



RESEARCH UPDATE: HUMIHANCE

SOYBEAN TRIAL DETAILS

LOCATIONS

Maryland-Silt Loam

Soybean VARIETIES

Mid Atlantic Maturity 4.2

AVG. SEED RATE

144,000

COOPERATOR

Mulford Consulting

PLANT DATE RANGE

May 22, 2019

HARVEST DATE RANGE

November 21, 2019

TRIAL DESCRIPTION AND EXPERIMENTAL DESIGN

This field trial was replicated 4 times and arranged in a randomized complete block design.

TREATMENTS

Maryland

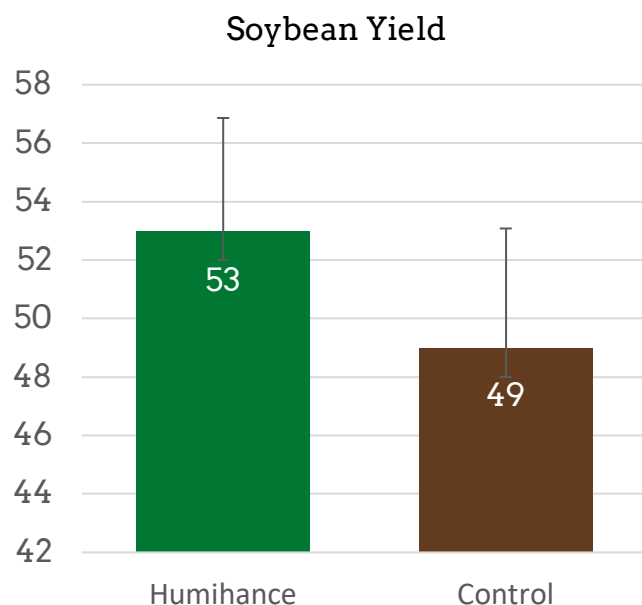
Treatment	Rate gal/ton	Dry Fertilizer	Application	Row Spacing	Reps
Humihance	0.5	100 lbs/a 18-46-0 + 150 lbs/a 0-0-60	Pre-plant Broadcast	15 in Rows x 6 Rows	4
Control	--	100 lbs/a 18-46-0 + 150 lbs/a 0-0-60	Pre-plant Broadcast	15 in Rows x 6 Rows	4

MAINTENANCE

Plots were prepared with early preplant burndown of ammonium sulfate, 2, 4 D Ester, Dual, and Roundup. Postemergence herbicide applications of Roundup and 2, 4 D, and insecticide application of Besiege.

TRIAL RESULTS SUMMARY

Humihance increases soybean yield and ROI compared to the control plots. Adding Humihance to dry fertilizer inputs increased yield by 4 bu/A compared to dry fertilizer inputs alone and had an ROI of \$30.00/A.



ROI*		
Treatment	Price/A	ROI/Control per Acre
Humihance	\$530.00	\$30.00
Control	\$490.00	--

*Calculated at \$10.00 Bu/A; Humihance \$80.00 gal