



REGISTRATION DATE: 2021-05-18 20:09:33

# EARLY GROWTH REPORT

SAMPLING DATE: 6/2/2021

GROWTH STAGE:

## PRODUCER INFORMATION

Site ID:	NTS-1621390172
Registered By:	Howard Brown
Producer Name:	Shane Winnett
Cell Phone:	0

## SITE INFORMATION

Field Name:	Newby North 40
Acres:	38.0
Prev. Crop:	Soybean
Expected Yield:	300

## OTHER INFORMATION

Crop Specialist:	Bloemker, Craig
Report Reviewer:	Howard Brown
Sampler:	Howard Brown
Lab Used:	KSI LABS

## NITROGEN STATUS

PLANT:	<b>ABOVE SUFFICIENCY</b>
SOIL:	<b>SUFFICIENT</b>
OVERALL ASSESSMENT:	<b>SUFFICIENT</b>
LBS N TO APPLY:	0

## SULFUR STATUS

PLANT:	<b>SUFFICIENT</b>
SOIL:	<b>SUFFICIENT</b>
OVERALL ASSESSMENT:	<b>SUFFICIENT</b>
ACTION SUGGESTED:	No indication of S needed
FORM:	
RATE:	

## ZINC STATUS

PLANT STATUS:	<b>SUFFICIENT</b>
SOIL STATUS:	<b>NOT SUFFICIENT</b>
OVERALL ASSESSMENT:	<b>DEFICIENCY POSS.</b>
ACTION SUGGESTED:	Consider test strips
FORM:	NUTRIBLAST Zn
RATE:	2-3 Pts/Acre

## BORON STATUS

PLANT STATUS:	<b>SUFFICIENT</b>
SOIL STATUS:	<b>NOT SUFFICIENT</b>
OVERALL ASSESSMENT:	<b>DEFICIENCY POSS.</b>
ACTION SUGGESTED:	Consider test strips
FORM:	NACHURS 10% B
RATE:	1 Qt/Acre



Current Sampling Date: 6/2/2021

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2021-05-18 20:09:33



**PRODUCER INFORMATION**

Site ID: NTS-1621390172  
 Registered By: Bloemker, Craig  
 Producer Name: Shane Winnett  
 Cell Phone:

**SITE INFORMATION**

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 Prev. Crop: Soybean  
 Expected Yield: 300

**OTHER INFORMATION**

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 Report Reviewer: Howard Brown  
 Sampler: Howard Brown  
 Lab Used: KSI LABS

**PLANT-AVAILABLE N UPDATE**

Sampling Date: 6/2/2021

**Projected Pounds of N/Acre Needed by Corn Crop:**

300 Lbs. ← Plant uptake needed by maturity.

*(Projected N requirement = Expected Yld x 1.1)*

**Pounds of Plant-Available Supplied Detected at 0-2 feet:**

424 Lbs. ← Current Lbs. N detected in upper 2 ft.

*(If plants beyond V4-5 amount is irrelevant. 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 irrelevant. Refer to "Data Summary-Bare Soil".)*

	SOIL NITROGEN (Estimate)			
	0 - 2 FT. SAMPLING DEPTH			
	NO3-N (Lbs/A)	NH4-N (Lbs/A)	% NH4 PAN	TOTAL PAN (lbs/A)
Date Tested				
6/2/2021	304.0	120.0	28.3%	424.0

**NITROGEN APPLICATION HISTORY**

Applied	N Source	Placement	Rate (N)	Enhancement
4/26/2021	Anhydrous Am.	Injected	150	None

# SOIL TEST RESULTS



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Sampling Date	SOIL DEPTH	SOIL O.M.	P TEST		K TEST		Mg TEST	Ca TEST	Buffer			Zn TEST			Mn TEST		
			P TEST	K TEST	TEST	TEST	SOIL Ph	pH	CEC	% K	% Mg	% Ca	% H	S TEST	TEST	TEST	B TEST
6/2/2021	0-1 FT.	2.8	13	296	934	5013	6.1	6.9	20.5	1.9	19	61.2	17.9	13	1.7	32	0.9
	1-2 FT.	2.3	16	285	1308	5129	6	6.9	23.3	1.6	23.4	55.1	19.9	10	1.5	35	1
	0-1 FT.																
	1-2 FT.																
	0-1 FT.																0
	1-2 FT.																0
SUFFICIENCY	0-1 FT.	L	S		S		L	H	L		S	L	S	L			
	1-2 FT.	L	S		S		L	H	L		L	L	S	L			
SUFFICIENCY	Low End	30	250		6.0		2	10	65		12	6	30	1.2			
RANGE (VT)	High End	46	400		7.0		5	15	75		24	10	58	2.4			

## SUGGESTIONS BASED UPON SAMPLING DATE: 6/2/2021

P	Examine soil test P level.
K	Potassium concentration sufficient
Mg	No Comments
Ca	No Comments
pH	Soil pH adequate
S	Sulfur concentration considered Adequate
Zn	Consider 1 qt. Nutriblast Zn/Acre as a foliar treatment
Mn	Manganese concentration considered Adequate
B	Consider an application of boron/A pre-plant or post-emerge

## COMMON NUTRIENT RATIOS

Phosphorus/Zinc Ratio:	8
Acceptable Range:	25 - 154

## BASE SATURATION DESIRED RANGE

% Potassium: 1.9	2-5%
% Magnesium: 19.0	10-15%
% Calcium: 61.2	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
6/2/2021	V4	WHOLE PLANT	4.54	0.22	0.47	4.39	0.23	0.52	0.04	7.00	38.0	62.0	208.0	13.0	0.0

SUFFICIENCY	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al
	H	S	H	H	S	S		S	S	S	S	S	

SUFFICIENCY RANGE (VT)	LOW END	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al
	HIGH END	2.80	0.20	0.25	1.80	0.20	0.30		6	25	30	50	10	
	3.50	0.50	0.40	3.00	0.50	0.70		20	50	100	250	20		

### SUGGESTIONS BASED UPON SAMPLING DATE: 6/2/2021

- N Nitrogen concentration sufficient
- S Sulfur concentration sufficient
- P Phosphorus concentration above sufficiency
- 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: