

Research and Technology Plots

Seed Treatment- Field Results- 2019 *Base Programs and White Mold Additives*

Brad Ruden

Agronomy Tech Services Manager



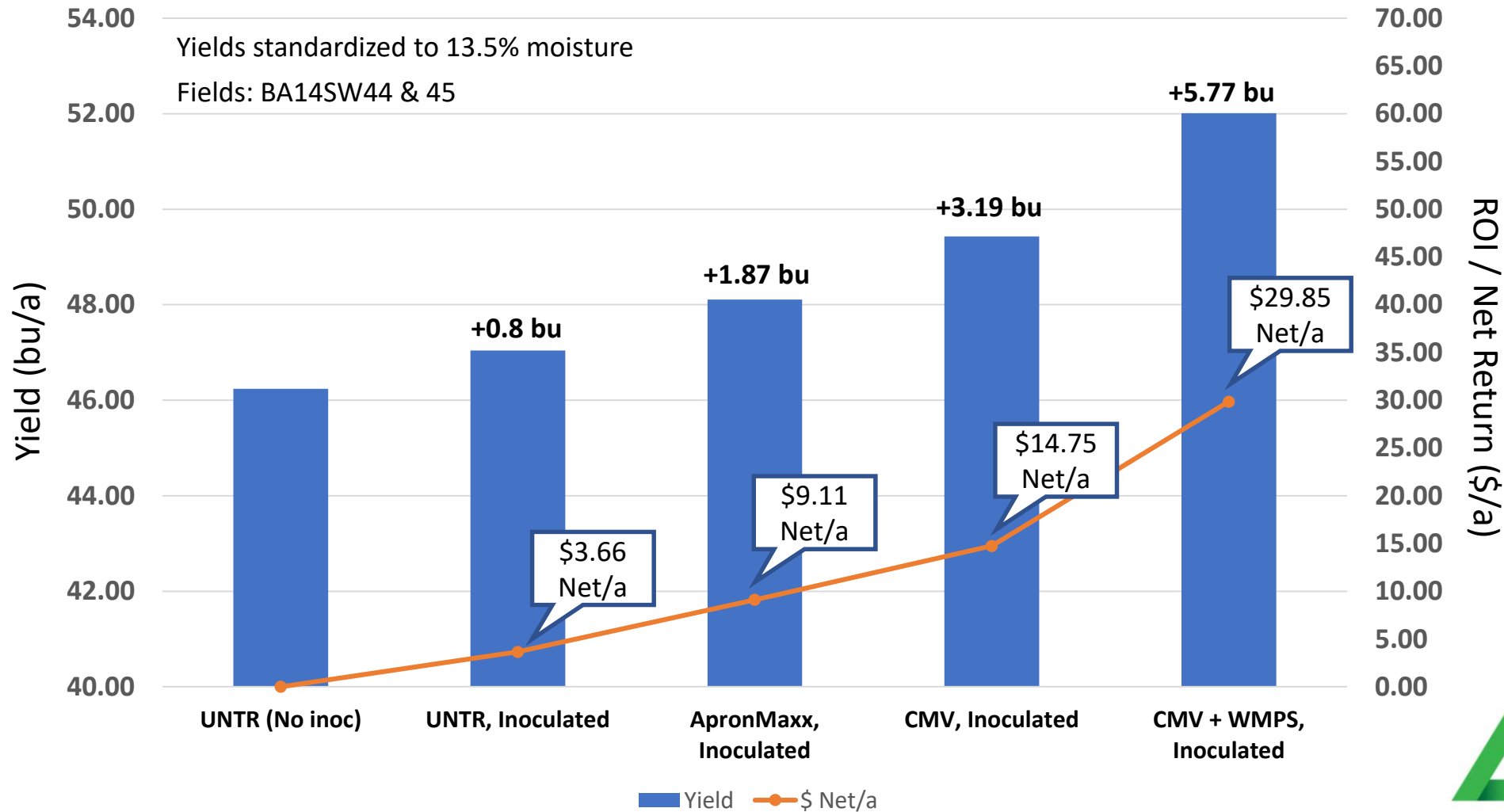
Research and Technology Plots

Base Fungicides and Inoculant Testing



Soybean Seed Treatment- Yield and ROI

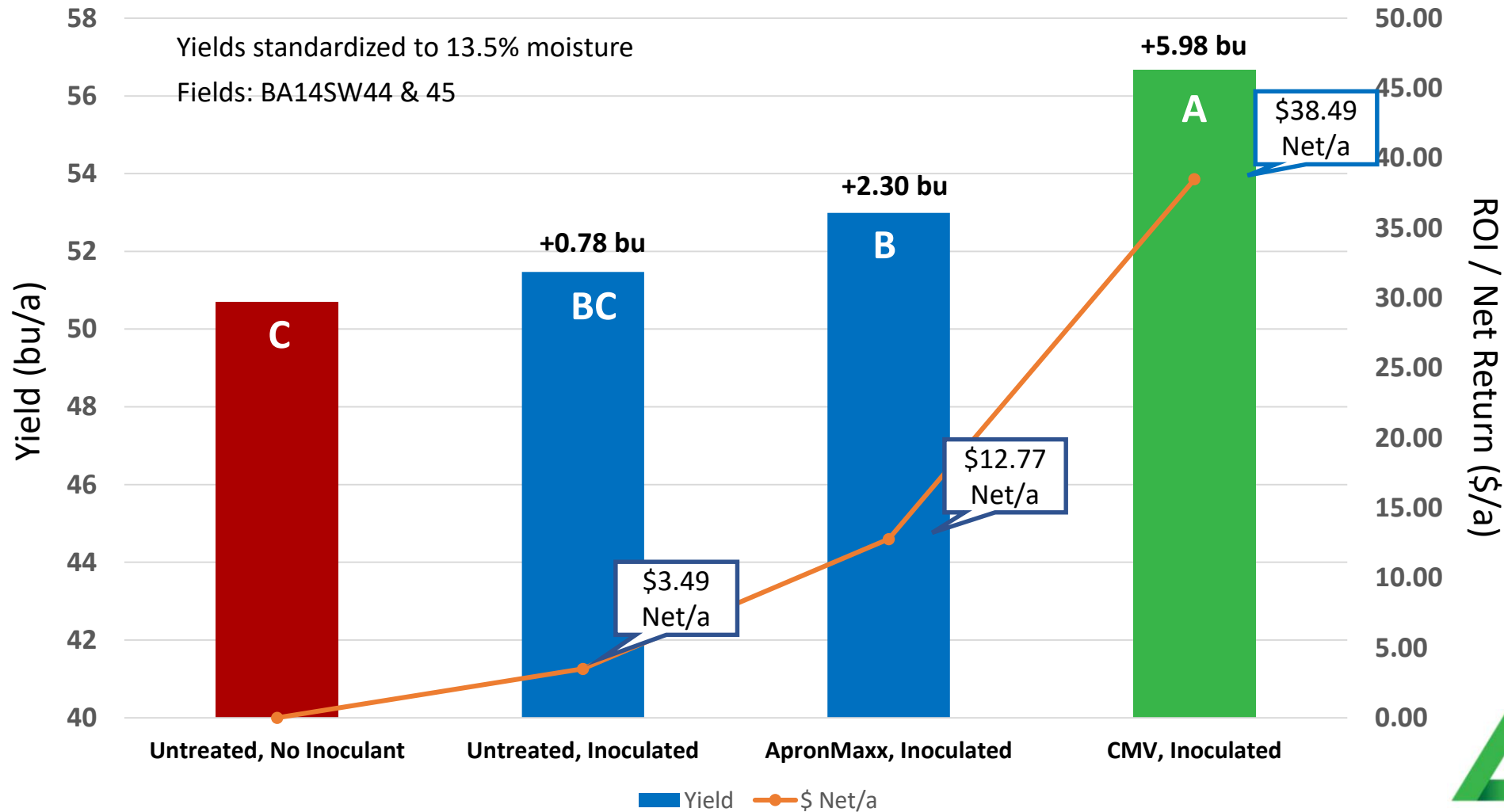
Fungicides and Inoculant- Bath Location



Prices based on CPP Price Sheet 10-30-19; Calculations based on \$8.51 AGP Price Aberdeen 10-30-19
Planting rate 140,000 seeds/acre

Soybean Seed Treatment- Yield and ROI

Fungicides- 6 Year, 10 Location Data



Prices based on CPP Price Sheet 10-30-19; Calculations based on \$8.51 AGP Price Aberdeen 10-30-19
Planting rate 140,000 seeds/acre

Recommendations: 2019 Soybean Base Fungicides and Inoculants

- **Base Fungicides**
 - **Cruiser Maxx Vibrance** continues to be a top performer
- **Preside CL inoculant provides better than 2:1 ROI every year and should be continued**

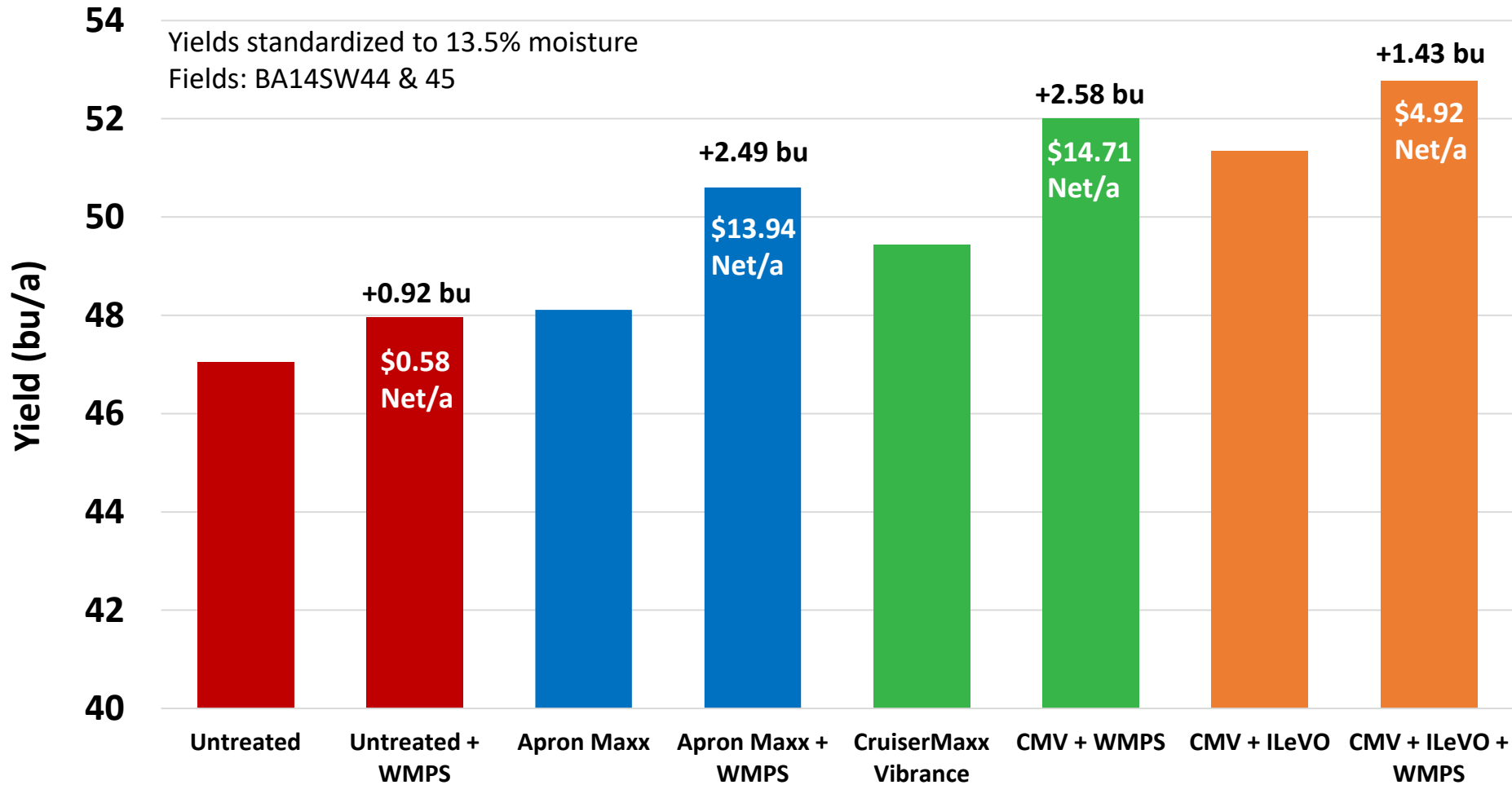
Research and Technology Plots

White Mold Additives



Soybean Seed Treatment- Yield, Gain and ROI

White Mold Protection System Trial- Bath



Average Gain to WMPS:

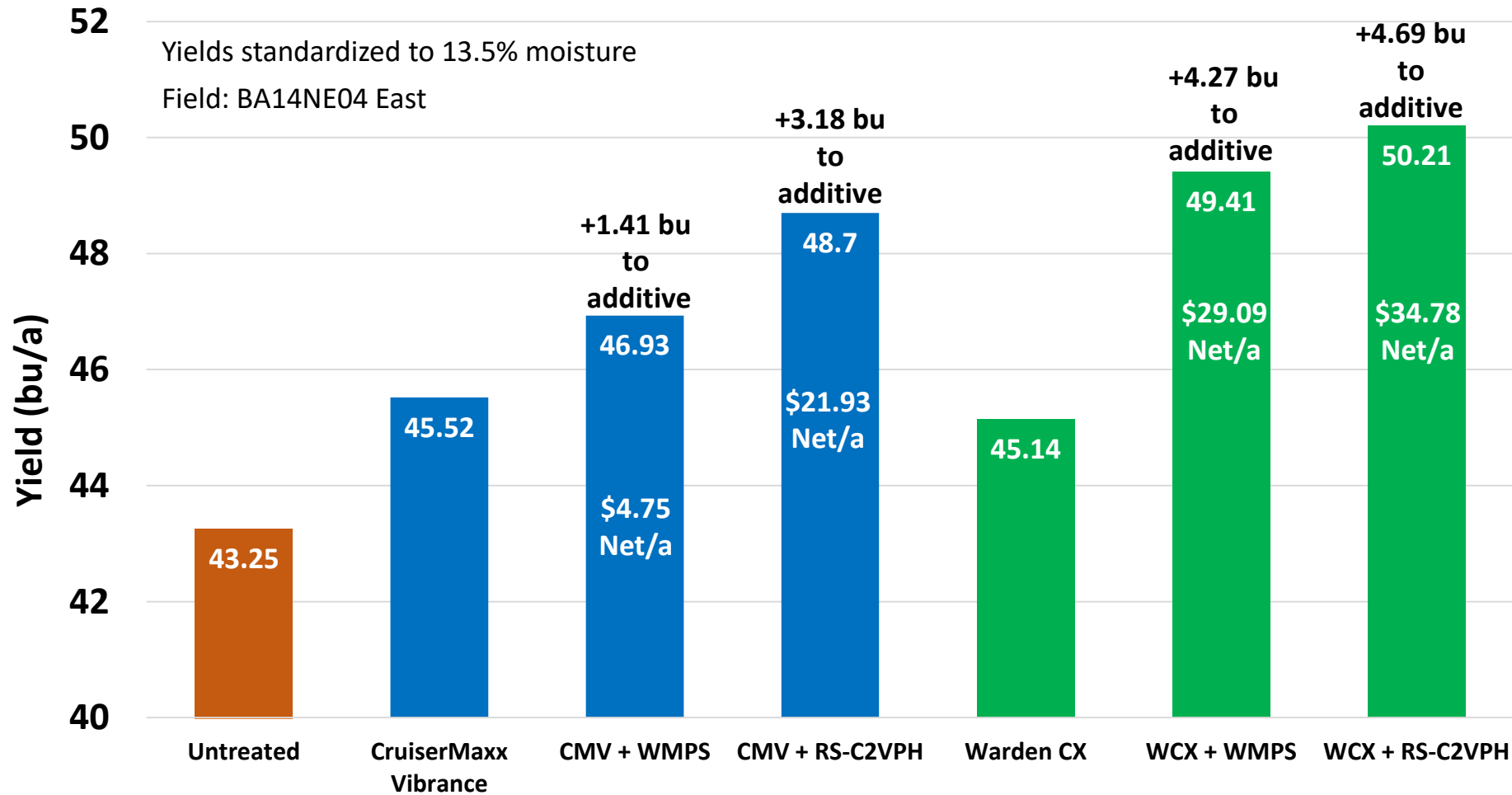
- 1.86 bu/a
- ROI/ Net return \$8.58/a



Prices based on CPP Price Sheet 10-30-19; Calculations based on \$8.51 AGP Price Aberdeen 10-30-19
WMPS priced at \$7.25/unit, Planting rate 140,000 seeds/acre

Soybean Seed Treatment- Yield, Gain and ROI

White Mold Additives Compared - Bath Location



Avg Gain to WMPS:

2.84 bu/a

ROI/ Net return =

\$16.92/acre

Avg Gain to

RS-C2VPH:

3.94 bu/a

ROI/ Net Return =

\$28.40/acre



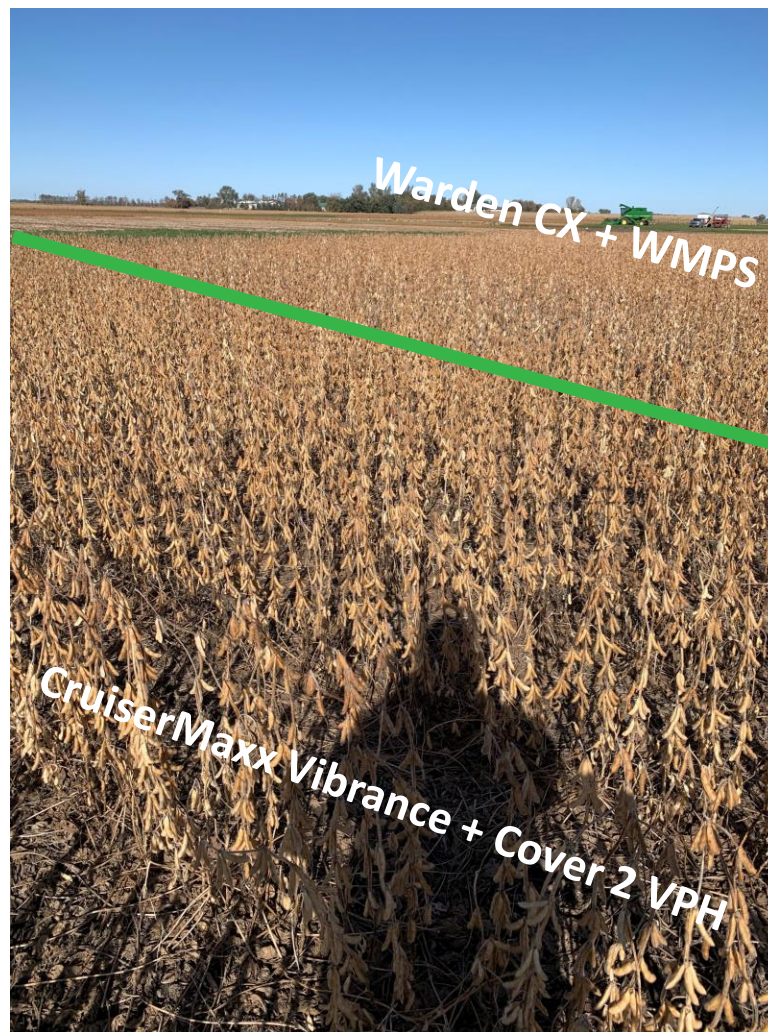
Prices based on CPP Price Sheet 10-30-19; Calculations based on \$8.51 AGP Price Aberdeen 10-30-19
WMPS priced at \$7.25/unit, RS-C2VPH priced at \$5.12/unit, Planting rate assumed at 140,000 seeds/acre

White Mold Additives: Field Trial

- This is a very positive data set for the value of applying white mold seed treatment additives for white mold management under extreme, extended white mold pressure
- **The White Mold Protection System (WMPS) from Rosen's performed admirably in the plots**
 - Yield gains are solid at 2-3 bushels per acre
 - Highest gains seen when added to the top fungicide platforms
 - ROI, is positive, ranging from \$1/acre to nearly \$22/acre, depending on the strength of the underlying fungicide, **Average ROI: \$16.92/acre**
- **RightStart Cover 2 VPH from Winfield United**
 - Excellent results- 3.3 to 4.7 bushel gains
 - In side-by side comparison with WMPS, the Cover 2 VPH provided clearly greater white mold control
 - Yield Gains, ROI and even grower pricing favor Cover 2 VPH
Average ROI: \$28.40/acre

Soybean Seed Treatment- Field Photos

White Mold Additives Compared - Bath Location



Cover 2 VPH controlled white mold to a greater extent than WMPS.
Consistent results across two base fungicides- CruiserMaxx Vibrance and Warden CX

