

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

NVZ Advice and Support

ANDERSONS

## Key Dates

- Before any nitrogen applications, an N plan for every field must be held
- By 30<sup>th</sup> April – Storage calculations completed and / or updated
- By 31<sup>st</sup> March – Manure loading limit derogation must be submitted
- By 1<sup>st</sup> January – Risk Maps must be completed and / or updated
- By 30<sup>th</sup> April – Livestock manure N loading calculation
- By 1<sup>st</sup> January 2012 – Adequate storage facilities must be in place
- By 1<sup>st</sup> January 2012 – Slurry must not be high trajectory spread

## Closed Spreading Periods

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

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

*for Manufactured N fertilisers:*

Grassland	Any soil	15 <sup>th</sup> Sept to 15 <sup>th</sup> Jan
Arable Land	Any soil	1 <sup>st</sup> Sept to 15 <sup>th</sup> 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 1<sup>st</sup> January 2012

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

~ 01664 503 200 ~ [www.theandersonscentre.co.uk](http://www.theandersonscentre.co.uk) ~

