

NEW



Lock down nitrogen &
keep your paddocks loaded



www.incitecpivottfertilisers.com.au

Incitec Pivot Fertilisers is a business of Incitec Pivot Limited ABN 42 004 080 264



Get better value from topdressed N

New Green Urea NV is a stable and efficient way to get extra nitrogen securely into your soil, with reduced losses through volatilisation.

Green Urea has already proved its flexibility and effectiveness as an alternative to conventional granular urea.

With the new LOCKDOWN™ urease inhibitor coating, this NV formulation has increased storage stability as well as the proven potential to produce more feed than standard urea.

Why choose new Green Urea NV?

Less lost nitrogen

Volatilisation can cause significant N losses when urea is not incorporated by adequate rainfall, irrigation or cultivation soon after application. Green Urea NV slows the breakdown process to minimise these losses.

Flexible timing

With no need to rely on rain soon after spreading, you can time the application to suit the rest of your workload.

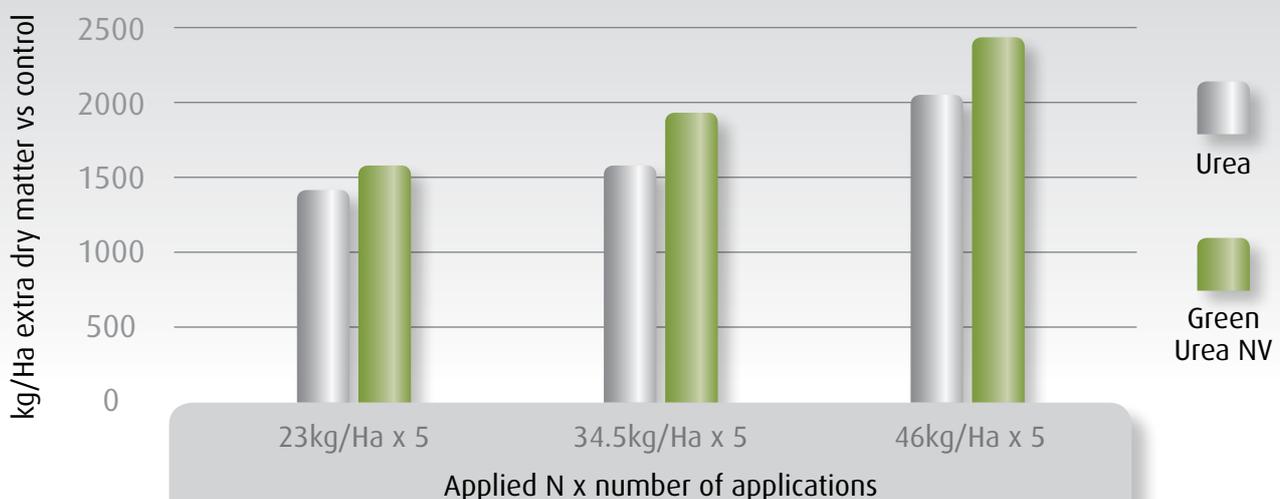
Extra storage stability

Research has shown that Green Urea NV in 1 tonne and 25kg bags retains substantially more of its active ingredient after the first four weeks of storage than the Green Urea that was previously available.

These graphs show the results from a 2012 Lara trial in which the stored granules were analysed at 4-week intervals to assess the levels of active ingredient.



Extra dry matter at every rate



These 2011–2012 results from the Macalister Demonstration Farm confirmed the effectiveness of Green Urea NV at various rates in a comparative trial. At each rate, Green Urea NV produced more extra dry matter over the untreated control than the same rate of standard urea.

The full trial results can be found on our website at incitepivotfertilisers.com.au

Getting the best out of Green Urea NV

Consider using Green Urea NV for topdress nitrogen if:

- ✓ You can't rely on good rainfall within four days after application.
- ✓ Your soil pH is neutral or alkaline.
- ✓ The soil temperature is over 15°C.
- ✓ Daytime temperatures are warm to hot.
- ✓ The soil surface is drying out.
- ✓ Moderate to strong wind conditions are likely at the soil surface.
- ✓ The crop canopy is still open.
- ✓ Your paddocks have high pasture, trash or stubble levels.

What you stand to lose – observed Nitrogen losses in prior studies

% of N lost	Study details	Location	Type of pasture	Length of study
36.8–59.9	CSIRO, 1967	Canberra, ACT	Temperate	Autumn/winter 4–7 weeks
28.5	Eckard et al. 2003	Ellinbank, Vic.	Temperate dairy	1 year
20	Prasertsak et al. 2001	Millaa Millaa, Qld	Tropical dairy	98 days
20	University of Melbourne, 2010	Murroon, Vic	Perennial ryegrass	21 days

As this table shows, volatilisation losses from surface-applied urea in pastures can vary considerably, but will typically have a significant effect on the amount of nitrogen available to the pasture.

The Green Urea NV difference – within 2 days after application



The breakdown of standard urea causes a localised alkaline reaction and gaseous ammonia escapes.



The breakdown process of Green Urea NV is slowed (compared to urea), reducing the impact of the alkaline reaction.





Lock down nitrogen & keep your paddocks loaded

- Retains more nitrogen without incorporation
- Flexible application timing with less reliance on imminent rainfall
- New LOCKDOWN coating provides better storage stability and more sustained N release
- Better return on investment than standard urea

For more information, contact your Incitec Pivot Fertilisers Distributor or go to incitecpivotfertilisers.com.au

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