

Starter Additive Study - Restore Base

Soybeans

PURPOSE:

To evaluate various additive products with Restore™ as the carrier, applied in-furrow and their effects on yield, moisture and profitability

Location	In-Furrow Treatment	Percent Moisture	Test Weight	BU. / A.	BU. / A. Difference	Cost /A.	ROI
Gibbon, MN	Control: 16 oz. Restore™	13.2	56.4	74.8	--	--	--
	Restore™ + 8 oz. eXceed™ Nano Brown Sugar	13.0	57.4	75.0	+0.2	\$1.87	+ \$0.09
	Restore™ + 1 pt. NanoZyme2.0	13.2	56.7	75.3	+0.5	\$3.75	+ \$1.15
	Restore™ + 1 pt. Soil Revitalizer	13.1	57.4	74.9	+0.1	\$4.44	- \$3.46
	Restore™ + 1 pt. iNvigorate®	13.1	57.6	75.4	+0.6	\$8.50	- \$2.63
	Restore™ + 1 qt. Nutrisoil	13.1	57.9	74.0	-0.8	\$10.00	- \$18.63
New Ulm, MN	Control: 16 oz. Restore™	10.2	57.4	58.7	--	--	--
	Restore™ + 8 oz. eXceed™ Nano Brown Sugar	10.3	57.5	61.2	+2.5	\$1.87	+ \$22.61
	Restore™ + 1 pt. NanoZyme2.0	10.3	57.4	60.4	+1.7	\$3.75	+ \$12.89
	Restore™ + 1 pt. Soil Revitalizer	10.2	58.1	59.6	+0.9	\$4.44	+ \$4.37
	Restore™ + 1 pt. iNvigorate®	10.4	57.1	59.9	+1.2	\$8.50	+ \$3.25
	Restore™ + 1 qt. Nutrisoil	9.9	56.6	60.6	+1.9	\$10.00	+ \$8.60
2 Location Summary	Control: 16 oz. Restore™	11.7	56.9	66.8	--	--	--
	Restore™ + 8 oz. eXceed™ Nano Brown Sugar	11.7	57.5	68.1	+1.3	\$1.87	+ \$10.86
	Restore™ + 1 pt. NanoZyme2.0	11.8	57.1	67.9	+1.1	\$3.75	+ \$7.02
	Restore™ + 1 pt. Soil Revitalizer	11.7	57.8	67.3	+0.5	\$4.44	+ \$0.46
	Restore™ + 1 pt. iNvigorate®	11.8	57.4	67.7	+0.9	\$8.50	+ \$0.31
	Restore™ + 1 qt. Nutrisoil	11.5	57.3	67.3	+0.5	\$10.00	- \$5.12

Soybean \$9.79/Bu. - NanoZyme 2.0 \$30.00/gal. - eXceed™ Nano Brown Sugar \$30.00/gal. - Nutrisoil \$80.00/gal.

iNvigorate® \$68.00/gal. - Soil Revitalizer \$35.50/gal. (individual results may vary.)

OBSERVATION:

Restore™ has proven itself through its performance over 7 years in-furrow on soybeans. Restore™ assists the germination, vigor and emergence of soybeans, without the negative effects of salt. Gibbon, MN soybeans were planted May 10th, with cool wet conditions to follow. This may have slowed biological activity to the point the products tested showed little to no response. Between the 2 locations, the data tells us products like eXceed™ Nano Brown Sugar or NanoZyme2.0 to Restore™ in-furrow on soybeans can assist the overall ROI.

