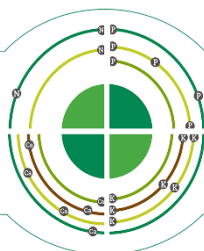


NMP Online User Update

Issue 25 | October 2023



NMP
Online

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1. General notes

The NMP online webpage is @ <https://www.teagasc.ie/environment/soil/nmp/>

[NMP bulletin 25](#) Dairy Cow Banding and Dairy Cow washings/Soiled water update.

[NMP bulletin 23](#) on how to extract expired soil samples reports.

[NMP bulletin 22](#) in relation to cow banding and upcoming deadlines.

[NMP bulletin 21](#) on Nitrates Action Programme changes from earlier in 2022 and the OSI layer 1:5,000.

[NMP bulletin 20](#) provides a link to videos on the upgraded mapping functionality.

[NMP bulletin 19](#) on mapping improvements.

[NMP bulletin 18](#) may also be of interest on how to extract soil sample data

The GAP Regulation was updated in March 2022 (SI 113/2022) and can be located @

<https://www.irishstatutebook.ie/eli/2022/si/113/made/en/print>

There was an amendment to the GAP regulation in July (SI 393/2022), which can be located @

<https://www.irishstatutebook.ie/eli/2022/si/393/made/en/print>

There was a further amendment to the GAP regulations in December (SI 716/2022), which can be

located @ <https://www.irishstatutebook.ie/eli/2022/si/716/made/en/print>

We are engaging with DAFM in relation to the following items and all going well (GDPR and data sharing agreements); these will be developed over the coming months:-

- LPIS boundary update
- Updated LPIS details
- DAFM 220 water quality implementation map
- Ortho layer from OSI in NMP online is the most recent OSI layer and we are investigating if we can get the DAFM ortho layer

2. Farmer Plan Screen

This has been updated and now has the heading “Farmer Plans page”

The screenshot shows the 'Farmer Plans Page' with a header 'Adding a new client - Farmer Plans Page'. Below the header are tabs for 'Plans', 'Client Details', 'Alerts', and 'Soil Reports'. A 'Select year' dropdown menu is set to 2023, and a search box is present. The main content is a table with the following data:

Year	Plan Id	Client Name	Agent Name	Plan Type	Submission Date	Record Submitted	Versions
2023	317154	Adding a new client	Tim Hyde	○			11/10/2023 317139
2025	317137	Adding a new client	Tim Hyde	○			⚠️ 09/10/2023
2024	317092	Adding a new client	Tim Hyde	○			⚠️ 27/09/2023

3. Button to return users to the newly named farmer plans screen

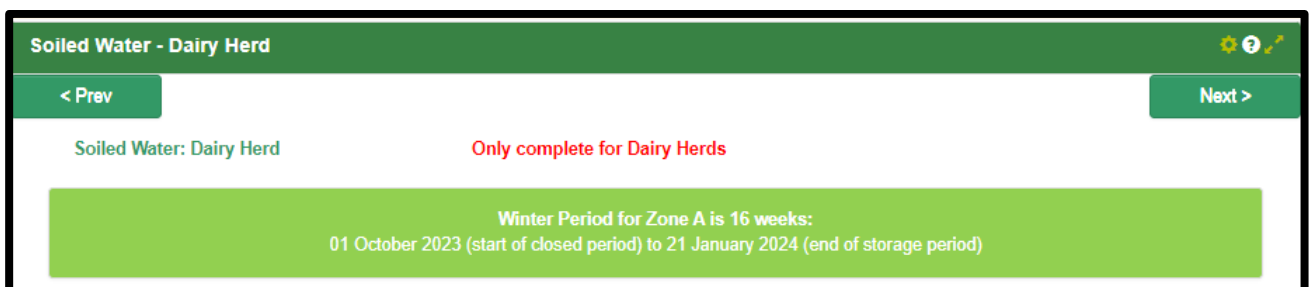
When in a plan and the user discovers this is not the correct plan there is now a shortcut button labelled “Plans” to return to the farmer plans screen.



4. Soiled Water – Dairy Herd

Changes to the soiled water calculations require users to ensure that the data entered in the dairy soiled water section are done correctly and additional text has been added to help users understand this section. [NMP bulletin 25](#) Dairy Cow Banding and Dairy Cow washings/Soiled water update will help users understand this better.

Zone A – 16 weeks storage will now display as below



Zone B – 18 weeks storage will now display as below

The screenshot shows the 'Soiled Water - Dairy Herd' section. At the top, there are navigation buttons '< Prev' and 'Next >'. Below these, the text 'Soiled Water: Dairy Herd' is on the left and 'Only complete for Dairy Herds' is in red on the right. A blue box contains the text: 'Winter Period for Zone B is 18 weeks: 01 October 2023 (start of closed period) to 04 February 2024 (end of storage period)'. There are also gear and help icons in the top right corner.

Zone C – 20 weeks storage will now display as below

The screenshot shows the 'Soiled Water - Dairy Herd' section. At the top, there are navigation buttons '< Prev' and 'Next >'. Below these, the text 'Soiled Water: Dairy Herd' is on the left and 'Only complete for Dairy Herds' is in red on the right. A red box contains the text: 'Winter Period for Zone C is 20 weeks: 01 October 2023 (start of closed period) to 18 February 2024 (end of storage period)'. There are also gear and help icons in the top right corner.

Zone D – 22 weeks storage will now display as below

The screenshot shows the 'Soiled Water - Dairy Herd' section. At the top, there are navigation buttons '< Prev' and 'Next >'. Below these, the text 'Soiled Water: Dairy Herd' is on the left and 'Only complete for Dairy Herds' is in red on the right. A red box contains the text: 'Winter Period for Zone C (Cavan, Monaghan) is 22 weeks: 01 October 2023 (start of closed period) to 03 March 2024 (end of storage period)'. There are also gear and help icons in the top right corner.

Where a custom storage period is selected (where >20% of land holding is in a higher storage zone)

The screenshot shows a 'Warnings: 2' banner at the top. Below it is the 'Soiled Water - Winter Dairy Herd' section. At the top, there are navigation buttons '< Prev' and 'Next >'. Below these, the text 'Soiled Water: Winter Dairy Herd' is on the left and 'Only complete for Winter Milking Herds' is in red on the right. A grey box contains the text: 'Custom Storage Period is set to 22 weeks: 08 October 2022 (start of closed period) to 10 March 2023 (end of storage period)'. There are also gear and help icons in the top right corner.

5. Crops that cannot have a soil sample allocated to them

Crop type such as commonage, GLAS commonage, Farmyards & Roads, REPS 4A Habitats and Forestry cannot have soil samples allocated to them. Where users select these crops, the following message will appear to users in land setup when the pop-up for these crops opens. If any of these crops were allocated a soil sample in error, the user will have to change the crop type to Grazing and unassign the soil sample and then change the crop type back.

The screenshot shows a web form titled "Edit plot". It contains several input fields: "Name" (text box with "1st Field out back"), "Townland" (text box), "Gross Area" (text box with "3.13" and "Ha" next to it), "Reference Area" (text box with "3.13" and "Ha" next to it), and "Mapped Area" (text box with "3.14" and "Ha" next to it). There are also two dropdown menus for "Crop 1" (set to "Commonage") and "Crop 2" (set to "-- select a crop --"). A green "Update Areas" button is positioned to the right of the area fields. At the bottom of the form, there is a message: "Soil Samples should not be allocated to the selected Crop". Below the message are four buttons: "Delete" (red), "Save" (green), "Save + New" (green), and "Cancel" (orange).

6. Eco-Scheme Available N

Farms that selected the Eco-Scheme Reduced N as part of BISS Eco-Scheme measure 2023 have to comply with the available N in the table below.

Table 1

Band	Grassland stocking rate 2022 (kgs organic nitrogen per ha)	Max permitted application of chemical nitrogen in 2023 (kgs per ha)
1	≤ 90	73
2	> 90 - 130	89
3	> 130 - 170	165
4	> 170 - 210	240
5	> 210	214

In plan settings, there is now a dropdown (defaults to no); that the users can select yes and the Eco-Scheme in Table 1 above will be used based on the previous year's GSR in plan settings.

Plan Settings

General Settings

Optional Settings

Units

SFP Settings

Enterprise Beef
 Dairy
 Deer/Goats/Horses
 Horticulture

Soil Sampling

Use Maps?

Crop Yields Adjustment

Higher P Buildup Conditions

Eco-Scheme Reduced N

Pigs/Poultry
 Sheep
 Tillage

Organic Manures Import

Organic Manures Export

Manure Storage Capacity

In the Land and Fert Max page, if Eco-Scheme is selected as yes, the highlighted in BOLD Black text. Also applies to tillage lands. DAFM have also confirmed in recent days this also applies to Horticultural crops and this is in development currently. The reduced N applied to tillage crops is limited to 139.42kgs/ha and where cereal crop yields are applied the 139.42kgs/ha is the limit.

Fertiliser Plan - Land & Fert Max

< Prev
Next >

	N	P Index 1	P Index 2	P Index 3	P Index 4
Max Grassland Allowance (Previous Year Grassland SR:160.00 kg/ha)	165	63	43	13	0

Available N Allowance Note: Eco-Scheme N Limits Applied


Name	Crop Area(Ha)	N Index 1			N Index 2			N Index 3		
		Area(Ha)	N Allowed	Total N	Area(Ha)	N Allowed	Total N	Area(Ha)	N Allowed	Total N
Grazing	28.3	28.3	165	4,669.5						
1 Cut + Grazing	3.39	3.39	165	559.4						
2 Cut + Grazing	2.99	2.99	165	493.4						
GLAS Fallow	1				1	0	0.0			
Winter Barley	2.97	2.97	139.41	414.0						

New warning has also been develop as shown below

Warning! Eco-Scheme Reduced N has been selected as Yes: Land & Fert Max available N is reduced.

7. Highlighting Maximum chemical N and P allowed

Following suggestions from users and with the National Fertiliser Database in operation the maximum chemical N and P allowed is now highlighted as shown in the screen shot below and also appears in reports.

Nutrient Balance			
	N(kg)	P(kg)	K(kg)
Chemical Recommended	6,136	365 (100%)	369
Max Chemical Allowed	6,136	1,101	
Chemical Usage	4,559	0	9,303

8. Soil sampling requirements under the Nitrates Action plan

Statutory instrument SI 113/2022 brought in these new rules

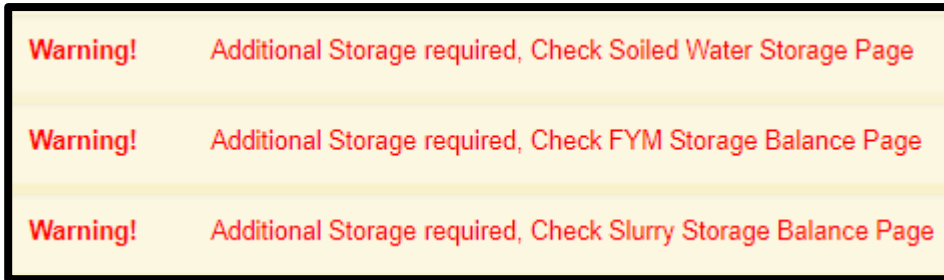
- From 11th March 2022 all occupiers of holdings that have a grassland stocking rate of 170 kg N/ha or above prior to export 16 [113] of livestock manure, shall take soil tests and shall assume P index 4 until soil tests are taken. From 1st January 2023, all occupiers of holdings with a grassland stocking rate above 130 kg N/ha shall take soil tests and shall assume P index 4 until soil tests are taken. From 1st January 2023, all occupiers of holdings on all arable land shall take soil tests.

Where a NMP for 2023 onwards has a previous years GSR in plan settings >130.00 kgs/ha and no soil samples are assigned to these plots AND any tillage plots (in any plan regardless of previous years GSR) with no soil sample assigned to these plots will now display this warning below.

Warning! Plots with Tillage crops or above the relevant previous years GSR that are without a valid soil sample have been defaulted to P Index 4

9. Insufficient Slurry, FYM and Soiled Water Storage

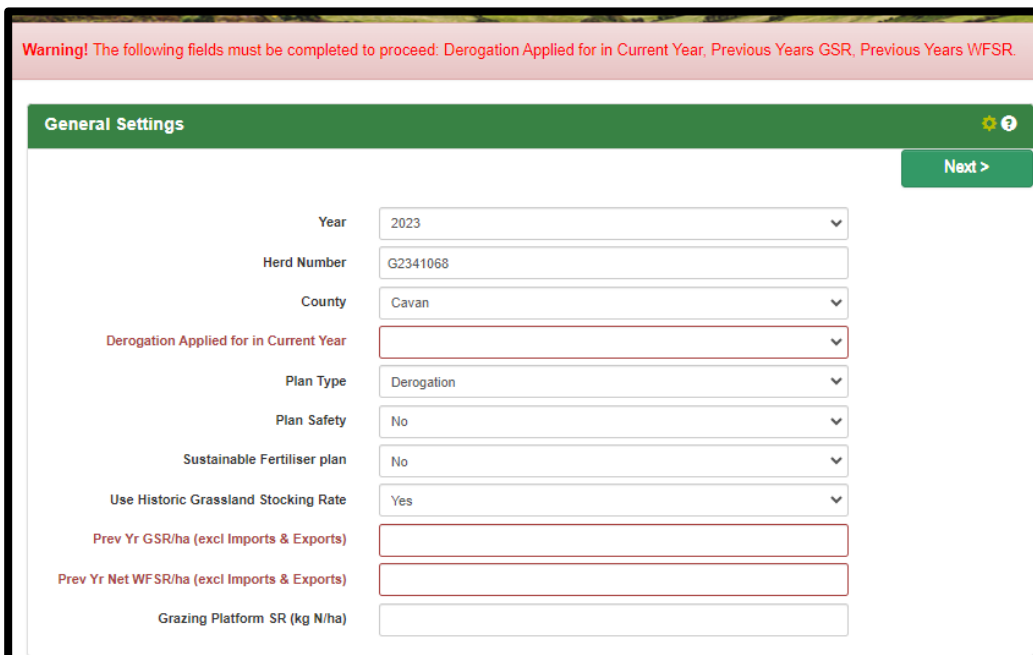
Three new warnings will appear where there is insufficient storage capacity on farms.



10. Copying or creating a new plan and plan setting

There are a number of new sections that appear in plan settings “General Settings” which can be seen in the screen-shot below. All red text and input boxes must be completed before a plan can be copied/created.

- Each plan will have to have the “Derogation applied for in current year” selected from the dropdown (No, Yes, YesYr1 New applicant)
- Doing this will ensure that the correct available N&P allowances from the previous year’s GSR will be included in the Land and Fert Max page.
- If no is elected the plan type defaults to Non-Derogation/Non-Glas
- If either of the Yes options are selected the plan type defaults to Derogation



Previously when creating a new plan or copying a plan the screen for general settings did not have all the items available for selection and this has now been corrected so save users time.

Reminder to all users that this section must be completed for all plans from 2018 onwards as this is what populates the maximum chemical N and P allowed. These figures are kgs/ha and the GSR must

include N from all grazing animals (bovines, ovine and equines); whereas the WFSR include N from all livestock on the holding including intensive enterprises.

Prev Yr GSR/ha (excl Imports & Exports)	<input type="text"/>
Prev Yr Net WFSR/ha (excl Imports & Exports)	<input type="text"/>

11. New dropdown in plan settings Derogation applied for in Current year

Users must select the correct “Derogation applied for in current year” as Yes will use the band from the previous year’s GSR in plan settings to allocate the correct available N&P allowances in the Land and Fert Max page.

Selecting YesYr1 New applicant will use the correct allowances based on this text from Table 12 footnote 2 of <https://www.irishstatutebook.ie/eli/2022/si/393/made/en/print>

²The maximum nitrogen fertilisation of grassland shall not exceed that specified for stocking rates less than or equal to 170 kg/ha/year unless a minimum of 5% of the eligible area of the holding is used to grow crops other than grass or a derogation applies in respect of the holding. Where a derogation applies on the holding derogation rates apply based on stocking rate of the holding. For a new derogation applicant they may apply the derogation rate of 225 kg/ha for the 1st year only and from year 2 onwards must use rates as per stocking rate on the holding.

In the 2023, derogation Terms and Conditions it clearly states the following:-

h) “New Applicant” means those who did not submit an application for a Nitrates Derogation in the preceding three years and also includes those who subsequently withdrew their application. Consideration will be made for changes in legal entity (e.g., individual/partnership/company). Applications rejected will be viewed as derogation applications .

12. Derogation Applied for in Current year

Due to the complexity of the derogation rules listed in the previous bullet point the NMP system will now look at previous years GSR, current years stocking rates, %non-grass (5% rule above) and the 20% rule for derogation “Derogation general condition that you must be farming at least 80% grass).

- The NMP system will then use the Derogation applied for in current year as yes to use the previous year’s GSR to use the correct available N&P allowances from the previous year’s GSR will be included in the Land and Fert Max page.
- Derogation applied for in current year YesYear1 will use the 225 kgs available N and associated P allowances for that band 210-250 – highlighted in the top screen shot above.
- Derogation applied for in current year as no will look at the previous year’s GSR and % non-grass and apply where relevant the second screen shot above.

13. Copying or creating a new plan and plan setting

The update to the general settings tab has removed the “Limit to 170 – yes/No” to reduce complexity for users and to ensure that all NMP’s are calculated correctly. Where this was selected in previous plans as yes this is defaulted to no in the background and the NMP system will now work out the correct available N & P allowances. Selecting derogation in current year as yes or yesYear1 will use the correct available N& P allowances. Where a user selects derogation in current year as no the system will now check the previous year’s GSR if < or > 170, plus it will check the non-grass percentage, if this is < or > 5 percentage and apply the Footnote 2 in Table 12 above.

Plan safety is defaulted to no for all plans; and the user can change to yes if they wish. Plan safety will just give the allowances for the stocking rate bang below that allocated for the previous year’s GSR. As the previous year’s GSR now drives all available N & P allowances there is no need to select plan safety as yes unless the user wants to.

14. Importing Custom animal or custom non-animal manures

Due to the complexity around importing organic manures there is now a note for users that select Custom animal or custom non-animal to help users select the correct manure and these are shown below as they are different.

Add New Manure Import

Manure Type

Note to User

Custom Animal cannot be imported on a derogation holding as derogation holdings cannot import animal manures. This includes Digestate which comes from animal manure feedstock. The N, P and K content must come from certified lab analysis. The availability of nutrients is classified as N: 40%, P: 100% and K:100%. This will impact WFSR.

Add New Manure Import

Manure Type

Note to User

This manure type can be imported onto a derogation holding. ‘Custom Non Animal’ is not a livestock manure and examples include dairy sludge, dairy processing waste and digestate (where the feedstock is not using animal manures). The N, P and K content must come from certified lab analysis. The availability of nutrients is classified as N: 40%, P: 100% and K:100%. Derogation holdings cannot import animal manures.

As part of this development, the availability of these manures is now in line with the table below from the NAP and the availability of these is now all 50% on P index 1 and 2 soils (assuming these are not peat soils).

Article 15

Table 9 Nutrient availability in fertilisers

Fertiliser	Availability (%)		
	Nitrogen	Phosphorus	
		Soil Index 1& 2	Soil Index 3 & 4
Chemical	100	100	100
Pig and poultry manure	50	50	100
Farmyard manure	30	50	100
Spent mushroom compost	20	50	100
Cattle and other livestock manure (including that produced on the holding)	40	50	100

15. Amalgamation of Livestock and Winter Housing pages

Feedback from users is that these two pages need to be combined and now appears in the menu as Livestock No. and Housing and combines the two separate screens into one screen. The new screen allows users to input animal numbers and housing details quicker. There is a section on Average numbers for the year, average numbers over winter. Users can select the animal type “Add Livestock”, which will open the pop-up below and **ALL** red text/cells have to be completed.

Livestock No. & Housing

< Prev Next >

Projected Average Livestock Numbers for this Year
 (This calculates the Current Year Stocking Rates – visible in the Plan Summary)

Livestock Type	Av. No Over Year	Av. No Over Winter	N/head	N Total	P/head	P Total
Suckler cow	40	45	65.0	2,600.0	10.0	400.0
Cattle > 2 years	5	5	65.0	325.0	10.0	50.0
Cattle (1-2 year old)	25	25	57.0	1,425.0	8.0	200.0
Cattle (0-1 year old)	25	24	24.0	600.0	3.0	75.0

Over Wintering/Housing Type

Livestock Type	Av. No Over Winter	No. on Sturry	No. Out-Wintered	No. on FYM	Straw Usage
Cattle (0-6 months old)	-	0	-	-	null
Cattle (6-12 months old)	24	24	0	0	null

Add Livestock No. & Housing

Average Numbers for Year

Livestock Type

Av. No. Over Year

Av. No. Over Winter

Assign Over Wintering/Housing Type for 0 Livestock

No. on Slurry

No. Out-Wintered

No. on FYM

Week storage required

Weeks of Manure Production

Show monthly average calculator

Delete
Save
Save + New
Cancel

As the user populates the cells the red outline appears and there is a countdown that will show users what number of animals are left to be assigned to slurry, out-wintered or on FYM and then the save button becomes active. Test this out on a few existing plans to get comfortable with the feel of this improvement.

Assign Over Wintering/Housing Type for 20 Livestock

No. on Slurry

No. Out-Wintered

No. on FYM

Add Livestock No. & Housing

Average Numbers for Year

Livestock Type	Lowland ewe & lambs ▼
Av. No. Over Year	100
Av. No. Over Winter	80

Assign Over Wintering/Housing Type for 20 Livestock

No. on Slurry	0
No. Out-Wintered	60
No. on FYM	

Week storage required	22
Weeks of Manure Production	

16. Lime page making this better for users and farmers

As soil samples are taken every four years, the lime page in a NMP is updated on a regular basis and new lime requirement means the advised lime needs to be changed for every new sample. When a new soil sample is added to a plot then the lime advice is replaced with the new lime requirement (LR) from the new soil sample. This is now automatically allocated, to years 1 or years 1 and 2 depending on the lime requirement. Samples with a LR of 7.5T/ha or less are to the current year advised lime. Samples with a LR of 7.5T/ha or greater is applied to the current year advised lime and next year’s lime at a rate of 50% to each year. Users can edit these populated suggestions if they wish but this will speed up the liming page and advising farmers to apply lime.

Lime takes time to interact with soil and it is recommended that liming is not done within two years of soil sampling to allow soil pH equilibrium to return.

At the bottom of the lime page is new text that will help users and farmers engage with liming requirements in a more timely manner, with Annual Totals for the farm and the four year total. This will now appear on all reports.

Four Year Total (2023-2026): 112 tonnes	Annual Totals (tonnes):	55	54	3	0
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17. Grazing Platform Stocking rate

As part of the general settings when setting up a plan or when creating a new plan for 2023 years onwards there is an optional cell that the grazing platform SR can be entered. This will appear of reports where the data is entered.

Grazing Platform SR (kg N/ha)	168
-------------------------------	-----

Stocking Rates	
Current Years WFSR	237.00 kg/Ha
Current Years GSR	237.00 kg/Ha
Previous Years GSR	183.00 kg/Ha
Grazing Platform SR	168 kg/Ha

18. Reports to show plan ID

Reports will now show the plan ID so users can locate the correct plan that is used to create a report.

Agent: Tim Hyde Plan ID: 317077 Date Printed: 16/10/2023

19. Crop yield adjustments

Crops that have the text “straw not removed” were included in NMP some time back to take into account the different fertiliser advice for these crops due to the straw being incorporated. The cereal crop yield adjustment; is added now to these crops to take account of the extra allowances for crop yield on available N and P allowances.

Contact the Helpdesk by email or phone

NMPHelpdesk@teagasc.ie

059 917 0296