

# Nitrates Action Programme and Phosphorus Regulations

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# Key Changes Affecting Arable Growers

- N Max Limits for Arable crops
- Fertilisers applied in closed period
- Buffer Zones to be applied in relation to sloping ground
- Phosphate management in manures
- Field storage and transfer of manures
- Winter management of arable land

# N Max Limits

Crop	Kg N/ha	Standard Yield
Winter Wheat	220	8.0
Spring Wheat	170	7.0
Winter Barley	170	7.0
Spring Barley	140	5.0
Winter Oats	140	6.0
Spring Oats	110	5.0

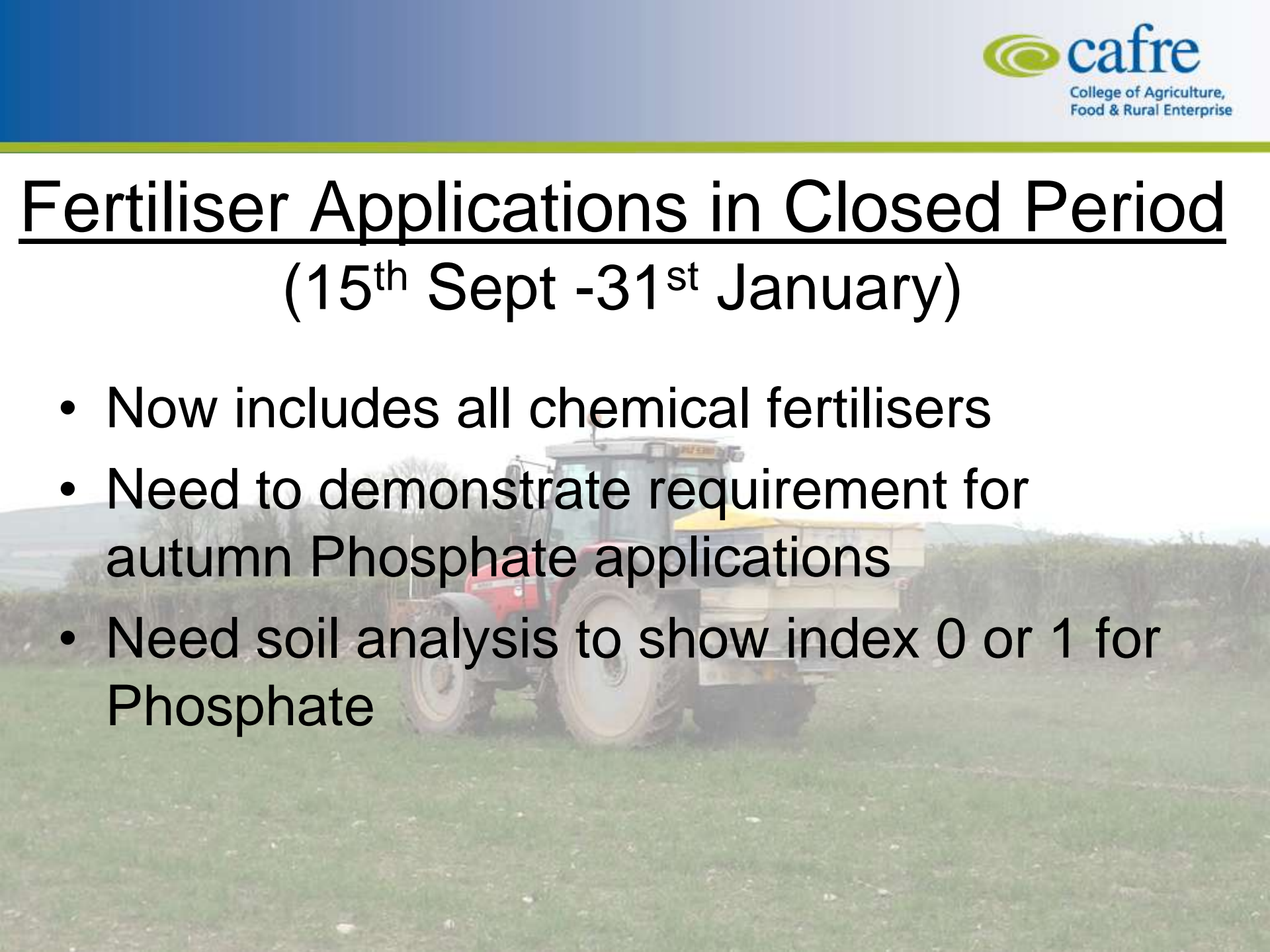
An additional 20 kgN/ha is permitted for every tonne that expected yield exceeds standard yield



# Phosphate Management in Manures

- For nutrient balance on P index 0 or 1 soils we can now use the Available P content of the manure.
- For P index 2 or above still have to use Total P content.
- From 31st Dec 2016 organic manures with more than 0.25kg Total P per 1.0kg Total N can only be applied to crop requirement

# Fertiliser Applications in Closed Period (15<sup>th</sup> Sept -31<sup>st</sup> January)

- Now includes all chemical fertilisers
  - Need to demonstrate requirement for autumn Phosphate applications
  - Need soil analysis to show index 0 or 1 for Phosphate
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# Bufferzones Required on Sloping Ground

- On slopes with an incline of 15% or more on Grassland or 12% or more on arable land
- Organic manures must not be applied within 30m of lakes and 15m from waterways
- Chemical fertilisers must not be applied within 10m of lakes and 5m of other waterways.

# Field Storage and Transfer of Manures

- FYM and Poultry litter may be stored in field for a maximum of 120 days.
- Still need to notify NIEA of field heaps of Poultry Litter!
- Records for off farm movement of organic manure must be submitted to NIEA by 31<sup>st</sup> January of the following year.

# Winter Management of Arable Land

- Ploughing of Land not permitted until after 15<sup>th</sup> January.
- Greencrop cover or cereal crop stubble with natural regeneration.
- Late harvested crops derogation for crops harvested after 1<sup>st</sup> November (e.g. Potatoes or Maize)





Thankyou