

Account: 9805
Submittal Number: 1752481

Midwest Labs (Omaha, NE)
of Samples: 36



MWAS1752481

[Info1] Grower: 1072 Prichard
(Manteufel)
[Info2] Field: 56721 Eden 10 South
[Info3] Job Complete: 10/29/2024
[Info4] Submitted On: 10/30/2024
9:08:42 AM



MWAS1752481

The following samples are included in this package:

Sample ID	Tests	Sample ID	Tests	Sample ID	Tests
14259	S1A				
14260	S1A				
14261	S1A				
14262	S1A				
14263	S1A				
14264	S1A				
14265	S1A				
14266	S1A				
14267	S1A				
14268	S1A				
14269	S1A				
14270	S1A				
14271	S1A				
14272	S1A				
14273	S1A				
14274	S1A				
14275	S1A				
14276	S1A				
14277	S1A				
14278	S1A				
14279	S1A				
14280	S1A				
14281	S1A				
14282	S1A				
14283	S1A				
14284	S1A				
14285	S1A				
14286	S1A				
14287	S1A				
14288	S1A				
14289	S1A				
14290	S1A				
14291	S1A				
14292	S1A				
14293	S1A				
14294	S1A				

REPORT NUMBER

24-306-0779

COMPLETED DATE
Nov 5, 2024
RECEIVED DATE
Nov 1, 2024

ACCOUNT
9805



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TODAY'S DATE
Nov 05, 2024

COPY TO
10842

E-4 SONS

E-4 SONS
GREG REISZ
3113 HWY 30

IDENTIFICATION
GROWER 1072 PRICHARD MANTEUF
FIELD 56721 EDEN 10 SOUTH
JOB COMPLETE 10/29/2024
SUBMITTED ON 10/30/2024 908

WOODBINE IA 51579

Table with columns: Lab Number, Sample ID, OM, Phosphorus (P1, P2, Bic), K, Mg, Ca, Na, pH, Buff, CEC, Percent Base Saturation (K, Mg, Ca, H, Na), Nitrate Surface (ppm, lbs/A, depth), Total, S, Zn, Mn, Fe, Cu, B, Excess Lime Rate, Soluble Salts, NH3-N, MP3 Color.

The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.

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IDENTIFICATION
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FIELD 56721 EDEN 10 SOUTH
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WOODBINE IA 51579

Lab Number	Sample ID	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	Buff index	CEC meq/100	Percent Base Saturation					Nitrate			Total lbs/A	S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Lime Rate	Soluble Salts mmol/cm	NH3-N ppm	MP3 ppm		
			P1 ppm	P2 ppm	Bic ppm								K	Mg	Ca	H	Na	Surface															
																		ppm	lbs/A	depth												lbs/A	ppm
44147750	14291	5.6	39	75		189	458	4096		6.7		24.8	2.0	15.4	82.6	0.0				0-6													
44147751	14292	3.7	47	127	33	194	412	3295		7.6		20.4	2.4	16.8	80.8	0.0				0-6													
44147752	14293	4.8	68	131		512	322	2741		6.8		17.7	7.4	15.2	77.4	0.0				0-6													
44147753	14294	6.5	156	157	143	546	500	3464		7.2		22.9	6.1	18.2	75.7	0.0				0-6													

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Midwest Land Management / 1072 Prichard (Manteufel) / 1072 Prichard (Manteufel)
/ 56721 Eden 10 South

89.0 Acres / 2024: Soybeans, 2025: Corn / 36 Samples On: 10/29/2024

Location: IA / Sac / 10-89N-37W ~ Lat/Lng: 42.539059 / -95.208042



Sample Numbers



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Organic Matter (%)



Organic Matter (%)			
	Min	Max	Acres
	0.0	1.0	0.0
	1.0	1.5	0.0
	1.5	2.0	0.0
	2.0	3.0	0.0
	3.0	10.0	88.9

36 sample results for OM		
Minimum	Average	Maximum
3.5	5.3	6.5

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Cation Exchange Capacity (meq/100g)



Cation Exchange Capacity (meq/100g)			
	Min	Max	Acres
	0.0	12.0	0.0
	12.0	16.0	0.0
	16.0	20.0	6.0
	20.0	25.0	71.1
	25.0	100.0	11.9

36 sample results for CEC		
Minimum	Average	Maximum
17.7	22.9	28.2

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Soil pH



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Soil pH			
	Min	Max	Acres
	0.0	5.9	0.0
	5.9	6.2	0.0
	6.2	6.6	12.3
	6.6	7.3	72.1
	7.3	14.0	4.5

36 sample results for PH		
Minimum	Average	Maximum
6.2	6.9	7.6

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Buffer Index



Buffer Index			
	Min	Max	Acres
	0.0	5.0	0.0
	5.0	5.5	0.0
	5.5	6.0	0.0
	6.0	6.7	0.2
	6.7	9.0	88.7

36 sample results for BPH		
Minimum	Average	Maximum
6.6	7.0	7.1

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P1 (ppm)



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P1 (ppm)			
	Min	Max	Acres
	0.0	10.0	0.6
	10.0	15.0	1.7
	15.0	25.0	7.3
	25.0	30.0	5.4
	30.0	2,000.0	74.0

36 sample results for P1		
Minimum	Average	Maximum
9.0	47.0	156.0

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Bicarbonate (ppm)



Bicarbonate (ppm)			
	Min	Max	Acres
	0.0	5.0	0.0
	5.0	9.0	0.0
	9.0	13.0	1.7
	13.0	18.0	2.5
	18.0	2,000.0	84.7

14 sample results for BICARB		
Minimum	Average	Maximum
10.0	45.1	143.0

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P2 (ppm)



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P2 (ppm)			
	Min	Max	Acres
	0.0	10.0	0.0
	10.0	15.0	0.0
	15.0	25.0	0.3
	25.0	30.0	0.5
	30.0	2,000.0	88.1

36 sample results for P2		
Minimum	Average	Maximum
23.0	93.4	157.0

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Potassium (ppm)



Potassium (ppm)			
	Min	Max	Acres
	0.0	120.0	0.0
	120.0	160.0	0.0
	160.0	200.0	30.9
	200.0	240.0	35.6
	240.0	2,000.0	22.4

36 sample results for K		
Minimum	Average	Maximum
167.0	229.3	546.0

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Magnesium (ppm)



Magnesium (ppm)			
	Min	Max	Acres
	0.0	300.0	0.0
	300.0	400.0	12.1
	400.0	500.0	70.9
	500.0	600.0	5.1
	600.0	1,000.0	0.9

36 sample results for MG		
Minimum	Average	Maximum
322.0	444.5	661.0

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Calcium (ppm)



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Calcium (ppm)			
	Min	Max	Acres
	0.0	2,175.0	0.0
	2,175.0	2,583.0	0.0
	2,583.0	2,980.0	2.5
	2,980.0	3,550.0	40.7
	3,550.0	7,000.0	45.7

36 sample results for CA		
Minimum	Average	Maximum
2,741.0	3,611.2	4,942.0

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% Potassium (%)



% Potassium (%)			
	Min	Max	Acres
	0.0	1.9	2.5
	1.9	2.3	38.0
	2.3	2.9	29.9
	2.9	3.9	11.2
	3.9	100.0	7.4

36 sample results for PERCENTK		
Minimum	Average	Maximum
1.8	2.6	7.4

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% Magnesium (%)



% Magnesium (%)			
	Min	Max	Acres
	0.0	5.0	0.0
	5.0	10.0	0.0
	10.0	15.0	8.0
	15.0	20.0	80.8
	20.0	100.0	0.1

36 sample results for PERCENTMG		
Minimum	Average	Maximum
10.5	16.2	20.3

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% Calcium (%)



% Calcium (%)			
	Min	Max	Acres
	0.0	30.0	0.0
	30.0	50.0	0.0
	50.0	70.0	0.1
	70.0	90.0	88.9
	90.0	100.0	0.0

36 sample results for PERCENTCA		
Minimum	Average	Maximum
69.7	78.6	87.7

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Hydrogen (%)



Hydrogen (%)			
	Min	Max	Acres
	0.0	1.0	36.3
	1.0	10.0	51.9
	10.0	25.0	0.7
	25.0	40.0	0.0
	40.0	55.0	0.0

36 sample results for PERCENTH		
Minimum	Average	Maximum
0.0	2.6	12.4