

Know Your Nitrate Vulnerable Zones (NVZ's) ~ A Summary

NVZ Advice and Support

ANDERSONS

Key Dates (Assuming already in an existing NVZ)

- Before any nitrogen applications, an N plan for every field must be held
- By 30th April 2009 – Storage calculations completed
- Summer 2009 – Manure loading limit EA derogation details confirmed
- By 1st January 2010 – Risk Maps must be completed
- By 30th April 2010 (but advised to do it now) – Livestock manure N loading calculation
- By 1st January 2012 – Adequate storage facilities must be in place
- By 1st January 2012 – Slurry must not be spread in a high trajectory manner

Closed Spreading Periods

for Manures with High Readily Available N (slurry, poultry manures etc):

Grassland	Sandy or Shallow Soil	1 st Sept to 31 st Dec
	All Other Soils	15 th Oct to 15 th Jan
Arable	Sandy or Shallow Soil	1 st Aug to 31 st Dec
	All Other Soils	1 st Oct to 15 th Jan

for Manufactured N fertilisers:

Grassland	Any soil	15 th Sept to 15 th Jan
Arable Land	Any soil	1 st Sept to 15 th Jan

Manure Storage

- Pig & Poultry Slurry and Poultry Manure ~ 26 weeks (6 months) storage requirement
- Cattle slurry ~ 22 weeks (5 months) storage requirement
- Field heaps must be relocated every 12 months, 10m from surface waters & land drains, 50m from springs & boreholes

Key Records

- Livestock manure N loading calculations
- Livestock manure N storage calculations
- Risk maps for land where manure is spread
- Manure farm import and export records
- Crop N requirement records
- Field N application records
- NMax records

Nitrogen Limits

- 170kg N/ha whole farm total N from livestock manures per calendar year
- 250kg N/ha whole farm total N from livestock manures per calendar year if a special EA derogation is granted
- 250kg N/ha limit from any manures in any 12 month period
- Any N applications must not exceed crop requirement
- N applications must never exceed the crop's NMax value (where applicable)

Nitrogen Applications

- Field inspections must be performed before spreading any manure
- Manures must not be spread within 10m of surface water or 50m of springs, wells or boreholes
- N fertilisers (including manures) must not be spread on waterlogged, frozen or snow covered ground
- Manure must be incorporated into bare soil or stubble within 24 hours
- High trajectory spreading of slurry (over 4m) not allowed after 1st January 2012



For further NVZ information, advice and support, contact **The ANDERSONS Centre**

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