

REPORT NUMBER

24-295-0836

COMPLETED DATE

Oct 23, 2024

RECEIVED DATE

Oct 21, 2024

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30204

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PAGE 1/5

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Oct 23, 2024

**FRONTLINE GENETICS
CHERYL AND ROBERT CORZATT
221 W NORTH ST
STRONGHURST IL 61480**

IDENTIFICATION

FARMERS NATIONAL COMPANY**13309 PETTIT****13309 NORTH TRACT****SOIL ANALYSIS REPORT**

LAB NUMBER	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O. I.	PHOSPHORUS						NEUTRAL AMMONIUM ACETATE (EXCHANGEABLE)								INFO SHEET: 1717191									
									POTASSIUM		MAGNESIUM		CALCIUM		SODIUM		pH		CATION EXCHANGE CAPACITY C.E.C. meq/100g	PERCENT BASE SATURATION (COMPUTED)						
			P ₁ (WEAK BRAY)		P ₂ (STRONG BRAY)		OLSEN BICARBONATE P		K		Mg		Ca		Na		SOIL pH 1:1	BUFFER INDEX		% K	% Mg	% Ca	% H	% Na		
			ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE										
439		percent RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	meq/100g							
43583	1	3.1 M	40 VH	62 VH					262 VH	477 VH	2330 M						5.5	6.4	22.0	3.1	18.1	53.0	25.8			
43584	2	2.8 M	11 L	25 M					152 M	691 VH	2670 M						5.8	6.5	24.1	1.6	23.9	55.4	19.1			
43585	3	2.8 M	27 H	39 M					152 M	666 VH	2708 M						6.3	6.7	21.8	1.8	25.5	62.1	10.6			
43586	4	2.6 M	16 M	22 M					140 M	594 VH	2548 M						6.5	6.8	19.5	1.8	25.4	65.3	7.5			
43587	5	2.8 M	16 M	30 M					138 M	432 VH	2106 M						5.5	6.5	19.6	1.8	18.4	53.7	26.1			
43588	6	2.1 L	20 M	25 M					126 M	461 VH	2332 M						6.2	6.7	18.0	1.8	21.3	64.8	12.1			
43589	7	2.8 M	35 VH	56 H					202 VH	368 VH	1899 M						5.6	6.6	17.1	3.0	17.9	55.5	23.6			
43590	8	3.4 M	20 M	32 M					169 M	415 VH	2154 M						5.6	6.5	19.2	2.3	18.0	56.1	23.6			
43591	9	3.6 H	15 M	24 M					157 L	437 VH	2366 L						5.1	6.3	25.6	1.6	14.2	46.2	38.0			
43592	10	3.7 H	10 L	19 L					138 L	516 VH	2682 M						5.8	6.5	22.3	1.6	19.3	60.1	19.0			

LAB NUMBER	NITRATE-N (FIA)										SULFUR S ICAP		ZINC Zn DTPA		MANGANESE Mn DTPA		IRON Fe DTPA		COPPER Cu DTPA		BORON B SORB. DTPA		EXCESS LIME RATE	SOLUBLE SALTS 1:1 mmhos/ cm	
	SURFACE			SUBSOIL 1			SUBSOIL 2			Total lbs/A															
	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)																
439																									
43583			0-6																						
43584			0-6																						
43585			0-6																						
43586			0-6																						
43587			0-6																						
43588			0-6																						
43589			0-6																						
43590			0-6																						
43591			0-6																						
43592			0-6																						

REV.10/17

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PAGE 2/5

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FARMERS NATIONAL COMPANY

13309 PETTIT

13309 NORTH TRACT

SOIL ANALYSIS REPORT

LAB NUMBER	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O.I. percent RATE		PHOSPHORUS				NEUTRAL AMMONIUM ACETATE(EXCHANGEABLE)								INFO SHEET: 1717191																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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	SURFACE			SUBSOIL 1			SUBSOIL 2			Total lbs/A																
	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)																	
439																										
43593			0-6																							
43594			0-6																							
43595			0-6																							
43596			0-6																							
43597			0-6																							
43598			0-6																							
43599			0-6																							
43600			0-6																							
43601			0-6																							
43603			0-6																							

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							POTASSIUM		MAGNESIUM		CALCIUM		SODIUM		pH		CATION EXCHANGE CAPACITY C.E.C.	PERCENT BASE SATURATION (COMPUTED)						
			P ₁ (WEAK 1:7 BRAY)	P ₂ (STRONG 1:7 BRAY)	OLSEN BICARBONATE P	K	Mg	Ca	Na	SOIL pH 1:1	BUFFER INDEX	% K	% Mg	% Ca	% H	% Na								
			percent	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE			meq/100g					
439																								
43604	21	2.5 L	17 M	22 M			113 L	392 VH	2203 H			6.4	6.8	16.0	1.8	20.4	68.8	9.0						
43605	22	3.4 M	30 H	37 M			182 H	343 VH	1829 L			5.2	6.3	19.1	2.4	15.0	47.9	34.7						
43606	23	2.6 M	29 H	34 M			115 M	337 VH	2091 M			6.0	6.7	16.0	1.8	17.6	65.3	15.3						
43607	24	2.8 M	19 M	26 M			159 M	409 VH	2183 M			5.7	6.6	18.6	2.2	18.3	58.7	20.8						
43608	25	3.2 M	25 H	29 M			155 M	426 VH	2119 M			6.1	6.7	16.9	2.4	21.0	62.7	13.9						
43609	26	3.4 M	27 H	36 M			143 M	463 VH	2231 M			5.9	6.6	18.5	2.0	20.9	60.3	16.8						
43610	27	2.9 M	36 VH	48 H			166 M	542 VH	2423 M			6.1	6.6	19.9	2.1	22.7	60.9	14.3						
43611	28	3.8 H	37 VH	46 H			197 M	664 VH	2686 M			5.8	6.5	24.1	2.1	23.0	55.7	19.2						
43612	29	3.0 M	13 L	16 L			103 L	688 VH	2586 H			6.7		18.9	1.4	30.3	68.3	0.0						
43613	30	3.1 M	14 L	18 L			168 M	498 VH	2092 M			5.8	6.6	18.5	2.3	22.4	56.5	18.8						

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	SURFACE			SUBSOIL 1			SUBSOIL 2			Total lbs/A																
	439	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)	ppm	lbs/A		depth (in)	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE					
43604			0-6																							
43605			0-6																							
43606			0-6																							
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43610			0-6																							
43611			0-6																							
43612			0-6																							
43613			0-6																							

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			P ₁ (WEAK BRAY) 1:7		P ₂ (STRONG BRAY) 1:7		OLSEN BICARBONATE P		K		Mg		Ca		Na			SOIL pH 1:1	BUFFER INDEX	% K	% Mg	% Ca	% H	% Na
			percent	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE								
439																								
43624	41	3.4 M	23 H	35 M				130 M	517 VH	2437 M				6.4	6.7	18.5	1.8	23.3	65.9	9.0				

LAB NUMBER	NITRATE-N (FIA)										SULFUR S ICAP		ZINC Zn DTPA		MANGANESE Mn DTPA		IRON Fe DTPA		COPPER Cu DTPA		BORON B SORB. DTPA		EXCESS LIME RATE	SOLUBLE SALTS 1:1 mmhos/ cm		
	SURFACE			SUBSOIL 1			SUBSOIL 2			Total lbs/A																
	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)																	
439																										
43624			0-6																							

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