

REPORT NUMBER

24-290-0760

COMPLETED DATE

Oct 18, 2024

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ACCOUNT

30204



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

IDENTIFICATION

FARMERS NATIONAL COMPANY

06981 PETTIT

06981 PETTIT

SOIL ANALYSIS REPORT

LAB NUMBER	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O.I.	PHOSPHORUS						NEUTRAL AMMONIUM ACETATE(EXCHANGEABLE)								INFO SHEET: 1717188									
									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	RATE	1:7	RATE	1:7	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE									meq/100g	
438		percent	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE	ppm	RATE			meq/100g								
73444	1	4.0	H	26	H	48	H			199	H	415	VH	2351	H			6.4	6.8	17.3	2.9	20.0	67.9	9.2		
73445	2	2.8	M	22	H	36	M			167	M	533	VH	2572	M			6.2	6.7	20.1	2.1	22.1	64.0	11.8		
73446	3	3.9	H	29	H	44	H			213	H	396	VH	2149	M			5.6	6.5	19.1	2.9	17.3	56.3	23.5		
73447	4	3.8	H	19	M	30	M			221	VH	446	VH	2565	M			6.2	6.7	19.4	2.9	19.2	66.1	11.8		
73448	5	5.3	VH	26	H	46	H			229	H	452	VH	2792	M			5.8	6.5	22.6	2.6	16.7	61.8	18.9		
73449	6	4.9	VH	20	M	27	M			204	H	517	VH	2859	M			6.2	6.7	21.7	2.4	19.9	65.9	11.8		
73450	7	5.6	VH	25	H	42	H			159	M	571	VH	3264	M			6.1	6.6	25.0	1.6	19.0	65.3	14.1		
73451	8	5.2	VH	27	H	47	H			158	L	669	VH	3722	M			5.7	6.4	31.1	1.3	17.9	59.8	21.0		
73452	9	4.8	VH	17	M	26	M			159	L	560	VH	3326	M			5.7	6.4	27.5	1.5	17.0	60.5	21.0		
73453	10	5.0	VH	21	M	27	M			242	H	490	VH	2767	M			5.8	6.5	22.8	2.7	17.9	60.7	18.7		

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																
	438	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					
73444			0-6																							
73445			0-6																							
73446			0-6																							
73447			0-6																							
73448			0-6																							
73449			0-6																							
73450			0-6																							
73451			0-6																							
73452			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	ppm	RATE					meq/100g						
438																										
73454	11	3.8 H	16 M	25 M				193 H	370 VH	2222 M					5.7	6.6	18.6	2.7	16.6	59.7	21.0					
73455	12	4.3 H	17 M	39 M				246 VH	389 VH	2526 M					5.9	6.6	19.9	3.2	16.3	63.5	17.0					
73456	13	3.5 M	21 M	28 M				189 H	504 VH	2727 H					6.5	6.8	19.8	2.4	21.2	68.9	7.5					
73457	14	4.0 H	30 H	41 H				213 VH	369 VH	2307 M					6.1	6.7	17.7	3.1	17.4	65.2	14.3					
73458	15	4.6 VH	20 M	37 M				249 VH	402 VH	2457 M					5.9	6.6	19.6	3.3	17.1	62.7	16.9					
73459	16	4.2 H	23 H	32 M				177 H	370 VH	2418 M					6.0	6.6	18.4	2.5	16.8	65.7	15.0					
73460	17	3.4 M	12 L	21 M				147 M	478 VH	2742 M					6.2	6.7	20.6	1.8	19.3	66.6	12.3					
73461	18	3.9 H	21 M	33 M				132 M	384 VH	2353 M					5.9	6.6	18.4	1.8	17.4	63.9	16.9					
73462	19	4.6 VH	30 H	43 H				142 M	484 VH	2835 M					6.0	6.6	21.9	1.7	18.4	64.7	15.2					
73463	20	3.4 M	26 H	40 H				247 VH	372 VH	2271 M					6.0	6.7	17.8	3.6	17.4	63.8	15.2					

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																
	438	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					
73454			0-6																							
73455			0-6																							
73456			0-6																							
73457			0-6																							
73458			0-6																							
73459			0-6																							
73460			0-6																							
73461			0-6																							
73462			0-6																							
73463			0-6																							

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			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								
438																								
73474	31	3.8 H	28 H	33 M			223 VH	306 VH	2009 M			5.5	6.5	17.8	3.2	14.3	56.4	26.1						
73475	32	3.0 M	25 H	34 M			185 H	499 VH	2439 M			5.7	6.5	21.3	2.2	19.5	57.3	21.0						

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																
	438	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					
73474			0-6																							
73475			0-6																							

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