FLEXI-NK® Fact Sheet

Products and Services

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Description

Flexi-NK is a premium clear liquid fertiliser containing nitrogen and potassium. Nitrogen is in the urea form and potassium is in the muriate (chloride) form. Potassium chloride is available to plants immediately while urea becomes 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
- Very limited range and concentration of certain trace elements may be applied with the solution
- Foliar uptake may be beneficial in dry conditions

Application

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

Characteristics

Flexi-NK	Typical Analysis (w/w%)*		Typical Analysis (w/v%)#	
	N	K	N	K
	15	8	18	9.6

* One tonne of Flexi-NK contains 150 kg of nitrogen and 80 kg of potassium.

\# One cubic metre of Flexi-NK contains 180 kg of nitrogen and 96 kg of potassium. 100 litres of Flexi-NK contains 18 kg of nitrogen and 9.6 kg of potassium.

Flexi-NK	Salt out temp (°C)	pH range	Specific gravity
	-6	8.0-9.0	1.20

Rates

Rates of nitrogen and potassium applied for various rates of Flexi-NK.

Flexi-NK L/ha	Nitrogen kg/ha	Potassium kg/ha
20	3.6	1.3
30	5.4	2.9
40	7.2	3.8
50	9.0	4.8
60	10.8	5.8
70	12.6	6.7
80	14.4	7.7
90	16.2	8.6
100	18.0	9.6
110	19.8	10.6
120	21.6	11.5

Storage

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