

BECK'S Start Right Study - 2014

PLANTED:	May 3, 2014	PREVIOUS CROP:	Corn
HARVESTED:	September 29, 2014	TILLAGE:	Fall Vertical-Till/V-Rip, Spring S-Tine
POPULATION:	32,000 seeds/A.	HERBICIDE:	Pre: 1 qt. Princep® 4L, 2.3 qt. Bicep II Magnum®
ROWS:	Eight 30" Rows	Post:	1.7 qt. Lexar®, 1 qt. Roundup PowerMAX®
REPLICATIONS:	Two (averaged)	INSECTICIDE:	Escalate™
		PRODUCT TESTED:	BECK 6348A3

PURPOSE:

To evaluate the use of Start Right with our starter fertilizer program at planting, in an attempt to increase plant health and yield. A combination treatment of Start Right and Over The Top Corn was also tested. Both products are manufactured by Agro Logic, LLC.

Start Right is a proprietary formulation of macro and micronutrients sequestered in concentrated organic acids. It is fortified with proprietary plant extracts, enzymes and select soil bacteria. It is for use on all crops at planting or early sidedressing.

Over the Top Corn is a proprietary formulation of auxiliary nutrients (macro and micronutrients), designed for foliar application on corn, sorghum and other grains. The nutrient base is fortified with natural diterpenes, extracts of *ascophyllum nodosum*, natural fermentation compounds and enzymes.

Treatment	Emerged Population	Test ¹ Weight	Percent Moisture	Bushels ² Per Acre	Bu./A. Difference	Net ³ Return	Return on ⁴ Investment
Control	30,667	57.4	25.9	257.5	—	\$1,068.63	—
1 qt. Start Right 2x2	31,750	56.9	25.1	263.1	+5.6	\$1,081.37	+\$12.74
1 qt. Start Right 2x2 + 1 qt. Over the Top Corn @ V4	<u>31,667</u>	<u>56.8</u>	<u>25.0</u>	<u>265.7</u>	<u>+8.2</u>	<u>\$1,081.41</u>	<u>+\$12.78</u>
AVERAGE	31,361	57.0	25.3	262.1	+6.9	\$1,077.14	+\$12.76

¹Bu./A. and test weight corrected to 15% moisture. ²Net return is gross income (Bu./A. x \$4.15/Bu.) minus treatment cost. ³Return on investment is (Bu./A. difference x \$4.15/Bu.) minus treatment cost and application cost, if applicable. \$42.00/gal. Start Right, \$43.00/gal. Over the Top Corn.



Figure 1.



Figure 2.

SUMMARY:

This is the third year for evaluating Start Right in combination with our 18-18-0-3S starter fertilizer. All three years we have received a positive yield gain and return on investment. Since Start Right has been such a promising product, we decided to also pair it with another Agro Logic, LLC product called Over the Top Corn. Over the Top Corn was applied as a foliar application at the V4 growth stage. When used alone Start Right gave us a \$12.74/A. return on investment and Over the Top Corn added an additional \$0.04/A. Figure 1 and 2 illustrate three year data for Start Right showing an average yield increase of 11.7 Bu./A. with returns of \$50.55/A. Additionally, both products were used in other Central Indiana PFR research plots in 2014. Please refer to the Table of Contents to locate those studies.