NITROGEN MANAGEMENT:

SHIFT YOUR THINKING AND YOUR TIMING

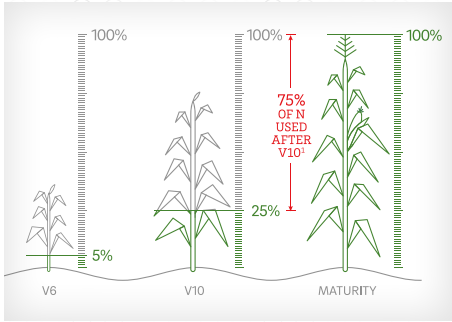
Of all the factors that contribute to production costs and yield, nitrogen has one of the largest impacts. Small improvements to nitrogen utilization can boost profitability. 360 Yield Center offers new tools that allow you to measure and supply the right amount of N when the plant is ready to use it.

We call it the base-plus approach, and this is how it works:

+ Apply a base rate of N in fall or spring for a strong foundation
+ Test soil in-season so you know how much N is left
+ Come back between V6 and tassel to apply more N when corn needs it most

BUILD A NITROGEN BASE

Apply a base rate of N in the fall or spring to ensure your corn gets off to a great start, but save some of your N supply. Your corn uses almost 75% of its overall N needs after V10[1] – so if you run out of N after pollination, growth will shut down, ears will be shorter and grain fill will suffer. Instead of putting all of your N out early when it's vulnerable to loss, save some and let Mother Nature show her hand. Then test your soil to find out how much N you've used or lost, or gained through mineralization, and refuel the crop to get to the finish line.



Nitrogen Uptake Throughout the Season

MEASURE HOW MUCH NITROGEN IS LEFT

Understanding in-season N availability can be a real guessing game. Know exactly how much nitrate N is present through real-time measurement. Use 360 SOILSCAN™ to test N availability in the field – and soil pH – with the accuracy of a soil lab. It generates an N recommendation based on yield goal, growth stage and organic matter. You'll know how much N to apply just when it's needed.

Real-time Testing with 360 SOILSCAN

APPLY AT THE RIGHT TIME AND PLACE

The sidedress window is now so wide you can split-apply N with more confidence. 360 Y-DROP™ provides flexibility and control for timing midseason N application anywhere from V6 to tassel – a window of more than 30 days. It places liquid N at the base of the stalk, where even modest dew pushes N to the root mass for rapid uptake.

Precision Placement with 360 Y-DROP

THE 29-BUSHEL $104 ADVANTAGE

Field trials show it pays to use the base-plus approach. This side-by-side trial compared yield differences for 200 lb. of N using four different N timing strategies. The results: The later the N application, the higher the yield. For example, compared with a 200-lb. one-and-done spring application, a split-N application of 150 lb. in spring and 50 lb. at V12 with 360 Y-DROP boosted yield 29 bu/A.[1] That's a gain of $104 per acre.*

Visit www.360YieldCenter.com/baseplus to learn more about research that showed how a base-plus nitrogen management program improved yields and profits.

*Calculated using $3.60/bu corn price.
[1] Data on file.