



BIOLOGICAL STUDY

IN-FURROW

PURPOSE

To evaluate various biological products, applied in-furrow, and their effects on yield and profitability.

2018 RESULTS

IN-FURROW TREATMENTS	PERCENT MOISTURE	BU./A.	BU./A. DIFFERENCE	RETURN ON INVESTMENT
Control	11.9	72.5	--	--
12.8 oz. TerraMax Liquid-IF™	12.0	73.8	+1.3	+\$9.12
6 oz. Excellerate®	12.0	73.0	+0.5	-\$1.71
8 oz. RizNate™	11.9	73.0	+0.5	-\$5.61
12.8 oz. AgZyme®	11.9	72.8	+0.3	-\$8.07

Soybeans \$9.79/Bu. AgZyme® \$110.00/gal. TerraMax Liquid-IF™ \$36.00/gal. RizNate™ \$168.00/gal. Excellerate® \$140.80/gal. These results are based on the disclosed study parameters and participating sites.

PARTICIPATING SITES

IN	KY	C.JL	S.JL	OH	IA
MN	WI	MO	S.KY	TN	

OBSERVATION

Responses to biological products are often geographically dependent. Despite this, **TerraMax Liquid-IF™**, on average, showed a positive yield and return on investment in our multi-location testing. The other products tested were a mix of biological and fertilizer type products, while **TerraMax Liquid-IF™** is formulated specifically for soybeans. It contains two strains of *B. japonicum*, which are essential to aid soybeans in natural nitrogen (N) fixation. We suspect this provided a benefit above what natural populations of *B. japonicum* could supply in terms of N and, in turn, translated into higher yields.

Eric Wilson
Field Agronomist

2-YEAR MULTI-LOCATION RIZNATE™ RETURN ON INVESTMENT



3-YEAR MULTI-LOCATION TERRAMAX LIQUID-IF™ ROI

