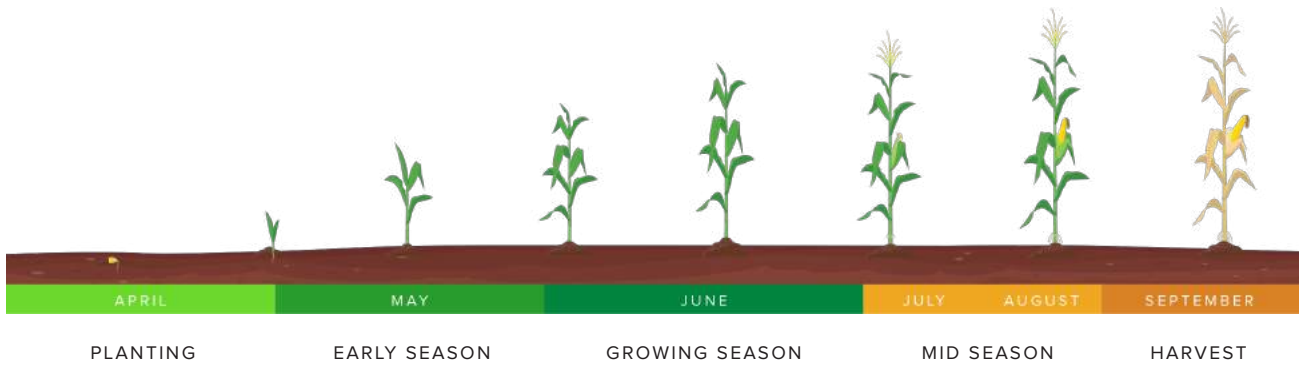




Early indications of Nitrogen deficiency means early opportunity. Elevate your Nitrogen management decisions with AGMRI.

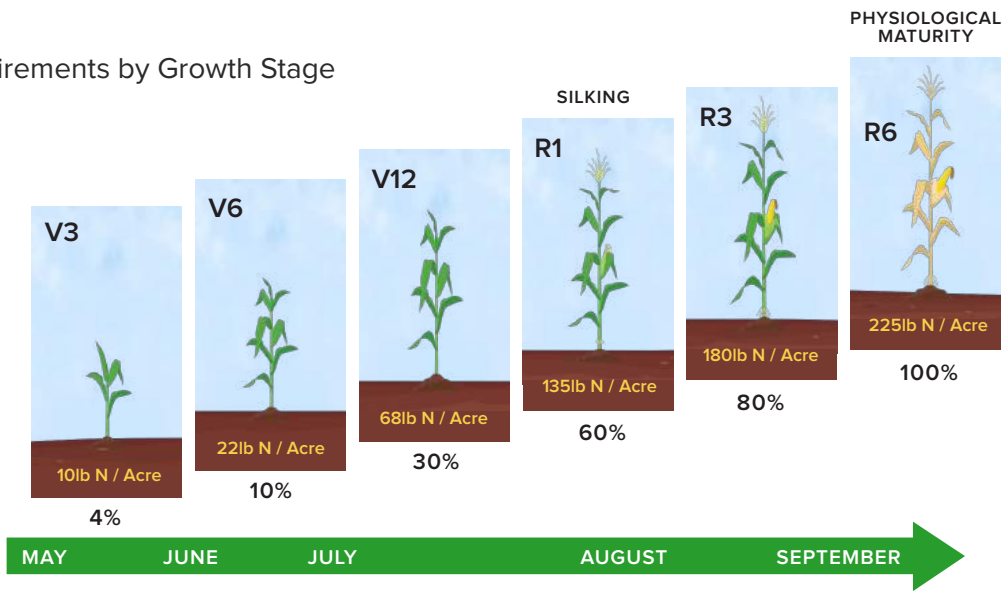
New this season, AGMRI will provide nitrogen recommendations provided by NVision Ag's nitrogen management tool. How does it work? From the aerial images yield-loss maps, total yield-loss estimates and N-rate control files are generated and a recommendation is delivered in real time via AGMRI. The tool will provide you data to help you decide whether more nitrogen is needed by showing specific degrees of nitrogen loss within a field, and which do not.

Season-long Monitoring of your Field from Planting through Harvest



AGMRI with Nitrogen Recommendations Provided by NVision Ag

N Requirements by Growth Stage

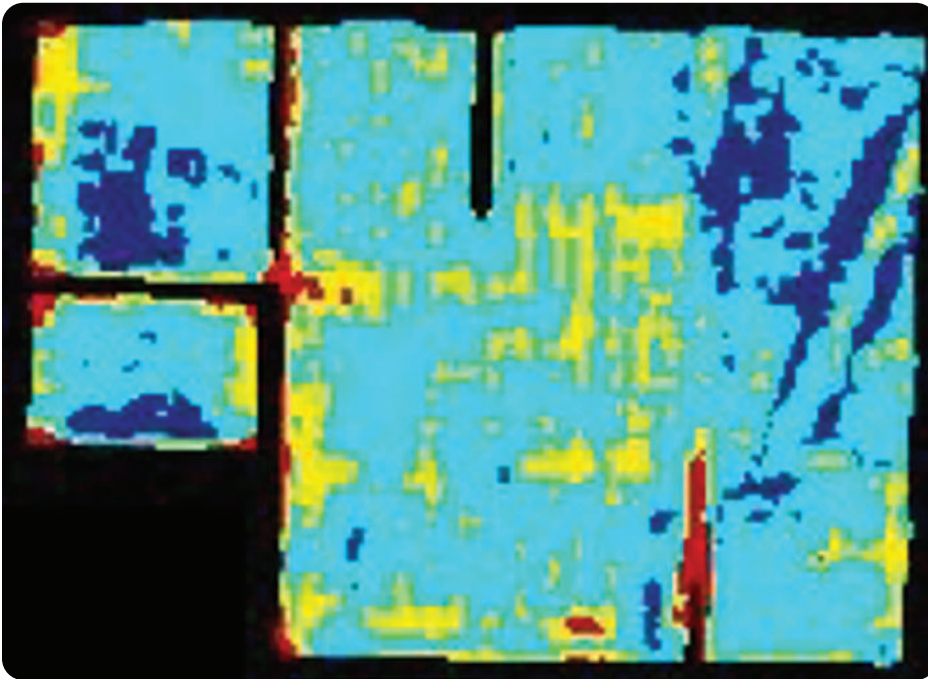


Source: University of Minnesota



Case Study: South Field Midwest U.S.

Demonstrating Potential Yield Loss from Nitrogen Deficiency



Estimated Yield Loss
(bushels per acre)

- Red >50
- Yellow 30-50
- Light Blue 10-30
- Dark Blue 0-10

Estimated Yield Loss Due to N Deficiency & Potential Returns from N Application

\$ Estimate loss Size of field: 128 acres

Average field loss: 2,433 bushels
(average 19 bushels per acre)

Estimate revenue loss per acre:
\$106 per acre (\$13,625 total)

Assume corn price \$5.60 - your results may vary

Requirement to Offset Yield Loss

Total N Required: 6,898 lbs as urea (3,173 N)

Urea/acre 54lbs/acre

Total Cost: \$3,130

Results: Average Yield Increase* = 25.5 bushels/acre

*Across all farm trials in one year

