



Limus[®] Nitrogen Management with 360 Y-DROP[®]



Protecting

Protect your nitrogen investment with Limus Nitrogen Management. Nitrogen can be lost through volatilization: on average, only 50 percent of total applied nitrogen is taken up by a plant, and that rate can drop to as low as 20 percent under certain conditions. The loss of nitrogen can starve crops of needed nutrients, jeopardizing plant health and yield potential.



Application

Applying nitrogen where and when the crop needs it is a great way to optimize your nitrogen investment. And since corn uses 75 percent of nitrogen after the V10 stage, a late-season nitrogen application can help you improve yield in ways you haven't been able to before. The 360 Y-DROP gives you more control over when and where you apply nitrogen to your crops – now even up to tassel. Nitrogen is applied directly at the base of the plants ensuring maximum nitrogen uptake!



**Targets nitrogen application
directly at the stalk base**



Yield

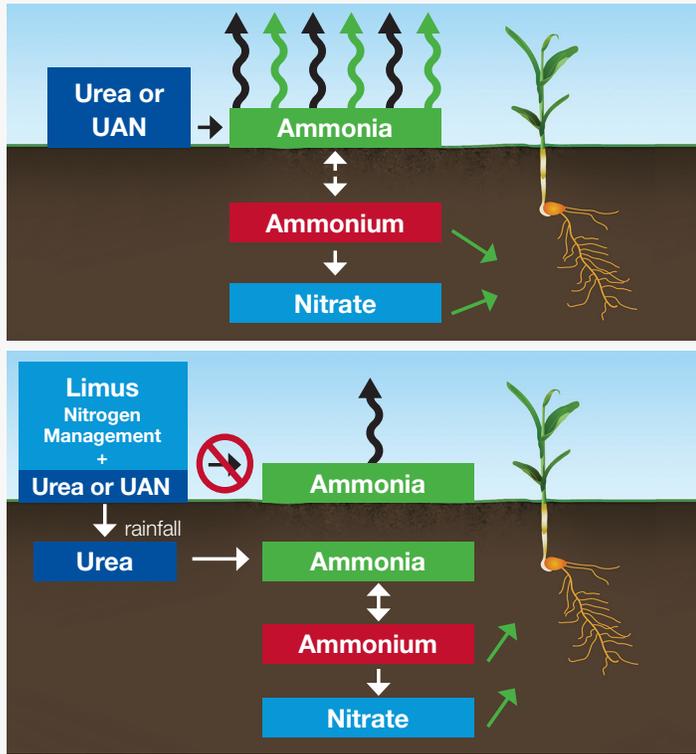
Yield is critical for a grower's bottom line. By combining the best-in-class chemistry of Limus Nitrogen Management with the 360 Y-DROP, growers can ensure their nitrogen investment is protected from volatilization and the crop has nitrogen when and where it is needed.



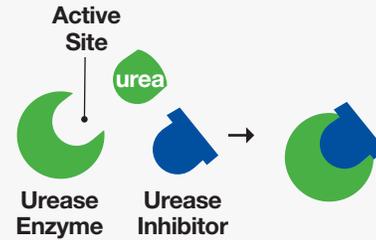
Mode of Action

Urease is an extracellular enzyme found in all soils that can bind urea and hydrolyze it into ammonia gas. Limus[®] Nitrogen Management binds to the urease active site, preventing urea hydrolysis and reducing ammonia formation. Its combination of two active ingredients enables Limus Nitrogen Management to be more effective against a wide range of urease characteristics, which can vary depending on the urease origin and soil binding.

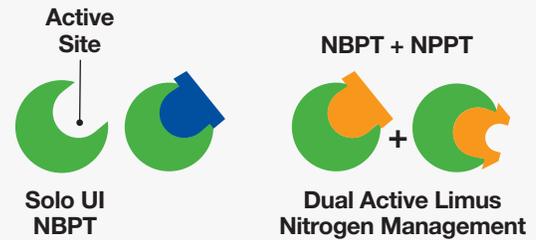
Fate of Urea or UAN in the Nitrogen Cycle



How Limus Nitrogen Management Works

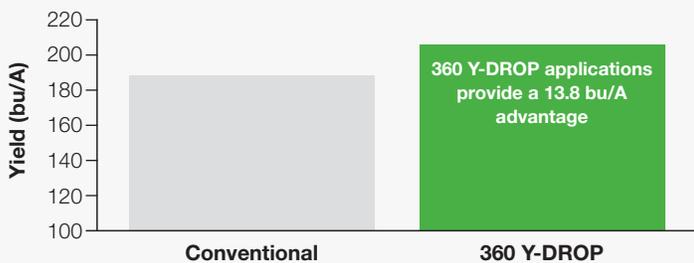


Urease inhibitors bind to urease, preventing conversion of urea to ammonia.



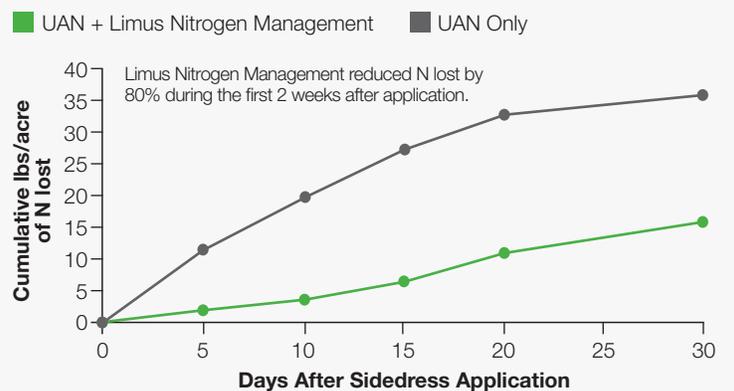
The characteristics of urease enzymes vary based on origin and soil binding. Limus Nitrogen Management is a combination of two different urease inhibitors that combined are more effective than a single inhibitor.

360 Y-DROP[®] vs. Conventional Methods



Nitrogen Application Treatment numbers in each category are not equal. Conventional treatments = 209, 360 Y-DROP treatments = 351. Some trials may have had two 360 Y-DROP and one non-360-Y-DROP treatments.

Limus Nitrogen Management with Sidedress UAN Application



2014. BASF supported research. Sheridan, IN.