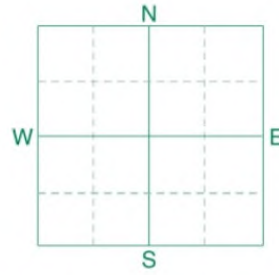




Soil Analysis by Agvise Laboratories
(http://www.agvise.com)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **APLUS 014**
SAMPLE ID **Field 1.**
FIELD NAME
COUNTY
TWP **5** RANGE **1W**
SECTION **20** QTR **W** ACRES **307**
PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
A PLUS PRODUCERS

MORRIS,

SUBMITTED BY: **RO1610**
ROSENORT AGRO LTD
62 PROVINCIAL RD 205
BOX 184
ROSENORT, MB **ROG 1W0**

REF # **2656587** BOX # **6**
LAB # **NW57667**

Date Sampled

Date Received **09/05/2019**

Date Reported **9/9/2019**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow Low Med High								
Nitrate	0-6"	16 lb/ac								
	6-24"	15 lb/ac								
	0-24"	31 lb/ac								
Phosphorus	Olsen	6 ppm								
Potassium		564 ppm								
Chloride	0-24"	288 lb/ac								
Sulfur	0-6"	24 lb/ac								
	6-24"	360 +lb/ac								
Boron		1.7 ppm								
Zinc		0.78 ppm								
Iron		19.8 ppm								
Manganese		1.2 ppm								
Copper		1.9 ppm								
Magnesium		1865 ppm								
Calcium		6270 ppm								
Sodium		144 ppm								
Org.Matter		5.1 %								
Carbonate(CCE)		4.1 %								
Sol. Salts	0-6"	0.59 mmho/cm								
	6-24"	1.57 mmho/cm								
			Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			0-6" 8.2		49.0 meq	% Ca (65-75)	% Mg (15-20)	% K (1-7)	% Na (0-5)	% H (0-5)
			6-24" 8.2			64.0	31.7	3.0	1.3	0.0

General Comments: Texture is not estimated on high pH soils.

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 26 K2O = 41 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 34 K2O = 53 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

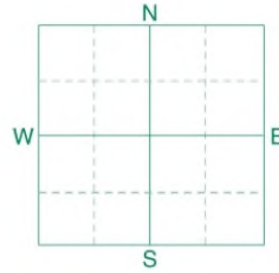
Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 41 K2O = 65 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.



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 (http://www.agvise.com)
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 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **APLUS 014**
 SAMPLE ID **Field 2.**
 FIELD NAME
 COUNTY
 TWP **5** RANGE **1W**
 SECTION **20** QTR **SE** ACRES **160**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
A PLUS PRODUCERS

MORRIS,

SUBMITTED BY: **RO1610**
ROSENORT AGRO LTD
62 PROVINCIAL RD 205
BOX 184
ROSENORT, MB **ROG 1WO**

REF # **2656588** BOX # **5939**
 LAB # **NW57668**

Date Sampled

Date Received **09/05/2019**

Date Reported **9/9/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		Low	Med	High									
Nitrate	0-6"	17 lb/ac				Soybeans		Soybeans		Soybeans			
	6-24"	27 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"	44 lb/ac				35 BU		45 BU		55 BU			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	8 ppm				N ***		N ***		N ***			
Potassium		533 ppm				P ₂ O ₅ 28 Band *		P ₂ O ₅ 36 Band *		P ₂ O ₅ 44 Band *			
Chloride	0-24"	592 lb/ac				K ₂ O 0		K ₂ O 0		K ₂ O 0			
Sulfur	0-6"	34 lb/ac				Cl 0		Cl 0		Cl 0			
	6-24"	360 +lb/ac				S 0		S 0		S 0			
Boron		1.4 ppm				B 0		B 0		B 0			
Zinc		1.08 ppm				Zn 0		Zn 0		Zn 0			
Iron		24.1 ppm				Fe 0		Fe 0		Fe 0			
Manganese		1.4 ppm				Mn 0		Mn 0		Mn 0			
Copper		2.18 ppm				Cu 0		Cu 0		Cu 0			
Magnesium		1769 ppm				Mg 0		Mg 0		Mg 0			
Calcium		5690 ppm				Lime		Lime		Lime			
Sodium		133 ppm											
Org.Matter		5.3 %											
Carbonate(CCE)		2.7 %											
Sol. Salts	0-6"	0.51 mmho/cm				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24"	1.3 mmho/cm				0-6" 8.1		45.1 meq	% Ca (65-75)	% Mg (15-20)	% K (1-7)	% Na (0-5)	% H (0-5)
						6-24" 8.3			63.0	32.7	3.0	1.3	0.0

General Comments: Texture is not estimated on high pH soils.

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 26 K2O = 41 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 34 K2O = 53 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

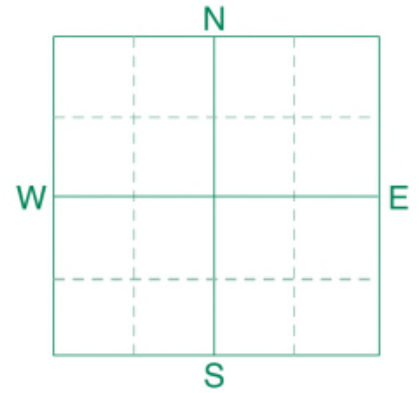
Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 41 K2O = 65 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.



Soil Analysis by Agvise Laboratories
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SOIL TEST REPORT

FIELD ID 9SE
 SAMPLE ID Field 4.
 FIELD NAME
 COUNTY 1W
 TWP 5 RANGE
 SECTION 17 QTR.SE ACRES 160
 PREV. CROP Soybeans



SUBMITTED FOR:
 A+ PRODUCERS

SUBMITTED BY: FI6625
 FIELD 2 FIELD AGRONOMY
 JASON VOOGT
 BOX 1931
 CARMAN, MB ROG OJO

REF # 18675023 BOX # 2999
 LAB # NW170601

Date Sampled 10/14/2020

Date Received 10/15/2020

Date Reported 10/20/2020

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow Low Med High	YIELD GOAL		YIELD GOAL		YIELD GOAL			
		*****	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Nitrate	0-6" 13 lb/acre 6-24" 12 lb/acre 0-24" 25 lb/acre		N		N		N			
Phosphorus	Olsen 21 ppm	*****	P ₂ O ₅		P ₂ O ₅		P ₂ O ₅			
Potassium	581 ppm	*****	K ₂ O		K ₂ O		K ₂ O			
Chloride	0-24" 244 lb/acre	*****	Cl		Cl		Cl			
Sulfur	0-6" 16 lb/acre 6-24" 132 lb/acre	*****	S		S		S			
Boron	1.2 ppm	*****	B		B		B			
Zinc	1.79 ppm	*****	Zn		Zn		Zn			
Iron	17.2 ppm	*****	Fe		Fe		Fe			
Manganese	2.1 ppm	*****	Mn		Mn		Mn			
Copper	1.93 ppm	*****	Cu		Cu		Cu			
Magnesium	1603 ppm	*****	Mg		Mg		Mg			
Calcium	5620 ppm	*****	Lime		Lime		Lime			
Sodium	62 ppm	*****								
Org.Matter	6.1 %	*****								
Carbonate(CCE)	1.6 %	*****								
Sol. Salts	0-6" 0.47 mmho/cm 6-24" 0.68 mmho/cm	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
						% Ca	% Mg	% K	% Na	% H
			0-6" 7.8 6-24" 8.2		43.2 meq	(65-75) 65.0	(15-20) 30.9	(1-7) 3.4	(0-5) 0.6	(0-5) 0.0

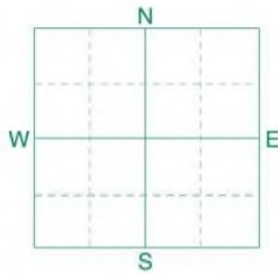
General Comments: Soil texture is not estimated on high pH soils.



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

SOIL TEST REPORT

FIELD ID **APLUS 017**
 SAMPLE ID **Field 5.**
 FIELD NAME
 COUNTY
 TWP **5** RANGE **1W**
 SECTION **16** QTR **S1/2** ACRES **40**
 OF SW
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
A PLUS PRODUCERS
MORRIS,

SUBMITTED BY: **RO1610**
ROSENORT AGRO LTD
62 PROVINCIAL RD 205
BOX 184
ROSENORT, MB **ROG 1WO**

REF # **2705755** BOX # **5661**
 LAB # **NW122348**

Date Sampled Date Received **11/01/2019** Date Reported **11/5/2019**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice					
		V Low Low Med High										
Nitrate	0-6" 13 lb/ac		Soybeans		Soybeans		Soybeans					
	6-24" 33 lb/ac		YIELD GOAL		YIELD GOAL		YIELD GOAL					
	0-24" 46 lb/ac	*****	35 BU		45 BU		55 BU					
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
			Band/Maint.		Band/Maint.		Band/Maint.					
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Phosphorus	Olsen 7 ppm	*****	N ***		N ***		N ***					
Potassium	487 ppm	*****	P ₂ O ₅ 29	Band *	P ₂ O ₅ 38	Band *	P ₂ O ₅ 46	Band *				
Chloride	0-24" 52 lb/ac	*****	K ₂ O 0		K ₂ O 0		K ₂ O 0					
Sulfur	0-6" 28 lb/ac	*****	Cl 0		Cl 0		Cl 0					
	6-24" 90 lb/ac	*****	S 5	Band (Trial)	S 5	Band (Trial)	S 5	Band (Trial)				
Baron	1.2 ppm	*****	B 0		B 0		B 0					
Zinc	1.20 ppm	*****	Zn 0		Zn 0		Zn 0					
Iron	26.1 ppm	*****	Fe 0		Fe 0		Fe 0					
Manganese	1.7 ppm	*****	Mn 0		Mn 0		Mn 0					
Copper	2.27 ppm	*****	Cu 0		Cu 0		Cu 0					
Magnesium	1511 ppm	*****	Mg 0		Mg 0		Mg 0					
Calcium	5232 ppm	*****	Lime		Lime		Lime					
Sodium	52 ppm	*****										
Org.Matter	5.5 %	*****										
Carbonate(CCE)	1.2 %	*****										
Sol. Salts	0-6" 0.52 mmho/cm	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24" 0.59 mmho/cm	*****	0-6" 7.8	6-24" 8.3			40.2 meq	% Ca (65-75)	% Mg (15-20)	% K (1-7)	% Na (0-5)	% H (0-5)
								65.0	31.3	3.1	0.6	0.0

General Comments: Texture is not estimated on high pH soils.

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 26 K2O = 41 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 34 K2O = 53 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

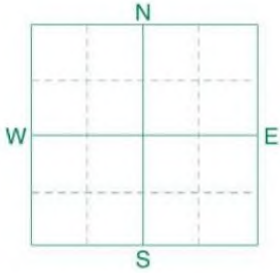
Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 41 K2O = 65 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.



Soil Analysis by Agvise Laboratories
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Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **APLUS 017**
SAMPLE ID **Field 6.**
FIELD NAME
COUNTY
TWP **5** RANGE **1W**
SECTION **16** QTR **S1/2 OF SW** ACRES **80**
PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
A PLUS PRODUCERS
MORRIS,

SUBMITTED BY: **RO1610**
ROSENORT AGRO LTD
62 PROVINCIAL RD 205
BOX 184
ROSENORT, MB **ROG 1WO**

REF # **2656594** BOX # **5927**
LAB # **NW57669**

Date Sampled Date Received **09/05/2019** Date Reported **9/9/2019**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		Low Med High								
Nitrate	0-6" 10 lb/ac		Soybeans	Soybeans	Soybeans					
	6-24" 6 lb/ac		YIELD GOAL	YIELD GOAL	YIELD GOAL					
	0-24" 16 lb/ac		35 BU	45 BU	55 BU					
			SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES					
			Band/Maint.	Band/Maint.	Band/Maint.					
Olsen	29 ppm		LB/ACRE APPLICATION	LB/ACRE APPLICATION	LB/ACRE APPLICATION					
Phosphorus			N ***	N ***	N ***					
Potassium	585 ppm		P ₂ O ₅ 26 Band *	P ₂ O ₅ 34 Band *	P ₂ O ₅ 41 Band *					
Chloride	0-24" 256 lb/ac		K ₂ O 0	K ₂ O 0	K ₂ O 0					
Sulfur	0-6" 10 lb/ac		Cl 0	Cl 0	Cl 0					
	6-24" 132 lb/ac		S 7 Band (Trial)	S 7 Band (Trial)	S 7 Band (Trial)					
Boron	1.5 ppm		B 0	B 0	B 0					
Zinc	1.42 ppm		Zn 0	Zn 0	Zn 0					
Iron	22.2 ppm		Fe 0	Fe 0	Fe 0					
Manganese	1.6 ppm		Mn 0	Mn 0	Mn 0					
Copper	1.97 ppm		Cu 0	Cu 0	Cu 0					
Magnesium	1678 ppm		Mg 0	Mg 0	Mg 0					
Calcium	6300 ppm		Lime	Lime	Lime					
Sodium	69 ppm									
Org.Matter	5.9 %									
Carbonate(CCE)	2.8 %									
Sol. Salts	0-6" 0.49 mmho/cm		Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24" 0.76 mmho/cm		0-6" 8.0		47.3 meq	% Ca	% Mg	% K	% Na	% H
			6-24" 8.3			(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
						66.6	29.6	3.2	0.6	0.0

General Comments: Texture is not estimated on high pH soils.

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 26 K2O = 41 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 34 K2O = 53 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

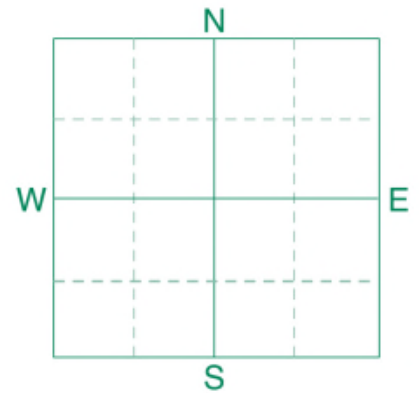
Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 41 K2O = 65 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.



Soil Analysis by Agvise Laboratories
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 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID APLUS 026
 SAMPLE ID Field 7.
 FIELD NAME
 COUNTY
 TWP 5 RANGE 1W
 SECTION 8 QTR.NW ACRES 160
 PREV. CROP Soybeans



SUBMITTED FOR:
 A PLUS PRODUCERS

MORRIS,

SUBMITTED BY: RO1610

ROSENORT AGRO LTD
 62 PROVINCIAL RD 205
 BOX 184
 ROSENORT, MB

ROG 1WO

REF # 2385302 BOX # 3270
 LAB # NW159188

Date Sampled

Date Received 10/27/2018

Date Reported 10/31/2018

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6"	26 lb/ac				Corn-Grain		Corn-Grain		Corn-Grain			
	6-24"	27 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"	53 lb/ac				150 BU		160 BU		170 BU			
Phosphorus	Olsen	13 ppm				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
Potassium		529 ppm				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Chloride	0-24"	1076 lb/ac				N	97	N	109	N	121		
	0-6"	120 +lb/ac				P2O5	60 Band *	P2O5	64 Band *	P2O5	68 Band *		
Sulfur	6-24"	360 +lb/ac				K2O	10 Band (2x2) *	K2O	10 Band (2x2) *	K2O	10 Band (2x2) *		
						Cl	Not Available	Cl	Not Available	Cl	Not Available		
Boron		1.6 ppm				S	0	S	0	S	0		
Zinc		0.52 ppm				B	0	B	0	B	0		
Iron		27.2 ppm				Zn	2 Band	Zn	3 Band	Zn	3 Band		
Manganese		2.6 ppm				Fe	0	Fe	0	Fe	0		
Copper		1.85 ppm				Mn	0	Mn	0	Mn	0		
Magnesium		1577 ppm				Cu	0	Cu	0	Cu	0		
Calcium		5779 ppm				Mg	0	Mg	0	Mg	0		
Sodium		94 ppm				Lime		Lime		Lime			
Org.Matter		6.5 %				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
Carbonate(CCE)		2.4 %							% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6"	0.81 mmho/cm				0-6" 7.7		43.8 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
	6-24"	1.2 mmho/cm				6-24" 8.1			66.0	30.0	3.1	0.9	

General Comments: Texture is not estimated on high pH soils.

Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 41 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 2: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 64 K2O = 43 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

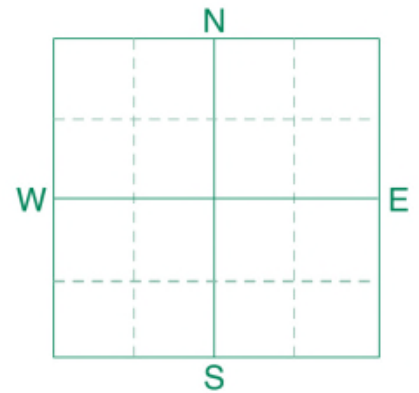
Crop 3: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 68 K2O = 46 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



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

SOIL TEST REPORT

FIELD ID APLUS 026
 SAMPLE ID Field 8.
 FIELD NAME
 COUNTY
 TWP 5 RANGE 1W
 SECTION 8 QTR.NE ACRES 160
 PREV. CROP Soybeans



SUBMITTED FOR:
 A PLUS PRODUCERS

MORRIS,

SUBMITTED BY: RO1610

ROSENORT AGRO LTD
 62 PROVINCIAL RD 205
 BOX 184
 ROSENORT, MB

ROG 1WO

REF # 2385297 BOX # 3274
 LAB # NW159452

Date Sampled

Date Received 10/29/2018

Date Reported 10/31/2018

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	Corn-Grain		Corn-Grain		Corn-Grain			
Nitrate	0-6" 6-24"	25 lb/ac 36 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL			
						150 BU		160 BU		170 BU			
	0-24"	61 lb/ac				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	13 ppm					N	89	N	101	N	113		
Phosphorus						P2O5	60 Band *	P2O5	64 Band *	P2O5	68 Band *		
Potassium	583 ppm					K2O	10 Band (2x2) *	K2O	10 Band (2x2) *	K2O	10 Band (2x2) *		
Chloride	0-24"	1780 lb/ac				Cl	Not Available	Cl	Not Available	Cl	Not Available		
	0-6" 6-24"	102 lb/ac 360 +lb/ac				S	0	S	0	S	0		
Sulfur						B	0	B	0	B	0		
Boron	1.5 ppm					Zn	2 Band	Zn	3 Band	Zn	3 Band		
Zinc	0.49 ppm					Fe	0	Fe	0	Fe	0		
Iron	26.3 ppm					Mn	0	Mn	0	Mn	0		
Manganese	2.6 ppm					Cu	0	Cu	0	Cu	0		
Copper	1.83 ppm					Mg	0	Mg	0	Mg	0		
Magnesium	1609 ppm					Lime		Lime		Lime			
Calcium	5301 ppm					Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
Sodium	118 ppm								% Ca	% Mg	% K	% Na	% H
Org.Matter	7.2 %					0-6" 7.8		41.9 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
Carbonate(CCE)	1.4 %					6-24" 7.9			63.2	32.0	3.6	1.2	
Sol. Salts	0-6" 6-24"	0.86 mmho/cm 2.6 mmho/cm											

General Comments: Texture is not estimated on high pH soils.

Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 41 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 2: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 64 K2O = 43 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

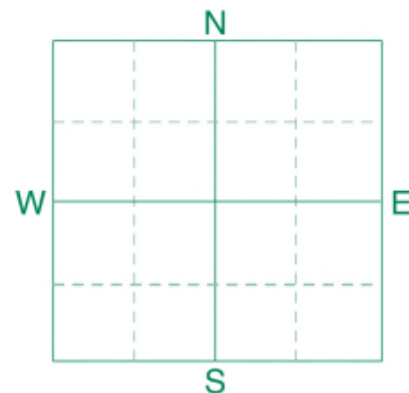
Crop 3: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 68 K2O = 46 A GVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



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

SOIL TEST REPORT

FIELD ID APLUS 026
 SAMPLE ID Field 9.
 FIELD NAME
 COUNTY
 TWP 5 RANGE 1W
 SECTION 8 QTR.SW ACRES 160
 PREV. CROP Soybeans



SUBMITTED FOR:
 A PLUS PRODUCERS

MORRIS,

SUBMITTED BY: RO1610

ROSENORT AGRO LTD
 62 PROVINCIAL RD 205
 BOX 184
 ROSENORT, MB ROG 1WO

REF # 2385299 BOX # 358
 _AB # NW107279

Date Sampled

Date Received 10/03/2018

Date Reported 10/4/2018

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		Low	Med	High									
Nitrate	0-6" 15 lb/ac				Corn-Grain		Corn-Grain		Corn-Grain				
	6-24" 9 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 24 lb/ac				150 BU		160 BU		170 BU				
					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
					Band/Maint.		Band/Maint.		Band/Maint.				
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 10 ppm				N 126		N 138		N 150				
Potassium	491 ppm				P2O5 60	Band *	P2O5 64	Band *	P2O5 68	Band *			
Chloride	0-24" 844 lb/ac				K2O 10	Band (2x2) *	K2O 10	Band (2x2) *	K2O 10	Band (2x2) *			
Sulfur	0-6" 54 lb/ac				Cl	Not Available	Cl	Not Available	Cl	Not Available			
	6-24" 318 lb/ac				S 0		S 0		S 0				
Boron	1.3 ppm				B 0		B 0		B 0				
Zinc	0.42 ppm				Zn 2	Band	Zn 3	Band	Zn 3	Band			
Iron	18.7 ppm				Fe 0		Fe 0		Fe 0				
Manganese	1.4 ppm				Mn 0		Mn 0		Mn 0				
Copper	1.98 ppm				Cu 0		Cu 0		Cu 0				
Magnesium	1821 ppm				Mg 0		Mg 0		Mg 0				
Calcium	5661 ppm				Lime		Lime		Lime				
Sodium	114 ppm												
Org.Matter	5.7 %												
Carbonate(CCE)	2.4 %												
Sol. Salts	0-6" 0.75 mmho/cm				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 1.21 mmho/cm				0-6" 7.8		45.2 meq	% Ca	% Mg	% K	% Na	% H	
					6-24" 8.1			(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
								62.6	33.5	2.8	1.1		

General Comments: Texture is not estimated on high pH soils.

Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 41 A GVI SE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 2: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 64 K2O = 43 A GVI SE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

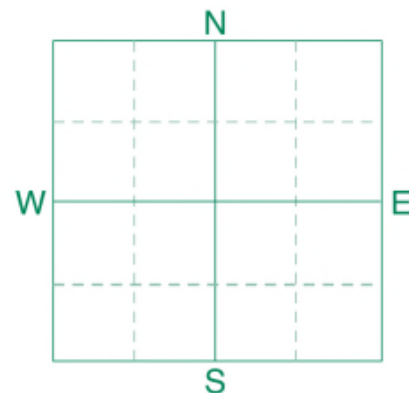
Crop 3: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 68 K2O = 46 A GVI SE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



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

SOIL TEST REPORT

FIELD ID APLUS 026
 SAMPLE ID Field 10.
 FIELD NAME
 COUNTY
 TWP 5 RANGE 1W
 SECTION 8 QTR.SE ACRES 160
 PREV. CROP Soybeans



SUBMITTED FOR:
 A PLUS PRODUCERS

MORRIS,

SUBMITTED BY: RO1610

ROSENORT AGRO LTD
 62 PROVINCIAL RD 205
 BOX 184
 ROSENORT, MB ROG 1WO

REF # 2385298 BOX # 358
 _AB # NW107280

Date Sampled

Date Received 10/03/2018

Date Reported 10/4/2018

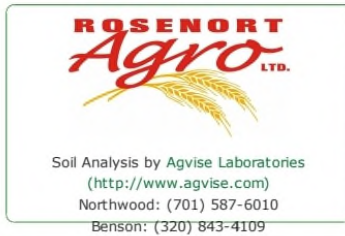
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		Low	Med	High									
Nitrate	0-6" 12 lb/ac				Corn-Grain		Corn-Grain		Corn-Grain				
	6-24" 6 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 18 lb/ac				150 BU		160 BU		170 BU				
					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
					Band/Maint.		Band/Maint.		Band/Maint.				
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 10 ppm				N 132		N 144		N 156				
Potassium	460 ppm				P2O5 60	Band *	P2O5 64	Band *	P2O5 68	Band *			
Chloride	0-24" 508 lb/ac				K2O 10	Band (2x2) *	K2O 10	Band (2x2) *	K2O 10	Band (2x2) *			
Sulfur	0-6" 24 lb/ac				Cl	Not Available	Cl	Not Available	Cl	Not Available			
	6-24" 102 lb/ac				S 0		S 0		S 0				
Boron	1.2 ppm				B 0		B 0		B 0				
Zinc	0.44 ppm				Zn 2	Band	Zn 3	Band	Zn 3	Band			
Iron	21.4 ppm				Fe 0		Fe 0		Fe 0				
Manganese	1.5 ppm				Mn 0		Mn 0		Mn 0				
Copper	2.0 ppm				Cu 0		Cu 0		Cu 0				
Magnesium	1472 ppm				Mg 0		Mg 0		Mg 0				
Calcium	5543 ppm				Lime		Lime		Lime				
Sodium	57 ppm												
Org.Matter	6.0 %												
Carbonate(CCE)	1.6 %												
Sol. Salts	0-6" 0.63 mmho/cm				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 0.78 mmho/cm				0-6" 7.7		41.4 meq	% Ca	% Mg	% K	% Na	% H	
					6-24" 8.1			(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
								66.9	29.6	2.8	0.6		

General Comments: Texture is not estimated on high pH soils.

Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 41 A GVI SE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

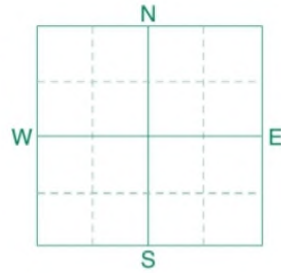
Crop 2: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 64 K2O = 43 A GVI SE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 3: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 68 K2O = 46 A GVI SE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



SOIL TEST REPORT

FIELD ID **APLUS 018**
 SAMPLE ID **Field 11.**
 FIELD NAME
 COUNTY
 TWP **5** RANGE **1W**
 SECTION **5** QTR **NE** ACRES **160**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
A PLUS PRODUCERS
MORRIS,

SUBMITTED BY: **RO1610**
ROSENORT AGRO LTD
62 PROVINCIAL RD 205
BOX 184
ROSENORT, MB **ROG 1W0**

REF # **2705769** BOX # **5661**
 LAB # **NW122350**

Date Sampled _____ Date Received **11/01/2019** Date Reported **11/5/2019**

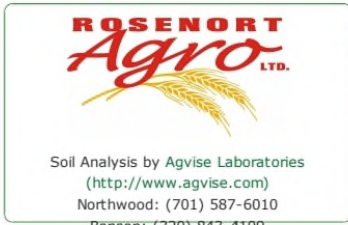
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 12 lb/ac					Canola-bu		Canola-bu		Canola-bu			
	6-24" 36 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24" 48 lb/ac					40 BU		50 BU		60 BU			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
Olsen	19 ppm					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus						N 92		N 127		N 162			
Potassium	564 ppm					P ₂ O ₅ 36 Band *		P ₂ O ₅ 45 Band *		P ₂ O ₅ 54 Band *			
Chloride	0-24" 12 lb/ac					K ₂ O 0		K ₂ O 0		K ₂ O 0			
	0-6" 24 lb/ac 6-24" 108 lb/ac					Cl Not Available		Cl Not Available		Cl Not Available			
Sulfur						S 15 Band		S 15 Band		S 15 Band			
Boron	1.4 ppm					B 0		B 0		B 0			
Zinc	1.52 ppm					Zn 0		Zn 0		Zn 0			
Iron	26.8 ppm					Fe 0		Fe 0		Fe 0			
Manganese	1.7 ppm					Mn 0		Mn 0		Mn 0			
Copper	2.46 ppm					Cu 0		Cu 0		Cu 0			
Magnesium	1714 ppm					Mg 0		Mg 0		Mg 0			
Calcium	5352 ppm					Lime		Lime		Lime			
Sodium	90 ppm												
Org.Matter	6.0 %												
Carbonate(CCE)	2.0 %												
Sol. Salts	0-6" 0.56 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24" 0.71 mmho/cm					0-6" 7.9		42.9 meq	% Ca (65-75)	% Mg (15-20)	% K (1-7)	% Na (0-5)	% H (0-5)
						6-24" 8.4			62.4	33.3	3.4	0.9	0.0

General Comments: Texture is not estimated on high pH soils.

Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 36 K2O = 18 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

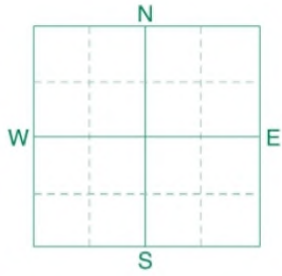
Crop 2: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 3: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



SOIL TEST REPORT

FIELD ID **APLUS 004**
 SAMPLE ID **Field 13.**
 FIELD NAME
 COUNTY
 TWP **5** RANGE **1W**
 SECTION **2** QTR **W** ACRES **290**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
A PLUS PRODUCERS
MORRIS,

SUBMITTED BY: **RO1610**
ROSENORT AGRO LTD
62 PROVINCIAL RD 205
BOX 184
ROSENORT, MB **ROG 1WO**

REF # **2656652** BOX # **1480**
 LAB # **NW72425**

Date Sampled _____ Date Received **09/19/2019** Date Reported **9/20/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6"					Wheat-Spring		Wheat-Spring		Wheat-Spring			
	6-24"					YIELD GOAL		YIELD GOAL		YIELD GOAL			
		10 lb/ac				70 BU		80 BU		90 BU			
	0-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
		28 lb/ac				Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	18 ppm				N	161	N	188	N	215		
Potassium		574 ppm				P ₂ O ₅	44 Band *	P ₂ O ₅	50 Band *	P ₂ O ₅	56 Band *		
Chloride	0-24"	280 lb/ac				K ₂ O	10 Band (Starter)*	K ₂ O	10 Band (Starter)*	K ₂ O	10 Band (Starter)*		
Sulfur	0-6"	38 lb/ac				Cl	0	Cl	0	Cl	0		
	6-24"	276 lb/ac				S	0	S	0	S	0		
Boron		1.2 ppm				B	0	B	0	B	0		
Zinc		4.65 ppm				Zn	0	Zn	0	Zn	0		
Iron		23.7 ppm				Fe	0	Fe	0	Fe	0		
Manganese		1.9 ppm				Mn	0	Mn	0	Mn	0		
Copper		2.53 ppm				Cu	0	Cu	0	Cu	0		
Magnesium		1627 ppm				Mg	0	Mg	0	Mg	0		
Calcium		5844 ppm				Lime		Lime		Lime			
Sodium		71 ppm											
Org.Matter		4.8 %											
Carbonate(CCE)		3.9 %											
	0-6"	0.71 mmho/cm				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24"	0.92 mmho/cm				0-6" 8.0		44.6 meq	% Ca	% Mg	% K	% Na	% H
Soil_Salts						6-24" 8.3			(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
									65.6	30.4	3.3	0.7	0.0

General Comments: Texture is not estimated on high pH soils.

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 44 K2O = 26 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 50 K2O = 30 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 56 K2O = 34 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.