

LABEL for RAVENSDOWN FLEXI-N (NBPT)

Ravensdown Flexi-N (NBPT)

Product Description

Urease inhibitor coated urea that contains 0.3 g/kg (300ppm) of N-(n-butyl)-thiophosphoric triamide (NBPT) and a 1% magnesium oxide coating, designed for mixing with superphosphate based fertilisers.

N	P	K	S	Mg	Ca
45.3	0.0	0.0	0.0	0.5	0.0

Registered pursuant to the ACVM Act 1997, No 10200.

See www.foodsafety.govt.nz for registration details.

Flexi-N (NBPT) slows the conversion of nitrogen in urea to ammonia gas (ammonia volatilisation) which is lost to the atmosphere, reducing ammonia losses by 50%* compared to uncoated urea.

Why Use Flexi-N (NBPT)

Flexi-N (NBPT) provides the opportunity for urea to be safely mixed with superphosphate allowing for one application for N, P, K & S, providing greater flexibility in how nutrients are applied. Because of the inclusion of urease inhibitor, NPBT losses of N through volatilisation can be reduced economically:

- Reduce N loss from the process of volatilisation by 50%*
- Keeps applied N in the root zone for plant uptake
- Shrinks your environmental footprint

* Results may vary based on specific soil and environmental conditions (e.g. soil organic matter, temperature, moisture and pH).

Directions for Use and Cautions When Mixing

Like urea, N-Protect gives the most reliable responses when the soil temperature at 10cm depth is 6 degrees C and rising, the plant is actively growing and where there is sufficient time between grazing or harvest for the expression of the N response (usually 3-6 weeks). It is better to make smaller more frequent applications to minimise leaching losses and increase nitrogen use efficiency.

Unlike urea, Flexi-N (NBPT) is compatible with Superphosphate and Sulphur Super 30, but remains incompatible with immature or not properly cured Superphosphate, Magnesium Oxide, Copper Sulphate and Cobalt Sulphate. The product in mixes should not be bagged.

Segregation may occur when mixed with product with differences in particle size. This should be considered by the applicator when determining the appropriate bout width for spreading product blends of this nature. Ravensdown recommends the equipment and operation thereof should at least meet the Spreadmark™ minimum performance.

Time to spreading of mixes containing Flexi-N (NBPT) should be minimised. Use Flexi-N (NBPT) within 14 days of taking delivery from a Ravensdown store. Shorter times apply when mixed with products such as superphosphate to minimise risks of physical incompatibility. Store in cool dry conditions. Keep out of reach from children and animals.

Application Rates and Withholding Periods

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds. It is an offence to feed this product to animals.

Crop group	Rates & Timing (Maximum single Flexi-N (NBPT) application rate permitted, excluding planting application)	Pre-Harvest Interval (minimum time from last Flexi-N (NBPT) application to harvest)
Pastures ⁽¹⁾	100 kg/ha	3 days (refer also to Livestock Safety warning below)

(1) Including mixed swards (grasses, clover and forage herbs, e.g. chicory and plantain).

For application rates and pre harvest interval for crops other than grazed pasture, contact your agronomist.

It is an offence to use this product on animals

Livestock Safety

Short pre-grazing intervals may expose livestock to potentially unsafe levels of urea. Ensure that most granules are not still present when stock are reintroduced. Also consider the product Flexi-N (NBPT) has been mixed with. Refer to “Animal welfare cautions on fertiliser use” found on Ravensdown price lists, or “Animal Welfare Considerations” found on www.ravensdown.co.nz/expertise/animal-welfare-considerations

Crop Safety

Urea may include up to 1.5% biuret. Some crops are sensitive to biuret. Seek agronomist advice before using Flexi-N (NBPT) for the first time on potentially sensitive crops, or if using at higher rates or different application timings than used previously.



WARNING: Causes serious eye irritation

Precautions.

Wear eye protection. Wash hands thoroughly after handling.

First Aid

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. For further advice contact National Poisons Centre 0800 764 766.

Storage

Store in a cool dry place away from food and feedstuffs.]

Spillage

Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.

Disposal

Dispose of according to Local Regulations or Authorities or if practicable apply excess fertiliser at recommended rates to appropriate land.

For 24 hour specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 622)**



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