

REPORT NUMBER

24-283-0016

COMPLETED DATE

Oct 11, 2024

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Oct 11, 2024

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

IDENTIFICATION

FARMERS NATIONAL COMPANY

13309 PETTIT

13309 SOUTH TRACT

SOIL ANALYSIS REPORT

NEUTRAL AMMONIUM ACETATE(EXCHANGEABLE)																INFO SHEET: 1717195																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
LAB NUMBER	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O. I. percent RATE		PHOSPHORUS						POTASSIUM		MAGNESIUM		CALCIUM		SODIUM		pH		CATION EXCHANGE CAPACITY C.E.C. meq/100g	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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IDENTIFICATION

FARMERS NATIONAL COMPANY

13309 PETTIT

13309 SOUTH TRACT

SOIL ANALYSIS REPORT

LAB NUMBER	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O. I.	PHOSPHORUS						NEUTRAL AMMONIUM ACETATE(EXCHANGEABLE)								INFO SHEET: 1717195									
									POTASSIUM		MAGNESIUM		CALCIUM		SODIUM		pH		CATION EXCHANGE CAPACITY C.E.C.	PERCENT BASE SATURATION (COMPUTED)						
			P ₁ (WEAK BRAY)		P ₂ (STRONG BRAY)		OLSEN BICARBONATE P 1:7	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	
437		percent RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE			meq/100g									
54950	11	3.5 M	26 H	33 M	291 VH			175 H	497 VH	2397 M			6.4	6.8	18.2	2.5	22.8	65.9	8.8							
54952	12	3.6 H	16 M	20 M				162 M	508 VH	2268 M			6.0	6.6	18.8	2.2	22.5	60.3	15.0							
54953	13	3.3 M	22 H	26 M				185 H	560 VH	2769 M			6.4	6.7	20.9	2.3	22.3	66.2	9.2							
54954	14	3.6 H	27 H	36 M				245 VH	445 VH	2493 H			6.5	6.8	18.2	3.5	20.4	68.5	7.6							
54955	15	3.6 H	308 VH	309 VH				471 VH	331 VH	3241 H			7.3		20.2	6.0	13.7	80.3	0.0							
54956	16	3.3 M	51 VH	66 VH				285 VH	415 VH	2164 M			6.0	6.7	17.6	4.2	19.6	61.5	14.7							
54957	17	3.3 M	20 M	23 M				176 H	500 VH	2268 M			5.9	6.6	19.3	2.3	21.6	58.8	17.3							
54958	18	2.7 M	17 M	22 M				180 M	646 VH	2563 M			6.2	6.7	21.2	2.2	25.4	60.4	12.0							
54959	19	2.9 M	21 M	25 M				189 H	494 VH	2046 M			6.0	6.7	17.4	2.8	23.7	58.8	14.7							
54960	20	2.9 M	26 H	32 M				172 M	578 VH	2237 M			6.2	6.7	18.6	2.4	25.9	60.1	11.6							

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)			ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE					
437																										
54950			0-6																							
54952			0-6																							
54953			0-6																							
54954			0-6																							
54955			0-6																							
54956			0-6																							
54957			0-6																							
54958			0-6																							
54959			0-6																							
54960			0-6																							

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IDENTIFICATION

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

LAB NUMBER	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O. I.	PHOSPHORUS						NEUTRAL AMMONIUM ACETATE(EXCHANGEABLE)								INFO SHEET: 1717195									
									POTASSIUM		MAGNESIUM		CALCIUM		SODIUM		pH		CATION EXCHANGE CAPACITY C.E.C.	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		
			1:7		1:7		1:7		ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE									ppm	RATE
437		percent	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE			meq/100g								
54961	21	3.1	M	43	VH	57	H			311	VH	456	VH	2221	M			6.0	6.6	18.5	4.3	20.5	60.0	15.2		
54962	22	3.3	M	60	VH	101	VH			379	VH	331	VH	2661	H			7.2		17.0	5.7	16.2	78.1	0.0		
54963	23	3.1	M	33	VH	47	H			248	VH	492	VH	2471	H			6.9		17.1	3.7	24.0	72.3	0.0		
54964	24	3.1	M	14	L	20	M			142	M	380	VH	1939	M			6.0	6.7	15.5	2.3	20.4	62.5	14.8		
54965	25	2.3	L	18	M	23	M			187	H	664	VH	2523	M			6.4	6.7	20.4	2.4	27.1	61.8	8.7		
54966	26	2.6	M	24	H	33	M			184	H	572	VH	2266	M			6.3	6.7	18.5	2.6	25.8	61.2	10.4		
54967	27	1.3	VL	15	M	20	M			171	M	821	VH	2684	M			6.7		20.7	2.1	33.1	64.8	0.0		
54968	28	2.4	L	10	L	12	L			151	M	546	VH	2249	M			5.9	6.6	19.5	2.0	23.3	57.7	17.0		
54969	29	3.1	M	20	M	28	M			161	M	472	VH	2242	M			6.2	6.7	17.7	2.3	22.2	63.3	12.2		
54970	30	3.1	M	21	M	26	M			177	H	488	VH	2266	M			6.2	6.7	18.1	2.5	22.5	62.6	12.4		

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																
	437	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					
54961			0-6																							
54962			0-6																							
54963			0-6																							
54964			0-6																							
54965			0-6																							
54966			0-6																							
54967			0-6																							
54968			0-6																							
54969			0-6																							
54970			0-6																							

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			P ₁ (WEAK BRAY)		P ₂ (STRONG BRAY)		OLSEN BICARBONATE P	POTASSIUM		MAGNESIUM		CALCIUM		SODIUM		pH		CATION EXCHANGE CAPACITY C.E.C.	PERCENT BASE SATURATION (COMPUTED)						
			ppm	RATE	ppm	RATE		ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE		SOIL pH 1:1	BUFFER INDEX	meq/100g	% K	% Mg	% Ca	% H
437		percent	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	SOIL pH 1:1	BUFFER INDEX	meq/100g	% K	% Mg	% Ca	% H	% Na
54971	31	3.1	M	22	H	31	M			180	H	422	VH	2159	M			6.0	6.7	17.4	2.7	20.2	62.0	15.1	
54972	32	3.3	M	21	M	25	M			155	M	555	VH	2558	M			6.4	6.7	19.6	2.0	23.6	65.3	9.1	
54973	33	3.3	M	23	H	29	M			177	H	549	VH	2673	H			6.6	6.8	19.6	2.3	23.3	68.2	6.2	
54974	34	2.4	L	18	M	25	M			172	M	628	VH	2588	M			6.4	6.7	20.4	2.2	25.7	63.4	8.7	
54975	35	3.5	M	21	M	26	M			164	M	496	VH	2435	H			6.6	6.8	17.8	2.4	23.2	68.4	6.0	
54976	36	3.3	M	18	M	21	M			176	H	489	VH	2370	M			6.3	6.7	18.3	2.5	22.3	64.8	10.4	
54977	37	3.3	M	34	VH	57	H			186	H	459	VH	2522	H			7.1		16.9	2.8	22.6	74.6	0.0	
54978	38	2.9	M	10	L	14	L			131	M	543	VH	2348	M			5.8	6.6	20.5	1.6	22.1	57.3	19.0	
54979	39	3.5	M	18	M	22	M			164	H	490	VH	2163	M			6.2	6.7	17.4	2.4	23.5	62.2	11.9	
54980	40	3.7	H	22	H	27	M			200	H	423	VH	2591	H			6.4	6.7	18.7	2.7	18.9	69.3	9.1	

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																
	437	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					
54971			0-6																							
54972			0-6																							
54973			0-6																							
54974			0-6																							
54975			0-6																							
54976			0-6																							
54977			0-6																							
54978			0-6																							
54979			0-6																							
54980			0-6																							

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			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		
			percent	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE										
437																										
54981	41	3.3 M			16 M				152 M		561 VH				2863 H			6.9		19.4	2.0	24.1	73.9	0.0		
54982	42	3.7 H			33 VH				212 VH		447 VH				2506 H			6.5	6.8	18.2	3.0	20.5	68.8	7.7		
54983	43	2.6 M			11 L				179 H		513 VH				2819 H			6.6	6.8	20.0	2.3	21.4	70.5	5.8		
54984	44	2.2 L			14 L				148 M		718 VH				2633 M			6.1	6.6	22.7	1.7	26.4	58.0	13.9		
54985	45	2.8 M			20 M				150 M		454 VH				2088 M			6.3	6.7	16.3	2.4	23.2	64.0	10.4		
54986	46	2.4 L			21 M				179 H		540 VH				2367 M			6.4	6.7	18.5	2.5	24.3	64.0	9.2		

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																
	437	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					
54981			0-6																							
54982			0-6																							
54983			0-6																							
54984			0-6																							
54985			0-6																							
54986			0-6																							

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