



2016 ELIZABETH CITY, NORTH CAROLINA

YIELD RESULTS

TREATMENT	YIELD	COST/ACRE	RETURN/ACRE
10-27-0 @ 10 GALLONS PER ACRE			
CONTROL	177.4		
NUTRICHARGE	188.6	\$9.00	+11.2 BPA \$67
10-27-0 @ 20 GALLONS PER ACRE			
CONTROL	179.5		
NUTRICHARGE	201.8	\$18.00	+22.3 BPA \$133

2017 COLUMBIA, NORTH CAROLINA

YIELD RESULTS

TREATMENT	YIELD	COST/ACRE	RETURN/ACRE
NUTRICHARGE- 10-27-0 IF @ 6 GALLONS PER ACRE VS 10-27-0 @ 20 GPA			
CONTROL	156.7		
NUTRICHARGE	169.2	\$5.40	+12.5 BPA \$75

2018 PLYMOUTH, NORTH CAROLINA

YIELD RESULTS

TREATMENT	YIELD	COST/ACRE	RETURN/ACRE
6-24-6 @ 5 GALLONS PER ACRE			
CONTROL	137.31		
NUTRICHARGE	157.4	\$4.50	+20.09 BPA \$120
6-24-6 @ 2.5 GALLONS PER ACRE			
CONTROL	132.7		
NUTRICHARGE	157.92	\$2.25	+25.22 BPA \$151



2019 COLUMBIA, NORTH CAROLINA

YIELD RESULTS

TREATMENT	YIELD	COST/ACRE	RETURN/ACRE
NUTRICHARGE- 10-27-0 IF @ 2.5 GALLONS PER ACRE VS 10-27-0 IF @ 5 GPA			
CONTROL	124.4		
NUTRICHARGE	136.0	\$2.25	+11.6 BPA \$69.6

2021 PLYMOUTH, NORTH CAROLINA

YIELD RESULTS

TREATMENT	YIELD	COST/ACRE	RETURN/ACRE
17-17-0 @ 5 GPA			
CONTROL	224.9 BPA		
NUTRICHARGE	227.5 BPA	\$4.37	+2.6 BPA \$15.60
17-17-0 @ 2 GPA			
CONTROL	223.1 BPA		
NUTRICHARGE	232.5 BPA	\$1.75	+9.4 BPA \$56.4
10-27-0 @ 20 GPA			
CONTROL	223.3 BPA		
NUTRICHARGE (HV)	240.1 BPA	\$8.75	+16.8 BPA \$100.8

16.8

BUSHEL PER ACRE

AVERAGE YIELD INCREASE FOR ALL TRIALS USING FULL RATE STARTER FERTILIZER

13.9

BUSHEL PER ACRE

AVERAGE YIELD INCREASE FOR ALL TRIALS USING 50% REDUCED STARTER FERTILIZER



TRIAL DETAILS

Research Facility- North Carolina State University

Collaborator- Dr. Ron Heiniger

Locations: Plymouth NC

Crop- Corn, Replicated 4 times

Fertilizer- 17-17-0 Starter, 10-27-0 2x2

Objective- Evaluate NutriCharge treated 17-17-0 & 10-27-0 at planting

YIELD RESULTS

TREATMENT	YIELD	COST/ACRE	RETURN/ACRE
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17-17-0 @ 5 GPA

CONTROL	224.9 BPA		
NUTRICHARGE	227.5 BPA	\$4.37	+2.6 BPA \$15.20

17-17-0 @ 2 GPA

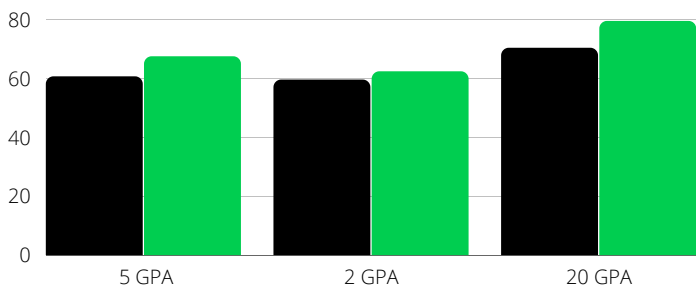
CONTROL	223.1 BPA		
NUTRICHARGE	232.5 BPA	\$1.75	+9.4 BPA \$55.27

10-27-0 @ 20 GPA

CONTROL	223.3 BPA		
NUTRICHARGE (HV)	240.1 BPA	\$8.75	+16.8 BPA \$98.74

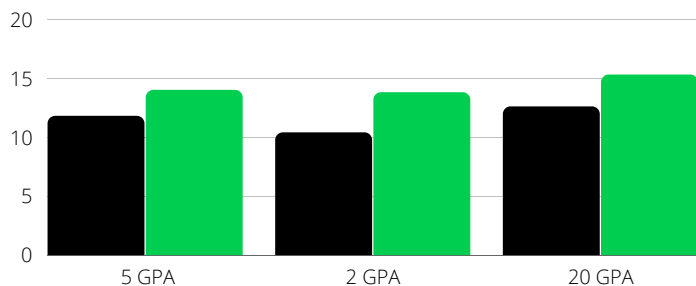
****CORN PRICE \$5.88 PER BUSHEL**

WHOLE PLANT BIOMASS & V10 g/plant



+12.1% **+4.5%** **+11.5%**

PHOSPHORUS UPTAKE LBS/ACRE



+22.9% **+24.64%** **+17.7%**

TRIAL DETAILS

Research Facility- North Carolina State University

Collaborator- Dr. Ron Heiniger

Locations: Plymouth NC

Crop- Soybean, Replicated 4 times

Fertilizer- 3-18-18 in furrow

Objective- Evaluate NutriCharge treated 3-18-18 at planting

YIELD RESULTS			
TREATMENT	YIELD	COST/ACRE	RETURN/ACRE
NO STARTER	42.4		
3-18-18 2.5 GPA	46.5		
3-18-18 2.5 GPA + NC	48.4	\$2.18	+1.9 BPA \$22.80
3-18-18 5 GPA	48.3		
3-18-18 5 GPA + NC	52.2	\$4.37	+3.9 BPA \$46.80

****SOYBEAN PRICE \$12.00 PER BUSHEL**

