



A Partnership in Nutrient Stewardship



A statewide partnership between Illinois Farm Bureau, Illinois county Farm Bureaus, GROWMARK, and FS companies will demonstrate and investigate 4R nutrient stewardship practices at the local level. The 4R approach involves using the right source of nutrient, at the right time, at the right rate, and in the right place.

Gold Star FS is working on two 4R4U nitrogen management plots. The nitrogen management study is looking at three different rates and timings of nitrogen applications.

Plot 1 with Bryce Holmes:

- Treatment 1: Manure and Instinct
- Treatment 2: Just Manure
- Treatment 3: 32%

Climate FieldView Weather Data:

- Highest Temperature: 93.0 (°F)
- Lowest Temperature: 51.0 (°F)
- Growing Degree Days: 528
- Total Precipitation: 4.31 (in.)

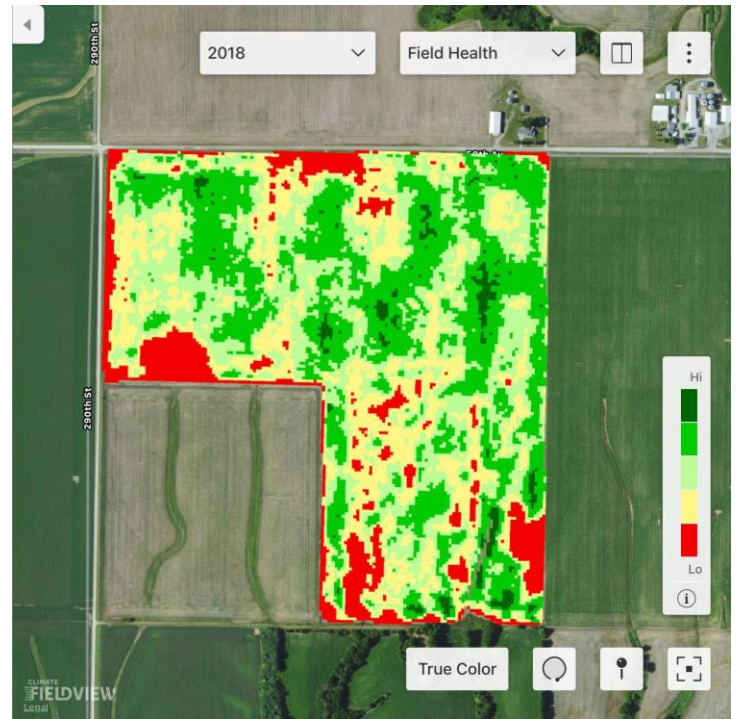
Plot 2 with Chad Bell:

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|-----------------|-----------|-----------------|
| | 32% UAN | Super U 5-25-18 |
| • Treatment 1 – | 184 lbs/N | 0 lbs/N |
| • Treatment 2 – | 138 lbs/N | 46 lbs/N |
| • Treatment 3 – | 92 lbs/N | 74 lbs/N |
| • Treatment 4 – | 74 lbs/N | 92 lbs/N |
| • Treatment 5 – | 46 lbs/N | 138 lbs/N |

Climate FieldView Weather Data:

- Highest Temperature: 94.0 (°F)
- Lowest Temperature: 50.0 (°F)
- Growing Degree Days: 572
- Total Precipitation: 4.09 (in.)

June 18, 2018 Climate FieldView Field Health Map



The crop is being monitored closely and records are being kept via Climate Fieldview. The first nitrogen soil samples have been pulled and another set of soil samples will be pulled at VT. Next steps are to monitor the plots through crop scouting and drone imagery.