

FIELDVIEW™ NITROGEN MANAGEMENT RECOMMENDATIONS

TRIAL OVERVIEW

- Nitrogen (N) is the number one fertilizer that farmers must manage in a corn crop.
- Previous crop, growing conditions, product genetics, commodity price, and N cost are factors to consider when determining the highest return for N investment.
- Weather plays an important role in how farmers manage N.

RESEARCH OBJECTIVE

- To help determine how FieldView™ nitrogen management recommendations can help farmers manage N.

Location	Soil	Previous Crop	Tillage Type	Planting Date	Harvest Date	Potential Yield/Acre	Planting Rate/Acre
Monmouth, Illinois	Silt loam	Corn	Conventional	05/19/2017	10/05/2017	240 bu/acre	36,000 seeds/acre

SITE NOTES:

- Five 32% UAN N Treatments Consisting of Three Replications
 - Treatment 1: 200 lbs/acre 32% UAN applied Pre-Plant on 5/9/17 = Standard Rate (SR)
 - Treatment 2: SR-15% or 170 lbs/acre followed by (fb) 30 lbs/acre applied 2 weeks pre-tassel on 7/5/17
 - Treatment 3: SR fb a FieldView nitrogen management recommendation of 35 lbs/acre applied 2 weeks pre-tassel to tassel on 7/5/17 (Figure 2, Top)
 - Treatment 4: Half SR fb 100 lbs/acre applied by sidedress on 6/19/17
 - Treatment 5: Half SR fb a FieldView nitrogen management recommendation sidedress rate of 75 lbs/acre on 6/9/17 (Figure 2, Bottom).

UNDERSTANDING THE RESULTS

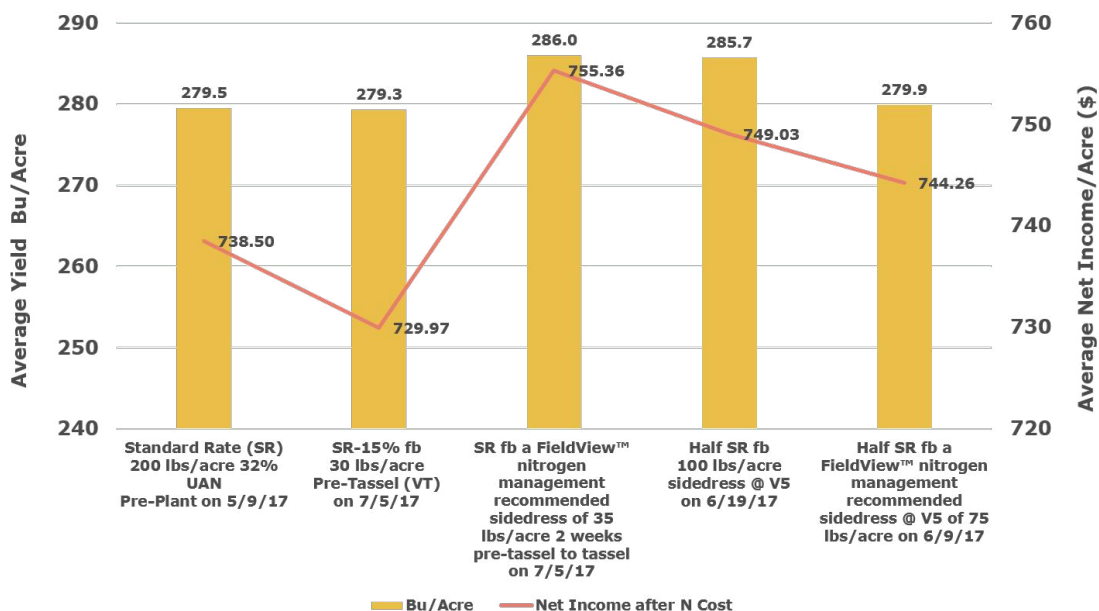


Figure 1. Average yield and net income/acre after nitrogen cost for five different nitrogen application treatments at Monmouth, IL in 2017 (3 Replications)

- Yields were good across the five treatments (Figure 1); however, FieldView nitrogen management recommendations provided a higher gross profit/acre and the highest yielding treatment (Figure 1).
- The Monsanto Learning Center at Monmouth, IL will continue to examine ways FieldView nitrogen management recommendations can provide farmers with information to help manage N and in-season N application decisions.

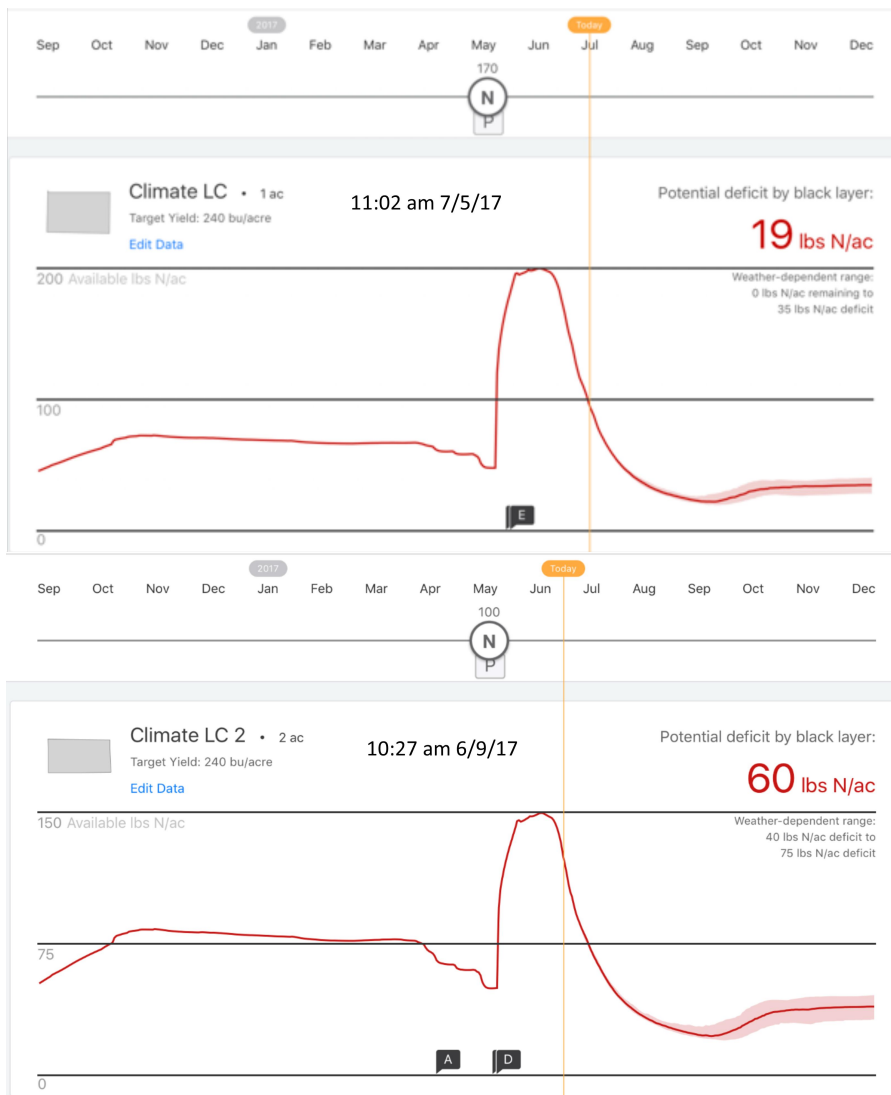


Figure 2. Screen shots of FieldView™ nitrogen management recommendations: **Top** - 7/5/17 when 35 lbs/acre of 32% UAN was sidedress applied to Treatment 3; **Bottom** - 6/9/17 when 75 lbs/acre of 32% UAN was sidedress applied to Treatment 5. The high end of the deficit was used for both applications.

WHAT DOES THIS MEAN FOR YOUR FARM?

- When used by farmers, FieldView™ nitrogen management recommendations can provide valuable information that can potentially increase yields and net income.
- Yields were good across the five treatments; however, FieldView nitrogen management recommendations provided a higher gross net income/acre and the highest yielding treatment.
- Because of the advantage that FieldView nitrogen management recommendations provide over other online N management calculators, farmers can react quickly to changing weather patterns.

LEGAL STATEMENT

For additional agronomic information, please contact your local brand representative.

Developed in partnership with Technology Development & Agronomy by Monsanto. The information discussed in this report is from a single-site demonstration trial. This informational piece is designed to report the results of this demonstration and is not intended to infer any confirmed trends. Please use this information accordingly.

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