

Introducing Limus[®]

If you want to stop profits escaping, start by choosing Limus[®] protected urea.

Why use protected urea?

Nitrogen, whilst essential for grass and crop growth, often comes with an economic and environmental cost.

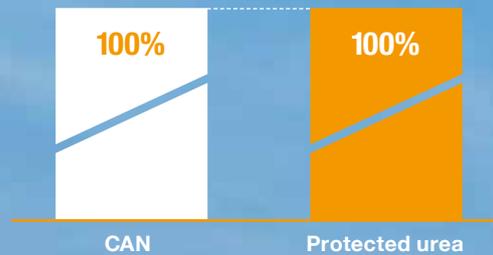


Protected urea* has been identified by Teagasc as the “number one technology to reduce losses of both ammonia (from urea) and nitrous oxide (from CAN**)”.

*Urea treated with a registered urease inhibitor - NBPT, NBPT + NPPT or 2-NPT
**Ammonia contributes to poor air quality, leading to negative impacts on human health. Nitrous oxide is a powerful greenhouse gas 298 times more potent than carbon dioxide.

Teagasc trials have shown that protected urea consistently gives the same yields as CAN, at better value, and is as efficient in Irish grasslands.

Average relative grass yields (Teagasc)

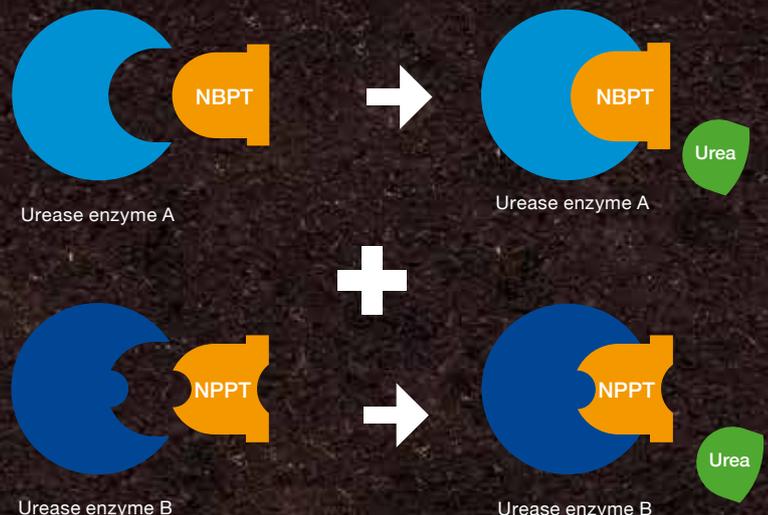


Source: Teagasc, average relative grass yields for CAN and urea + NBPT across 6 grassland sites with 5 N application rates and a total of 30 fertiliser application dates

What makes Limus[®] unique?

Urease enzymes bind to urea and convert it to ammonium. This creates a pH spike and ammonia gas is often lost. Urease inhibitors temporarily block urease enzymes giving time for the urea to move into the soil, buffering the pH spike and minimising losses.

However, different urease enzymes require different urease inhibitors. Limus[®] is the only urease inhibitor available with two active ingredients (NBPT and NPPT), enabling it to bind to a wider variety of urease enzymes.



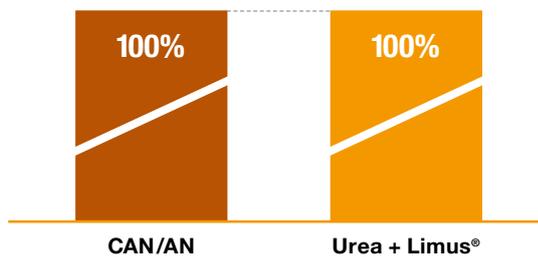
Why Limus[®] protected urea?

BASF
We create chemistry

Limus[®] protected urea contains an innovative, dual-active urease inhibitor that minimises nitrogen losses and supports optimal nitrogen availability for your grass or crop.

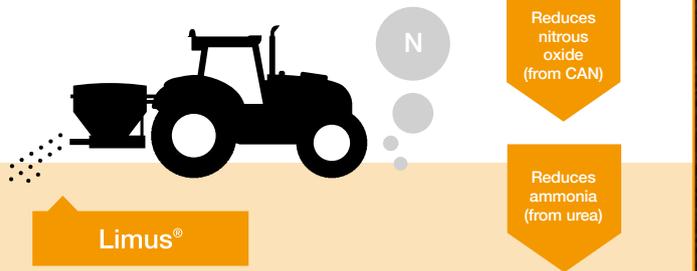
1 Limus[®] delivers equivalent yields to CAN

Relative yield increase



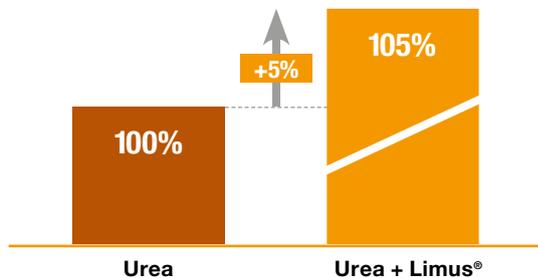
Source: BASF, range of crops, n=74

2 Limus[®] reduces greenhouse gas and ammonia emissions on farm



3 Limus[®] improves yield by 5% versus unprotected urea

Relative yield increase



Source: BASF, range of crops, n=84

4 Limus[®] can be applied throughout the season

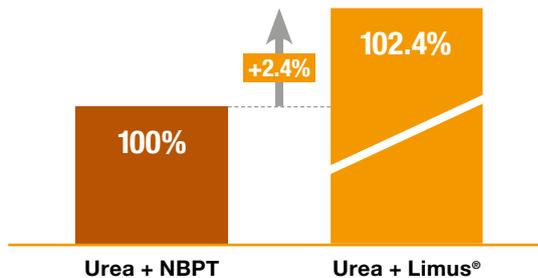
Can be applied independent of weather conditions*



*As with all fertiliser, avoid use during periods of drought and snow and when ground is waterlogged

5 Limus[®] contains two actives (NBPT + NPPT) for optimal efficacy

Relative yield increase



Source: BASF, range of crops, n=84

6 Limus[®] offers more than 12 months storage stability of treated urea

The stability of urease inhibitors when added to urea can be limited. Limus[®] contains our BASF patented polymer technology, providing excellent a.i. stability and performance.

Limus[®] is stable for more than 12 months on urea, giving confidence that even if purchased a year in advance, Limus[®] will still work effectively.

For more information, visit agricentre.basf.ie/limus