect on the part of—

- (a) any director, manager, secretary or other similar person of the body corporate, or
- (b) any person who was purporting to act in any such capacity,

that person, as well as the body corporate, is guilty of the offence and liable to be proceeded against and punished accordingly.

(4) Paragraph (3) does not apply to contraventions under regulations 24(1), 24(4), 25(1), 30(5) or 32.

(5) For the purposes of this regulation, “director”, in relation to a body corporate whose affairs are managed by its members, means a member of the body corporate.

Commencement Information

I46 [Reg. 46](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Enforcement

47. These Regulations are enforced by ^[F25]NRW].

Textual Amendments

F25 Word in [reg. 47](#) substituted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, [7\(e\)](#)

Commencement Information

I47 [Reg. 47](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

PART 10

Miscellaneous

Revocations

48.—(1) The Water Resources (Control of Pollution) (Silage and Slurry) (Wales) Regulations 2010⁽¹²⁾ are revoked as follows—

- (a) in relation to a holding or part of a holding that was situated in a nitrate vulnerable zone as shown on the relevant map marked “Nitrate Vulnerable Zones Index Map 2013”⁽¹³⁾, on 1 April 2021;
- (b) in relation to all other holdings—
 - (i) regulations 3 and 9 on 1 April 2021
 - (ii) all remaining provisions on 1 August 2024.
- (2) The following are revoked—
 - (a) the Nitrate Pollution Prevention (Wales) Regulations 2013;
 - (b) the Nitrate Pollution Prevention (Wales) (Amendment) Regulations 2015⁽¹⁴⁾;
 - (c) the Nitrate Pollution Prevention (Wales) (Amendment) Regulations 2019⁽¹⁵⁾.

Commencement Information

I48 [Reg. 48](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Consequential amendments

49.—(1) In the Environmental Permitting (England and Wales) Regulations 2016⁽¹⁶⁾, in Schedule 2, in paragraph 17(2)(b), for “the Nitrate Pollution Prevention (Wales) Regulations 2013” substitute “the Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021”.

(2) In the Water Environment (Water Framework Directive) (England and Wales) Regulations 2017⁽¹⁷⁾, in Part 2 of Schedule 2—

- (a) for paragraph 21 substitute—

“**21.** The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021.”;
- (b) for paragraph 24 substitute—

“**24.** The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021.”

⁽¹²⁾ [S.I. 2010/1493 \(W. 136\)](#).

⁽¹³⁾ Under regulation 7(3) of the Nitrate Pollution Prevention (Wales) Regulations 2013 ([S.I. 2013/2506 \(W. 245\)](#)) such a map was required to be deposited at the offices of the Welsh Government at Cathays Park, Cardiff, CF10 3NQ.

⁽¹⁴⁾ [S.I. 2015/2020 \(W. 308\)](#).

⁽¹⁵⁾ [S.I. 2019/863 \(W. 155\)](#).

⁽¹⁶⁾ [S.I. 2016/1154](#).

⁽¹⁷⁾ [S.I. 2017/407](#).

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for *The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021*. (See end of Document for details)

(3) In the Conservation of Habitats and Species (England and Wales) Regulations 2017⁽¹⁸⁾, in regulation 104, omit paragraph (1)(b) and the “or” before it.

Commencement Information

I49 Reg. 49 in force at 1.4.2021, see reg. 1(3)

Lesley Griffiths
Minister for Environment, Energy and Rural
Affairs, one of the Welsh Ministers

⁽¹⁸⁾ S.I. 2017/1012.

SCHEDULE 1

Regulations 3, 4, 29, 34 and 36

Amount of manure, nitrogen and phosphate produced
by grazing livestock and non-grazing livestock**Commencement Information****I50** Sch. 1 in force at 1.4.2021, see reg. 1(3)**Table 1****Grazing livestock**

<i>Category</i>	<i>Daily manure produced by each animal (litres)</i>	<i>Daily nitrogen produced by each animal (grams)</i>	<i>Daily phosphate produced by each animal (grams)</i>
Cattle			
Calves (all categories 7 except veal) up to 3 months:		23	12.7
Dairy cows—			
from 3 months and less 20 than 13 months:		95	34
from 13 months up to 40 first calf:		167	[^{F26} 69]
After first calf and—			
annual milk yield more 64 than 9000 litres:		315	142
annual milk yield 53 between 6000 and 9000 litres:		276	121
annual milk yield less 42 than 6000 litres:		211	93
Beef cows or steers ^(a) —			
from 3 months and less 20 than 13 months:		91	33
from 13 months and 26 less than 25 months:		137	43
From 25 months—			
females or steers for 31 slaughter:		137	60
females for breeding—			

(a) Castrated male.**(b)** In the case of a ewe, this figure includes one or more suckled lambs until the lambs are aged six months.

Status: Point in time view as at 01/01/2024.**Changes to legislation:** There are currently no known outstanding effects for *The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021*. (See end of Document for details)

<i>Category</i>	<i>Daily manure produced by each animal (litres)</i>	<i>Daily nitrogen produced by each animal (grams)</i>	<i>Daily phosphate produced by each animal (grams)</i>
weighing 500 kg or less:	32	167	65
weighing more than 500 kg:	45	227	86
Bulls			
Non-breeding, months and over:	3 26	148	24
Breeding—			
from 3 months and less than 25 months:	26	137	43
from 25 months:	26	132	60
Sheep			
From 6 months up to 9 months old:	1.8	5.5	0.76
From 9 months old to first lambing, first tugging or slaughter:	1.8	3.9	2.1
After lambing or tugging ^(b) —			
weight less than 60 kg:	3.3	21	8.8
weight from 60 kg:	5	[^{F27} 33]	10.0
Goats, deer and horses			
Goats:	3.5	41	18.8
Deer—			
breeding:	5	42	17.6
other:	3.5	33	11.7
Horses:	24	58	56

(a) Castrated male.**(b)** In the case of a ewe, this figure includes one or more suckled lambs until the lambs are aged six months.**Textual Amendments****F26** Word in [Sch. 1 Table 1](#) substituted (31.12.2022) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) Regulations 2022 \(S.I. 2022/1305\)](#), regs. 1(2), **2(6)(a)****F27** Word in [Sch. 1 Table 1](#) substituted (31.12.2022) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) Regulations 2022 \(S.I. 2022/1305\)](#), regs. 1(2), **2(6)(b)**

Table 2**Non-grazing livestock**

<i>Category</i>	<i>Daily manure produced by each animal (litres)</i>	<i>Daily nitrogen produced by each animal (grams)</i>	<i>Daily phosphate produced by each animal (grams)</i>
Cattle			
Veal calves:	7	23	12.7
Poultry^(a)			
Chickens used for production of eggs for human consumption—			
less than 17 weeks:	0.04	0.64	0.47
from 17 weeks (caged):	0.12	1.13	1.0
from 17 weeks (not caged)	0.12	1.5	1.1
Chickens raised for meat:	0.06	1.06	0.72
Chickens raised for breeding—			
less than 25 weeks:	0.04	0.86	0.78
from 25 weeks:	0.12	2.02	1.5
Turkeys—			
male:	0.16	3.74	3.1
female:	0.12	2.83	2.3
Ducks:	0.10	2.48	2.4
Ostriches:	1.6	3.83	18.5
Pigs			
Weight from 7 kg and less than 13 kg:	1.3	4.1	1.3
Weight from 13 kg and less than 31 kg:	2	14.2	6.0
Weight from 31 kg and less than 66 kg—			
dry fed:	3.7	24	12.1
liquid fed:	7.1	24	12.1
Weight from 66 kg and—			
Intended for slaughter—			
dry fed:	5.1	33	17.9
liquid fed:	10	33	17.9

(a) Note: all figures for poultry include litter.

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

<i>Category</i>	<i>Daily manure produced by each animal (litres)</i>	<i>Daily nitrogen produced by each animal (grams)</i>	<i>Daily phosphate produced by each animal (grams)</i>
sows intended for breeding that have not yet had their first litter:	5.6	38	20
sows (including their litters up to a weight of 7 kg per piglet) fed on a diet supplemented with synthetic amino acids:	10.9	44	37
sows (including their litters up to a weight of 7 kg per piglet) fed on a diet without synthetic amino acids:	10.9	49	37
breeding boars from 66 kg up to 150 kg:	5.1	33	17.9
breeding boars, from 150 kg	8.7	48	28

(a) Note: all figures for poultry include litter.

SCHEDULE 1A

Regulations 4A and 4B

Enhanced nutrient management requirements

Textual Amendments

F28 Sch. 1A inserted (31.12.2023) by The Water Resources (Control of Agricultural Pollution) (Wales) (Amendment) (No. 4) Regulations 2023 (S.I. 2023/1393), reg. 1, Sch.

Application of Schedule 1A

1. The following enhanced nutrient management requirements apply to the occupier of a qualifying grassland holding intending during the relevant period to apply to the holding, whether directly by an animal or by spreading, a total amount of nitrogen in grazing livestock manure which exceeds 170 kg multiplied by the area of the holding in hectares.

Interpretation

2. In this Schedule—

“soil phosphorus index” (“*mynegai ffosfforws pridd*”) means a reference to the index number assigned to the soil in accordance with Table 1 of this Schedule, to indicate the level of phosphorus available from the soil; “soil sampling analysis” (“*dadansoddiad samplu pridd*”) means analysis of a soil sample carried out by a soil testing laboratory to analyse soils for phosphorus.

Livestock manure to be applied to the holding during relevant period

3. The occupier must ensure that the only livestock manure to be applied to the holding during the relevant period, whether directly by an animal or by spreading, is manure produced by the livestock on the holding.

Soil sampling analysis

4.—(1) The occupier must, for the purposes of determining the soil phosphorus index for each area of the holding with the same cropping regime, nutrient management regime and soil type, undertake soil sampling analysis of at least every five hectares of the agricultural area of the holding with the same cropping regime, nutrient management regime and soil type.

(2) An occupier may rely on the results of previous soil sampling analysis of the agricultural area of the holding with the same cropping regime, nutrient management regime and soil type for the purposes of sub-paragraph (1), provided such sampling analysis was carried out within the period beginning with 1 January 2020 and ending with 31 December 2023.

(3) Where phosphorus soil sampling analysis of the agricultural area of the holding with the same cropping regime, nutrient management regime and soil type has not been carried out within the period referred to in sub-paragraph (2), such sampling analysis must be undertaken within the period beginning with 1 January 2024 and ending with 30 March 2024.

Determining the soil phosphorus index

5. The occupier must determine the soil phosphorus index for each area of the holding with the same cropping regime, nutrient management regime and soil type by using the results from the soil sampling analysis under paragraph 4 and the values in the following table.

Table 1 – Phosphorus index

<i>Phosphorus index</i>	<i>Phosphorus (P) mg/L</i>
	<i>Olsen (P)</i>
0	0-9
1	10-15
2	16-25
3	26-45
4	46-70
5	71-100
6	101-140
7	141-200
8	201-280
9	Over 280

Planning the spreading of phosphate fertiliser

6. In addition to the production of nitrogen spreading plans under regulation 6 (planning the spreading of nitrogen fertiliser) the occupier must, within the period beginning with 1 January 2024 and ending with 30 March 2024—

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

- (a) calculate the optimum amount of phosphate fertiliser (kg) that should be spread on the crop during the relevant period, taking into account the soil phosphorus index, and
- (b) produce a plan (“enhanced nutrient management plan”) for the spreading of phosphate fertiliser during the relevant period.

Requirements for enhanced nutrient management plans

- 7.—(1) The enhanced nutrient management plan for the holding must—
- (a) include a risk map, produced in accordance with paragraph 11(1), indicating the location of the fields to which the plan relates, and
 - (b) clearly state in relation to any field referred to in the plan the type of fertiliser to be used.
- (2) The enhanced nutrient management plan must record—
- (a) the soil phosphorus index for each area of the holding with the same cropping regime, nutrient management regime and soil type,
 - (b) the optimum amount of phosphate fertiliser (kg) that should be spread on the crop, taking into account the soil phosphorus index,
 - (c) the amount of nitrogen (kg) likely to be available for uptake by the crop from any organic manure intended to be spread for crop uptake in the growing season during the relevant period,
 - (d) the amount of phosphate (kg) likely to be supplied to meet the requirement of the crop from any organic manure spread or intended to be spread during the relevant period, calculated in accordance with—
 - (i) tables 1 and 2 (as applicable) of Schedule 1,
 - (ii) sampling and analysis in accordance with Part 2 of Schedule 3, or
 - (iii) technical analyses provided by the supplier,
 - (e) the amount of manufactured nitrogen fertiliser (kg) required (that is, the optimum amount of nitrogen required by the crop less the amount of nitrogen that will be available for crop uptake from any organic manure spread during the relevant period), and
 - (f) the amount of manufactured phosphate fertiliser (kg) required (that is, the optimum amount of phosphate required by the crop less the amount of phosphate supplied for crop uptake from any organic manure spread for the purpose of fertilising the crop during the relevant period).

Total phosphorus spread on a holding during relevant period

8. Irrespective of the figure recorded in the enhanced nutrient management plan in accordance with paragraph 7(2)(b), the occupier must ensure that the total amount of—

- (a) phosphate from manufactured phosphate fertiliser, and
- (b) phosphate from organic manure, in the growing season in which it is spread,

does not, during the relevant period, exceed the limits set out in paragraph 9.

Maximum phosphate limits by crop

9.—(1) Subject to sub-paragraph (2), the total amount of phosphate spread on any crop listed in the first column of any of the tables below must not exceed the figure under the applicable soil phosphorus index number in the same table.

Table 2 - Maximum phosphate for grass

	<i>Soil Phosphorus index (kg P₂O₅/ha)</i>				
	0	1	2	3	4+
At grass establishment	120	80	50	30	0
Grazing	80	50	20	0	0
Hay	80	55	30	0	0
Silage					
First cut	100	70	40	20	0
Second Cut	25	25	25	0	0
Third Cut	15	15	15	0	0
Fourth Cut	10	10	10	0	0

Table 3 - Maximum phosphate for other crops

<i>P-index</i>	<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5+</i>
Crop	Phosphate (kg/ha)					
Forage crops						
Forage maize	115	85	55	20	0	0
Wholecrop cereals	115	85	55	0	0	0
Forage swedes and turnips (lifted)	105	75	45	0	0	0
Fodder beet (lifted)	120	90	60	0	0	0
Forage rape, swedes and stubble turnips (grazed)	85	55	25	0	0	0
Kale (grazed)	80	50	20	0	0	0
Rye-grass sown for seed	90	60	30	0	0	0
Arable crops (Straw incorporated)						
Winter wheat	110	80	50	0	0	0
Winter triticale	125	95	65	0	0	0
Winter Barley	110	80	50	0	0	0
Spring barley	105	75	45	0	0	0
Spring wheat/spring triticale/rye/oats	110	80	50	0	0	0
Arable crops (Straw removed)						
Winter wheat	115	85	55	0	0	0
Winter triticale	130	100	70	0	0	0

- (a) At P Index 4 and 5, up to 60 kg P₂O₅/ha can be used as a starter fertiliser, close to the seed. The amount of phosphate applied as a starter dose, together with the amount added in the base dressing, should not exceed the amount of phosphate required to replace that removed by the previous crop.

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

P-index	0	1	2	3	4	5+
Winter barley	115	85	55	0	0	0
Spring barley	105	75	45	0	0	0
Spring wheat	110	80	50	0	0	0
Spring triticale/rye	110	80	50	0	0	0
Oats	115	85	55	0	0	0
Oilseeds						
Winter oilseed rape	110	80	50	0	0	0
Spring oilseed rape or linseed	90	60	30	0	0	0
Peas (dried and vining) and beans	100	70	40	0	0	0
Sugar Beet	110	80	50	0	0	0
Potatoes	250	210	170	100	0	0
Vegetables and bulbs						
Asparagus (establishment)	175	150	125	100	75	0
Asparagus (subsequent years following establishment)	75	75	50	50	25	0
Brussels sprouts, storage cabbage, head cabbage and collards	200	150	100	50	0	0
Cauliflower and calabrese	200	150	100	50	0	0
Celery	250	200	150	100	50	0
Peas (market pick)	185	135	85	35	0	0
Broad beans, dwarf and runner beans	200	150	100	50	0	0
Radish and sweetcorn	175	125	75	25	0	0
Lettuce and wild rocket	250	200	150	100	60 ^(a)	60 ^(a)
Onions and leeks	200	150	100	50	60 ^(a)	60 ^(a)
Beetroot, swedes, turnips, parsnips and carrots	200	150	100	50	0	0
Bulbs and bulb flowers	200	150	100	50	0	0
Coriander and mint	175	125	75	25	0	0
Courgettes	175	125	75	25	0	0
Fruit and vines before planting	200	100	50	50	0	0

(a) At P Index 4 and 5, up to 60 kg P₂O₅/ha can be used as a starter fertiliser, close to the seed. The amount of phosphate applied as a starter dose, together with the amount added in the base dressing, should not exceed the amount of phosphate required to replace that removed by the previous crop.

P-index	0	1	2	3	4	5+
Hops before planting	250	175	125	100	50	0
Established top fruit	80	40	20	20	0	0
Blackcurrants, redcurrants, gooseberries, raspberries, loganberries, tayberries, Blackberries, strawberries and vines	110	70	40	40	0	0
Established Hops	250	200	150	100	50	0

- (a) At P Index 4 and 5, up to 60 kg P₂O₅/ha can be used as a starter fertiliser, close to the seed. The amount of phosphate applied as a starter dose, together with the amount added in the base dressing, should not exceed the amount of phosphate required to replace that removed by the previous crop.

(2) Spreading phosphate on grass and other crops above the values stipulated within the tables above is permitted subject to prior receipt of written advice from a person who is a member of the Fertiliser Advisers Certification and Training Scheme.

Additional information to be recorded during the relevant period

10.—(1) In addition to the information to be recorded under regulation 7 (additional information to be recorded during the year) the occupier must—

- (a) before spreading organic manure during the relevant period, record the total phosphate content (kg) of the organic manure; and
- (b) before spreading manufactured phosphate fertiliser during the relevant period, record—
 - (i) the amount of phosphate (kg) required (that is, the optimum amount of phosphate required by the crop less the amount of phosphate that will be supplied for crop uptake from any organic manure spread), and
 - (ii) the planned month for spreading.

Risk maps – additional requirements

11.—(1) In addition to the requirements under regulation 11 (risk maps), the risk map must—

- (a) show each field marked with a reference number or number to enable cross reference to fields recorded in fertilisation plans,
- (b) correspond with the agricultural area of the holding, and
- (c) be completed by 31 March 2024.

(2) Where a change in circumstances affects a matter referred to in paragraph (1)(a) or (b), the occupier must update the map within one month of the change, beginning with the day after the change.

Maintaining the holding as a qualifying grassland holding

12. The occupier must maintain the holding to ensure at least 80% of the agricultural area is sown with grass during the relevant period.

Closed period for ploughing grass on the holding

13. The occupier must ensure that no person—

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

- (a) ploughs temporary grassland on sandy soils on the holding within the period beginning with 1 July 2024 and ending with 31 December 2024,
- (b) ploughs grass on sandy soils before 16 January 2024 on the holding where livestock manure has been spread on that grass within the period beginning with 1 September and ending with 31 December in the previous calendar year, and
- (c) ploughs grass on soils that are not sandy soils on the holding before 16 January 2024 where livestock manure has been spread on that grass within the period beginning with 15 October in the previous calendar year and ending with 15 January 2024.

Sowing of crops following grass on the holding

14. Where any grass on the holding is ploughed during the relevant period, the land must be—
- (a) sown with a crop with high nitrogen demand within four weeks beginning with the day after the date of ploughing grass, or
 - (b) sown with grass within six weeks, beginning with the day after the date of ploughing grass.

Crop rotation on the holding

15. Crop rotation on the holding during the relevant period must not include leguminous or other plants fixing atmospheric nitrogen except for grass with less than 50% clover, or any other leguminous plants that are under-sown with grass.

Recording the size of the holding

- 16.—(1) The occupier must record the total agricultural area and the area of grass within the holding by 1 March 2024.
- (2) If the size of the holding or area of grass within it changes the occupier must update the record within one month beginning with the day after the change.

Record of nitrogen and phosphate produced by animals

- 17.—(1) The occupier must make a record of the expected number and category (in accordance with the categories in Tables 1 and 2 in Schedule 1) of livestock to be kept on the holding during the relevant period.
- (2) Following the record making requirements in sub-paragraph (1), the occupier must then calculate and record the amount of nitrogen and phosphate (kg) in manure expected to be produced by the livestock on the holding during the relevant period using Tables 1 and 2 (as applicable) in Schedule 1.
- (3) The records to be made in accordance with sub-paragraphs (1) and (2) must be made before 1 March 2024.

Livestock manure intended to be sent off the holding

- 18.—(1) The occupier must—
- (a) make a record of the type and amount of livestock manure (tonnes or cubic metres as applicable) that is intended to be sent off the holding during the relevant period, and
 - (b) assess and record the amount of nitrogen (kg) in the livestock manure recorded under paragraph (a) in accordance with regulation 36(4) and Parts 1 and 2 of Schedule 3.
- (2) The records to be made under sub-paragraph (1) must be made by 1 March 2024.

Records of crops sown

19. In addition to the requirements of regulation 39 (records of crops sown), if the occupier intends to spread phosphate fertiliser during the relevant period, the occupier must within one week of sowing a crop record—

- (a) the crop sown, and
- (b) the date of sowing.

Records of spreading phosphate fertiliser

20. In addition to the requirements of regulation 40 (records of spreading nitrogen fertiliser), the occupier must, during the relevant period, record—

- (a) within one week of spreading organic manure the total phosphorus content (kg), and
- (b) within one week of spreading manufactured phosphate fertiliser—
 - (i) the date of spreading, and
 - (ii) the amount of phosphate spread (kg).

Recording the date of ploughing

21. In addition to the requirements of regulation 41 (subsequent records), the occupier must, during the relevant period, record within one week of ploughing grass on the holding the date of that ploughing.

Fertilisation accounts

22.—(1) The occupier, or any person on behalf of the occupier, must submit fertilisation accounts for the relevant period to NRW by 31 March 2025.

(2) The fertilisation accounts must be submitted to NRW by e-mail.

(3) The fertilisation account must record—

- (a) the total agricultural area of the holding in hectares;
- (b) the area of the holding in hectares covered by—
 - (i) winter wheat,
 - (ii) spring wheat,
 - (iii) winter barley,
 - (iv) spring barley,
 - (v) winter oilseed rape,
 - (vi) sugar beet,
 - (vii) potatoes,
 - (viii) forage maize,
 - (ix) grass, and
 - (x) other crops;
- (c) the number and category of animals kept on the holding during the relevant period in accordance with the categories described in Tables 1 and 2 in Schedule 1;
- (d) the amount of nitrogen and phosphate (kg) in the manure produced by the animals on the holding during the relevant period using Tables 1 and 2 in Schedule 1;

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

- (e) the amount (tonnes or cubic metres as applicable), type and characteristics of livestock manure sent off the holding during the relevant period;
- (f) the amount of nitrogen and phosphate (kg) in the manure recorded under sub-paragraph (3) (e), calculated in accordance with Schedule 1;
- (g) the weight (tonnes) and nitrogen content (kg) of all manufactured nitrogen fertiliser stocks kept on the holding during the relevant period;
- (h) the weight (tonnes) and phosphate content (kg) of all manufactured phosphate fertiliser stocks kept on the holding during the relevant period;
- (i) the weight (tonnes) and nitrogen content (kg) of all manufactured nitrogen fertiliser brought on to and sent off the holding during the relevant period;
- (j) the weight (tonnes) and phosphate content (kg) of all manufactured phosphate fertiliser brought on to and sent off the holding during the relevant period.

Soil protection measures

23.—(1) The occupier must protect all soil by ensuring that all land is covered by crops, stubbles, residues or other vegetation at all times, except where establishing such cover would create a significant risk of soil erosion and significant risk of nitrogen and phosphorus getting into surface water.

(2) Where land has been harvested using a combine harvester, forage harvester or mower, the occupier must ensure that, throughout the relevant period beginning with the first day after harvest and ending with 31 December 2024, one of the following conditions is met on that land at all times—

- (a) the stubble of the harvested crop remains in the land, or
- (b) the land is prepared as a seedbed for a crop or temporary cover crop within 14 days of harvest, beginning with the first day after harvest, and—
 - (i) the crop, or temporary cover crop, is sown within a period of 10 days beginning with the day after final seedbed preparation, or
 - (ii) if sowing within that 10-day period would lead to significant risk of soil erosion, and nitrogen or phosphorus entering a surface water, the crop, or temporary cover crop, is sown as soon as is practicable after the land ceases to be waterlogged.

Locations of supplementary feeding and drinking sites for livestock

24.—(1) The occupier must ensure during the relevant period that sites where supplementary feeding for livestock are provided are not located within 20 metres of a watercourse on any land.

(2) The occupier must ensure during the relevant period that sites where supplementary drinking for livestock are provided are not located within 10 metres of a watercourse on any land.

Spreading of slurry during relevant period

25. If the occupier intends to spread slurry on the holding during the relevant period, precision spreading equipment must be used except where it would not be reasonably practicable to do so.

Spreading organic manure near surface water during relevant period

26. The occupier must ensure that during the relevant period no person spreads organic manure within 15 metres of surface water unless using precision spreading equipment, in which case no person may spread organic manure within 10 metres of surface water.]

SCHEDULE 2

Regulation 5

Fruit species

Commencement Information**I51** Sch. 2 in force at 1.4.2021, see reg. 1(3)

<i>Botanical Name</i>	<i>Common Name</i>
<i>Cydonia oblonga</i>	Quince
<i>Malus domestica</i>	Apple
<i>Mespilus germanica</i>	Medlar
<i>Morus</i> spp.	Mulberry
<i>Prunus armenaica</i>	Apricot
<i>Prunus avium</i>	Sweet cherry
<i>Prunus cerasus</i>	Sour (cooking) cherry
<i>Prunus ceracifera</i>	Cherry plum
<i>Prunus domestica</i>	Plum
<i>Prunus domestica</i> subsp. <i>insititia</i>	Damson, Bullace
<i>Prunus persica</i>	Peach
<i>Prunus persica</i> var. <i>nectarina</i>	Nectarine
<i>Prunus x gondouinii</i>	Duke cherry
<i>Prunus spinosa</i>	Sloe
<i>Pyrus communis</i>	Pear
<i>Pyrus pyrifolia</i>	Asian pear

SCHEDULE 3

Regulations 9, 36 and 37

Calculating nitrogen in organic manure

PART 1

Standard Table

Commencement Information**I52** Sch. 3 Pt. 1 in force at 1.4.2021, see reg. 1(3)

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

Total amount of nitrogen in livestock manure

<i>Manure other than slurry</i>	<i>Total nitrogen in each tonne (kg)</i>
Manure other than slurry from—	
cattle:	6
pigs:	7
sheep:	7
ducks:	6.5
horses:	7
goats:	6
Manure from laying hens:	19
Manure from turkeys or broiler chickens:	[^{F29} 30]

Textual Amendments

F29 Word in [Sch. 3 Pt. 1](#) Table substituted (31.12.2022) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) Regulations 2022 \(S.I. 2022/1305\)](#), regs. 1(2), **2(7)**

<i>Slurry</i>	<i>Total nitrogen in each cubic metre (kg)</i>
cattle:	2.6
pigs:	3.6
Separated cattle slurry (liquid fraction)—	
strainer box:	1.5
weeping wall:	2
mechanical separator:	3
Separated cattle slurry (solid fraction):	4
Separated pig slurry (liquid fraction):	3.6
Separated pig slurry (solid fraction):	5
Dirty water:	0.5

PART 2

Sampling and analysis of organic manure

Slurry and other liquid and semi-liquid organic manure

1.—(1) In relation to slurry and other liquid and semi-liquid organic manure, at least five samples, each of 2 litres, must be taken.

(2) Subject to sub-paragraph (3), the five samples must be taken from a vessel, and—

- (a) if reasonably practicable, the slurry must be thoroughly mixed before the samples are taken, and
 - (b) each sample must be taken from a different location.
- (3) If a tanker used for spreading is fitted with a suitable valve, the samples may be taken while spreading, and each sample must be taken at intervals during the spreading.
- (4) Whether taken as described in sub-paragraph (2) or (3), the five samples must be poured into a larger container, stirred thoroughly and a 2 litre sample must be taken from that container and poured into a smaller clean container.
- (5) The 2 litre sample produced in accordance with sub-paragraph (4) must then be sent for analysis.

Commencement Information

I53 [Sch. 3 para. 1](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

Solid manures

- 2.—(1) In relation to solid manures, the samples must be taken from a manure heap.
- (2) At least ten samples of 1 kg each must be taken, each from a different location in a heap.
- (3) Each sub-sample must be taken at least 0.5 metres from the surface of the heap.
- (4) If samples are being collected to calculate compliance with the whole farm limit for pigs and poultry, four samples for analysis must be taken in a calendar year (one taken in each quarter) from manure heaps not more than 12 months old.
- (5) The sub-samples must be placed on a clean, dry tray or sheet.
- (6) Any lumps must be broken up and the sub-samples must be thoroughly mixed together.
- (7) A representative sample of at least 2 kg must then be sent for analysis.

Commencement Information

I54 [Sch. 3 para. 2](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

SCHEDULE 4**Regulations 20 and 22****Permitted crops for the closed period****Commencement Information**

I55 [Sch. 4](#) in force at 1.4.2021, see [reg. 1\(3\)](#)

<i>Crop</i>	<i>Maximum nitrogen rate (kg/hectare)</i>
Oilseed rape, winter ^(a)	30

(a) Nitrogen must not be spread on crops after 31 October.

(b) An additional 50 kg of nitrogen per hectare may be spread every four weeks during the closed period up to the end of harvest.

(c) A maximum of 40 kg of nitrogen per hectare may be spread at any one time.

*Status: Point in time view as at 01/01/2024.**Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)*

<i>Crop</i>	<i>Maximum nitrogen rate (kg/hectare)</i>
Asparagus	50
Brassica ^(b)	100
Grass ^{(a)(c)}	80
Over-wintered salad onions	40
Parsley	40
Bulb onion	40

(a) Nitrogen must not be spread on crops after 31 October.

(b) An additional 50 kg of nitrogen per hectare may be spread every four weeks during the closed period up to the end of harvest.

(c) A maximum of 40 kg of nitrogen per hectare may be spread at any one time.

SCHEDULE 5

Regulation 24

Requirements for silos

1. The requirement to be satisfied in relation to a silo is that it complies with the following provisions of this Schedule.

Commencement Information**I56** Sch. 5 para. 1 in force at 1.4.2021, see reg. 1(3)

2. The base of the silo must—

- (a) extend beyond any walls of the silo,
- (b) be provided at its perimeter with channels designed and constructed so as to collect any silage effluent that escapes from the silo, and
- (c) have adequate provision for the drainage of that effluent from those channels to an effluent tank through a channel or pipe.

Commencement Information**I57** Sch. 5 para. 2 in force at 1.4.2021, see reg. 1(3)

3. The capacity of the effluent tank must not be less than—

- (a) in the case of a silo with a capacity of less than 1,500 cubic metres, 20 litres for each cubic metre of silo capacity, and
- (b) in the case of a silo with a capacity of 1,500 cubic metres or more, 30 cubic metres plus 6.7 litres for each cubic metre of silo capacity in excess of 1,500 cubic metres.

Commencement Information**I58** Sch. 5 para. 3 in force at 1.4.2021, see reg. 1(3)

4.—(1) The base of the silo must be—

- (a) designed in accordance with the code of practice for design of concrete structures for retaining aqueous liquids published by the British Standards Institution and numbered BS 8007: 1987⁽¹⁹⁾, or
 - (b) constructed using appropriate hot-rolled asphalt in accordance with the code of practice for selection and use of construction materials published by the British Standards Institution and numbered BS 5502: Part 21: 1990⁽²⁰⁾.
- (2) The base of the silo, the base and walls of its effluent tank and channels and walls of any pipes must be impermeable.

Commencement Information

I59 Sch. 5 para. 4 in force at 1.4.2021, see [reg. 1\(3\)](#)

5. The base and walls of the silo, its effluent tank and channels and the walls of any pipes must, so far as reasonably practicable, be resistant to attack by silage effluent.

Commencement Information

I60 Sch. 5 para. 5 in force at 1.4.2021, see [reg. 1\(3\)](#)

6. No part of the silo, its effluent tank or channels or any pipes may be situated within 10 metres of any inland freshwaters or coastal waters into which silage effluent could enter if it were to escape.

Commencement Information

I61 Sch. 5 para. 6 in force at 1.4.2021, see [reg. 1\(3\)](#)

7. If the silo has retaining walls—
- (a) the retaining walls must be capable of withstanding minimum wall loadings calculated on the assumptions and in the manner indicated by paragraph 15.6 of the code of practice on buildings and structures for agriculture published by the British Standards Institution and numbered BS 5502: Part 22: 2003⁽²¹⁾,
 - (b) the silo must at no time be loaded to a depth exceeding the maximum depth consistent with the design assumption made in respect of the loadings of the retaining walls, and
 - (c) notices must be displayed on the retaining walls in accordance with paragraph 18 of that code of practice.

Commencement Information

I62 Sch. 5 para. 7 in force at 1.4.2021, see [reg. 1\(3\)](#)

8. Subject to paragraph 9, the silo, its effluent tank and channels and any pipes must be designed and constructed so that with proper maintenance they are likely to continue to satisfy the requirements of paragraphs 2 to 5 and, if applicable, paragraph 7(a) for at least 20 years.

⁽¹⁹⁾ Publication date: 30 October 1987. ISBN 0-580-16134-X.

⁽²⁰⁾ Publication date: 31 December 1990. ISBN 0-580-18348-3.

⁽²¹⁾ Publication date: 10 June 2003. ISBN 0-580-38654-6.

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

Commencement Information

I63 Sch. 5 para. 8 in force at 1.4.2021, see [reg. 1\(3\)](#)

9. If any part of an effluent tank is below ground level, the tank must be designed and constructed so that it is likely to continue to satisfy the requirements of paragraphs 4 and 5 for at least 20 years without maintenance.

Commencement Information

I64 Sch. 5 para. 9 in force at 1.4.2021, see [reg. 1\(3\)](#)

SCHEDULE 6

Regulation 25

Requirements for slurry storage systems

1. The requirements to be satisfied in relation to a slurry storage system are as follows.

Commencement Information

I65 Sch. 6 para. 1 in force at 1.4.2021, see [reg. 1\(3\)](#)

2. The base of the slurry storage tank, the base and walls of any effluent tank, channels and reception pit, and the walls of any pipes, must be impermeable.

Commencement Information

I66 Sch. 6 para. 2 in force at 1.4.2021, see [reg. 1\(3\)](#)

3. The base and walls of the slurry storage tank, any effluent tank, channels and reception pit, and the walls of any pipes, must be protected against corrosion in accordance with paragraph 7 of the code of practice on buildings and structures for agriculture published by the British Standards Institution and numbered BS 5502: Part 50: 1993⁽²²⁾.

Commencement Information

I67 Sch. 6 para. 3 in force at 1.4.2021, see [reg. 1\(3\)](#)

4. The base and walls of the slurry storage tank and of any reception pit must be capable of withstanding characteristic loads calculated on the assumptions and in the manner indicated by paragraph 5 of the code of practice on buildings and structures for agriculture published by the British Standards Institution and numbered BS 5502: Part 50: 1993.

Commencement Information

I68 Sch. 6 para. 4 in force at 1.4.2021, see [reg. 1\(3\)](#)

⁽²²⁾ Publication date: 15th April 1993. ISBN 0-580-22053-2.

5.—(1) Any facilities used for the temporary storage of slurry before it is transferred to a slurry storage tank must have adequate capacity to store—

- (a) the maximum quantity of slurry that (disregarding any slurry which will be transferred directly into a slurry storage tank) is likely to be produced on the premises in any two day period, or
- (b) a lesser capacity that [F30NRW] agrees in writing is adequate to avoid any significant risk of pollution of controlled waters.

(2) Where slurry flows into a channel before discharging into a reception pit and the flow of slurry out of the channel is controlled by means of a sluice, the capacity of the reception pit must be adequate to hold the maximum quantity of slurry that can be released by opening the sluice.

Textual Amendments

F30 Word in Sch. 6 substituted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, 7(f)

Commencement Information

I69 Sch. 6 para. 5 in force at 1.4.2021, see [reg. 1\(3\)](#)

6. In the case of a slurry storage tanks with walls made of earth, the tank must have at least 750 mm of freeboard and 300 mm of freeboard in all other cases.

Commencement Information

I70 Sch. 6 para. 6 in force at 1.4.2021, see [reg. 1\(3\)](#)

7. No part of the slurry storage tank or any effluent tank, channels or reception pit may be situated within 10 metres of any inland freshwaters or coastal waters into which slurry could enter if it were to escape unless precautions are taken that [F30NRW] agrees in writing are adequate to avoid any significant risk of pollution of controlled waters.

Textual Amendments

F30 Word in Sch. 6 substituted (31.12.2023) by [The Water Resources \(Control of Agricultural Pollution\) \(Wales\) \(Amendment\) \(No. 4\) Regulations 2023 \(S.I. 2023/1393\)](#), regs. 1, 7(f)

Commencement Information

I71 Sch. 6 para. 7 in force at 1.4.2021, see [reg. 1\(3\)](#)

8. The slurry storage tank and any effluent tank, channels, pipes and reception pit must be designed and constructed so that with proper maintenance they are likely to continue to satisfy the requirements of paragraphs 2 to 4 for at least 20 years.

Commencement Information

I72 Sch. 6 para. 8 in force at 1.4.2021, see [reg. 1\(3\)](#)

9. If the walls of the slurry storage tank are not impermeable, the base of the tank must—

- (a) extend beyond the walls;

Status: Point in time view as at 01/01/2024.

Changes to legislation: There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021. (See end of Document for details)

- (b) be provided with channels designed and constructed so as to collect any slurry that escapes from the tank;
- (c) have adequate provision for the drainage of the slurry from those channels to an effluent tank through a channel or pipe.

Commencement Information

I73 Sch. 6 para. 9 in force at 1.4.2021, see [reg. 1\(3\)](#)

10.—(1) Subject to sub-paragraph (3), if the slurry storage tank or any effluent tank or reception pit is fitted with a drainage pipe there must be two valves in series on the pipe with each valve separated from the other by a minimum distance of 1 metre.

(2) Each valve must be capable of shutting off the flow of slurry through the pipe and must be kept shut and locked in that position when not in use.

(3) Sub-paragraph (1) does not apply in relation to a slurry storage tank that drains through the pipe into another slurry storage tank if the other tank is of equal or greater capacity or if the tops of the tanks are at the same level.

Commencement Information

I74 Sch. 6 para. 10 in force at 1.4.2021, see [reg. 1\(3\)](#)

EXPLANATORY NOTE

(This note is not part of the Regulations)

These Regulations revoke and replace—

- (a) the Nitrate Pollution Prevention (Wales) Regulations 2013 ([S.I. 2013/2506 \(W. 245\)](#)) which control the application of nitrogen fertiliser in nitrate sensitive areas, and
- (b) the Water Resources (Control of Pollution) (Silage and Slurry) (Wales) Regulations 2010 ([S.I. 2010/1493 \(W. 136\)](#)) which regulate the custody and control of silage and slurry and provided the design and construction standards applicable for its storage.

These Regulations make provision concerning the protection of waters against pollution by nitrates from agricultural sources.

Principal Changes

Whereas the requirements under the Nitrate Pollution Prevention (Wales) Regulations 2013 applied only to holdings situated in designated Nitrate Vulnerable Zones, these requirements will now apply to all holdings in Wales. The majority of the measures in the Water Resources (Control of Pollution) (Silage and Slurry) (Wales) Regulations 2010 will continue to apply under these Regulations but the capacity requirements for the storage of organic manure and silage in those Regulations are superseded and mirror those in the Nitrate Pollution Prevention (Wales) Regulations 2013.

Furthermore, persons proposing to build or improve their storage facility for slurry or silage will be required to notify the Natural Resources Body for Wales (“NRBW”) 14 days before construction work is begun, replacing the previous requirement for notification prior to the storage facility’s actual use.

Occupiers of organic holdings wishing to benefit from the exemption to the closed periods for spreading organic manure with high readily available nitrogen (regulation 20) must now submit an undertaking to the control system referred to in Article 27 of Council Regulation (EC) 834/2007 rather than register with the Advisory Committee on Organic Standards which has now been dissolved.

The Regulations

Part 1 of these Regulations contains introductory provisions including transitional provision for all holdings not previously within a Nitrate Vulnerable Zone which are now required to comply with the relevant provisions and requirements under these Regulations.

Part 2 of these Regulations imposes annual limits on the amount of nitrogen from organic manure that may be applied or spread.

Part 3 establishes requirements relating to the amount of nitrogen to be spread on a crop, and requires an occupier to plan in advance how much nitrogen fertilizer will be spread.

Part 4 requires an occupier to provide a risk map of the holding, and imposes conditions on how, where and when to spread nitrogen fertilizer.

Part 5 establishes closed periods during which it is prohibited to spread nitrogen fertilizer.

Part 6 makes provision for the storage of organic manure and prescribes the capacity and construction requirements for such storage systems. It provides for exemptions from the requirements for certain storage systems; for NRBW to serve notices requiring the carrying out of works or precautions for reducing the risk of pollution to controlled waters and provides an appeal process against such notices. It also requires NRBW to be notified of certain works to be carried out to such storage systems.

Part 7 specifies what records must be kept.

Part 8 requires the Welsh Ministers to review these Regulations within set time scales, including a review after two years to consider any submissions on an alternative suite of measures to those in these Regulations for preventing or reducing pollution caused by agriculture.

Part 9 of these Regulations provides for enforcement and for contravention of certain regulations to be a criminal offence. These Regulations are enforced by NRBW.

Part 10 contains miscellaneous provisions including revocations.

These Regulations repeal and re-enact (without modification) technical regulations in the Water Resources (Control of Pollution) (Silage and Slurry) (Wales) Regulations 2010.

British Standard publications referred to in these Regulations can be obtained from the British Standard Institute either online at <https://shop.bsigroup.com/Contact-Us/> or by writing to BSI Customer Services, 389 Chiswick High Road, London, W4 4AL, UK.

The Welsh Ministers’ Code of Practice on the carrying out of Regulatory Impact Assessments was considered in relation to these Regulations. As a result, a regulatory impact assessment has been prepared as to the likely costs and benefits of complying with these Regulations. A copy can be obtained from the Welsh Government, Cathays Park, Cardiff, CF10 3NQ.

Status:

Point in time view as at 01/01/2024.

Changes to legislation:

There are currently no known outstanding effects for The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021.