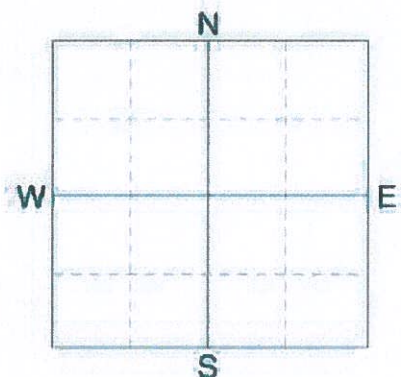




Soil Analysis by Agvise Laboratories
(<http://www.agvise.com>)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **01**
SAMPLE ID **FIELD #1**
FIELD NAME
COUNTY
TWP **19-4E** RANGE
SECTION **30** QTR **SE** ACRES **80**
PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
JEREMY WALDNER
BOX 10
STE AGATHE, MB **ROG 1Y0**

SUBMITTED BY: **NE3488**
NEXT YEAR INC
PO BOX 157
KOMERNO, MB **ROC 1R0**

REF # **21467686** BOX # **4300**
LAB # **NW180392**

Date Sampled **10/09/2024**

Date Received **10/11/2024**

Date Reported **10/18/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice					
Nitrate	0-6" 6-24"	4 lb/acre 3 lb/acre	VLow	Low	Med	High	Alfalfa Seed			Alfalfa			Alfalfa				
	0-24"	7 lb/acre	***				YIELD GOAL			YIELD GOAL			YIELD GOAL				
							1 Season			4 Tons			2 Tons				
							SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Broadcast			Broadcast			Broadcast					
							LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen	5 ppm	*****				N	0			N	0			N	0	
Potassium		107 ppm	*****	*****			P ₂ O ₅	57	Broadcast	P ₂ O ₅	77	Broadcast	P ₂ O ₅	38	Broadcast		
Chloride	0-24"	44 lb/acre	*****	*****			K ₂ O	64	Broadcast	K ₂ O	134	Broadcast	K ₂ O	67	Broadcast		
	0-6" 6-24"	14 lb/acre 48 lb/acre	*****	*****			Cl		Not Available	Cl		Not Available	Cl		Not Available		
							S	15	Broadcast	S	15	Broadcast	S	15	Broadcast		
Sulfur							B	2	Broadcast	B	2	Broadcast	B	2	Broadcast		
Boron		0.7 ppm	*****	*****			Zn	1	Broadcast	Zn	1	Broadcast	Zn	0			
Zinc		0.36 ppm	*****	*****			Fe	0		Fe	0		Fe	0			
Iron		24.9 ppm	*****	*****			Mn	0		Mn	0		Mn	0			
Manganese		1.9 ppm	*****	*****			Cu	1	Broadcast (Trial)	Cu	1	Broadcast (Trial)	Cu	1	Broadcast (Trial)		
Copper		0.54 ppm	*****	*****			Mg	0		Mg	0		Mg	0			
Magnesium		755 ppm	*****	*****			Lime			Lime			Lime				
Calcium		3484 ppm	*****	*****													
Sodium		18 ppm	***														
Org.Matter		3.3 %	*****	*****													
Carbonate(CCE)		2.0 %	*****	*****													
Sol. Salts	0-6" 6-24"	0.2 mmho/cm 0.1 mmho/cm	*****	**			Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)							
							0-6" 8.1 6-24" 8.6		24.1 meq	(65-75) 72.4	(15-20) 26.1	(1-7) 1.1	(0-5) 0.3	(0-5) 0.0			

General Comments: Soil texture is not estimated on high pH soils.

Crop 1: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Crop 2: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 40 K2O = 200 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Crop 3: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 20 K2O = 100 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

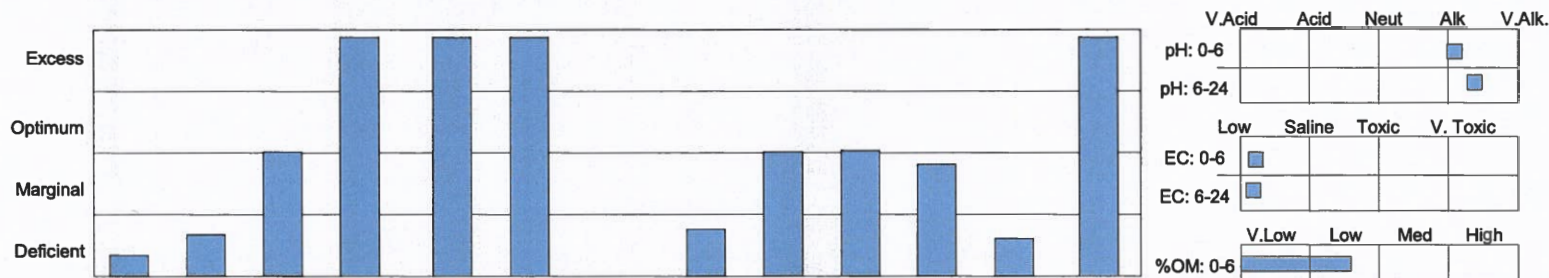
Grower: Gimli Farm
Grower Field Name: 03
Reference Field Name: 95094-A39851935
Legal Location:

Lot Number: 241011_109
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_109-01	0-6	6	10.0	150	16	4300	970	21	0.3	0.8	18.0	1.8	0.6	16.0	8.2	0.35	3.2
241011_109-02	6-24	3			13									6.3	8.8	0.26	



0-6 lb/Ac:	12	20	300	32	CEC (meq/100g):	29.8	Ca Base Saturation (%):	72.0	Mg Base Saturation (%):	27.0
6-24 lb/Ac:	15			78	Base Saturation (%):	100.0	K Base Saturation (%):	1.3	Na Base Saturation (%):	0.3
					Sand (%):		Silt (%):		Clay (%):	
									Texture:	

Total lb/Ac measured: 27 20 300 110
Estimated lb/Ac to 24 inch: 27 110

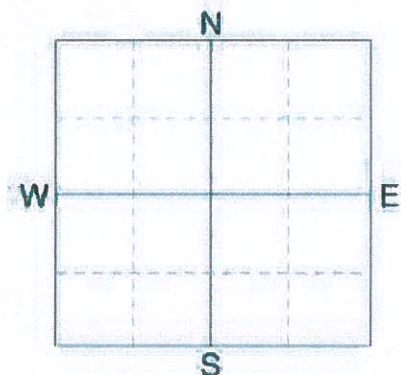
Recommendation:	Comments:
	* Bicarbonate-Extractable (Olsen) Phosphate



Soil Analysis by Agvise Laboratories
(<http://www.agvise.com>)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **04**
SAMPLE ID **FIELD #04**
FIELD NAME
COUNTY
TWP **19-3E** RANGE
SECTION **15** QTR **SE** ACRES **60**
PREV. CROP **Alfalfa Seed**



SUBMITTED FOR:
JEREMY WALDNER
BOX 10
STE AGATHE, MB **R0G 1Y0**

SUBMITTED BY: **NE3488**
NEXT YEAR INC
PO BOX 157
KOMERNO, MB **R0C 1R0**

REF # **21467688** BOX # **4189**
LAB # **NW180399**

Date Sampled **10/09/2024**

Date Received **10/11/2024**

Date Reported **10/17/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
Nitrate	0-6" 6-24" 0-24"	1 lb/acre 3 lb/acre 4 lb/acre	VLow	Low	Med	High	Alfalfa Seed			Alfalfa			Alfalfa			
			**			YIELD GOAL			YIELD GOAL			YIELD GOAL				
						1 Season			2 Tons			4 Tons				
						SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Broadcast			Broadcast			Broadcast				
					LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION				
Phosphorus	Olsen	2 ppm	***				N	0		N	0		N	0		
Potassium		150 ppm	*****	*****	*****		P ₂ O ₅	65	Broadcast	P ₂ O ₅	44	Broadcast	P ₂ O ₅	88	Broadcast	
Chloride	0-24"	20 lb/acre	*****				K ₂ O	30	Broadcast	K ₂ O	50	Broadcast	K ₂ O	100	Broadcast	
	0-6" 6-24"	8 lb/acre 18 lb/acre	***** *****				Cl		Not Available	Cl		Not Available	Cl		Not Available	
Sulfur			*****				S	20	Broadcast	S	20	Broadcast	S	20	Broadcast	
Boron		0.5 ppm	*****				B	2	Broadcast	B	2	Broadcast	B	2	Broadcast	
Zinc		0.35 ppm	*****				Zn	1	Broadcast	Zn	0		Zn	1	Broadcast	
Iron		19.7 ppm	*****	*****	*****	*****	Fe	0		Fe	0		Fe	0		
Manganese		2.6 ppm	*****	*****	*****	*****	Mn	0		Mn	0		Mn	0		
Copper		0.58 ppm	*****	*****	*****	*****	Cu	1	Broadcast (Trial)	Cu	1	Broadcast (Trial)	Cu	1	Broadcast (Trial)	
Magnesium		661 ppm	*****	*****	*****	*****	Mg	0		Mg	0		Mg	0		
Calcium		3342 ppm	*****	*****	*****	*****	Lime			Lime			Lime			
Sodium		13 ppm	**													
Org.Matter		2.5 %	*****													
Carbonate(CCE)		1.9 %	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)						
Sol. Salts	0-6" 6-24"	0.25 mmho/cm 0.17 mmho/cm	***** ****				0-6" 8.0 6-24" 8.4		22.7 meq	(65-75) 73.7	(15-20) 24.3	(1-7) 1.7	(0-5) 0.2	(0-5) 0.0		

General Comments: Soil texture is not estimated on high pH soils.

Crop 1: Limited data on crop response to chloride. Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Crop 2: Limited data on crop response to chloride. Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P₂O₅ = 20 K₂O = 100 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

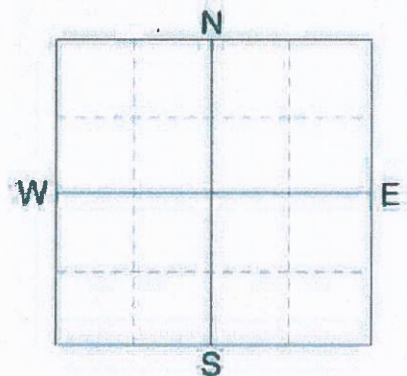
Crop 3: Limited data on crop response to chloride. Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P₂O₅ = 40 K₂O = 200 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.



Soil Analysis by Agvise Laboratories
(<http://www.agvise.com>)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **06**
SAMPLE ID **FIELD #06**
FIELD NAME
COUNTY
TWP **19-3E** RANGE
SECTION **11** QTR **NW** ACRES **80**
PREV. CROP **Alfalfa Seed**



SUBMITTED FOR:
JEREMY WALDNER
BOX 10
STE AGATHE, MB **R0G 1Y0**

SUBMITTED BY: **NE3488**
NEXT YEAR INC
PO BOX 157
KOMERNO, MB **R0C 1R0**

REF # **21467687** BOX # **4183**
LAB # **NW180397**

Date Sampled **10/09/2024**

Date Received **10/11/2024**

Date Reported **10/17/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
Nitrate	0-6" 6-24"	16 lb/acre 6 lb/acre	VLow	Low	Med	High	Alfalfa Seed			Alfalfa			Alfalfa			
							YIELD GOAL			YIELD GOAL			YIELD GOAL			
	0-24"	22 lb/acre	*****				1 Season			2 Tons			4 Tons			
							SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			
							Broadcast			Broadcast			Broadcast			
							LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Olsen	4 ppm	*****				N	0		N	0		N	0			
Phosphorus		247 ppm	*****	*****	*****	P ₂ O ₅	60	Broadcast	P ₂ O ₅	40	Broadcast	P ₂ O ₅	81	Broadcast		
Potassium						K ₂ O	0		K ₂ O	0		K ₂ O	22	Broadcast		
Chloride	0-24"	40 lb/acre	*****	*****	*****	Cl		Not Available	Cl		Not Available	Cl		Not Available		
	0-6" 6-24"	24 lb/acre 24 lb/acre	*****	*****	*****	S	10	Broadcast (Trial)	S	10	Broadcast (Trial)	S	10	Broadcast (Trial)		
Sulfur		0.8 ppm	*****			B	2	Broadcast	B	2	Broadcast	B	2	Broadcast		
Boron		0.26 ppm	*****			Zn	3	Broadcast	Zn	1	Broadcast	Zn	3	Broadcast		
Zinc		15.7 ppm	*****	*****	*****	Fe	0		Fe	0		Fe	0			
Iron		1.6 ppm	*****			Mn	0		Mn	0		Mn	0			
Manganese		1.19 ppm	*****	*****	*****	Cu	0		Cu	0		Cu	0			
Copper		1211 ppm	*****	*****	*****	Mg	0		Mg	0		Mg	0			
Magnesium		5030 ppm	*****	*****	*****	Lime			Lime			Lime				
Calcium		17 ppm	**													
Sodium		4.2 %	*****	*****	*****	Soil pH		Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)					
Org.Matter		6.1 %	*****	*****	*****	0-6" 8.2 6-24" 8.6			35.9 meq		(65-75) 70.0	(15-20) 28.1	(1-7) 1.8	(0-5) 0.2	(0-5) 0.0	
Carbonate(CCE)																
Sol. Salts	0-6"	0.36 mmho/cm	*****													
	6-24"	0.29 mmho/cm	*****													

General Comments: Soil texture is not estimated on high pH soils.

Crop 1: Limited data on crop response to chloride. Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Crop 2: Limited data on crop response to chloride. Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 20 K2O = 100 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

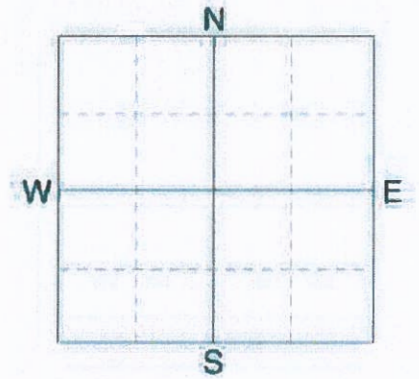
Crop 3: Limited data on crop response to chloride. Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 40 K2O = 200 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.



Soil Analysis by Agvise Laboratories
(http://www.agvise.com)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **07**
SAMPLE ID **FIELD #07**
FIELD NAME
COUNTY
TWP **19-3E** RANGE
SECTION **11** QTR **NE** ACRES **80**
PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
JEREMY WALDNER
BOX 10
STE AGATHE, MB **R0G 1Y0**

SUBMITTED BY: **NE3488**
NEXT YEAR INC
PO BOX 157
KOMERNO, MB **R0C 1R0**

REF # **21467685** BOX # **4464**
LAB # **NW180389**

Date Sampled **10/09/2024**

Date Received **10/11/2024**

Date Reported **10/18/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Alfalfa Seed			Alfalfa			Alfalfa		
						YIELD GOAL			YIELD GOAL			YIELD GOAL		
						1 Season			4 Tons			2 Tons		
						SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Broadcast			Broadcast			Broadcast		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
						N	0		N	0		N	0	
						P ₂ O ₅	62	Broadcast	P ₂ O ₅	84	Broadcast	P ₂ O ₅	42	Broadcast
						K ₂ O	0		K ₂ O	0		K ₂ O	0	
						Cl		Not Available	Cl		Not Available	Cl		Not Available
						S	15	Broadcast	S	15	Broadcast	S	15	Broadcast
						B	1	Broadcast	B	1	Broadcast	B	1	Broadcast
						Zn	3	Broadcast	Zn	3	Broadcast	Zn	1	Broadcast
						Fe	0		Fe	0		Fe	0	
						Mn	0		Mn	0		Mn	0	
						Cu	0		Cu	0		Cu	0	
						Mg	0		Mg	0		Mg	0	
						Lime			Lime			Lime		
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
									% Ca	% Mg	% K	% Na	% H	
						0-6" 8.2		44.2 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
						6-24" 8.5			67.9	30.2	1.7	0.2	0.0	

Nitrate	0-6"	14 lb/acre												
	6-24"	39 lb/acre												
Phosphorus	0-24"	53 lb/acre												
Potassium	0-24"	32 lb/acre												
Chloride	0-6"	14 lb/acre												
	6-24"	48 lb/acre												
Sulfur	0-6"	1.0 ppm												
	6-24"	0.22 ppm												
Boron	0-6"	23.5 ppm												
	6-24"	1.9 ppm												
Zinc	0-6"	1.16 ppm												
	6-24"	1603 ppm												
Iron	0-6"	5998 ppm												
	6-24"	24 ppm												
Manganese	0-6"	4.7 %												
	6-24"	5.4 %												
Copper	0-6"	0.48 mmho/cm												
	6-24"	0.37 mmho/cm												
Magnesium	0-6"													
	6-24"													
Calcium	0-6"													
	6-24"													
Sodium	0-6"													
	6-24"													
Org.Matter	0-6"													
	6-24"													
Carbonate(CCE)	0-6"													
	6-24"													
Sol. Salts	0-6"													
	6-24"													

General Comments: Soil texture is not estimated on high pH soils.

Crop 1: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Crop 2: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P₂O₅ = 40 K₂O = 200 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Crop 3: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P₂O₅ = 20 K₂O = 100 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

Grower: Gimli Farm
Grower Field Name: 08
Reference Field Name: 95094-A39851944
Legal Location:

Lot Number: 241011_107
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

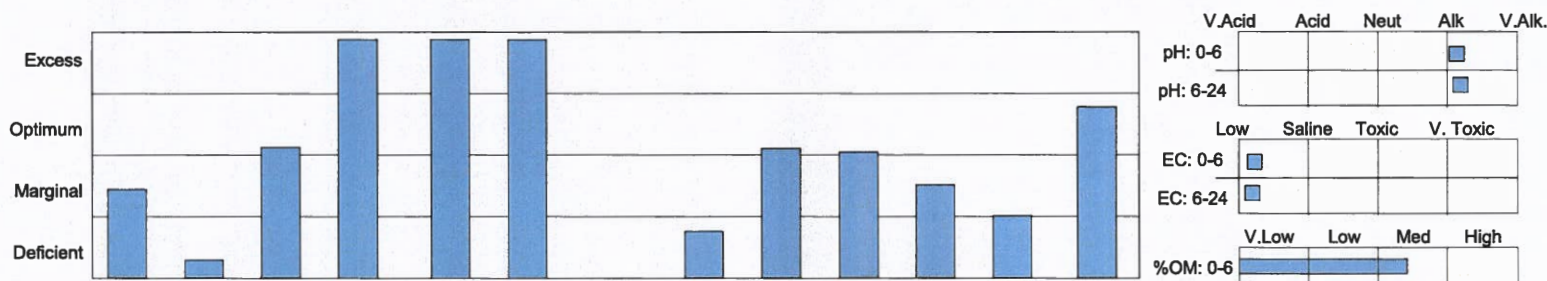
Attention: Daniel Fox

Client ID: 21-0005

Total Acres:

Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_107-01	0-6	19	4.3	190	8	5800	1200	18	0.3	1.2	19.0	1.5	0.5	6.6	8.3	0.36	5.7
241011_107-02	6-24	12			13									6.6	8.4	0.29	



	N	P	K	S
0-6 lb/Ac:	38	9	380	15
6-24 lb/Ac:	72			78

CEC (meq/100g):	39.4	Ca Base Saturation (%):	73.0	Mg Base Saturation (%):	25.0
Base Saturation (%):	100.0	K Base Saturation (%):	1.2	Na Base Saturation (%):	0.2
Sand (%):		Silt (%):		Clay (%):	
				Texture:	

Total lb/Ac measured:	110	9	380	93
Estimated lb/Ac to 24 inch:	110			93

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

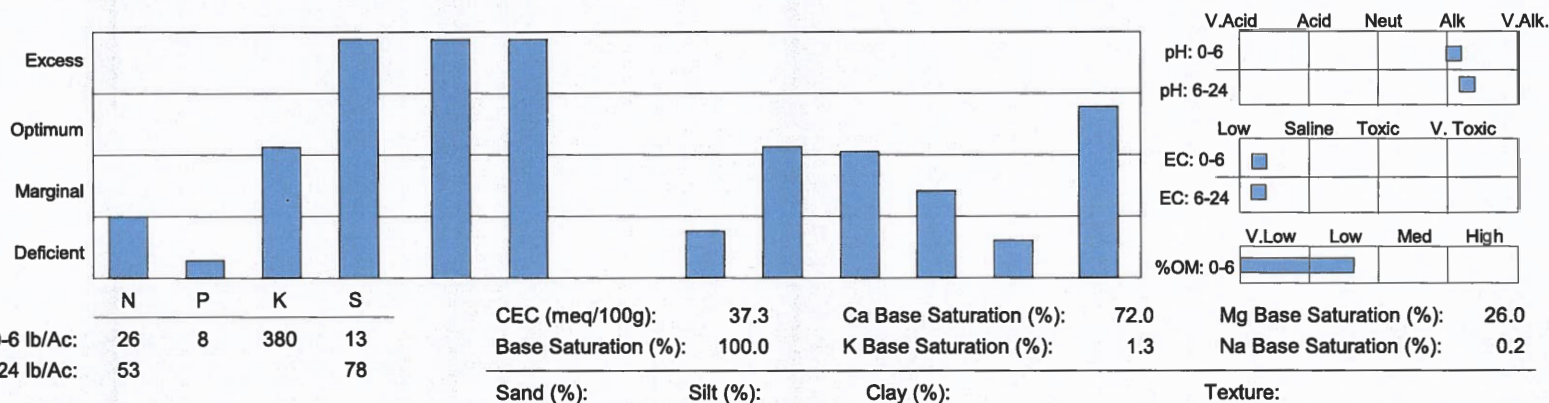
Grower: Gimli Farm
Grower Field Name: 09
Reference Field Name: 95094-A39851939
Legal Location:

Lot Number: 241011_116
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_116-01	0-6	13	4.1	190	6	5400	1200	20	0.3	1.3	22.0	1.4	0.3	9.6	8.2	0.48	3.3
241011_116-02	6-24	9			13									5.7	8.6	0.45	



Total lb/Ac measured: 79 N, 8 P, 380 K, 91 S
Estimated lb/Ac to 24 inch: 79 N, 8 P, 380 K, 91 S

CEC (meq/100g): 37.3
Base Saturation (%): 100.0
Ca Base Saturation (%): 72.0
K Base Saturation (%): 1.3
Mg Base Saturation (%): 26.0
Na Base Saturation (%): 0.2

Sand (%): **Silt (%):** **Clay (%):** **Texture:**

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

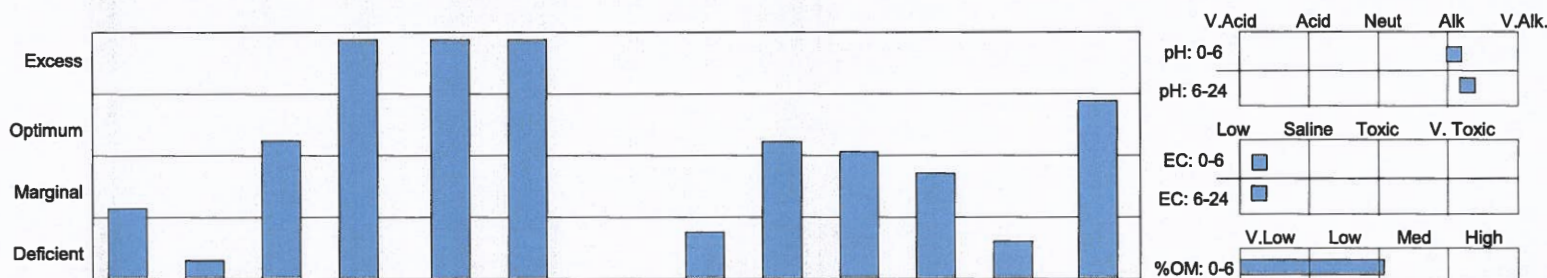
Grower: Gimli Farm
Grower Field Name: 10
Reference Field Name: 95094-A39851951
Legal Location:

Lot Number: 241011_115
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_115-01	0-6	19	4.4	230	10	5600	1700	32	0.3	1.7	25.0	1.7	0.3	9.0	8.2	0.47	4.3
241011_115-02	6-24	9			18									6.4	8.6	0.46	



	N	P	K	S	CEC (meq/100g):	42.6	Ca Base Saturation (%):	66.0	Mg Base Saturation (%):	33.0
0-6 lb/Ac:	38	9	460	19	Base Saturation (%):	100.0	K Base Saturation (%):	1.4	Na Base Saturation (%):	0.3
6-24 lb/Ac:	51			108						

Total lb/Ac measured: 89 9 460 127
Estimated lb/Ac to 24 inch: 89 9 460 127

Sand (%): Silt (%): Clay (%): Texture:

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

Grower: Gimli Farm
Grower Field Name: 11N
Reference Field Name: 95094-A39851956
Legal Location:

Lot Number: 241011_108
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

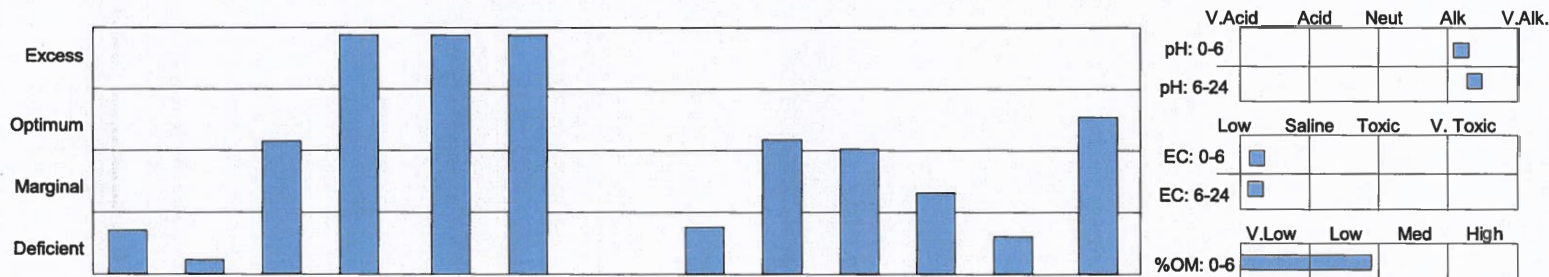
Attention: Daniel Fox

Client ID: 21-0005

Total Acres:

Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_108-01	0-6	12	3.4	200	8	5300	1800	29	0.3	1.5	15.0	1.3	0.3	7.6	8.4	0.39	3.8
241011_108-02	6-24	5			17									5.1	8.8	0.34	



	N	P	K	S						
0-6 lb/Ac:	24	7	400	16	CEC (meq/100g):	41.5	Ca Base Saturation (%):	64.0	Mg Base Saturation (%):	35.0
6-24 lb/Ac:	32			102	Base Saturation (%):	100.0	K Base Saturation (%):	1.3	Na Base Saturation (%):	0.3

Total lb/Ac measured: 56 7 400 118
Estimated lb/Ac to 24 inch: 56 7 400 118

Sand (%): Silt (%): Clay (%): Texture:

Recommendation:	Comments:
* Bicarbonate-Extractable (Olsen) Phosphate	

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

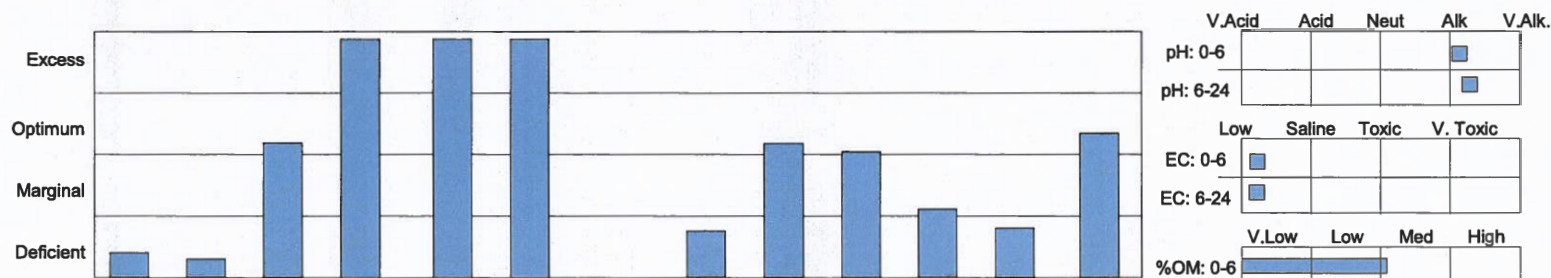
Grower: Gimli Farm
Grower Field Name: 12
Reference Field Name: 95094-A39851924
Legal Location:

Lot Number: 241011_110
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_110-01	0-6	6	4.5	210	7	5400	1500	22	0.3	1.5	19.0	1.1	0.4	7.0	8.3	0.36	4.4
241011_110-02	6-24	4			12									4.4	8.6	0.34	



	N	P	K	S						
0-6 lb/Ac:	11	9	420	14	CEC (meq/100g):	39.9	Ca Base Saturation (%):	68.0	Mg Base Saturation (%):	31.0
6-24 lb/Ac:	21			72	Base Saturation (%):	100.0	K Base Saturation (%):	1.3	Na Base Saturation (%):	0.2

Total lb/Ac measured: 32 9 420 86
Estimated lb/Ac to 24 inch: 32 86

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

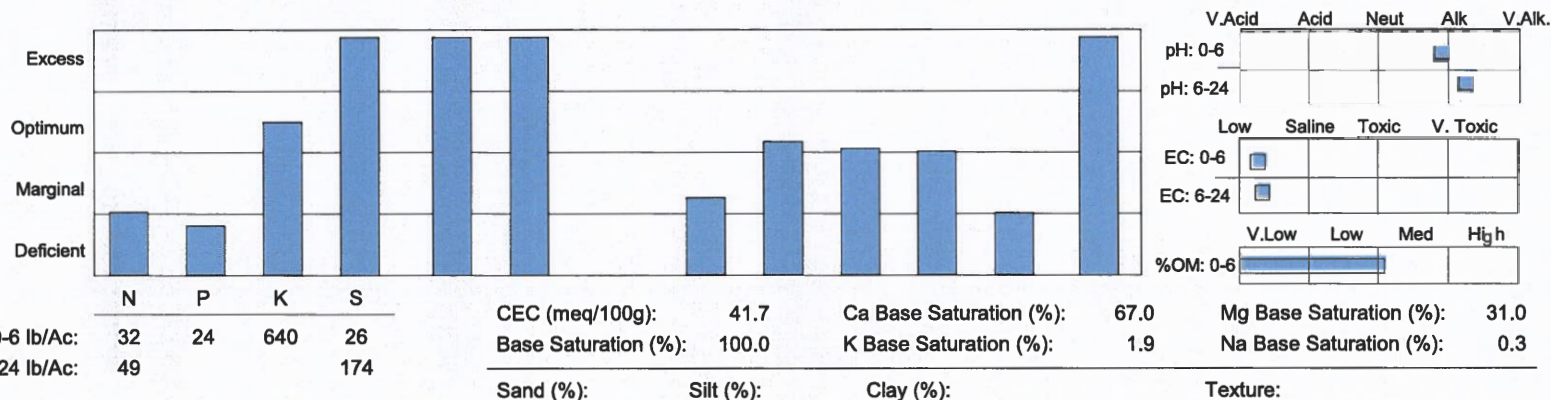
Grower: Gimli Farm
Grower Field Name: 13
Reference Field Name: 95094-A39851949
Legal Location:

Lot Number: 241011_118
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_118-01	0-6	16	12.0	320	13	5600	1500	25	0.5	1.5	25.0	2.0	1.0	14.0	7.9	0.44	4.4
241011_118-02	6-24	8			29									9.5	8.5	0.58	



Total lb/Ac measured: 81 24 640 200
Estimated lb/Ac to 24 inch: 81 200

Recommendation:	Comments:
	* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

Grower: Gimli Farm
Grower Field Name: 14
Reference Field Name: 95094-A39851921
Legal Location:

Lot Number: 241011_121
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

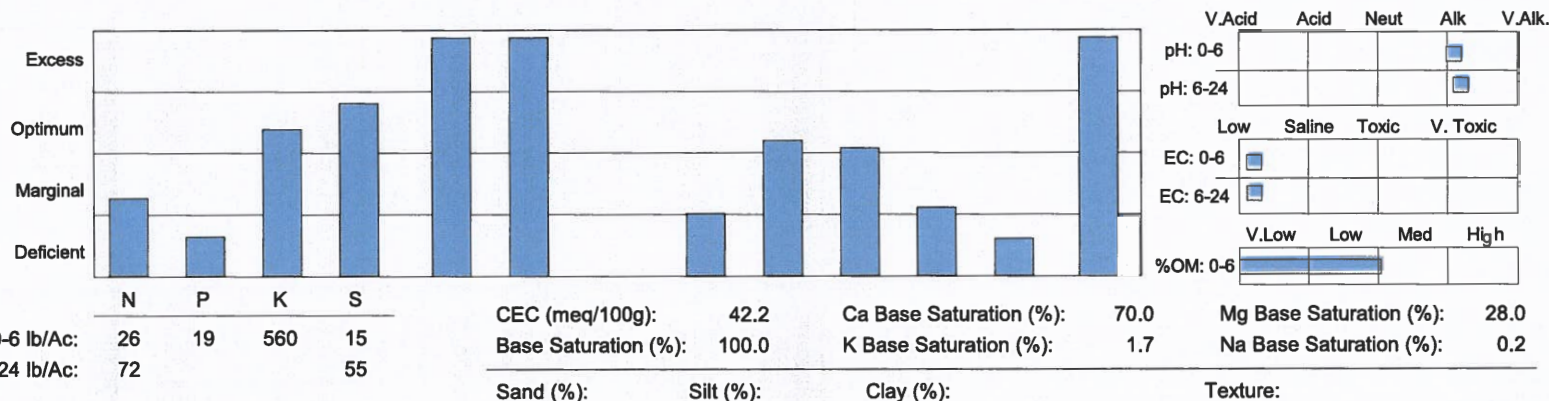
Attention: Daniel Fox

Client ID: 21-0005

Total Acres:

Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_121-01	0-6	13	9.5	280	7	5900	1400	23	0.4	1.6	30.0	1.1	0.6	11.0	8.2	0.34	4.2
241011_121-02	6-24	12			9									7.0	8.4	0.35	



Total lb/Ac measured: 98 19 560 70
Estimated lb/Ac to 24 inch: 98 19 560 70

Recommendation:

Comments:

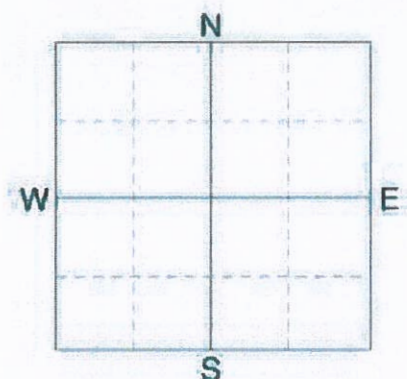
* Bicarbonate-Extractable (Olsen) Phosphate



Soil Analysis by Agvise Laboratories
(<http://www.agvise.com>)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **15**
SAMPLE ID **FIELD #15**
FIELD NAME
COUNTY
TWP **18-3E** RANGE
SECTION **35** QTR **NE** ACRES **155**
PREV. CROP **Alfalfa Seed**



SUBMITTED FOR:
JEREMY WALDNER
BOX 10
STE AGATHE, MB **ROG 1Y0**

SUBMITTED BY: **NE3488**
NEXT YEAR INC
PO BOX 157
KOMERNO, MB **ROC 1R0**

REF # **21467694** BOX # **4570**
LAB # **NW180434**

Date Sampled **10/09/2024**

Date Received **10/11/2024**

Date Reported **10/15/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice									
Nitrate	0-6"	6 lb/acre 3 lb/acre	V	Low	Med	High	Wheat-Spring			Soybeans			Oats								
	6-24"					YIELD GOAL			YIELD GOAL			YIELD GOAL									
			****			80 BU			50 BU			130 BU									
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES									
						Broadcast			Broadcast			Broadcast									
	Olsen	8 ppm	*****				LB/ACRE		APPLICATION		LB/ACRE		APPLICATION		LB/ACRE		APPLICATION				
Phosphorus							N	182			N	***			N	96					
Potassium		280 ppm	*****				P ₂ O ₅	91	Broadcast		P ₂ O ₅	68	Broadcast		P ₂ O ₅	66	Broadcast				
Chloride	0-24"	44 lb/acre	*****				K ₂ O	10	Band (Starter)*		K ₂ O	0			K ₂ O	10	Band (Starter)*				
							Cl	0			Cl	0			Cl	0					
	0-6"	22 lb/acre	*****																		
	6-24"	36 lb/acre	*****																		
Sulfur							S	10	Broadcast (Trial)		S	10	Broadcast (Trial)		S	10	Broadcast (Trial)				
Boron		0.9 ppm	*****				B	0			B	0			B	0					
Zinc		0.36 ppm	*****				Zn	1	Broadcast		Zn	3	Broadcast		Zn	1	Broadcast				
Iron		22.0 ppm	*****				Fe	0			Fe	0			Fe	0					
Manganese		1.7 ppm	*****				Mn	0			Mn	0			Mn	0					
Copper		1.4 ppm	*****				Cu	0			Cu	0			Cu	0					
Magnesium		1500 ppm	*****				Mg	0			Mg	0			Mg	0					
Calcium		5635 ppm	*****				Lime				Lime				Lime						
Sodium		27 ppm	****																		
Org.Matter		5.4 %	*****																		
Carbonate(CCE)		4.4 %	*****																		
Sol. Salts	0-6"	0.58 mmho/cm	*****				Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)								
	6-24"	0.38 mmho/cm	*****				0-6" 8.0 6-24" 8.5				41.5 meq		(65-75) 67.9		(15-20) 30.1		(1-7) 1.7		(0-5) 0.3		(0-5) 0.0

General Comments: Soil texture is not estimated on high pH soils.

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P₂O₅ = 50 K₂O = 30 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Crop 2: Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P₂O₅ = 38 K₂O = 59 AGVISE Broadcast guideline will build P & K test levels to the high range over several years. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P₂O₅ = 33 K₂O = 25 AGVISE Broadcast guideline will build P & K test levels to the high range over several years.

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

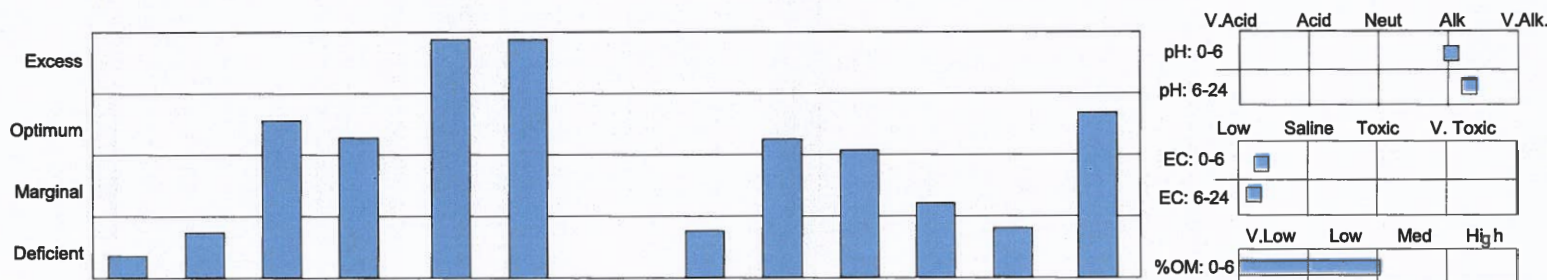
Grower: Gimli Farm
Grower Field Name: 15a
Reference Field Name: 95094-A39851952
Legal Location:

Lot Number: 241011_113
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_113-01	0-6	8	11.0	340	8	5900	1900	27	0.3	1.8	27.0	1.2	0.4	12.0	8.1	0.58	4.2
241011_113-02	6-24	2			5									4.4	8.7	0.34	



	N	P	K	S	CEC (meq/100g):	46.4	Ca Base Saturation (%):	63.0	Mg Base Saturation (%):	34.0
0-6 lb/Ac:	17	22	680	15	Base Saturation (%):	100.0	K Base Saturation (%):	1.9	Na Base Saturation (%):	0.3
6-24 lb/Ac:	11			28						
					Sand (%):		Silt (%):		Clay (%):	Texture:

Total lb/Ac measured: 28 22 680 43
Estimated lb/Ac to 24 inch: 28 28 43

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

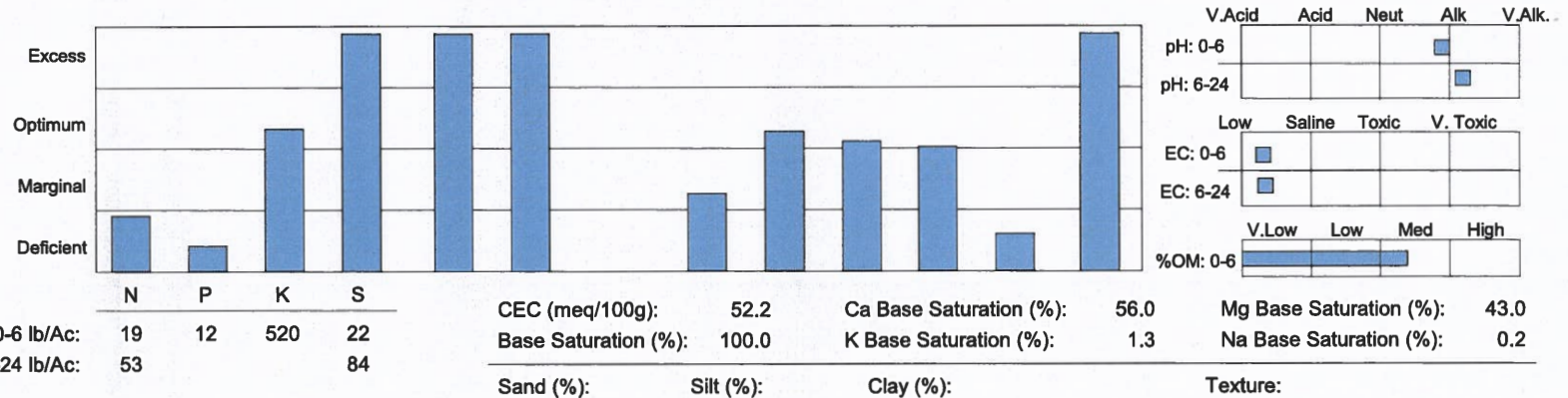
Grower: Gimli Farm
Grower Field Name: 17
Reference Field Name: 95094-A39851923
Legal Location:

Lot Number: 241011_119
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_119-01	0-6	10	6.2	260	11	5800	2700	29	0.5	1.9	40.0	2.5	0.6	13.0	7.9	0.54	5.6
241011_119-02	6-24	9			14									6.4	8.4	0.60	



Total lb/Ac measured: 72 12 520 106
Estimated lb/Ac to 24 inch: 72 106

Recommendation:	Comments:
	* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

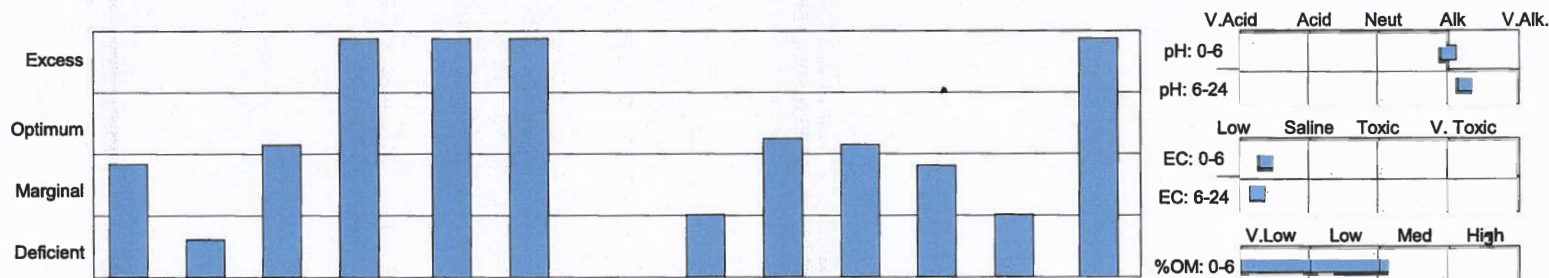
Grower: Gimli Farm
Grower Field Name: 18
Reference Field Name: 95094-A39851948
Legal Location:

Lot Number: 241011_117
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_117-01	0-6	24	9.1	200	16	6100	1500	29	0.4	1.8	50.0	1.8	0.5	11.0	8.0	0.67	4.6
241011_117-02	6-24	15			22									9.3	8.5	0.43	



	N	P	K	S	CEC (meq/100g):	43.3	Ca Base Saturation (%):	70.0	Mg Base Saturation (%):	28.0
0-6 lb/Ac:	48	18	400	32	Base Saturation (%):	100.0	K Base Saturation (%):	1.2	Na Base Saturation (%):	0.3
6-24 lb/Ac:	90			132	Sand (%):		Silt (%):		Clay (%):	
									Texture:	

Total lb/Ac measured: 138 18 400 164
Estimated lb/Ac to 24 inch: 138 164

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

Grower: Gimli Farm
Grower Field Name: 19
Reference Field Name: 95094-A39851950
Legal Location:

Lot Number: 241011_122
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

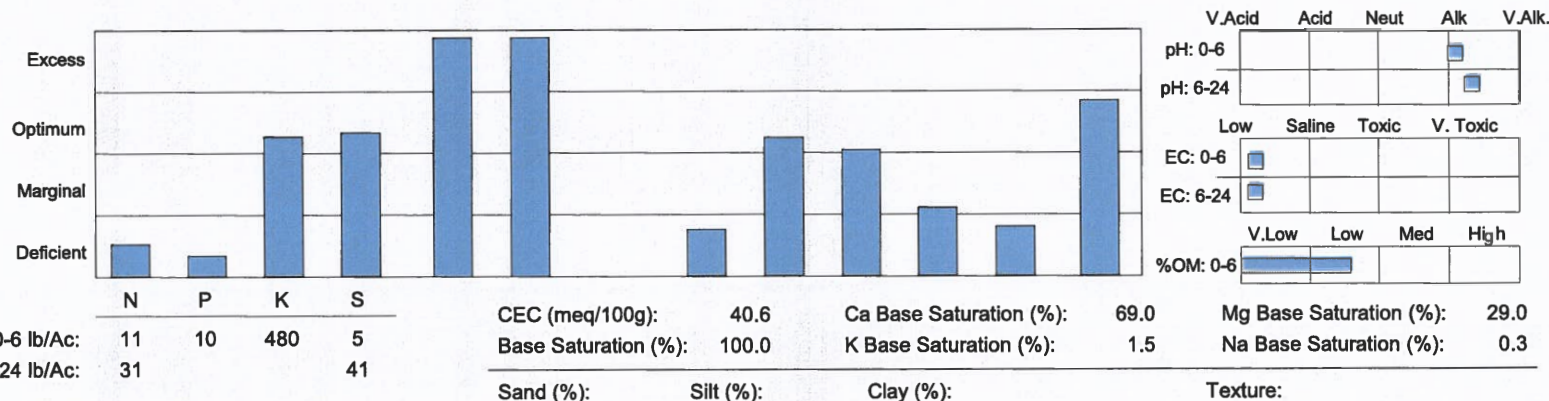
Attention: Daniel Fox

Client ID: 21-0005

Total Acres:

Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_122-01	0-6	5	5.0	240	2	5600	1400	25	0.3	1.8	21.0	1.1	0.4	5.4	8.2	0.34	3.2
241011_122-02	6-24	5			7									7.4	8.7	0.33	



Total lb/Ac measured: 42 10 480 46
Estimated lb/Ac to 24 inch: 42 10 480 46

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

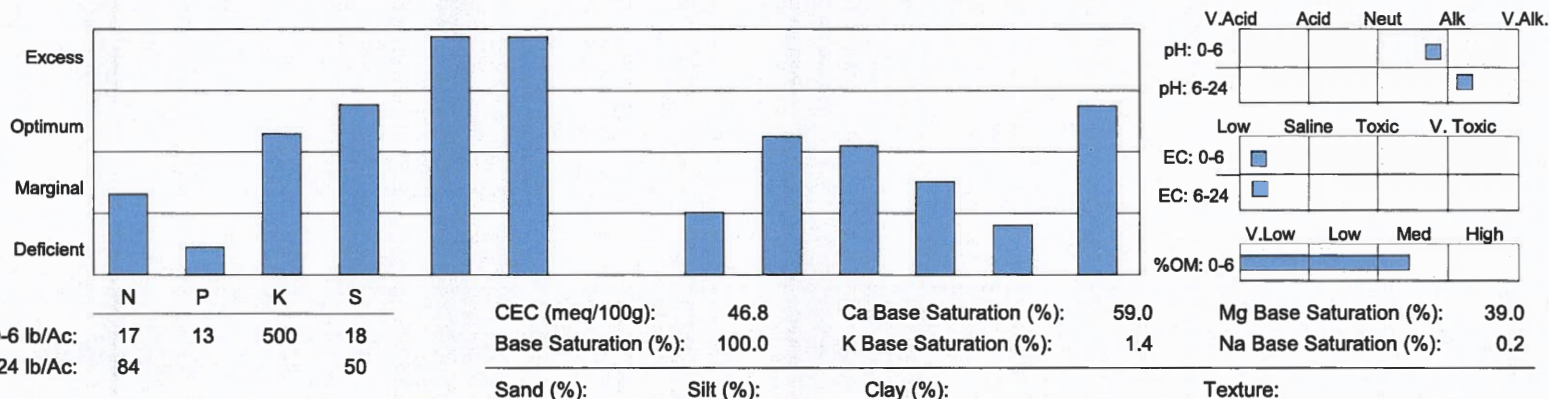
Grower: Gimli Farm
Grower Field Name: 20a
Reference Field Name: 95094-A39851929
Legal Location:

Lot Number: 241011_114
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_114-01	0-6	9	6.6	250	9	5500	2200	25	0.4	1.8	36.0	1.5	0.4	8.9	7.8	0.46	5.8
241011_114-02	6-24	14			8									5.7	8.5	0.49	



Total lb/Ac measured: 101 13 500 68
Estimated lb/Ac to 24 inch: 101 13 500 68

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

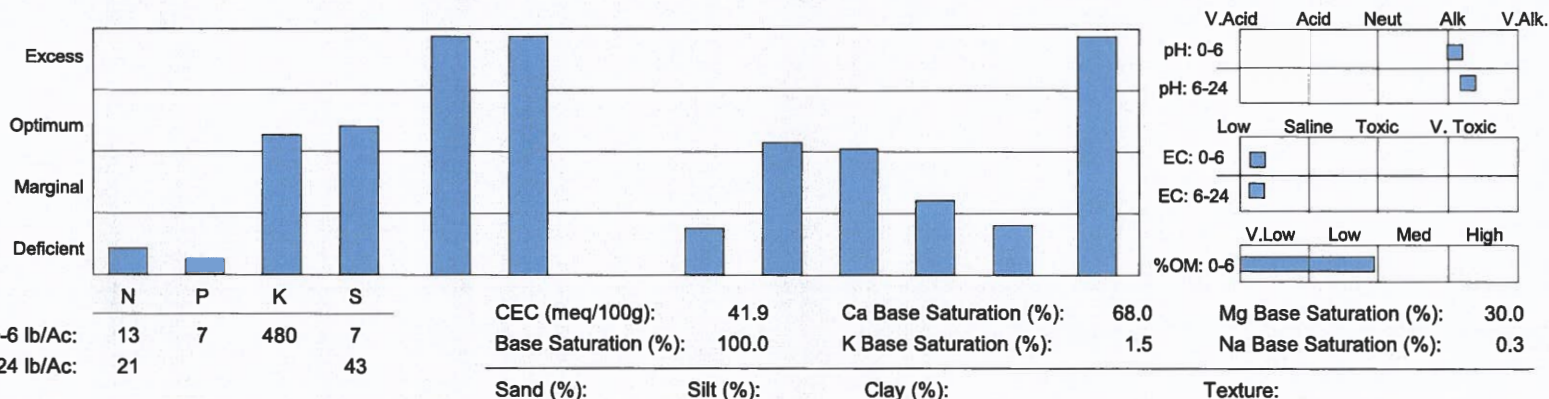
Grower: Gimli Farm
Grower Field Name: 21
Reference Field Name: 95094-A39851928
Legal Location:

Lot Number: 241011_120
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_120-01	0-6	7	3.7	240	4	5700	1500	26	0.3	1.4	20.0	1.2	0.4	19.0	8.2	0.41	3.9
241011_120-02	6-24	4			7									6.9	8.6	0.39	



Total lb/Ac measured: 34 7 480 50
Estimated lb/Ac to 24 inch: 34 7 480 50

Recommendation:	Comments:
	* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

Grower: Gimli Farm
Grower Field Name: 23
Reference Field Name: 95094-A39851927
Legal Location:

Lot Number: 241011_123
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

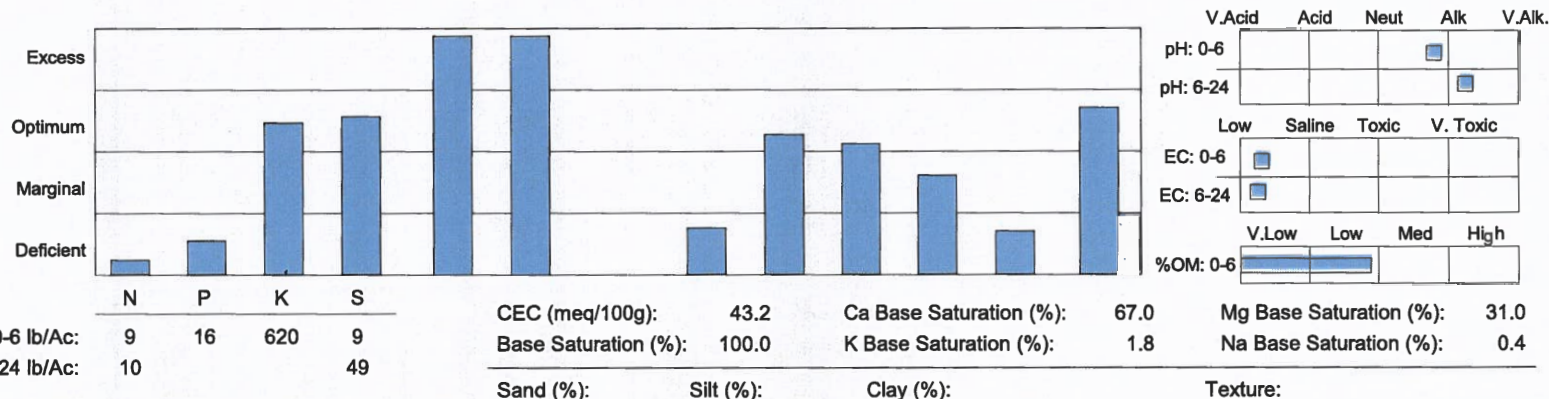
Attention: Daniel Fox

Client ID: 21-0005

Total Acres:

Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_123-01	0-6	5	8.2	310	5	5800	1600	36	0.3	1.9	42.0	1.6	0.7	7.0	7.8	0.53	3.8
241011_123-02	6-24	2			8									6.1	8.5	0.42	



Total lb/Ac measured: 19 16 620 58
Estimated lb/Ac to 24 inch: 19 16 620 58

Recommendation:	Comments:
	* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

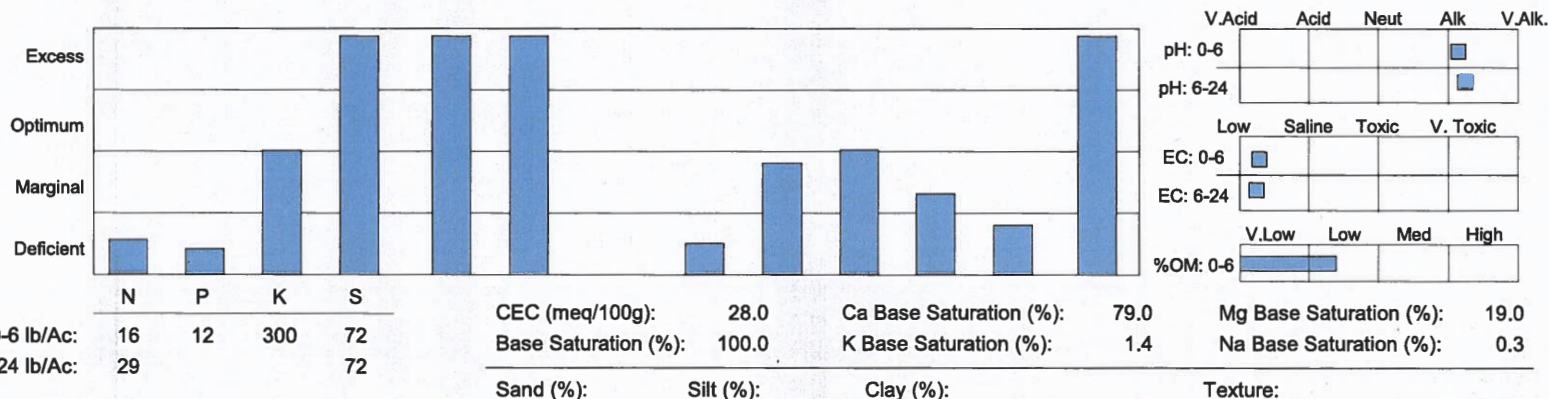
Grower: Gimli Farm
Grower Field Name: 60
Reference Field Name: 95094-A39851953
Legal Location:

Lot Number: 241011_112
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_112-01	0-6	8	6.2	150	36	4500	640	16	0.2	0.7	13.0	1.3	0.4	16.0	8.3	0.46	2.8
241011_112-02	6-24	5			12									11.0	8.5	0.37	



Total lb/Ac measured: 45 12 300 144
Estimated lb/Ac to 24 inch: 45 144

Recommendation:	Comments:
	* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

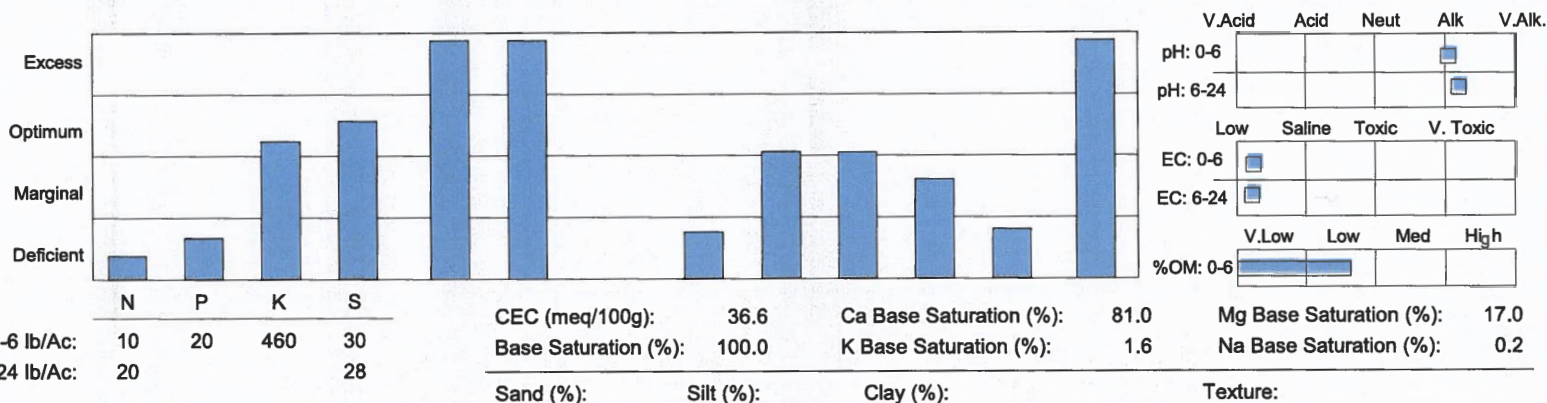
Grower: Gimli Farm
Grower Field Name: 61 Berlo
Reference Field Name: 95094-A39851937
Legal Location:

Lot Number: 241011_111
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

Attention: Daniel Fox
Client ID: 21-0005

Total Acres:
Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_111-01	0-6	5	10.0	230	15	6000	760	16	0.3	1.0	22.0	1.6	0.4	11.0	8.1	0.39	3.3
241011_111-02	6-24	3			5									7.3	8.4	0.34	



Total lb/Ac measured: 30 20 460 58
Estimated lb/Ac to 24 inch: 30 20 460 58

Recommendation:	Comments:
	* Bicarbonate-Extractable (Olsen) Phosphate

Report To: Daniel Fox
Box 51
Brunkild, MB R0G 0E0

Grower: Gimli Farm
Grower Field Name: Big D
Reference Field Name: 95094-A39852945
Legal Location: SW 11-20-3E

Lot Number: 241011_106
Date Sampled: 2024/10/11
Received Date: 2024/10/11
Date Reported: 2024/10/12

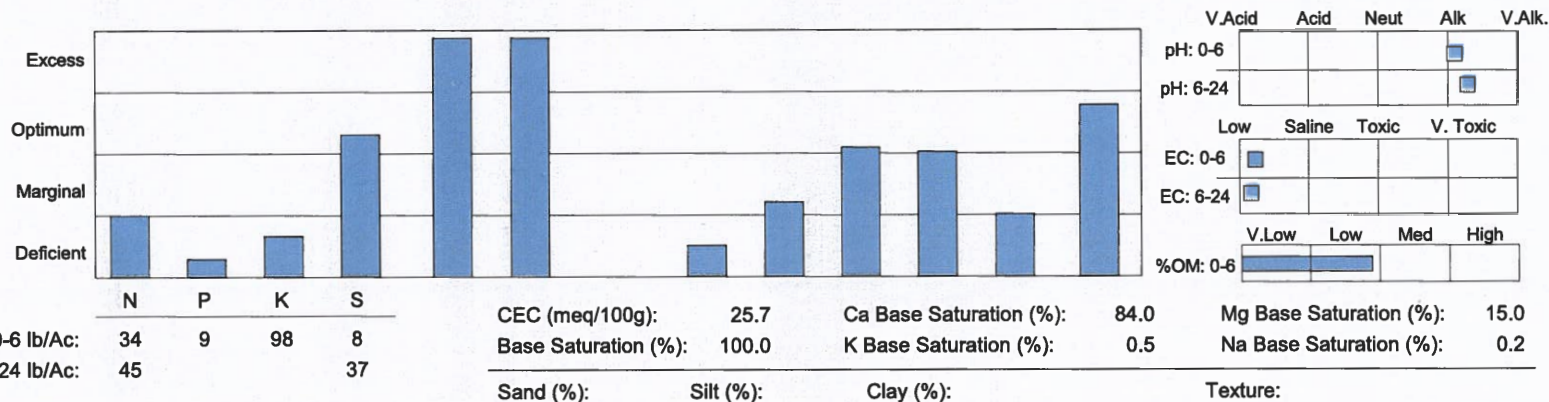
Attention: Daniel Fox

Client ID: 21-0005

Total Acres:

Sampler:

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
241011_106-01	0-6	17	4.3	49	4	4300	480	13	0.2	0.4	35.0	2.6	0.5	5.8	8.2	0.31	3.8
241011_106-02	6-24	8			6									6.8	8.6	0.23	



Total lb/Ac measured: N: 79, P: 9, K: 98, S: 45
Estimated lb/Ac to 24 inch: N: 79, S: 45

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate