

FLEXI-N[®] Fact Sheet

Products and Services

Description

Flexi-N is a premium clear liquid fertiliser containing nitrogen. Nitrogen is in the nitrate, ammonium and urea forms. Nitrate is available immediately to plants while ammonium and urea become available more slowly.

Advantages

- Economical to store
- Remains stable in storage from one year to the next
- Easy handling through hoses and pumps
- Can use existing spray equipment
- Application by boomsprayer is very uniform compared to topdressing solid fertilisers
- Many herbicides, insecticides and fungicides may be applied at the same time
- Limited concentration of certain trace elements may be applied with the solution
- Less potential for loss to the atmosphere compared to urea.
- Foliar uptake may be beneficial in dry conditions
- Safer to band than urea.

Application

Crops: Flexi-N is suitable for application through both boomsprayer and liquid seeder system. Although Flexi-N is less toxic than urea, separation from the seed 2-3 centimetres is recommended when banding. As part of a balanced fertiliser programme for cereals and canola Flexi-N may be applied before, at or after sowing, with solid fertilisers such as Agstar or K-Till used at seeding. Beware that spray oils or wetters can increase the risk of leaf scorch with post-emergent applications.

Pastures: Flexi-N can be applied with a boomsprayer during the season to boost production of grassy pastures. Best responses can be expected following the application of Super Phos or Super Potash in the autumn. It is recommended that grazing is deferred for 10 days following application of the Flexi-N to prevent nitrate poisoning.

Characteristics

Flexi-N	Typical Analysis (w/w%)*	Typical Analysis (w/v%)*
	N	N
	32	42.2

* One tonne of Flexi-N contains 320 kg of nitrogen.

One cubic metre of Flexi-N contains 422 kg of nitrogen, 100 litres of Flexi-N contains 42.2 kg nitrogen.

Flexi-N	Salt out temp (°C)	pH range	Flexi-N
	-2	6.5-7.5	1.32

Rates

Rate of nitrogen applied and equivalent rate of Urea for Flexi-N.

Flexi-N L/ha	Nitrogen kg/ha	Urea kg/ha
20	8.4	18.3
30	12.7	27.5
40	16.9	36.7
50	21.1	45.9
60	25.3	55.0
70	29.5	64.2
80	33.8	73.4
90	38.0	82.6
100	42.2	91.7
110	46.4	100.9
120	50.6	110.1

Storage

Flex-N is perfect in storage for a year or more and will not break down or settle.