



# TECH Tips

*Brad Ruden*  
Manager - Agronomy Tech Service



## Research and Technology Field Results- Soybean Foliar Fertilizer Timing Dicamba Tolerant Soybeans - Warner, SD

### Objectives:

- 1) Test the response to foliar fertilizers and micronutrients applied with the first in-crop dicamba application and contrast that with applications at the R2 growth stage of soybeans

### Treatments Tested – Soybean Foliar Fertilizers and Dicamba - Timing:

- Untreated (no foliar fertilizer)
- K-Leaf (Helena)
- Max-In Zn + Max-In B (Winfield United)
- EleMax Hi-Phos (Helena)
- Toggle (Winfield United)
- CoRoN + B + Avaris 2XS (Helena)
- Symbol Release (Winfield United)
- MegaFol + EleMax ENC (Helena)

### Treatments and Rates Tested:

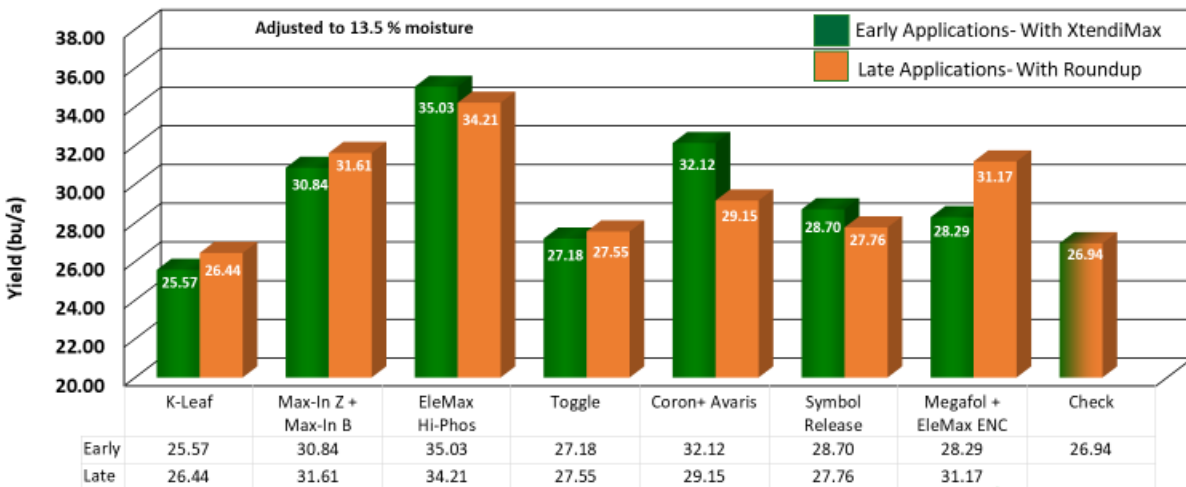
Brand	Product	Rate
Helena	K-Leaf	32oz/A
Winfield United	Max-In Zn + Max-In B	32 + 16oz/A
Helena	Hi-Phos	24oz/A
Winfield United	Toggle	44oz/A
Helena	Coron +B + Avaris 2XS	1gal/A + 7oz/A
Winfield United	Symbol Release	32oz/A
Helena	MegaFol + Ele Max ENC	16 + 32oz/A
	CHECK/ UNTREATED	

**Early application** was made along with the in-crop dicamba application: XtendiMax 22 oz/a + Roundup PowerMAX 32 oz/a + On-Target DRA at 0.5% v/v + Interlock 4 oz/a using 15 GPA water carrier.

**Late application** was made with 10 GPA water carrier as a straight foliar nutrient spray.

## Results – Soybean Foliar Fertilizers and Dicamba - Timing:

### Research and Technology Plots- Agtegra Warner Foliar Nutrient Timing and Dicamba Tolerant Soybeans



Soybean Variety: Asgrow 11X7, planted at 160,000 seeds per acre population  
Planting Date: 5-17-18  
Plots Sprayed: 6-26-18 (early) or 7-6-18 (late)



## Key Observations – Foliar Fertilizers and Dicamba - Timing:

- **No clear difference was noticed with timing.**
  - Early application of micronutrients did not appear to affect performance of the dicamba herbicide system, but approved product listings must be followed.
  - **Micronutrients appeared to perform slightly better with later applications**
  - **N, P, K solutions generally looked better with early applications**
- **Helena Ele-Max Hi-Phos LC 8-30-2 + micronutrients performed extremely well across all reps**
- **Plot was extremely dry, so retesting the trial under better weather conditions may be desirable.**

## 2018 Plot Setup Information:

- Plot located at the Agtegra Warner location in the Research and Technology demonstration plots
- Variety: Asgrow 11X7 planted at 160000 plants per acre in 30" rows
- Plots planted May 17, 2018
- Plots sprayed 6-26-18 (early) or 7-6-18 (late)