

# CAFRE Manure Storage Calculator

CAFRE online 'Manure Storage Calculator', available at DAERA online services  
[www.daera-ni.gov.uk/online-services](http://www.daera-ni.gov.uk/online-services)

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## Welcome to DAERA Online Services

Choose a service to access DAERA Online Services

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government services

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## Notices

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1.  
Log in to DAERA Online Services.

# DAERA Online Services

The image shows a grid of service buttons on a DAERA website. The top bar is green and contains a 'My Profile' button with a person icon. Below this are two columns of blue buttons. The 'CAFRE Nutrient Calculators' button in the second column is highlighted with a red border. A green arrow points from a text box on the right to this button.

My Profile	
Income Support Schemes	APHIS Online
Single Application and Maps	Claim Tracker
Environmental Farming Scheme	Field Classification
BovIS	PIG PAC
CAFRE Benchmarking	CAFRE Nutrient Calculators
Payments	BPS Entitlements
Farm Investment Planner	NAP Derogation
Small Woodland Grant Scheme	Seed Potato Labels

2.  
On the home page, select  
CAFRE Nutrient Calculators.

# CAFRE Nutrient Calculators

There are six CAFRE Nutrient Calculators which will help you with the Nitrates Action Programme (NAP) measures on nutrient limits, manure storage requirements and record keeping.

## Nitrogen Loading Calculator

Check if you are below the 170kg N/ha/year limit or if operating under a derogation the 250kg N/ha/year limit

## N Max for Grassland Calculator

Check that nitrogen applications to the whole grassland area on the farm do not exceed the NAP limits

## Crop Nutrient Calculator

Helps you to comply with nutrient limit requirements and draw up a nutrient management plan (NMP) for your farm

## Phosphorus Balance Calculator

Calculate the P balance for your farm and help manage P inputs and outputs to meet the limit

## Manure Storage Calculator

Calculate the weekly slurry, dirty water, manure production and current storage capacity for your farm

## Manure Exports Records

Record and submit annual exported organic manure records to DAERA

3.  
Select 'Manure Storage Calculator'.

This allows you to calculate the weekly slurry, dirty water, manure production and storage capacity for your farm.

# Manure Storage Calculator

To help comply with the Nitrates Action Programme (NAP) nutrient limits, this calculator will estimate the current storage for your farm.

! You have not entered enough data to generate a manure storage figure.

Report year 2021



Manure produced



Dirty water produced



Storage tank size



Report

For further information please refer to the NAP guidance booklets

- [NAP Guidance 2015-2018](#) (PDF 3.9MB)
- [NAP Guidance 2011-2014](#) (PDF 2.3MB)
- [NAP Guidance 2007-2010](#) (PDF 4.4MB)

## 4.

On the Manure Storage Calculator home page, firstly select the 'Report year' from the drop down box in this example it is 2021.

# Manure Storage Calculator

To help comply with the Nitrates Action Programme (NAP) nutrient limits, this calculator will estimate the current storage for your farm.

! You have not entered enough data to generate a manure storage figure.

Report year  What is this for?



Manure produced



Dirty water produced



Storage tank size



Report

For further information please refer to the NAP guidance booklets

- [NAP Guidance 2015-2018](#) (PDF 3.9MB)
- [NAP Guidance 2011-2014](#) (PDF 2.3MB)
- [NAP Guidance 2007-2010](#) (PDF 4.4MB)

5.

Then select 'Manure produced' to begin entering information.

# Manure Storage Calculator

## Livestock Manure Produced

This part of the storage calculator is based on the amount of slurry produced by livestock. If animals are **bedded** or **outwintered**, manure from these animals can be excluded from the calculation provided they meet the storage allowance rules.

### **Slurry producing livestock**

Complete to calculate the volume of slurry produced on the farm.

### **Bedded livestock**

Only complete if you require a storage allowance for bedded livestock.

### **Out-wintered livestock**

Only complete if you require a storage allowance for out-wintered livestock.

### **Slurry exported to processing**

Only complete if slurry is exported to processing over the winter period.

### **Poultry litter production**

Only complete if you have litter produced from poultry.

[Return to main menu](#)

6.

On this page, select any of the sections which are relevant to your farm and input information.



# Manure Storage Calculator

## Livestock Manure Produced

This part of the storage calculator is based on the amount of slurry produced by livestock. If animals are **bedded** or **outwintered**, manure from these animals can be excluded from the calculation provided they meet the storage allowance rules.

### **Slurry producing livestock**

Complete to calculate the volume of slurry produced on the farm.

### **Bedded livestock**

Only complete if you require a storage allowance for bedded livestock.

### **Out-wintered livestock**

Only complete if you require a storage allowance for out-wintered livestock.

### **Slurry exported to processing**

Only complete if slurry is exported to processing over the winter period.

### **Poultry litter production**

Only complete if you have litter produced from poultry.

[Return to main menu](#)



7.

Select 'Slurry producing livestock' to enter information on livestock numbers and calculate the volume of slurry produced on the farm.

# Manure Storage Calculator

## Livestock Slurry Production

Livestock slurry production details

	Slurry produced
 Cattle and Sheep Slurry	0.00 m <sup>3</sup>
 Pigs and Poultry Slurry	0.00 m <sup>3</sup>

[Return to livestock menu](#)

8.

After selecting 'Slurry producing livestock' this page appears. Select the category (or categories) which apply to your farm.

# Manure Storage Calculator

## Cattle and Sheep Slurry Production

Enter the average number of each livestock type kept on the farm during the winter period. Exclude livestock numbers if they meet the out-wintering and/or bedded eligibility for storage allowance.

**Note:** Nitrates Bovine animal counts are available for APHIS online users.

### Cattle Slurry Production

Livestock type <sup>1</sup>	Average number over winter period
Dairy Cow	<input type="text" value="0"/>
Suckler Cow	<input type="text" value="0"/>
Cattle > 2 years	<input type="text" value="0"/>
Cattle 1 - 2 years	<input type="text" value="0"/>
Calves 6 months - 1 year	<input type="text" value="0"/>
Calves 0 - 6 months	<input type="text" value="0"/>

### 9.

If you selected 'Cattle and Sheep' the table for Cattle Slurry Production to enter average number of livestock over the winter period for cattle is located at the top of the page. Here you can enter Dairy and Beef Cattle information.

*Scroll down the page to enter Sheep Slurry Production details.*

## Sheep Slurry Production

Livestock type <sup>1</sup>	Average number over winter period
Ewe/Ram > 1 year	<input type="text" value="0"/>
Lambs 6 months - 1 year	<input type="text" value="0"/>

## Separated Solids from Slurry

Only use if you separate cattle or sheep slurry.

Select the type of slurry separated. Enter the corresponding quantity separated over the winter period and the percentage reduction by separation. The maximum volume reduction allowed is 20%.

Slurry Type	Total Volume of Raw Slurry Separated (m <sup>3</sup> )	Reduction by Separation (max 20%)
Cattle	<input type="text" value="0"/>	20 <input type="button" value="v"/>
Sheep	<input type="text" value="0"/>	20 <input type="button" value="v"/>

<sup>1</sup> The standard figures for slurry produced by animals does not include water for cleaning buildings.

### 10.

Here you will find the Sheep Slurry Production table. Enter average number over the winter period.

At the bottom of the page there is a table to enter information on Separated Solids from slurry, only use this table if you separate cattle or sheep slurry.

**Remember to select 'Save'.**

## Pigs and Poultry Slurry Production

Enter the average number of each livestock type kept on the unit during the winter period. Exclude livestock numbers if they meet the bedded eligibility for storage allowance.

### Pigs Slurry Production

Livestock type <sup>1</sup>	Average number on the unit at any one time
Maiden Gilt (90kg to 130kg)	<input type="text" value="0"/>
1 Sow and Litter to weaning (Includes served Gilts / Dry Sows / Boars)	<input type="text" value="0"/>
1 Weaner (stage 1) (7kg to 18kg)	<input type="text" value="0"/>
1 Grower (stage 2) meal fed - 18kg to 35kg	<input type="text" value="0"/>
1 Finisher (stage 3) meal fed - 35kg to 105kg	<input type="text" value="0"/>
1 Finisher (stage 3) liquid fed - 35kg to 105kg	<input type="text" value="0"/>

### Poultry Slurry Production

Livestock type <sup>1</sup>	Average number on the unit at any one time
1000 Laying Hens	<input type="text" value="0"/>
1000 Ducks	<input type="text" value="0"/>

<sup>1</sup> The standard figures for slurry produced by animals does not include water for cleaning buildings.



**11.**  
If you selected 'Pigs and Poultry'  
Use the relevant table to enter the average number of each livestock type on the unit at any one time.

**Remember to select 'Save'.**

# Manure Storage Calculator

## Livestock Slurry Production

Livestock slurry production details

	Slurry produced
 Cattle and Sheep Slurry	0.00 m <sup>3</sup>
 Pigs and Poultry Slurry	0.00 m <sup>3</sup>

[Return to livestock menu](#)

12.

When all of the required information for this section has been entered, select 'Return to livestock menu'.

# Manure Storage Calculator

## Livestock Manure Produced

This part of the storage calculator is based on the amount of slurry produced by livestock. If animals are **bedded** or **outwintered**, manure from these animals can be excluded from the calculation provided they meet the storage allowance rules.

### Slurry producing livestock

Complete to calculate the volume of slurry produced on the farm.

#### Bedded livestock

Only complete if you require a storage allowance for bedded livestock.

#### Out-wintered livestock

Only complete if you require a storage allowance for out-wintered livestock.

#### Slurry exported to processing

Only complete if slurry is exported to processing over the winter period.

#### Poultry litter production

Only complete if you have litter produced from poultry.

[Return to main menu](#)

**13.**


Select 'Bedded livestock' if you require a storage allowance for bedded livestock.

# Manure Storage Calculator

## Bedded Livestock

Only complete if you require a storage allowance for bedded livestock. Click on the relevant links below to enter the details for your farm.

### Bedded Livestock Details

 [Cattle and Sheep](#)

 [Deer, Goats and Pigs](#)

The quantity of slurry produced by animals housed in bedded accommodation and collected as farmyard manure, for the 22 week period, between 1 January to 28 February and 1 October to 31 December does not need to be taken into account when calculating a farm's slurry storage capacity provided that:

- The bedded accommodation has the appropriate area for the number of stock accommodated;
- The bedded accommodation has adequate effluent collection facilities to prevent water pollution;
- Where the farmyard manure is stored in a midden, there must be adequate effluent collection and storage facilities for the duration of the closed period;
- Where bedded animals have access to a solid or slatted area where slurry is collected, only 50% of the slurry/manure produced by those animals can be allocated to farmyard manure.
- FYM may be stored in a field heap for a maximum of 120 days.
- FYM must not be applied from midnight 31 October to midnight 31 January.

[Return to livestock menu](#)

**14.** Select 'Cattle and Sheep' or 'Deer, Goats and Pigs' to enter storage allowance information for bedded livestock, relevant to the livestock type on your farm.



# Manure Storage Calculator

## Bedded Cattle and Sheep

Enter the average number of livestock to be bedded on the farm over the winter period.

### Cattle

Livestock Type	Average number of bedded livestock over the winter period
Dairy Cow	<input type="text" value="0"/>
Suckler Cow	<input type="text" value="0"/>
Cattle > 2 years	<input type="text" value="0"/>
Cattle 1 - 2 years	<input type="text" value="0"/>
Calves 6 months - 1 year	<input type="text" value="0"/>
Calves 0 - 6 months	<input type="text" value="0"/>

### Sheep

Livestock Type	Average number of bedded livestock over the winter period
Ewe/Ram > 1 year	<input type="text" value="0"/>
Lambs 6 months - 1 year	<input type="text" value="0"/>
Lambs 0 - 6 months	<input type="text" value="0"/>

Save

Cancel

15.

If you selected 'Cattle and Sheep', enter the average number of bedded livestock over the winter period for each livestock type.

**Remember to select 'Save'.**

# Manure Storage Calculator

## Bedded Deer, Goats and Pigs

Enter the average number of livestock to be bedded on the farm over the winter period.

Deer

Livestock Type	Average number of bedded livestock over the winter period
Deer (red) over 2 years	<input type="text" value="0"/>
Deer (red) 6 months - 2 years	<input type="text" value="0"/>
Deer (fallow) over 2 years	<input type="text" value="0"/>
Deer (fallow) 6 months - 2 years	<input type="text" value="0"/>
Deer (sika) over 2 years	<input type="text" value="0"/>
Deer (sika) 6 months - 2 years	<input type="text" value="0"/>

16.

If you selected 'Deer, Goats and Pigs', a table to enter the average number of bedded livestock over the winter period for deer is located at the top of the page.

*Scroll down to find 'Goats and Pigs'.*

## Goats

Livestock Type	Average Number of Bedded Livestock over the Winter Period
Non Milking Goats	<input type="text" value="0"/>
Milking Goats	<input type="text" value="0"/>
Kids 0 - 6 months	<input type="text" value="0"/>
Kids 6 months - 1 year	<input type="text" value="0"/>

## Pigs

Livestock Type	Average Number of Bedded Livestock over the Winter Period
Maiden Gilt (90kg to 130kg)	<input type="text" value="0"/>
1 Sow and Litter to weaning (Includes served Gilts / Dry Sows / Boars)	<input type="text" value="0"/>
1 Weaner (stage 1) (7kg to 18kg)	<input type="text" value="0"/>
1 Grower (stage 2) meal fed - 18kg to 35kg	<input type="text" value="0"/>
1 Finisher (stage 3) meal fed - 35kg to 105kg	<input type="text" value="0"/>
1 Finisher (stage 3) liquid fed - 35kg to 105kg	<input type="text" value="0"/>

Save

Cancel

**17.**

As you scroll down the 'Deer, Goats and Pigs' page you can enter information for each livestock type on the average number of bedded livestock over the winter period.


**Remember to select 'Save'.**

# Manure Storage Calculator

## Bedded Livestock

Only complete if you require a storage allowance for bedded livestock. Click on the relevant links below to enter the details for your farm.

### Bedded Livestock Details

 [Cattle and Sheep](#)

 [Deer, Goats and Pigs](#)

The quantity of slurry produced by animals housed in bedded accommodation and collected as farmyard manure, for the 22 week period, between 1 January to 28 February and 1 October to 31 December does not need to be taken into account when calculating a farm's slurry storage capacity provided that:

- The bedded accommodation has the appropriate area for the number of stock accommodated;
- The bedded accommodation has adequate effluent collection facilities to prevent water pollution;
- Where the farmyard manure is stored in a midden, there must be adequate effluent collection and storage facilities for the duration of the closed period;
- Where bedded animals have access to a solid or slatted area where slurry is collected, only 50% of the slurry/manure produced by those animals can be allocated to farmyard manure.
- FYM may be stored in a field heap for a maximum of 120 days.
- FYM must not be applied from midnight 31 October to midnight 31 January.

[Return to livestock menu](#)

18.  
Select 'Return to livestock menu' when all of the information on bedded livestock has been entered.

# Manure Storage Calculator

## Livestock Manure Produced

This part of the storage calculator is based on the amount of slurry produced by livestock. If animals are **bedded** or **outwintered**, manure from these animals can be excluded from the calculation provided they meet the storage allowance rules.

### Slurry producing livestock

Complete to calculate the volume of slurry produced on the farm.

### Bedded livestock

Only complete if you require a storage allowance for bedded livestock.

### Out-wintered livestock

Only complete if you require a storage allowance for out-wintered livestock.

### Slurry exported to processing

Only complete if slurry is exported to processing over the winter period.

### Poultry litter production

Only complete if you have litter produced from poultry.

[Return to main menu](#)

19.

Select 'Out-wintered livestock' if you require a storage allowance for out-wintered livestock.



# Manure Storage Calculator

## Out-Wintered Livestock


Only complete if you require a storage allowance for out-wintered stock.

Out-wintered Livestock

### Out-Wintered Livestock Details

 Sheep, Deer and Goats	0.00 kg N
 Cattle	0.00 kg N

### Out-Wintered Land Details

 Out-wintered Land Area Details	0.00 ha
--	---------

Stocking rate on out-wintered area: 0.00 kg N/ha

**Please note:**

Manure produced from out-wintered livestock can be excluded when calculating livestock manure storage capacity, provided the limits on the annual stocking rate (based on the nitrogen loading calculation) and the stocking rate on the out-wintered area are not exceeded. Manure from dairy cows cannot be excluded from the livestock manure storage calculation. For the out-wintered stocking rate restrictions, see below.

[Return to livestock menu](#)

20.  
Select 'Sheep, Deer and Goats' or 'Cattle' to enter information about out-wintered livestock.

# Manure Storage Calculator

## Out-wintered Sheep, Deer and Goats

Enter the average number of livestock out-wintered on your farm throughout the out-wintering period.

### Out-wintered Sheep

Livestock Type	Average number of out-wintered livestock over the winter period
Ewe/Ram > 1 year	<input type="text" value="0"/>
Lambs 0 - 1 year	<input type="text" value="0"/>
Lambs 6 months - 1 year	<input type="text" value="0"/>
Lambs 0 - 6 months	<input type="text" value="0"/>

Note: To prevent the same lamb being counted twice use either "0 to 1 year" OR "0 - 6 months" and/or "6 months to 1 year" categories.

21.

If you selected 'Sheep, Deer and Goats' at the top of the page there is a table to enter information on the average number of out-wintered sheep for each livestock type.

*Scroll down to find 'Deer and Goats', also the 'Save' button at the bottom of the page.*

### Out-wintered Deer

Livestock Type	Average number of out-wintered livestock over the winter period
Deer (red) over 2 years	<input type="text" value="0"/>
Deer (red) 6 months - 2 years	<input type="text" value="0"/>
Deer (fallow) over 2 years	<input type="text" value="0"/>
Deer (fallow) 6 months - 2 years	<input type="text" value="0"/>
Deer (sika) over 2 years	<input type="text" value="0"/>
Deer (sika) 6 months - 2 years	<input type="text" value="0"/>

### Out-wintered Goats

Livestock Type	Average number of out-wintered livestock over the winter period
Non Milking Goats	<input type="text" value="0"/>
Milking Goats	<input type="text" value="0"/>
Kids 0 - 1 year	<input type="text" value="0"/>
Kids 6 months - 1 year	<input type="text" value="0"/>
Kids 0 - 6 months	<input type="text" value="0"/>

Note: To prevent the same kid being counted twice use either "0 to 1 year" OR "0 - 6 months" and/or "6 months to 1 year" categories.

Save

Cancel

**22.**

As you scroll down, you can enter information on the average number of livestock out-wintered for each livestock type.

**Remember to select 'Save'.**



# Manure Storage Calculator

## Out-wintered Cattle

Enter the average number of each cattle (excluding dairy cows) out-wintered on your farm throughout the out-wintering period.

### Out-wintered Cattle

Livestock Type	Average number of out-wintered livestock over the winter period
Suckler Cow	<input type="text" value="0"/>
Cattle > 2 years	<input type="text" value="0"/>
Cattle 1 - 2 years	<input type="text" value="0"/>
Cattle 0 - 1 year	<input type="text" value="0"/>
Calves 6 months - 1 year	<input type="text" value="0"/>
Calves 0 - 6 months	<input type="text" value="0"/>

Note: To prevent the same calf being counted twice use either "0 to 1 year" OR "0 - 6 months" and/or "6 months to 1 year" categories.

Save

Cancel

**23.**

If you selected 'Cattle', enter information for each livestock type on the average number of out-wintered livestock over the winter period.

**Remember to select 'Save'.**



# Manure Storage Calculator

## Out-Wintered Livestock


Only complete if you require a storage allowance for out-wintered stock.

Out-wintered Livestock

### Out-Wintered Livestock Details

 Sheep, Deer and Goats	0.00 kg N
 Cattle	0.00 kg N

### Out-Wintered Land Details

 Out-wintered Land Area Details	0.00 ha
--	---------

Stocking rate on out-wintered area: 0.00 kg N/ha

**Please note:**

Manure produced from out-wintered livestock can be excluded when calculating livestock manure storage capacity, provided the limits on the annual stocking rate (based on the nitrogen loading calculation) and the stocking rate on the out-wintered area are not exceeded. Manure from dairy cows cannot be excluded from the livestock manure storage calculation. For the out-wintered stocking rate restrictions, see below.

[Return to livestock menu](#)

24.

Select 'Out-wintered Land Area Details' to enter information on the land where livestock are out-wintered.

# Manure Storage Calculator

## Out-wintered Land Area

Enter the details of eligible land to be used for out-wintering.

Out-wintered Land

Out-wintered land (ha)

Save

Cancel

25.

After selecting 'Out-wintered Land Area Details', enter the area of eligible land to be used for out-wintering in hectares.

**Remember to select 'save'.**

# Manure Storage Calculator



## Out-Wintered Livestock

Only complete if you require a storage allowance for out-wintered stock.


Out-wintered Livestock

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### Out-Wintered Livestock Details

 Sheep, Deer and Goats	0.00 kg N
 Cattle	0.00 kg N

### Out-Wintered Land Details

 Out-wintered Land Area Details	0.00 ha
--	---------

Stocking rate on out-wintered area: 0.00 kg N/ha

**Please note:**

Manure produced from out-wintered livestock can be excluded when calculating livestock manure storage capacity, provided the limits on the annual stocking rate (based on the nitrogen loading calculation) and the stocking rate on the out-wintered area are not exceeded. Manure from dairy cows cannot be excluded from the livestock manure storage calculation. For the out-wintered stocking rate restrictions, see below.

[Return to livestock menu](#)

26.

When all of the information has been entered about out-wintered livestock, select 'Return to livestock menu'.

# Manure Storage Calculator

## Livestock Manure Produced

This part of the storage calculator is based on the amount of slurry produced by livestock. If animals are **bedded** or **outwintered**, manure from these animals can be excluded from the calculation provided they meet the storage allowance rules.

### Slurry producing livestock

Complete to calculate the volume of slurry produced on the farm.

### Bedded livestock

Only complete if you require a storage allowance for bedded livestock.

### Out-wintered livestock

Only complete if you require a storage allowance for out-wintered livestock.

### Slurry exported to processing

Only complete if slurry is exported to processing over the winter period.

### Poultry litter production

Only complete if you have litter produced from poultry.

[Return to main menu](#)

27.

Select 'Slurry exported to processing' if slurry is exported to processing over the winter period.

# Manure Storage Calculator

## Slurry Exported to Processing

Enter the volume of slurry produced and exported to processing over the winter period.

Slurry Exported

Slurry Type	Volume Exported (m <sup>3</sup> )
Cattle Slurry	<input type="text" value="0"/>
Sheep Slurry	<input type="text" value="0"/>
Pigs Slurry	<input type="text" value="0"/>
Poultry Slurry	<input type="text" value="0"/>

Save

Cancel

28.

Enter the volume of slurry exported (in m<sup>3</sup>) for each relevant livestock type.

**Remember to select 'Save'.**

# Manure Storage Calculator

## Livestock Manure Produced

This part of the storage calculator is based on the amount of slurry produced by livestock. If animals are **bedded** or **outwintered**, manure from these animals can be excluded from the calculation provided they meet the storage allowance rules.

### **Slurry producing livestock**

Complete to calculate the volume of slurry produced on the farm.

### **Bedded livestock**

Only complete if you require a storage allowance for bedded livestock.

### **Out-wintered livestock**

Only complete if you require a storage allowance for out-wintered livestock.

### **Slurry exported to processing**

Only complete if slurry is exported to processing over the winter period.

### **Poultry litter production**

Only complete if you have litter produced from poultry.

[Return to main menu](#)

29.

Select 'Poultry litter production' if you have litter produced from poultry.

# Manure Storage Calculator


## Poultry Litter Production and Storage

Only complete if you produce poultry litter on the farm. Click on the relevant links to enter the details for your farm.


### Poultry Litter Production

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#### Poultry Litter Production (per week)

 Poultry Litter Produced	0.0 tonnes
---	------------

#### Exported Poultry Litter (per week)

 Poultry Litter Exported to Processing	0.0 tonnes
---	------------

---

Total poultry litter requiring storage (per week)	0.0 tonnes
---	------------

30.

Select 'Poultry litter produced' to enter information about the volume of poultry litter produced per week.



# Manure Storage Calculator

## Poultry Litter Production

Enter the number of birds on the unit at any one time.

### Poultry Litter

Livestock type	Average number of birds on the unit <sup>1</sup>
1000 Broilers & litter	<input type="text" value="0"/>
1000 Broiler breeders	<input type="text" value="0"/>
1000 Replacement pullets	<input type="text" value="0"/>
1000 Turkeys (male) & litter	<input type="text" value="0"/>
1000 Turkeys (female) & litter	<input type="text" value="0"/>
1000 Ducks	<input type="text" value="0"/>

<sup>1</sup> Do not include poultry on a slurry system.

Save

Cancel

**31.**

Enter the average number of birds on the unit for each relevant livestock type.  
**Remember to select 'Save'.**

# Manure Storage Calculator


## Poultry Litter Production and Storage

Only complete if you produce poultry litter on the farm. Click on the relevant links to enter the details for your farm.


### Poultry Litter Production

---

#### Poultry Litter Production (per week)

 Poultry Litter Produced	0.0 tonnes
---	------------

#### Exported Poultry Litter (per week)

 Poultry Litter Exported to Processing	0.0 tonnes
---	------------

Total poultry litter requiring storage (per week)	0.0 tonnes
---	------------

32.

Select 'Poultry litter exported to processing' to enter information about the volume of poultry litter exported to processing per week.

# Manure Storage Calculator

## Poultry litter exported to processing

Select poultry litter type and enter the quantity of litter exported to processing over the winter period.

### Poultry Litter Exported

Poultry Litter Type	Quantity (tonnes)
Broilers & litter	<input type="text" value="0"/>
Broiler breeders	<input type="text" value="0"/>
Replacement pullets	<input type="text" value="0"/>
Turkeys (male) & litter	<input type="text" value="0"/>
Turkeys (female) & litter	<input type="text" value="0"/>
Ducks	<input type="text" value="0"/>

Save

Cancel

33.

Enter the quantity (in tonnes) of poultry litter exported for each relevant livestock type.  
**Remember to select 'Save'.**


# Manure Storage Calculator

## Poultry Litter Production and Storage


Only complete of you produce poultry litter on the farm. Click on the relevant links to enter the details for your farm.

### Poultry Litter Production

#### Poultry Litter Production (per week)

 Poultry Litter Produced	0.0 tonnes
---	------------

#### Exported Poultry Litter (per week)

 Poultry Litter Exported to Processing	0.0 tonnes
---	------------

Total poultry litter requiring storage (per week)	0.0 tonnes
---	------------

### Storage

Poultry litter may be stored in:

- Middens with adequate effluent collection facilities.
- Field heaps for a maximum of 120 days in the field were it is to be applied and the heap must be covered with an impermeable membrane as soon as possible and within 24 hours of placement in the field.
- Field storage of poultry litter must be notified to and authorised by NIEA. Contact NIEA on 02892623188.

Where poultry litter is stored in a midden adequate storage facilities with effluent collection must be provided prior to field storage. If the effluent containment facilities are new, or substantially enlarged or substantially reconstructed (after 1 December 2003), they must comply with construction standards and other requirements specified in the NAP regulations.

[Return to livestock menu](#)

34.

When all of the information has been entered, select 'Return to livestock menu'.

# Manure Storage Calculator

## Livestock Manure Produced

This part of the storage calculator is based on the amount of slurry produced by livestock. If animals are **bedded** or **outwintered**, manure from these animals can be excluded from the calculation provided they meet the storage allowance rules.

### **Slurry producing livestock**

Complete to calculate the volume of slurry produced on the farm.

### **Bedded livestock**

Only complete if you require a storage allowance for bedded livestock.

### **Out-wintered livestock**

Only complete if you require a storage allowance for out-wintered livestock.

### **Slurry exported to processing**

Only complete if slurry is exported to processing over the winter period.

### **Poultry litter production**

Only complete if you have litter produced from poultry.


[Return to main menu](#)

35.

When all of the information has been entered, select 'Return to main menu'.

# Manure Storage Calculator

To help comply with the Nitrates Action Programme (NAP) nutrient limits, this calculator will estimate the current storage for your farm.

 You have not entered enough data to generate a manure storage figure.

Report year



Manure produced



Dirty water produced



Storage tank size



Report

For further information please refer to the NAP guidance booklets

- [NAP Guidance 2015-2018](#)  (PDF 3.9MB)
- [NAP Guidance 2011-2014](#)  (PDF 2.3MB)
- [NAP Guidance 2007-2010](#)  (PDF 4.4MB)

36.

Next select 'Dirty water produced' to enter information regarding the quantity and type of dirty water produced.

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
<input type="checkbox"/> Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<input type="checkbox"/> Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<input type="checkbox"/> Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<input type="checkbox"/> Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<input type="checkbox"/> Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<input type="checkbox"/> Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Dirty Water (per week):</b>	<b>0.00 m<sup>3</sup></b>	<b>0.00 m<sup>3</sup></b>

[Return to main menu](#)

37.







At this stage, select each of the sections which apply to enter information about dirty water produced.

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
Total Dirty Water (per week):	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

[Return to main menu](#)

38.

To enter information about rainfall on unroofed yards where slurry is produced, select 'Rainfall Falling on Unroofed Yards where Slurry is Produced'.



# Manure Storage Calculator

## Rainfall falling on unroofed yards where slurry is produced

Use the table below to record the details of rainfall falling on unroofed yards where slurry is produced. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
<input type="text"/>	<input type="text" value="Cattle and Sheep"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add record"/>

Note: Do not include details where

- Some or all clean water is going to the storm water system and is not using slurry system.
- Some or all dirty water is stored separately and is not using slurry storage.

[Return to main menu](#)

### 39.

- Enter a 'Description' – e.g. 'Yard where cows cross'. This can be unique to each area.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter Length and Breadth in metres.
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Rainfall falling on unroofed yards where slurry is produced

Use the table below to record the details of rainfall falling on unroofed yards where slurry is produced. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
Yard where cows cross	Cattle and Sheep	10	4	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="▼"/>	<input type="text"/>	<input type="text"/>	<a href="#">Add record</a>

Note: Do not include details where

- Some or all clean water is going to the storm water system and is not using slurry system.
- Some or all dirty water is stored separately and is not using slurry storage.

[Return to main menu](#)

### 40.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.







When all the information has been entered, select 'Return to main menu'.

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
Total Dirty Water (per week):	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

[Return to main menu](#)

### 41.

To enter information about rainfall entering unroofed rectangular tanks, middens and earth bank lagoons, select 'Rainfall Entering Unroofed Rectangular Tanks, Middens and Earth Bank Lagoons'.

# Manure Storage Calculator

## Rainfall entering unroofed rectangular tanks, middens and earth bank lagoons

Use the table below to record the details of rainfall entering unroofed rectangular tanks, middens and earth bank lagoons. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
<input type="text"/>	<input type="text" value="Cattle and Sheep"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add record"/>

- Cattle and Sheep
- Pigs and Poultry

### 42.

- Enter a 'Description' – e.g. 'Lagoon'. This can be unique to each area.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter Length and Breadth in metres.
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Rainfall entering unroofed rectangular tanks, middens and earth bank lagoons

Use the table below to record the details of rainfall entering unroofed rectangular tanks, middens and earth bank lagoons. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
Lagoon	Cattle and Sheep	33	14	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="v"/>	<input type="text"/>	<input type="text"/>	<a href="#">Add record</a>

[Return to main menu](#)

43.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.

When all the information has been entered, select 'Return to main menu'.

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
Total Dirty Water (per week):	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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### 44.

To enter information about rainfall entering unroofed above Ground Circular Stores, select 'Rainfall Entering Unroofed above Ground Circular Stores'.

# Manure Storage Calculator

## Rainfall entering unroofed above ground circular stores

Use the table below to record the details of rainfall entering unroofed above ground circular stores. Enter a description, slurry type and radius then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Radius (m)	
<input type="text"/>	<input type="text" value="Cattle and Sheep"/> Cattle and Sheep Pigs and Poultry	<input type="text"/>	<input type="button" value="Add record"/>

#### 45.

- Enter a 'Description' – e.g. 'Circular tank'. This can be unique to each area.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter tank Radius in metres – Radius is measured from the centre point to the internal wall of the circular tank
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Rainfall entering unroofed above ground circular stores

Use the table below to record the details of rainfall entering unroofed above ground circular stores. Enter a description, slurry type and radius then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Radius (m)	
Circular tank	Cattle and Sheep	7	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="v"/>	<input type="text"/>	<a href="#">Add record</a>

[Return to main menu](#)

46.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.

When all the information has been entered, select 'Return to main menu'.









# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
Total Dirty Water (per week):	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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### 47.

To enter information about water from clean yards and roofs entering tanks, select 'Water from Clean Yards and Roofs Entering Tanks'.

# Manure Storage Calculator

## Water from cleans yards and roofs entering tanks

Use the table below to record the details of water from cleans yards and roofs entering tanks. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
<input type="text"/>	<input type="text" value="Cattle and Sheep"/> Cattle and Sheep Pigs and Poultry	<input type="text"/>	<input type="text"/>	<input type="button" value="Add record"/>

#### 48.

- Enter a 'Description' – e.g. 'Park Yard'. This can be unique to each area.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter Length and Breadth in metres.
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Water from cleans yards and roofs entering tanks

Use the table below to record the details of water from cleans yards and roofs entering tanks. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
Park Yard	Cattle and Sheep	12	9	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="v"/>	<input type="text"/>	<input type="text"/>	<a href="#">Add record</a>

[Return to main menu](#)

49.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.

When all the information has been entered, select 'Return to main menu'.

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Dirty Water (per week):</b>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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### 50.

To enter information about Surface Run-off from Open Silos and Other Yard Water, select 'Other Yard Water, Surface Run-off from Open Silos'.

# Manure Storage Calculator

## Other yard water, surface run-off from open silos and washings

Use the table below to record the details of other yard water, surface run-off from open silos and washings. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
<input type="text"/>	<input type="text" value="Cattle and Sheep"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add record"/>

- Cattle and Sheep
- Pigs and Poultry

### 51.

- Enter a 'Description' – e.g. 'Open Silo'. This can be unique to each area.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter Length and Breadth in metres.
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Other yard water, surface run-off from open silos and washings

Use the table below to record the details of other yard water, surface run-off from open silos and washings. Enter a description, slurry type, length and breadth, then click the corresponding 'Add Record' button.

### Dirty Water Production

Description	Slurry Type	Length (m)	Breadth (m)	
Open Silo	Cattle and Sheep	18	30	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="Cattle and Sheep"/>	<input type="text"/>	<input type="text"/>	<a href="#">Add record</a>

[Return to main menu](#)

### 52.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.

When all the information has been entered, select 'Return to main menu'.

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
Total Dirty Water (per week):	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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53. To enter information about Dairy Parlour and Building Washings, select 'Dairy Parlour and Building Washings'.

# Manure Storage Calculator

## Dairy Parlour / Building Washings

Enter the details of your dairy parlour / building washings in the table below then click 'save' to return to the main menu.

Dirty Water Production

### Dairy Parlour Washings <sup>1</sup>

Number of cows

Quantity (m<sup>3</sup>):

#### 54.

Dairy Parlour Washings;

- Enter the number of Cows.
- The Quantity (m<sup>3</sup>) is a standard figure, this can be changed if usage is different. Different figures can be calculated by using the help box at the bottom of the page.



## Building Washings - Poultry <sup>2</sup>

Number of batches in 26 weeks:

Average floor area of buildings (m<sup>2</sup>):

Volume of water used (m<sup>3</sup>):

### 55.

#### Building Washings - Poultry;

- Enter the number of batches in 26 weeks.
- Enter the average floor area of the building in m<sup>2</sup>.
- The volume of water used (m<sup>3</sup>) is a standard figure, this can be changed if usage is different. Different figures can be calculated by using the help box at the bottom of the page.

### Building Washings - Pigs <sup>3</sup>

Number of pigs moved out of pens per week:

Volume of water used (m<sup>3</sup>):

### Building Washings - Cattle <sup>4</sup>

Actual volume of water used (m<sup>3</sup>) per week:

### Building Washings - Sheep <sup>4</sup>

Actual volume of water used (m<sup>3</sup>) per week:

## 56.

### Building Washings - Pigs;

- Enter the number of pigs moved out of pens per week.
- The volume of water used (m<sup>3</sup>) is a standard figure, this can be changed if usage is different. Different figures can be calculated by using the help box at the bottom of the page.

### Building Washings – Cattle

- Enter the actual volume of water used per week in m<sup>3</sup>.

### Building Washings – Sheep

- Enter the actual volume of water used per week in m<sup>3</sup>.

1. For quantity of Dairy parlour washings use 0.13 m<sup>3</sup> per cow per week and if your milking plant is significantly different use the actual amount.
2. For poultry house washings use 0.007m<sup>3</sup> (6.8 litres) per m<sup>2</sup> per batch. Enter the total no. of batches per 26 week period and the average floor area of the buildings used. If your washing system is significantly different use your own actual figures.
3. For pig house washings use 0.002 m<sup>3</sup> (1.8 litres) per pig moved out of pens. Enter the total no. of pigs moved out of pens per week. If your washing system is significantly different use your own actual figures.
4. For cattle and sheep house washings use your own actual figures for the weekly amount of water used for washing.

Note: Do not include details where:

- Some or all clean water is going to the storm water system and is not using slurry system.
- Some or all dirty water is stored separately and is not using slurry storage.

Save

Cancel

57.

The help box is located at the bottom of the page. This can be used to calculate any changes in the volume of washings.







**Remember to select 'Save'.**

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Dirty Water (per week):</b>	<b>0.00 m<sup>3</sup></b>	<b>0.00 m<sup>3</sup></b>

[Return to main menu](#)







58. When all of the information has been entered, the figures in the table will change to display the quantity of dirty water produced each week.

# Manure Storage Calculator

## Dirty Water Produced

This part of the storage capacity calculator takes account of the amount of dirty water produced in the yard from the following sources.

### Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
 Rainfall Falling on Unroofed Yards where Slurry is Produced	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Rainfall Entering Unroofed above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Other Yard Water, Surface Run-off from Open Silos	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Dairy Parlour and Building Washings	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Dirty Water (per week):</b>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

[Return to main menu](#)

59.  
When all information has been entered, select 'Return to main menu'.

# Manure Storage Calculator

To help comply with the Nitrates Action Programme (NAP) nutrient limits, this calculator will estimate the current storage for your farm.

 You have not entered enough data to generate a manure storage figure.

Report year   What is this for?



Manure produced



Dirty water produced






Storage tank size



Report

For further information please refer to the NAP guidance booklets

- [NAP Guidance 2015-2018](#)  (PDF 3.9MB)
- [NAP Guidance 2011-2014](#)  (PDF 2.3MB)
- [NAP Guidance 2007-2010](#)  (PDF 4.4MB)

60.

Next select 'Storage tank size'.

**Internal measurement of tanks are required to provide accurate results.**




**\*REMEMBER TO SAFELY MEASURE TANKS AND NEVER TAKE RISKS WITH SLURRY\***

# Manure Storage Calculator

## Slurry Storage Capacity

This part of the slurry storage capacity calculator is used to calculate the size of tanks on your farm.

### Slurry Tank Details

Tank Type	Cattle and Sheep Tank(s)	Pigs and Poultry Tank(s)
 Rectangular Tanks and Concrete Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Slurry Storage Capacity:</b>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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61.




Select each of 'Tank Type' which applies to enter information on tank dimensions.

# Manure Storage Calculator

## Slurry Storage Capacity

This part of the slurry storage capacity calculator is used to calculate the size of tanks on your farm.

### Slurry Tank Details

Tank Type	Cattle and Sheep Tank(s)	Pigs and Poultry Tank(s)
 Rectangular Tanks and Concrete Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Slurry Storage Capacity:</b>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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62.

Select 'Rectangular Tanks and Concrete Lagoons' to enter information on tank dimensions.



# Manure Storage Calculator

## Slurry Storage Capacity - Rectangular Tanks and Concrete Lagoons

Use the table below to record the details of your rectangular tanks and concrete lagoons. Enter a description, slurry type, length, breadth and depth, then click the corresponding 'Add Record' button.

### Rectangular Tanks and Concrete Lagoons

Description	Slurry Type	Length (m)	Breadth (m)	Adjusted Depth (m) (Depth - Freeboard <sup>1</sup> )	
<input type="text"/>	<input type="text" value="Cattle and Sheep"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add tank"/>

<sup>1</sup> The mandatory freeboard allowance is 500mm for earth bank lagoons and 300mm for all other slurry stores. This is not a legal requirement for facilities completed before 1 December 2003 (unless they have been subsequently upgraded).

[Return to Slurry Tank menu](#)

### 63.

- Enter a 'Description' – e.g. 'Dry Cow House'. This can be unique to each tank.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter Length and Breadth in metres.
- Enter the Adjusted Depth in metres (Total Depth minus Freeboard).
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Slurry Storage Capacity - Rectangular Tanks and Concrete Lagoons

Use the table below to record the details of your rectangular tanks and concrete lagoons. Enter a description, slurry type, length, breadth and depth, then click the corresponding 'Add Record' button.

### Rectangular Tanks and Concrete Lagoons

Description	Slurry Type	Length (m)	Breadth (m)	Adjusted Depth (m) (Depth - Freeboard <sup>1</sup> )	
Dry Cow House	Cattle and Sheep	18.7	8.5	2.4	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<a href="#">Add tank</a>

<sup>1</sup> The mandatory freeboard allowances are at least 750mm for earth bank lagoons and 300mm for all other slurry stores. This is not a legal requirement for facilities completed before 1 December 2003 (unless they have been substantially modified).

[Return to Slurry Tank menu](#)

### 64.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.




When all the information has been entered, select 'Return to Slurry Tank menu'.

# Manure Storage Calculator

## Slurry Storage Capacity

This part of the slurry storage capacity calculator is used to calculate the size of tanks on your farm.

### Slurry Tank Details

Tank Type	Cattle and Sheep Tank(s)	Pigs and Poultry Tank(s)
 Rectangular Tanks and Concrete Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Slurry Storage Capacity:</b>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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65.

Select each of 'Earth Bank Lagoons' to enter information on tank dimensions.

# Manure Storage Calculator

## Slurry Storage Capacity - Earth Bank Lagoons

Use the table below to record the details of your earth bank lagoons. Enter a description, slurry type, length, breadth and depth, then click the corresponding 'Add Record' button.

### Earth Bank Lagoons

Description	Slurry Type	Length (m)	Breadth (m)	Adjusted Depth (m) (Depth - Freeboard <sup>1</sup> )	
<input type="text"/>	<input type="text" value="Cattle and Sheep Pigs and Poultry"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add tank"/>

<sup>1</sup> The mandatory freeboard allowance is 500mm for earth bank lagoons and 300mm for all other slurry stores. This is not a legal requirement for facilities completed before 1 December 2003 (unless they have been subsequently upgraded).

[Return to Slurry Tank menu](#)

### 66.

- Enter a 'Description' – e.g. 'Lagoon'. This can be unique to each tank.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter Length and Breadth in metres.
- Enter the Adjusted Depth in metres (Total Depth minus Freeboard).
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Slurry Storage Capacity - Earth Bank Lagoons

Use the table below to record the details of your earth bank lagoons. Enter a description, slurry type, length, breadth and depth, then click the corresponding 'Add Record' button.

### Earth Bank Lagoons

Description	Slurry Type	Length (m)	Breadth (m)	Adjusted Depth (m) (Depth - Freeboard <sup>1</sup> )	
Lagoon	Cattle and Sheep	33	14	1.9	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="▼"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<a href="#">Add tank</a>

<sup>1</sup> The mandatory freeboard allowances are at least 750mm for earth bank lagoons and 300mm for all other slurry stores. This is not a legal requirement for facilities completed before 1 December 2003 (unless they have been substantially modified).

[Return to Slurry Tank menu](#)

### 67.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.




When all the information has been entered, select 'Return to Slurry Tank menu'.

# Manure Storage Calculator

## Slurry Storage Capacity

This part of the slurry storage capacity calculator is used to calculate the size of tanks on your farm.

### Slurry Tank Details

Tank Type	Cattle and Sheep Tank(s)	Pigs and Poultry Tank(s)
 Rectangular Tanks and Concrete Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Slurry Storage Capacity:</b>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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68.

Select each of 'Above Ground Circular Stores' to enter information on tank dimensions.

# Manure Storage Calculator

## Slurry Storage Capacity - Above Ground Circular Stores

Use the table below to record the details of your above ground circular stores. Enter a description, slurry type, radius and depth, then click the corresponding 'Add Record' button.

### Above Ground Circular Stores

Description	Slurry Type	Radius (m)	Adjusted Depth (m) (Depth - Freeboard <sup>1</sup> )	
<input type="text"/>	<input type="text" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add tank"/>

<sup>1</sup> The mandatory freeboard allowances are at least 750mm for earth bank lagoons and 300mm for all other slurry stores. This is not a legal requirement for facilities completed before 1 December 2003 (unless they have been substantially modified).

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### 69.

- Enter a 'Description' – e.g. 'Circular Store'. This can be unique to each tank.
- Select 'Slurry Type' from the drop down box. Either 'Cattle and Sheep' or 'Pigs and Poultry'.
- Enter the radius in metres.
- Enter the Adjusted Depth in metres (Total Depth minus Freeboard).
- **Select 'Add record' to save the entry.**
- You can add as many entries as necessary.

# Manure Storage Calculator

## Slurry Storage Capacity - Above Ground Circular Stores

Use the table below to record the details of your above ground circular stores. Enter a description, slurry type, radius and depth, then click the corresponding 'Add Record' button.

### Above Ground Circular Stores

Description	Slurry Type	Radius (m)	Adjusted Depth (m) (Depth - Freeboard <sup>1</sup> )	
Circular tank	Cattle and Sheep	7	5.2	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="text"/>	<input type="text" value="v"/>	<input type="text"/>	<input type="text"/>	<a href="#">Add tank</a>

<sup>1</sup> The mandatory freeboard allowances are at least 750mm for earth bank lagoons and 300mm for all other slurry stores. This is not a legal requirement for facilities completed before 1 December 2003 (unless they have been substantially modified).

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### 70.

If you need to change the details of an entry, select 'Edit'.

If you need to delete an entry, select 'Delete'.

When all the information has been entered, select 'Return to main menu'.






# Manure Storage Calculator

## Slurry Storage Capacity

This part of the slurry storage capacity calculator is used to calculate the size of tanks on your farm.

### Slurry Tank Details

Tank Type	Cattle and Sheep Tank(s)	Pigs and Poultry Tank(s)
 Rectangular Tanks and Concrete Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Earth Bank Lagoons	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
 Above Ground Circular Stores	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Slurry Storage Capacity:</b>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

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71.

The figures in the table will display the slurry storage capacity in m<sup>3</sup>.

**When all of the information has been entered, select 'Return to main menu'.**

# Manure Storage Calculator

To help comply with the Nitrates Action Programme (NAP) nutrient limits, this calculator will estimate the current storage for your farm.

ⓘ You have not entered enough data to generate a manure storage figure.

Report year



Manure produced



Dirty water produced



Storage tank size



Report

For further information please refer to the NAP guidance booklets

- [NAP Guidance 2015-2018](#) (PDF 3.9MB)
- [NAP Guidance 2011-2014](#) (PDF 2.3MB)
- [NAP Guidance 2007-2010](#) (PDF 4.4MB)

72.

Now select 'Report' to view or download the report showing all of the details entered.

# Manure Storage Calculator

## Report

The following table details the number of weeks storage capacity on your farm based on the information you have entered.

	Cattle and sheep	Pigs and poultry
Weeks storage	25.80 weeks	0 weeks
Weeks required	22	26
Additional storage required	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>

If you have insufficient weeks storage capacity on your farm reducing stock numbers, increasing tank capacity or availing of storage allowances (out-wintering, bedded accommodation, slurry separation and export to processing) will help increase storage.

73.

The beginning of the report details the number of weeks storage available, number of weeks required and, if there is any additional storage required it will be highlighted at this point.

# Livestock Summary

## Cattle Livestock Summary

Livestock type	Out-wintered system	Bedded system	Slurry system	Total
Dairy Cow	-	0.00	110.00	110.00
Suckler Cow	0.00	0.00	0.00	0.00
Cattle > 2 years	0.00	0.00	6.00	6.00
Cattle 1 - 2 years	0.00	0.00	32.00	32.00
Cattle 0 - 1 year	0.00	-	-	0.00
Calves 6 months - 1 year	0.00	0.00	30.00	30.00
Calves 0 - 6 months	0.00	0.00	0.00	0.00

74.

The report then goes on to show a Livestock Summary, this will show the average numbers of various livestock types entered on each system.

## Livestock Slurry Production Details

	Slurry produced
Cattle and Sheep Slurry	50.54 m <sup>3</sup>
Pigs and Poultry Slurry	0.00 m <sup>3</sup>

## Dirty Water Production Details

Dirty Water Type	Cattle and Sheep	Pigs and Poultry
Rainfall Falling on Unroofed Yards where Slurry is Produced	1.00 m <sup>3</sup>	0.00 m <sup>3</sup>
Rainfall Entering Unroofed Rectangular Tanks, Middens & Earth Bank Lagoons	11.55 m <sup>3</sup>	0.00 m <sup>3</sup>
Rainfall Entering Unroofed above Ground Circular Stores	3.85 m <sup>3</sup>	0.00 m <sup>3</sup>
Water from Cleans Yards and Roofs Entering Tanks	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>
Other Yard Water, Surface Run-off from Open Silos	26.25 m <sup>3</sup>	0.00 m <sup>3</sup>
Dairy Parlour and Building Washings	14.30 m <sup>3</sup>	0.00 m <sup>3</sup>
Total Dirty Water (per week):	56.95 m <sup>3</sup>	0.00 m <sup>3</sup>

75.

The report also shows Livestock Slurry Production and Dirty Water Production Details.

## Slurry Tank Details

Tank Type	Cattle and Sheep Tank(s)	Pigs and Poultry Tank(s)
Rectangular Tanks and Concrete Lagoons	1095.05 m <sup>3</sup>	0.00 m <sup>3</sup>
Earth Bank Lagoons	877.80 m <sup>3</sup>	0.00 m <sup>3</sup>
Above Ground Circular Stores	800.48 m <sup>3</sup>	0.00 m <sup>3</sup>
<b>Total Slurry Storage Capacity:</b>	<b>2773.33 m<sup>3</sup></b>	<b>0.00 m<sup>3</sup></b>

Report Generated: 27/10/2021

### 76.

Finally, the report shows the Slurry Tank Details.

This report can be useful as it identifies the various sources of water entering slurry tanks, details dirty water production and storage tanks capacity. It can be used to make decisions to minimise clean water entering slurry stores, and assist with management decisions.