

Products and Services

Description

Flexi-NS is a premium clear liquid fertiliser containing nitrogen and sulfur. Nitrogen is in the nitrate, ammonium and urea forms and sulfur is in the thiosulfate form.

Nitrate is available immediately to plants while ammonium, urea and thiosulfate 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
- Limited range of herbicides, insecticides and fungicides may be applied at the same time
- Limited range and 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 solid NS or Urea.

Application

Crops: Flexi-NS is suitable for application through both boomsprayer and liquid seeder system. Although Flexi-NS 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-NS 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-NS 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-NS to prevent nitrate poisoning.

Characteristics

Flexi-NS	Typical Analysis (w/w%)*		Typical Analysis (w/v%)#	
	N	S	N	S
	28	5	37	6.6

* One tonne of Flexi-NS contains 280 kg of nitrogen and 50 kg of sulfur.

One cubic metre of Flexi-NS contains 370 kg of nitrogen and 66 kg of sulfur. 100 litres of Flexi-NS contains 37 kg of nitrogen and 6.6 kg of sulfur.

Flexi-NS	Salt out temp (°C)	pH range	Specific gravity
	-10	7.5-8.5	1.32

Rates

Rates of nitrogen and sulfur applied for various rates of Flexi-NS.

Flexi-NS L/ha	Nitrogen kg/ha	Sulfur kg/ha
20	7.4	1.3
30	11.1	2.0
40	14.8	2.6
50	18.5	3.3
60	22.2	4.0
70	25.9	4.6
80	29.6	5.3
90	33.3	5.9
100	37.0	6.6
110	40.7	7.3
120	44.4	7.9

Storage

Flexi-NS is perfect in storage for a year or more and will not break down or settle out.