

From: Matt Griggs robmgrig@hotmail.com 
Subject: 2020 MicroNoc corn trial results
Date: September 19, 2020 at 12:05 AM
To: Andy Reynolds sonoag@hotmail.com

Attached you will find the results of my trials testing your soil health inoculant. This is the fourth year in a row that the replicated trials have shown MicroNoc to greatly increase corn yields.

2020: 9 bu/acre advantage
2019: 3 bu/acre advantage
2018: 13 bu/acre advantage
2017: 15 bu/acre advantage


Not only do I see consistently increased yields, but I've noticed significantly faster dry down of corn and increased test weights. I started using it on all of my corn acres last year and have seen some of the best yields I've ever had. Just thought you would like to know.


Matt Griggs


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2017 Corn MicroNoc
trial.xls


2018 Corn MicroNoc
Trial.xls


2019 Corn MicroNoc
Trial.xls



2017 Corn
Producer: Matt Griggs
Date Plant-Harvest: 4/18-9/8
Tillage: No-Till Plant Pop: 28 K
Variety: Pioneer P1257 YHR
Fertilizer: 1.5 T Chicken Litter, VR K, 85 lbs N at planting, 115 lbs N at V5
Herbicide: 1qt. Gramoxone, 40 oz Sequence, 8 oz Roundup
Fung/Insec: Trivapro 13.5 oz
Rows and spacing: 6 Rows X 38 inch spacing

Previous Crop: Wheat/Doublecrop Soybeans,
Covercrop: 10 lbs creal rye, 10 lbs oats, 2 lbs a
8 lbs crimson clover, 10 lbs winter pea, 6 lbs v
Cover Crop planting: Nov 13

Cover crop termination: 4/18
Organic Matter: 2.2%

Plot	Treatment	Gross Weight	% M	Plot Length feet	Plot Width feet	Acre	Wet Bushels	Dry Bushels
1	No MicroNoc seed treatment	5180	18.90%	947	19.00	0.41	223.94	214.93
2	MicroNoc seed treated at 1.5 lbs/acre	5560	17.90%	947	19.00	0.41	240.36	233.54
3	MicroNoc seed treated at 1.5 lbs/acre	5420	18.00%	947	19.00	0.41	234.31	227.38
4	No MicroNoc seed treatment	4800	18.30%	947	19.00	0.41	207.51	200.63
5	No MicroNoc seed treatment	4840	17.70%	947	19.00	0.41	209.24	203.79
6	MicroNoc seed treated at 1.5 lbs/acre	4980	17.60%	947	19.00	0.41	215.29	209.94
7	MicroNoc seed treated at 1.5 lbs/acre	5180	17.60%	947	19.00	0.41	223.94	218.37
8	No MicroNoc seed treatment	5060	17.90%	947	19.00	0.41	218.75	212.54
								215.1
	No MicroNoc seed treatment Avg							207.97
	MicroNoc seed treatment at 1.5 lbs/acre Avg							222.31
	MicroNoc seed treatment at 1.5 lbs/acre moisture Avg							17.78%
	No MicroNoc seed treatment moisture Avg							18.20%
	Conclusion: The MicroNoc soil health inoculant is worth taking a look at on corn at planting.							

2018 Corn
Producer: Matt Griggs
Date Plant-Harvest: 4/22-9/13
Tillage: No-Till Plant Pop: 28 K
Variety: Pioneer P1870 YHR
Fertilizer: 1.5 T Chicken Litter, VR K, 85 lbs N at planting, 95 lbs N at V5
Herbicide: 1qt. Gramoxone, 40 oz Sequence, 8 oz Roundup, 40 oz Atrazine
Fung/Insec: Trivapro 13.5 oz
Rows and spacing: 6 Rows X 38 inch spacing

Previous Crop: Wheat/Doublecrop Soybeans,
Covercrop: 10 lbs creal rye, 10 lbs oats, 2 lbs a
8 lbs crimson clover, 10 lbs winter pea, 6 lbs v
Cover Crop planting: Nov 13
Cover crop termination: 4/22
Organic Matter: 2.5%

Plot	Treatment	Gross Weight	% M	Plot Length feet	Plot Width feet	Acre	Wet Bushels	Dry Bushels
1	No MicroNoc seed treatment	3100	16.50%	625	19.00	0.27	203.06	200.66
2	MicroNoc seed treated	3280	16.30%	625	19.00	0.27	214.85	212.82
3	No MicroNoc seed treatment	2760	16.20%	625	19.00	0.27	180.79	179.29
4	MicroNoc seed treated	3140	16.30%	625	19.00	0.27	205.68	203.73
5	No MicroNoc seed treatment	2960	16.50%	625	19.00	0.27	193.89	191.60
6	MicroNoc seed treated	2960	16.20%	625	19.00	0.27	193.89	192.28
7	No MicroNoc seed treatment	2800	16.50%	625	19.00	0.27	183.41	181.24
8	MicroNoc seed treated	3020	16.60%	625	19.00	0.27	197.82	195.25
								194.6
	No MicroNoc seed treatment Avg							188.20
	MicroNoc seed treatment Avg							201.02
	MicroNoc seed treatment moisture Avg							16.35%
	No MicroNoc seed treatment moisture Avg							16.43%
Conclusion: The MicroNoc soil health innoculant is worth taking a look at on corn at planting.								

2019 Corn
Producer: Matt Griggs
Date Plant-Harvest: 4/17-9/4
Tillage: No-Till Plant Pop: 28 K
Variety: Pioneer P1464 VYHR
Fertilizer: 1.5 T Chicken Litter, VR K, 85 lbs N at planting, 115 lbs N at V5
Herbicide: 1qt. Gramoxone, 40 oz Sequence, 4 ox Realm Q, 40 oz Atrazine
Fung/Insec: Trivapro 13.5 oz
Rows and spacing: 6 Rows X 38 inch spacing

Previous Crop: Soybeans, cover crop
Covercrop: 10 lbs creal rye, 10 lbs oats, 3 lbs a
8 lbs crimson clover, 10 lbs winter pea, 6 lbs v
Cover Crop planting: Oct 5
Cover crop termination: 4/17
Organic Matter: 2.5%

Plot	Treatment	Gross Weight	% M	Plot Length feet	Plot Width feet	Acre	Wet Bushels	Dry Bushels
1	No MicroNoc seed treatment	5560	19.70%	1056	19.00	0.46	215.55	204.84
2	MicroNoc seed treated	5340	19.10%	1056	19.00	0.46	207.03	198.21
3	No MicroNoc seed treatment	5400	19.10%	1056	19.00	0.46	209.35	200.43
4	MicroNoc seed treated	5820	19.20%	1056	19.00	0.46	225.63	215.75
5	No MicroNoc seed treatment	5580	19.00%	1056	19.00	0.46	216.33	207.37
6	MicroNoc seed treated	5730	18.80%	1056	19.00	0.46	222.15	213.47
7	No MicroNoc seed treatment	5560	18.00%	1056	19.00	0.46	215.55	209.18
8	MicroNoc seed treated	5340	17.90%	1056	19.00	0.46	207.03	201.15
								206.3
	No MicroNoc seed treatment Avg							205.45
	MicroNoc seed treatment Avg							207.14
	MicroNoc seed treatment moisture Avg							18.75%
	No MicroNoc seed treatment moisture Avg							18.95%
Conclusion: The MicroNoc soil health inoculant is worth taking a look at on corn at planting.								

2020 Corn
 Producer: Matt Griaas
 Date Plant-Harvest: 4/27-9/18
 Tillage: No-Till Plant Pop: 28 K
 Varietv: Pioneer P1847 VYHR
 Fertilizer: 1.5 T Chicken Litter. VR K. 85 lbs N at planting. 95 lbs N at V5
 Herbicide: 1qt. Gramoxone. 32oz Roundup. 4 ox Realm Q. 64 oz Atrazine
 Funa/Insec: Trivapro 13.5 oz
 Rows and spacing: 6 Rows X 38 inch spacing

Previous Crop: Soybeans. cover crop
 Covercrop: 10 lbs creal rve. 10 lbs oats. 3 lbs annual rve.
 8 lbs crimson clover. 10 lbs winter pea. 6 lbs vetch. 1 lb rape
 Cover Crop planting: Nov 12
 Cover crop termination: 4/27
 Organic Matter: 2.8%

Plot	Treatment	Gross Weight	% M	Plot Length feet	Plot Width feet	Acre	Wet Bushels	Dry Bushels	Test Weight
1	No MicroNoc seed treatment	5460	20.10%	1020	19.00	0.44	219.15	207.22	57.4
2	MicroNoc seed treated	5570	17.90%	1020	19.00	0.44	223.56	217.21	59.2
3	No MicroNoc seed treatment	5810	19.50%	1020	19.00	0.44	233.20	222.16	58.1
4	MicroNoc seed treated	5700	17.50%	1020	19.00	0.44	228.78	223.37	60.5
5	No MicroNoc seed treatment	5162	20.30%	1020	19.00	0.44	207.19	195.42	57.7
6	MicroNoc seed treated	5760	16.80%	1020	19.00	0.44	231.19	227.63	61.0
7	No MicroNoc seed treatment	5858	20.10%	1020	19.00	0.44	235.12	222.32	57.6
8	MicroNoc seed treated	5682	17.20%	1020	19.00	0.44	228.06	223.47	62.0
9	No MicroNoc seed treatment	5722	19.80%	1020	19.00	0.44	229.66	217.98	58.6
10	MicroNoc seed treated	5578	18.30%	1010	19.00	0.44	226.10	218.61	58.5
								217.4	
No MicroNoc seed treatment Avg								213.02	
MicroNoc seed treatment Avg								222.06	
MicroNoc seed treatment moisture Avg								17.54%	
No MicroNoc seed treatment moisture Avg								19.96%	
MicroNoc Test Weight Avg								60.24	
No MicroNoc Test Weight Avg								57.88	
Conclusion: For the fourth year in a row, MicroNoc Soil Health Innoculant has led to big yield increases and consistently drier corn.									