EARLY GROWTH REPORT

REGISTRATION DATE: 2021-06-14 13:40:08

SAMPLING DATE:	6/11/2021
GROWTH STAGE:	V4

PRODUCER INFORMATION

Site ID:	NTS-1623699605
Registered By:	Kenny Linkenmeyer
Producer Name:	Wayne Siela
Cell Phone:	0

SITE INFORMATION

Field Name:	Reynold's West
Acres:	0.0
Prev. Crop:	Soybean
Expected Yield:	250

OTHER INFORMATION

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

NITROGEN STATUS

PLANT:	ABOVE SUFFICIENCY
SOIL:	SUFFICIENT
OVERALL ASSESSMENT:	SUFFICIENT
LBS N TO APPLY:	0

SULFUR STATUS

PLANT:	SUFFICIENT
SOIL:	SUFFICIENT
OVERALL ASSESSMENT:	SUFFICIENT
ACTION SUGGESTED:	No indication of S needed
FORM:	
RATE:	

ZINC STATUS

PLANT STATUS:	SUFFICIENT
SOIL STATUS:	SUFFICIENT
OVERALL ASSESSMENT:	SUFFICIENT
ACTION SUGGESTED:	No indication of Zn needed
FORM:	
RATE:	

BORON STATUS

PLANT STATUS:	NOT SUFFICIENT
SOIL STATUS:	NOT SUFFICIENT
OVERALL ASSESSMENT:	NOT SUFFICIENT
ACTION SUGGESTED:	Apply 1 Qt/Acre 10% B
FORM:	
RATE:	1 Qt/Acre

NuTRACKER PLUS

Current Sampling Date: 6/11/2021
Date of Registration: 2021-06-14 13:40:08

NEW CENTURY FS

PRODUCER INFORMATION

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

SITE INFORMATION

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OTHER INFORMATION

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

Estimated N Requirement:	250
O.M. (% at 7 in.):	2.5
Est. Mineralized N (lbs. N):	63

PLANT-AVAILABLE N UPDATE

Sampling Date: 6/11/2021

Projected Pounds of N/Acre Needed by Corn Crop: 250 Lbs. ← Plant uptake needed by maturity.
(Projected N requirement = Expected Yld x 1.1)

Pounds of Plant-Available Supplied Detected at 0-2 feet: 304 Lbs. ← Current Lbs. N detected in upper 2 ft.
(If plants beyond V4-5 amount is irrevelant. Refer to "Data Summary-Bare Soil".)

Pounds N/Acre Remaining to Meet N Requirement: **0** lbs. ← What needs to be provided by maturity
(If plants beyond V4-5 amount is irrevelant. Refer to "Data Summary-Bare Soil".)

	SOIL NITROGEN (Estimate)			
	0 - 2 FT. SAMPLING DEPTH			
Date Tested	NO3-N (Lbs/A)	NH4-N (Lbs/A)	% NH4 PAN	TOTAL PAN (lbs/A)
6/11/2021	264.0	40.0	13.2%	304.0

NITROGEN APPLICATION HISTORY

Applied	N Source	Placement	Rate (N)	Enhancement
11/1/2020	Anhydrous Am.	Injected	175	0
4/20/2021	UAN	ırface Broadca	30	0

SOIL TEST RESULTS

PRODUCER INFORMATION		SITE INFORMATION		OTHER INFORMATION	
Site ID:	NTS-1623699605	**Field Name:**	Reynold's West	**Crop Specialist:**	Linkenmeyer, Kenny (NCF
Registered By:	Linkenmeyer, Kenny (NCFS)	**Acres:**	0	**Report Reviewer:**	Howard Brown
Producer:	Wayne Siela	**Prev. Crop:**	Soybean	**Sampler:**	Kenny Linkenmeyer
Cell Phone:	0	**Expected Yield:**	250	**Lab Used:**	Midwest Lab

Sampling Date	SOIL DEPTH	SOIL O.M.	P TEST	K TEST	Mg TEST	Ca TEST	SOIL Ph	Buffer pH	CEC	% K	% Mg	% Ca	% H	S TEST	Zn TEST	Mn TEST	B TEST
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
	0-1 FT.																
	1-2 FT.																
	0-1 FT.																
	1-2 FT.																
SUFFICIENCY	***0-1 FT.***	*H*	*S*		*L*		*L*	*S*	*L*		*S*	*S*	*H*	*L*			
	1-2 FT.	*S*	*H*		*S*		*S*	*H*	*L*		*S*	*S*	*H*	*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: 6/11/2021

P	*Phosphorus concentration sufficient*
K	*Potassium concentration sufficient*
Mg	*No Comments*
Ca	*No Comments*
pH	*Consider an application of lime in near future*
S	*Sulfur concentration considered Adequate*
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:	20
Acceptable Range:	**25 - 154**

BASE SATURATION		DESIRED RANGE
% Potassium:	1.7	2-5%
% Magnesium:	13.1	**10-15%**
% Calcium:	63.5	65-7 5%

L = LOW S = SUFFICIENT H = HIGH

TISSUE TEST RESULTS

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			Percent (%)							Parts per Million (ppm)					
Sampling Date	**GROWTH STAGE**	**PART HARVESTED**	**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
SUFFICIENCY			H	S	H	H	S	H		L	S	L	H	S	
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: 6/11/2021

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	Consider an application of supplemental manganese prior to next corn crop
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.