

### MANURE MANAGEMENT PLAN

A Manure Management Plan must be kept and followed when applying manures and/or slurries to land. Where land falls in an NVZ, a completed and more detailed plan should already be in place and will meet the scheme requirements.

The scheme recommends the use of the Tried and Tested website ([www.nutrientmanagement.org](http://www.nutrientmanagement.org)) for resources, templates and in the development of your Manure Management Plan.

#### As a minimum, all holdings must have a Manure Management Plan that:

- includes a farm map identifying **where** and **when** manure can/ cannot be applied. The map must show the areas stated in table A – and it is recommended that colour coding is used
- includes calculations of the Total Area Required to apply the manure/ slurry produced without exceeding a total nitrogen application rate of 250kg/ha/year (or less as required by legislation). Use the following calculation and the hectares needed by stock unit in Table B:
  - Number of stock units (by stock type) x months housed x Ha needed by stock unit = Total Area Required
  - E.g. 75 cows (650kg) x 6months x 0.039 = 17.55 ha required

If the map and calculations prove you have a Total Spreadable Area greater than the Total Area Required, the plan is complete. If the Total Spreadable Area is less than the Total Area Required, a more detailed plan or an alternative action is necessary.

**Table A**

Area	Area includes, but is not limited to:
<b>Non-spreading areas</b>	Fields where manure would not normally be spread; non-farmed woodlands or fields too far away from farm buildings
<b>Water</b>	Any ditches, watercourses and ponds, springs, wells and boreholes used for drinking water or farm dairies
<b>Do not spread areas</b>	Areas where manure should not be spread. At least 10m either side of ditches and watercourses, 50m around springs, wells and boreholes, steep slopes with a high risk of run-off, Environmentally Sensitive Areas, Sites of Specific Scientific Interest
<b>High risk areas</b>	Fields next to a watercourse, spring or borehole with soil at field capacity with moderate slope or slowly permeable soil; where soil depth over fissured rock is less than 30cm; with effective pipe or field drains
<b>Very high risk areas</b>	Fields likely to flood in some/ most winters; next to a watercourse, spring or borehole where surface is severely compacted or waterlogged or have a steep slope and the soil is at field capacity or have a moderate slope and slowly permeable soil
<b>Low risk areas</b>	All other areas not already marked

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**Table B**

Stock Unit	Hectares needed by Stock Unit		Stock Unit	Hectares needed by stock unit	
Cow (650kg)	0.039		Bull	0.019	
Cow (550kg)	0.032		Youngstock 1-2yr (400kg)	0.016	
Cow (450kg)	0.025		Youngstock 6-12months	0.008	
Heifer 2yr+ (500kg)	0.019		Calf	0.005	
Adult Sheep	0.003		Lamb (6-12 months)	0.002	
Lamb (up to 6 months)	0.001				
	Hectares needed by pig			Hectares needed by pig	
	at 250kg/ha	at 170 kg/ha		at 250kg/ha	at 170 kg/ha
Maiden gilts	0.052	0.076	Growers 8-12 weeks	0.025	0.037
Breeding sows & boars	0.080	0.118	Finishers over 12 weeks	0.042	0.062
Weaners 4-8 weeks	0.013	0.019			