

SOIL TEST RESULTS

PRODUCER INFORMATION

Site ID: NTS-1623699605
 Registered By: Linkenmeyer, Kenny (NCFS)
 Producer: Wayne Siela
 Cell Phone: 0

SITE INFORMATION

Field Name: Reynold's West
 Acres: 0
 Prev. Crop: Soybean
 Expected Yield: 250

OTHER INFORMATION

Crop Specialist: Linkenmeyer, Kenny (NCF)
 Report Reviewer: Howard Brown
 Sampler: Kenny Linkenmeyer
 Lab Used: Midwest Lab

Sampling Date	SOIL DEPTH	SOIL O.M.	P TEST	K TEST	Mg TEST	Ca TEST	SOIL Ph	Buffer			% Ca	% H	S TEST	Zn TEST	Mn TEST	B TEST	
								pH	CEC	% K							
6/11/2021	0-1 FT.	3.7	36	196	454	3669	5.6	6.4	28.9	1.7	13.1	63.5	21.4	13	1.8	43	0.4
	1-2 FT.	2.3	19	248	653	3785	6	6.6	29.2	2.2	18.6	64.8	14	16	1.5	33	0.4
7/15/2021	0-1 FT.	3.8	37	185	496	3838	5.8	6.5	28.6	1.7	14.5	67.1	16.4	12	2	41	0.5
	1-2 FT.	1.9	1	164	673	3536	6.1	6.6	27.4	1.5	20.5	64.5	13.2	7	0.7	12	0.4
	0-1 FT.																
	1-2 FT.																
SUFFICIENCY	0-1 FT.	H	S				L			L	S	S		L	S	H	L
	1-2 FT.	L	S				S			L	H	L		L	L	S	L
SUFFICIENCY RANGE (VT)	Low End	15	129				6.0			2	10	65		13	1.1	9	0.8
	High End	30	217				7.0			5	15	75		24	6	30	2

SUGGESTIONS BASED UPON SAMPLING DATE: 7/15/2021

P	Phosphorus concentration sufficient
K	Potassium concentration sufficient
Mg	No Comments
Ca	No Comments
pH	Consider an application of lime in near future
S	Consider 15-20 lbs. sulfate-S ahead of next corn crop
Zn	Zinc concentration considered Adequate
Mn	Manganese concentration considered High
B	Consider an application of boron/A pre-plant or post-emerge

COMMON NUTRIENT RATIOS

Phosphorus/Zinc Ratio:	19
Acceptable Range:	25 - 154

BASE SATURATION **DESIRED RANGE**

% Potassium: 1.7	2-5%
% Magnesium: 14.5	10-15%
% Calcium: 67.1	65-75%

L = LOW S = SUFFICIENT H = HIGH



TISSUE TEST RESULTS

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Sampling Date	GROWTH STAGE	PART HARVESTED	Percent (%)							Parts per Million (ppm)					
			N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al
6/11/2021	V4	WHOLE PLANT	5.02	0.34	0.58	3.50	0.32	0.87	0.01	8.00	44.0	8.0	335.0	16.0	0.0
7/15/2021	VT	OPP/BELOW EAR	4.35	0.26	0.41	2.00	0.30	0.78	0.00	28.00	46.00	69.00	131.00	13.00	0.00

SUFFICIENCY	H	S	H	S	S	H		H	S	S	S	S	
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SUFFICIENCY RANGE (VT)	LOW END	2.80	0.20	0.25	1.80	0.20	0.30		10	25	30	50	6	
	HIGH END	3.50	0.50	0.40	3.00	0.50	0.70		20	50	100	250	20	

SUGGESTIONS BASED UPON SAMPLING DATE: 7/15/2021

N	Nitrogen concentration sufficient
S	Sulfur concentration sufficient
P	Phosphorus concentration sufficient
K	Potassium concentration sufficient
Mg	Magnesium concentration sufficient
Ca	Calcium concentration sufficient
Na	Not essential for plant growth
B	Boron concentration sufficient
Zn	Zinc concentration sufficient
Mn	Manganese concentration sufficient
Fe	Iron concentration sufficient
Cu	Copper concentration sufficient
Al	Not essential for plant growth

Comments:
 Sufficiency Ranges taken from A&L Great Lakes Lab Agronomy Handbook with exception of Boron. Midwest Lab's Sufficiency Range used for Boron.

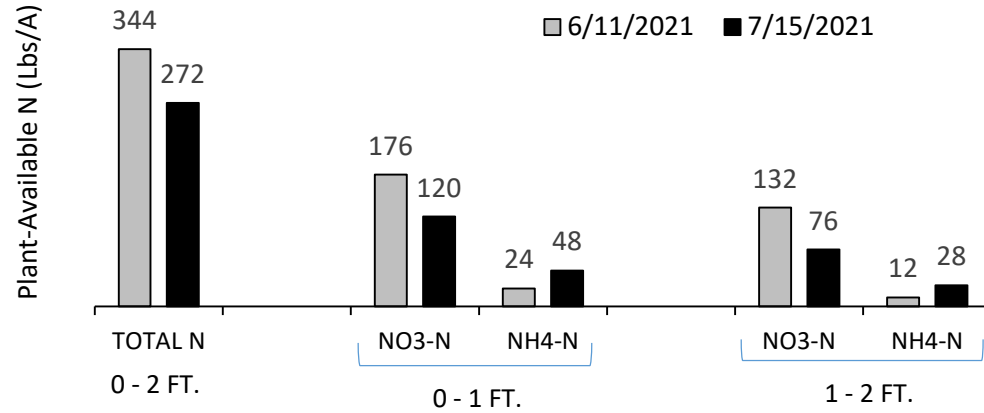
Site ID:

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ESTIMATED CHANGE IN SOIL N

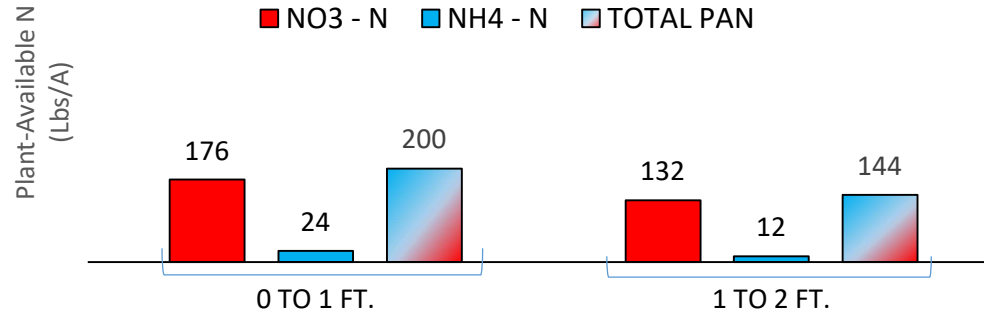
BASELINE SOIL N AT:	V4	344
BARE SOIL N AT:	VT	272
+/- LBS. N:		-72

PLANT-AVAILABLE N CHANGE BETWEEN TWO SAMPLING DATES



DATE: 6/11/2021
STAGE: V4

	0 TO 1 FT.	1 TO 2 FT.
NO ₃ - N	176	132
NH ₄ - N	24	12
TOTAL PAN	200	144
TOTAL PAN (2 FT)	344	



DATE: 7/15/2021
STAGE: VT

	0 TO 1 FT.	1 TO 2 FT.
NO ₃ - N	120	76
NH ₄ - N	48	28
Lbs N (2 ft)	168	104
TOTAL PAN (2 FT)	272	

