



CoRoN[®] Nitrogen Study on Corn – 2007

Planted: April 28, 2007
Harvested: October 20, 2007
Soil Type: Ipava Silt Loam
Population: 34,000 seeds/A.
Rows: Twelve 30" rows

Previous Crop: Corn
Tillage: Chisel
Herbicide: Degree Xtra
 Roundup Original Max
Insecticide: None
Product Tested: BECK 5616CBWRR

RAINFALL	
April	5.54 in.
May	2.29 in.
June	2.83 in.
July	3.48 in.
August	<u>2.09 in.</u>
Total	16.23 in.

Purpose: To evaluate yield performance of Helena's 28-0-0 liquid foliar feed nitrogen product CoRoN[®]. Rates of 1-5 gallons were evaluated at V12 compared to a traditional side-dress nitrogen program.

Total # N	Nitrogen Treatment	Percent Moisture	Bushels* Per Acre	Cost of N	\$ Net Return
200	Control (100# Pre-plant 28% fb 100# Side-dress 28%)	16.3	202.2	\$86.50	\$590.91
165	150# Pre-plant fb 1 gallon CoRoN [®]	16.0	188.5	\$67.50	\$563.93
180	150# Pre-plant fb 2 gallons CoRoN [®]	16.1	190.1	\$73.50	\$563.35
200	Control (100# Pre-plant 28% fb 100# Side-dress 28%)	16.5	203.6	\$86.50	\$595.44
195	150# Pre-plant fb 3 gallons CoRoN [®]	16.2	190.2	\$79.50	\$557.62
210	150# Pre-plant fb 4 gallons CoRoN [®]	16.1	191.3	\$85.50	\$555.47
225	150# Pre-plant fb 5 gallons CoRoN [®]	16.1	190.9	\$91.50	\$547.92
200	Control (100# Pre-plant 28% fb 100# Side-dress 28%)	<u>16.2</u>	<u>203.7</u>	<u>\$86.50</u>	<u>\$595.83</u>
	AVERAGE	16.2	195.1	\$82.12	\$571.31
	100# Pre-plant fb 100# 28% Side-dress	16.3	203.2		\$594.06
	Average CoRoN [®] Treatment	16.1	190.2		\$557.66
	Average Yield Difference of all CoRoN [®] Treatments		1.7		
	Disadvantage for CoRoN [®] Treatments		-13.0		-\$36.40

*Bushels per acre corrected to 15% moisture. Plot weighed by BECK'S Hybrids – Jason Webster.
 CoRoN[®] is a registered trademark of Helena Holding Company.

Summary: Overall, CoRoN[®] treatment yielded an average of 13 Bu./A. less than the traditional 200# rate in a 100# 28% pre-plant and a 100# 28% side-dress. From 1-5 gallons/A. there was only a 1.7 Bu./A. difference between all CoRoN[®] nitrogen treatments. This would indicate that most of the nitrogen used was received from the 150# pre-plant and the post application of CoRoN[®] at V12 did not supply much benefit to the corn crop. After accounting for the cost of nitrogen, CoRoN[®] treatment averaged a net return loss of \$36.40 per acre compared to the control.



"Having a good dealer to work with is what I like the most and our Beck's dealer is the best.

The treated soybeans with 130,000 beans per bag are easy to use and get the right population put on. Treated beans seem to get a better stand and allow us to get good yields and use less seed. I get very good yields with my Beck's soybeans.

Winter killed our wheat and we learned it should have been Beck's seed. The company we used for seed wheat does not have a replant agreement and we had to pay for the corn seed to replant in the wheat field. I will be planting Beck's this year."

Mike Talty
 Ransom, IL