

Benson: (320) 843-4109

#### SOIL TEST REPORT

FIELD ID APLUS 014
SAMPLE ID Field 1.

FIELD NAME COUNTY

TWP 5 RANGE 1W
SECTION 20 QTRW ACRES 307

PREV. CROP Wheat-Spring

SUBMITTED FOR:

A PLUS PRODUCERS

SUBMITTED BY: RO1610 ROSENORT AGRO LTD

62 PROVINCIAL RD 205

BOX 184

ROSENORT, MB ROG 1WO

N W

REF # 2656587 BOX #

LAB # **NW57667** 

Date Sampled

MORRIS,

Date Received 09/05/2019

Date Reported 9/9/2019

Nutrient In	The Soil	In	terpi	retatio	on	15	t Cro	p Choice		2n	d Cro	p Choice		3	rd Cro	p Cho	ice
		VLow	Low	Med	High		Soyl	beans			Soyb	eans			Soy	beans	
0-6" 6-24"	16 lb/ac 15 lb/ac						YIELD	GOAL			YIELD	GOAL			YIELI	GOAL	
		*****					35	BU			45	BU			55	BU	
0-24"	31 lb/ac					SUGO	GESTED	GUIDELIN	ES	SUGO	GESTED	GUIDELINE	S	SUG	GESTE	GUIDEL	INES
Nitrate							Band	/Maint.			Band/	Maint.			Band	/Maint.	
Olsen	6 ppm	*****				LB/A	CRE	APPLICAT	ION	LB/A	CRE	APPLICAT	ION	LB/	ACRE	APPLIC	CATION
Phosphorus	о ррш	******	****			N	***			N	***			N	***		
Potassium	564 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	31	Band <sup>3</sup>		P2O5	40	Band *		P2O5	48	Ban	d *
0-24"	288 lb/ac	*****	*****	*****	*****	K <sub>2</sub> O	0			K <sub>2</sub> O	0			K20	0		
0-6"	24 lb/ac	*****	*****	****		CI	0			CI	0			CI	0		
6-24" Sulfur	360 +lb/ac	*****	*****	*****	*****	s	5	Band (Tr	ial)	S	5	Band (Tri	al)	S	5	Band (	Trial)
Boron	1.7 ppm	*****	*****	*****	*****	В	0			В	0			В	0		
Zinc	0.78 ppm	*****	*****	***		Zn	0			Zn	1	Band		Zn	1	Ba	nd
Iron	19.8 ppm	*****	*****	*****	*****	Fe	0			Fe	0			Fe	0		
Manganese Copper	1.2 ppm		*****			Mn	0			Mn	0			Mn	0		
Magnesium	1.9 ppm 1865 ppm			*****		Cu	0			Cu	0			Cu	0		
Calcium	6270 ppm			*****		Mg	0			Mg	0			Mg	0		
Sodium	144 ppm			*****		Lime				Lime				Lime			
Org.Matter	5.1 %	*****	*****	*****					C-4	ion Excl		% Bas	e Sa	turatio	on (Tyr	ical Rar	nge)
Carbonate(CCE)	4.1 %	*****	*****	****		Soil	Н В	uffer pH		Capacit	-	% Ca		Mg	% K	% Na	% H
0-6" 6-24" Soi. Saits	0.59 mmho/cm 1.57 mmho/cm		*****	**		0-6" <b>8</b> 6-24" <b>8</b>				49.0 me	q	(65-75) <b>64.0</b>		-20) <b>1.7</b>	(1-7) <b>3.0</b>	(0·5) <b>1.3</b>	(0·5) <b>0.0</b>

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: P205 = 26 K20 = 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 KZO = 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.

Cop 3: \* Caution: Seed Placed Fettilizer 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 fron chloroxis on soybeans on this field is high based on the salt and carbonate levelopment of fron chloroxis on soybeans on this field is high based on the salt and carbonate levelopment of the carbonate levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 by/ac with a limited soybean history.



Benson: (320) 843-4109

#### SOIL TEST REPORT

FIELD ID APLUS 014 Field 2. SAMPLE ID

FIELD NAME COUNTY

TWP RANGE 1W SECTION 20 QTR SE ACRES 160

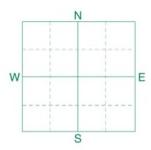
PREV. CROP Wheat-Spring

SUBMITTED FOR:

SUBMITTED BY: RO1610 A PLUS PRODUCERS ROSENORT AGRO LTD

**62 PROVINCIAL RD 205 BOX 184** 

ROSENORT, MB ROG 1WO



REF # 2656588 BOX #

NW57668 LAB #

MORRIS,

Date Sampled

Date Received 09/05/2019

Date Reported 9/9/2019

5939

Nutrient In	The Soil	In	iterp	retatio	on	15	t Cro	p Choice	e	2n	d Cro	p Choice	:	3	d Cro	p Cho	ice
		VLow	Low	Med	High		Soy	beans			Soyb	eans			Soy	beans	
0-6" 6-24"	17 lb/ac 27 lb/ac						YIEL	D GOAL			YIELD	GOAL			YIELI	GOAL	
	2, 10, 20	*****	***				35	BU			45	BU			55	BU	
0-24"	44 lb/ac					SUG	GESTE	GUIDELIN	IES	SUGO	GESTED	GUIDELINE	s	SUG	GESTE	GUIDE	LINES
Nitrate							Band	I/Maint.			Band/	Maint.			Band	/Maint.	
Olsen	8 ppm		*****			LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	ION	LB/	ACRE	APPLIC	CATION
Phosphorus	6 ррш	*****	*****			N	***			N	***			N	***		
Potassium	533 ppm	*****	*****	*****		P <sub>2</sub> O <sub>5</sub>	28	Band	*	P <sub>2</sub> O <sub>5</sub>	36	Band *		P <sub>2</sub> O <sub>5</sub>	44	Ban	d *
0-24"	592 lb/ac	*****	*****	******	*****	K <sub>2</sub> O	0			K <sub>2</sub> O	0			K <sub>2</sub> O	0		
0-6"	34 lb/ac		*****	*****		CI	0			CI	0			CI	0		
6-24" Sulfur	360 +lb/ac	*****	*****	******	*****	S	0			S	0			S	0		
Boron	1.4 ppm	*****	*****	*****	***	В	0			В	0			В	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		$\dashv$	Mn	0		
Copper	2.18 ppm	*****	*****	******	12	Cu	0			Cu	0		-	Cu	0		
Magnesium	1769 ppm	*****	*****	******	*****				_		-		-		-		
Calcium	5690 ppm	*****	*****	******	*****	Mg	0			Mg	0		_	Mg	0		
Sodium	133 ppm	*****	*****	******	**	Lime				Lime				Lime			
Org.Matter	5.3 %	*****	*****	******	***	Soil	н в	Suffer pH		on Excl	-	% Bas	e Sa	turatio	n (Typ	ical Rai	nge)
Carbonate(CCE)	2.7 %	*****	*****			50.1		m.rer pit		Capacit	ty	% Ca	%	Mg	% K	% Na	% H
0-6" 6-24" Sol. Salts	0.51 mmho/cm 1.3 mmho/cm		*****	******	***	0-6" <b>8</b>				45.1 me	p	(65-75) <b>63.0</b>		-20) <b>2.7</b>	(1-7) <b>3.0</b>	(0-5) <b>1.3</b>	(0-5) <b>0.0</b>

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: P205 = 34 K20 = 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.



Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID APLUS 009
SAMPLE ID Field 3.

FIELD NAME COUNTY

TWP 5 RANGE 1W
SECTION 17 QTRW ACRES 300

PREV. CROP Wheat-Spring

SUBMITTED FOR:

A PLUS PRODUCERS

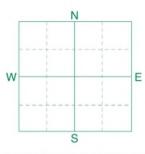
MORRIS,

SUBMITTED BY: RO1610
ROSENORT AGRO LTD
62 PROVINCIAL RD 205

BOX 184

ROSENORT, MB

ROG 1WO



REF # 2656573 BOX #

LAB # NW57666

Date Sampled Date Received 09/05/2019

Date Reported 9/9/2019

Nutrient In	The Soil	In	terp	retati	ion	15	t Cro	p Choice		2n	d Cro	p Choice		3	rd Cro	p Cho	ice
		VLow	Low	Med	High		Soyl	beans			Soyt	eans			Soy	beans	
0-6" 6-24"	18 lb/ac 15 lb/ac						YIELD	GOAL			YIELD	GOAL			YIEL	D GOAL	
		*****					35	BU			45	BU			55	BU	
0-24''	33 lb/ac					SUG	GESTED	GUIDELIN	ES	SUGO	GESTED	GUIDELINE	S	SUG	GESTE	GUIDE	INES
Nitrate							Band	/Maint.			Band/	Maint.			Band	d/Maint.	
Olsen	31 ppm	*****				LB/A	CRE	APPLICAT	ION	LB/A	CRE	APPLICAT	ION	LB/	ACRE	APPLIC	CATION
Phosphorus	92 pp					N	***			N	***			N	***		
Potassium	611 ppm	*****	*****	*****	******	P <sub>2</sub> O <sub>5</sub>	26	Band <sup>3</sup>		P <sub>2</sub> O <sub>5</sub>	34	Band *		P <sub>2</sub> O <sub>5</sub>	41	Ban	d *
0-24" Chloride	520 lb/ac	*****	*****	*****	*****	K <sub>2</sub> O	0			K <sub>2</sub> O	0			K <sub>2</sub> O	0		
0-6"	48 lb/ac	*****	****	*****		CI	0			CI	0			CI	0		
6-24" Sulfur	90 lb/ac	*****	*****	*****	*****	S	0			S	0			S	0		
Boron	1.4 ppm	*****	*****	*****	***	В	0			В	0			В	0		
Zinc	2.03 ppm	*****	*****	******		Zn	0			Zn	0			Zn	0		
Iron	25.6 ppm	*****	*****	*****	*****	Fe	0			Fe	0			Fe	0		
Manganese	2.1 ppm	1		*****		Mn	0			Mn	0			Mn	0		
Magnesium	2.08 ppm 1543 ppm			*****		Cu	0			Cu	0			Cu	0		
Calcium	5981 ppm			*****		Mg	0			Mg	0		$\neg$	Mg	0		
Sodium	100 ppm	*****				Lime				Lime				Lime			
Org.Matter	6.4 %	*****	*****	*****	*****				Cak	ion Excl	annac	% Rac	e Sa	turatio	n (Tyr	oical Ran	nae)
Carbonate(CCE)	2.3 %	*****	****			Soil	он в	uffer pH		Capacit	-	% Ca		Mg	% K	% Na	% н
0-6" 6-24" Sol. Salts	0.39 mmho/cm 0.5 mmho/cm	*****				0-6" 7 6-24" <b>8</b>				44.8 me	q	(65-75) <b>66.8</b>		-20) <b>8.7</b>	(1-7) <b>3.5</b>	(0-5) <b>1.0</b>	(0-5) <b>0.0</b>

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 low based on the salt and carbonate levels. Crop Removal: P205 = 26 K20 = 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 low based on the salt and carbonate levels. Crop Removal: P205 = 34 K20 = 53 ACVIES 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 b/ze critical to the 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. The risk of the development of iron chlorosis on soybeans on this field is low based on the salt and carbonate levels. Crop Removal: P205 = 41 K20 = 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 (http://www.agvise.com) Northwood: (701) 587-6010 Benson: (320) 843-4109

# **SOIL TEST REPORT**

FIELD ID 9SE SAMPLE ID Field 4.

FIELD NAME

COUNTY 1W

TWP 5 RANGE

SECTION 17 QTRSE ACRES 160

PREV. CROP Soybeans

### SUBMITTED FOR:

A+ PRODUCERS

SUBMITTED BY: FI6625

FIELD 2 FIELD AGRONOMY

JASON VOOGT BOX 1931

CARMAN, MB ROG 0J0

W \_\_\_\_\_E

REF # 18675023 BOX # 2999

LAB # NW170601

Date Sampled 10/14/2020

Date Received 10/15/2020

Date Reported 10/20/2020

Nutrient Ir	n The Soil	Inte	erpretatio	on	1s	t Cro	p Choice	e	2n	d Cro	p Choice		3	rd Cro	p Cho	ice
0-6" 6-24"	13 lb/acre 12 lb/acre	VLow L	.ow Med	High		YIELD	GOAL			YIELD	GOAL			YIEL	D GOAL	
0-24''	25 lb/acre	per per per per per per per	cope ape		SUGG	ESTED	GUIDELIN	IES	SUGG	ESTED	GUIDELINE	S	SUG	GESTE	D GUIDEI	INES
Nitrate	·				LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT:	ION	LB/	'ACRE	APPLI(	CATION
Olsen	21 ppm	*****	*******	*****	N P <sub>2</sub> O <sub>5</sub>				N P <sub>2</sub> O <sub>5</sub>				N P <sub>2</sub> O <sub>5</sub>			
Phosphorus Potassium	581 ppm	*****	****	*****	K <sub>2</sub> O				K <sub>2</sub> O				K <sub>2</sub> O			
<b>0-24''</b> Chloride	244 lb/acre	*****	*******	*****	СІ				CI				CI			
<b>0-6"</b> <b>6-24"</b> Sulfur	16 lb/acre 132 lb/acre			*****	S				S				S			
Boron	1.2 ppm	*****	****		B Zn				B Zn				B ——— Zn	$\vdash$		
Zinc	1.79 ppm 17.2 ppm				Fe				Fe				Fe			
Manganese Copper	2.1 ppm 1.93 ppm		****************		Mn				Mn				Mn			
M agnesium	1.93 ppm 1603 ppm		****		Cu				Cu				Cu			
Calcium	5620 ppm		********	*****	Mg				Mg			_	Mg			
Sodium Org.Matter	62 ppm 6.1 %		****	*****	Lime			0.1	Lim e		0/o R ac	e S.	Lime	on (Tvi	oical Rar	nge)
Carbonate(CCE)	1.6 %	*****			Soil p	Н В	uffer pH		on Exch Capacit	_	% Ca	_	Mq	лг (Ту) % К	% Na	% H
0-6" 6-24" Sol. Salts	0.47 mmho/cm 0.68 mmho/cm	*****			0-6" <b>7</b> 6-24" <b>8</b>				43.2 m∈	-	(65-75) <b>65.0</b>	(15-	-20) <b>D.9</b>	(1-7) <b>3.4</b>	(0-5) <b>0.6</b>	(0-5) <b>0.0</b>

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



Benson: (320) 843-4109

#### SOIL TEST REPORT

FIELD ID APLUS 017 Field 5. SAMPLE ID

FIELD NAME COUNTY

TWP 5 RANGE 1W QTR S1/2 OF SW ACRES 40 SECTION 16

PREV. CROP Wheat-Spring

SUBMITTED FOR: A PLUS PRODUCERS

SUBMITTED BY: RO1610 ROSENORT AGRO LTD

**62 PROVINCIAL RD 205** 

**BOX 184** 

ROSENORT, MB ROG 1WO S

REF # 2705755 BOX # NW122348

LAB #

Date Sampled

MORRIS,

Date Received 11/01/2019

Date Reported 11/5/2019

5661

Nutrient Ir	The Soil	In	terp	retati	on	15	t Cro	p Choice	е	2n	d Cro	p Choice		31	d Cro	p Cho	ice
		VLow	Low	Med	High		Soy	beans			Soyt	peans			Soy	beans	
0-6" 6-24"	13 lb/ac 33 lb/ac						YIELI	GOAL			YIELD	GOAL			YIELD	GOAL	
	55 15, 65	*****	***				35	BU			45	BU			55	BU	
0-24"	46 lb/ac					SUGO	SESTE	GUIDELIN	IES	SUG	GESTED	GUIDELINE	S	SUG	GESTER	GUIDE	INES
Nitrate							Band	/Maint.			Band/	Maint.			Band	/Maint.	
Olsen	*					LB/A	CRE	APPLICA	TION	LB/A	ACRE	APPLICAT	ION	LB/	ACRE	APPLIC	CATION
Phosphorus	7 ppm	*****	*****			N	***			N	***			N	***		
Potassium	487 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	29	Band	*	P <sub>2</sub> O <sub>5</sub>	38	Band *		P2O5	46	Ban	d *
0-24" Chloride	52 lb/ac	*****		*****	***	K20	0			K20	0			K20	0		
0-6"	28 lb/ac					CI	0			CI	0			CI	0		
6-24" Sulfur	90 lb/ac	*****	*****	*****	*****	S	5	Band (Tr	ial)	S	5	Band (Tri	al)	s	5	Band (	Trial)
Boron	1.2 ppm	*****	*****	*****		В	0			В	0			В	0		
Zínc	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		
Calcium	1511 ppm 5232 ppm			******		Mg	0			Mg	0		T	Mg	0		
Sodium	52 52 ppm	*****				Lime				Lime			$\dashv$	Lime			
Org,Matter	5.5 %			*****	****							0/s Rad			n (Tun	ical Rar	200)
Carbonate(CCE)	1.2 %	*****				Soil p	Н В	uffer pH		Capaci		% Ca		Mg	% K	% Na	% H
0-6" 6-24" Sol. Salts	0.52 mmho/cm 0.59 mmho/cm		*****			0-6" <b>7</b>				40.2 me	q	(65 <b>-</b> 75) <b>65.0</b>	(15		(1·7) <b>3.1</b>	(0-5) <b>0.6</b>	(0-5) <b>0.0</b>

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: P205 = 26 K20 = 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: P205 = 34 K20 = 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 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.



Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID APLUS 017 SAMPLE ID Field 6.

FIELD NAME COUNTY

TWP RANGE 1W QTR S1/2 ACRES 80 SECTION

16 PREV. CROP Wheat-Spring

SUBMITTED FOR: A PLUS PRODUCERS

SUBMITTED BY: RO1610

ROSENORT AGRO LTD **62 PROVINCIAL RD 205** 

**BOX 184** 

ROSENORT, MB ROG 1WO W S

REF # 2656594 BOX # 5927 LAB # NW57669

Date Sampled

MORRIS,

Date Received 09/05/2019

Date Reported 9/9/2019

Nutrient In	The Soil	In	iterp	retati	ion	15	t Cro	p Choic	е	2n	d Cro	p Choice		31	d Cro	p Cho	ice
		VLow	Low	Med	High		Soy	beans			Soyt	peans			Soy	beans	
0-6" 6-24"	10 lb/ac 6 lb/ac						YIEL	D GOAL			YIELD	GOAL			YIELI	GOAL	
	0 10, 00	***					35	BU			45	BU			55	BU	
0-24"	16 lb/ac					SUGO	GESTE	D GUIDELIN	IES	SUGO	GESTED	GUIDELINE	s	SUG	GESTE	GUIDE	INES
Nitrate							Band	d/Maint.			Band/	Maint.			Band	/Maint.	
Olsen	20					LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	ION	LB/	ACRE	APPLIC	CATION
Phosphorus	29 ppm	*****	******	******		N	***			N	***			N	***		
Potassium	585 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	26	Band	*	P <sub>2</sub> O <sub>5</sub>	34	Band *		P2O5	41	Ban	d *
0-24"	256 lb/ac	*****		*****		K <sub>2</sub> O	0			K <sub>2</sub> O	0			K <sub>2</sub> O	0		
0-6"	10 lb/ac	*****	***			CI	0			CI	0			CI	0		
6-24" Sulfur	132 lb/ac	*****	*****	*****	******	S	7	Band (Ti	ial)	S	7	Band (Tri	al)	S	7	Band (	(Trial)
Boron	1.5 ppm	*****	*****	****	****	В	0			В	0			В	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		$\neg$	Mn	0		
Copper	1.97 ppm			*****		Cu	0			Cu	0		$\neg$	Си	0		
Calcium	1678 ppm 6300 ppm			*****	1	Mg	0			Mg	0		_	Mg	0		
Sodium	69 ppm	*****				Lime				Lime			$\dashv$	Lime		1	
Org.Matter	5.9 %				*****	Cities						0/ P			- /		
Carbonate(CCE)	2.8 %		*****			Soil	Н Е	Buffer pH	Cat	ion Excl	-	% Ca			n (Typ	ical Rai	nge) % H
0-6" 6-24" Sol. Salts	0.49 mmho/cm 0.76 mmho/cm	-	*****	******		0-6" <b>8</b>				47.3 me		(65-75) <b>66.6</b>	(15		(1-7) <b>3.2</b>	(0-5) <b>0.6</b>	(0-5) <b>0.0</b>

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

General Comments: lexture is not estimated on high prisons.

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 chiprosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P205 = 26 K20 = 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 sak 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: P205 = 41 K20 = 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.



Benson: (320) 843-4109 SUBMITTED FOR:

### **SOIL TEST REPORT**

FIELD ID APLUS 026 SAMPLE ID Field 7.

FIELD NAME COUNTY

TWP 5 RANGE 1W

SECTION 8 QTRNW ACRES 160

PREV. CROP Soybeans

SUBMITTED BY: RO1610

ROSENORT AGRO LTD

62 PROVINCIAL RD 205

**BOX 184** 

ROSENORT, MB ROG 1WO

W \_\_\_\_\_E

REF # 2385302 BOX # 3270

LAB # NW159188

Date Sampled

MORRIS,

A PLUS PRODUCERS

Date Received 10/27/2018

Date Reported 10/31/2018

Nutrient I	n The Soil	In	terpi	retation		1s	t Cro	p Choic	e	2n	d Cro	p Choice		31	d Cro	p Cho	ice
		VLow	Low	Med Hig	gh		Corn	-Grain			Corn-	-Grain			Cor	n-Grain	
0-6" 6-24"	26 lb/ac 27 lb/ac						YIELD	) GOAL			YIELD	GOAL			YIEL	D GOAL	
0-24	27 lb/ac	ok ok ok ok ok ok	****				150	BU			160	BU			170	BU	
0-24"	53 lb/ac					SUGG	ESTED	GUIDELIN	IES	SUGG	ESTED	GUIDELINE	s	SUG	GESTE	D GUIDEI	LINES
Nitrate							Band	/Maint.			Band/	'Maint.			Ban	d/Maint.	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT:	ION	LB/	ACRE	APPLI	CATION
Olsen Phosphorus	13 ppm	*****	*****	******		N	97			N	109			N	121		
Potassium	529 ppm	*****	*****	******	***	P <sub>2</sub> O <sub>5</sub>	60	Band	*	P <sub>2</sub> O <sub>5</sub>	64	Band *		P <sub>2</sub> O <sub>5</sub>	68	Ban	nd *
<b>0-24''</b> Chloride	1076 lb/ac		*****	******	***	K 20	10	Band (2:	к2) *	K 2O	10	Band (2x2	2) *	K 2O	10	Band	(2x2) *
0-6" 6-24" Sulfur	120 +lb/ac 360 +lb/ac					СІ		Not Availat		СI		Not Availabl	e	сі		Not Av	ailable/
Boron	1.6 nnm	***	***	******	***	S	0			S	0			S	0		
Zinc						В	0			В	0			В	0		
Iron	27.2 ppm			******	***	Zn	2	Band	]	Zn	3	Band		Zn	3	Ba	nd
Manganese	2.6 ppm			******		Fe	0			Fe	0			Fe	0		
Copper	1.85 ppm	****	ale ale ale ale ale al	kakakakakak		Mn	0			Mn	0			Mn	0		
M agnesium	1577 ppm	*****	*****	******	***	Cu	0			Cu	0			Cu	0		
Calcium	5779 ppm	*****	*****	******	***	Mg	0			Mg	0			Mg	0		
Sodium	94 ppm	*****	*****	***		Lime				Lim e				Lime			
Org.Matter	6.5 %	*****	*****	******	***				Cati	ion Exch	nande	% Bas	e Sa	turatio	n (Tvi	oical Rai	nge)
Carbonate(CCE)	2.4 %	*****	*****	*		Soil p	Н В	uffer pH		Capacit	_	% Ca	_	Mg	% K	% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	0.81 mmho/cm 1.2 mmho/cm			******* ******		0-6" <b>7</b> 6-24" <b>8</b>				43.8 me	q	(65-75) <b>66.0</b>		-20) <b>D.O</b>	(1-7) <b>3.1</b>	(0-5) <b>0.9</b>	(0-5)

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.



Benson: (320) 843-4109 SUBMITTED FOR: FIELD ID APLUS 026 SAMPLE ID Field 8.

FIELD NAME COUNTY

TWP 5

RANGE 1W

SECTION 8 OTRNE ACRES 160

**SOIL TEST REPORT** 

PREV. CROP Soybeans

SUBMITTED BY: RO1610

ROSENORT AGRO LTD

62 PROVINCIAL RD 205

**BOX 184** 

ROSENORT, MB ROG 1WO

W \_\_\_\_\_E

REF # 2385297 BOX # 3274

LAB # **NW159452** 

Date Sampled

MORRIS,

A PLUS PRODUCERS

Date Received 10/29/2018

Date Reported 10/31/2018

Nutrient I	n The Soil	In	terp	retatio	on	1s	t Cro	p Choic	e	2n	d Cro	p Choice		3	rd Cro	p Cho	ice
		VLow	Low	Med	High		Corn	-Grain			Corn-	-Grain			Cori	n-Grain	
0-6" 6-24"	25 lb/ac						YIELD	GOAL			YIELD	GOAL			YIEL	D GOAL	
0-24	36 lb/ac	acacacacaca	ale ale ale ale ale a	*:			150	BU			160	BU			170	ВU	
0-24''	61 lb/ac					SUGO	ESTED	GUIDELIN	IES	SUGG	ESTED	GUIDELINE	:S	SUG	GESTE	O GUIDEI	LINES
N itrate							B and	/Maint.			Band/	'Maint.			Band	d/Maint.	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT:	ION	LB/	ACRE	APPLI	CATION
Olsen Phosphorus	13 ppm	*****	*****	******	**	N	89			N	101			N	113		
Potassium	583 ppm	****	ak ak ak ak ak ak	*****	*****	P <sub>2</sub> O <sub>5</sub>	60	Band	*	P <sub>2</sub> O <sub>5</sub>	64	Band *		P <sub>2</sub> O <sub>5</sub>	68	Ban	ıd *
0-24" Chloride	1780 lb/ac				****	K 20	10	Band (2:	к2) *	K 2O	10	Band (2x2	2) *	K 2O	10	Band	(2×2) *
0-6" 6-24"	102 lb/ac 360 +lb/ac					CI		Not Availat		СI		Not Availabl	e	CI		Not Av	ailable
Sulfur Boron	1.5 ppm				ale ale ale ale	S	0			S	0			S	0		
Zinc	0.49 ppm			******	****	В	0			В	0			В	0		
Iron	26.3 ppm			******	*****	Zn	2	Band	ı	Zn	3	Band		Zn	3	Ba	nd
M anganese	2.6 ppm			******		Fe	0			Fe	0			Fe	0		
Copper	1.83 ppm	****	acacacacac	******	ж	Mn	0			Mn	0			Mn	0		
M agnesium	1609 ppm	*****	*****	******	*****	Cu	0			Cu	0			Cu	0		
Calcium	5301 ppm	*****	*****	******	*****	Mg	0			Mg	0			Mg	0		
Sodium	118 ppm	*****	*****	******		Lime				Lim e				Lime		<del>                                     </del>	
Org.Matter	7.2 %	*****	*****	******	*****				Cari	ion Exch	2000	% Bas	e Sa	turatio	n (Tvi	oical Rai	nge)
Carbonate(CCE)	1.4 %	*****	*			Soil p	Н В	uffer pH		Capacit	_	% Ca		Mg	% K	% Na	% H
0-6" 6-24" Sol. Salts	0.86 mmho/cm 2.6 mmho/cm			******	*****	0-6" <b>7</b> 6-24" <b>7</b>				41.9 me	q	(65-75) <b>63.2</b>	(15-	-20) <b>2.0</b>	(1-7) <b>3.6</b>	(0-5) <b>1.2</b>	(0-5)

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.



orthwood: (701) 587-6010 <del>Benson: (320) 843-4109</del>

SUBMITTED FOR:

A PLUS PRODUCERS

MORRIS,

Date Sampled

### **SOIL TEST REPORT**

FIELD ID APLUS 026 SAMPLE ID Field 9.

FIELD NAME

COUNTY

TWP 5 RANGE 1W
SECTION 8 OTRSW ACRES 160

PREV. CROP Soybeans

\_\_\_\_J

SUBMITTED BY: RO1610
ROSENORTAGROLTD

62 PROVINCIAL RD 205

BOX 184

ROSENORT, MB ROG 1WO

W \_\_\_\_\_\_E

REF # 2385299 BOX # 358 \_AB # NW107279

Date Received 10/03/2018 Date Reported 10/4/2018

Nutrient In	The Soil	In	terpi	retati	ion	<b>1</b> s	t Cro	p Choic	e	2n	d Cro	p Choice		31	d Cro	p Cho	ice
		VLow	Low	Med	High		Corn	ı-Grain			Corn-	-Grain			Cori	n-Grain	
0-6" 6-24"	15 lb/ac 9 lb/ac						YIELD	GOAL			YIELD	GOAL			YIEL	GOAL	
0-24	9 10/ ac	****					150	ВU			160	ВU			170	ВU	
0-24"	24 lb/ac					SUG	SESTED	) GUIDELIM	NES	SUGO	GESTED	GUIDELINE	S	SUG	GESTEI	GUIDE	LINES
Nitrate							Band	/Maint.			Band/	'Maint.			Band	l/Maint.	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT:	ION	LB/	ACRE	APPLI	CATION
Olsen Phosphorus	10 ppm	*****	*****	***		N	126			N	138			N	150		
P otas sium	491 ppm	*****	*****	*****	c operate operate operate	P <sub>2</sub> O <sub>5</sub>	60	Band	*	P <sub>2</sub> O <sub>5</sub>	64	Band *		P205	68	Ban	nd *
<b>0-24''</b> Chloride	844 lb/ac	*****	*****	*****	*****	K 2O	10	Band (2:	×2) *	K 2O	10	Band (2x	2) *	K 20	10	Band	(2×2)*
0-6" 6-24" Sultur	54 lb/ac 318 lb/ac					CI		Not Availat		СІ		Not Availabl	e	СІ		Not Av	vailable
Boron	1.3 ppm	*****	*****	*****	× *	S	0			S	0			S	0		
Zinc	0.42 ppm					В	0			В	0			В	0		
Iron	18.7 ppm	****	*****	****	*****	Zn	2	Band	I	Zn	3	Band		Zn	3	Ba	nd
Manganese	1.4 ppm	*****	*****	*		Fe	0			Fe	0			Fe	0		
Copper	1.98 ppm	*****	*****	******	c operate	Mn	0			Mn	0			Mn	0		
Magnesium	1821 ppm	*****	*****	*****	******	Cu	0			Cu	0			Cu	0		
Calcium	5661 ppm	*****	*****	*****	******	Mg	0			Mg	0			Mg	0		
Sodium	114 ppm	*****	*****	****		Lime				Lime				Lime			
Org.Matter	5.7 %	*****	*****	*****	*****				Cati	ion Excl	nange	% Bas	e Sa	turatio	n (Typ	ical Rai	nge)
Carbonate(CCE)	2.4 %	*****	*****			Soil p	НВ	utter pH		Capacit	_	% Ca	%	Mg	% K	% Na	% H
0-6" 6-24" Sol. Salts	0.75 mmho/cm 1.21 mmho/cm					0-6" <b>7</b> 6-24" <b>8</b>				45.2 me	eq	(65-75) <b>62.6</b>		-20) <b>3.5</b>	(1-7) <b>2.8</b>	(0-5) 1.1	(0-5)

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 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 \* 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.



Benson: (320) 843-4109

# SOIL TEST REPORT

FIELD ID APLUS 026 Field 10. SAMPLE ID

FIELD NAME

COUNTY

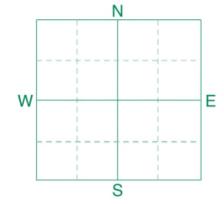
**BOX 184** 

ROSENORT, MB

5 TWP RANGE 1W ACRES 160 SECTION 8 QTR SE

PREV. CROP Soybeans

ROSENORT AGRO LTD 62 PROVINCIAL RD 205



REF # 2385298 BOX # 358

\_AB# NW107280

## SUBMITTED FOR:

A PLUS PRODUCERS

Date Sampled

MORRIS,

Date Received 10/03/2018

ROG 1WO

SUBMITTED BY: RO1610

Date Reported 10/4/2018

Nutrient I	า The Soil	In	terp	retatio	n	1s	t Cro	p Choice	e	2n	d Cro	p Choice	ı	31	d Cro	p Cho	ice
		VLow	Low	Med H	High		Corn	-Grain			Corn-	Grain			Corn	-Grain	
0-6"	12 lb/ac 6 lb/ac						YIELD	GOAL			YIELD	GOAL			YIELD	) GOAL	
6-24"	6 107 40	****					150	ВU			160	ВU			170	ВU	
0-24"	18 lb/ac					SUGG	ESTED	GUIDELIN	IES	SUG	GESTED	GUIDELINE	S	SUG	GESTEC	GUIDE	LINES
Nitrate							Band,	/Maint.			B and/	Maint.			Band	/Maint.	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT.	ION	LB/	ACRE	APPLIC	CATION
Olsen Phosphorus	10 ppm	*****	*****	****		N	132			N	144			N	156		
Potassium	460 ppm	*****	*****	******	****	P <sub>2</sub> O <sub>5</sub>	60	Band	*	P <sub>2</sub> O <sub>5</sub>	64	Band *		P <sub>2</sub> O <sub>5</sub>	68	Ban	d *
<b>0-24''</b> Chloride	508 lb/ac	*****	*****	******	****	K <sub>2</sub> O	10	Band (2)	(2) *	K 2O	10	Band (2x:	2) *	K 20	10	Band (	(2×2) *
0-6" 6-24"	24 lb/ac 102 lb/ac			*****	****	СІ		Not Availab		CI		Not Availabl	e	СІ		Not Av	vailable
Boron	1.2 ppm	*****	*****	*****		S	0			S	0			s	0		
Zinc	0.44 ppm	*****	***			В	0			В	0			В	0		
Iron	21.4 ppm	*****	*****	******	*****	Zn	2	Band		Zn	3	Band		Zn	3	Ba	nd
M anganes e	1.5 ppm	*****	*****	****		Fe	0			Fe	0			Fe	0		
Copper	2.0 ppm	*****	****	********	*	Mn	0			Mn	0			Mn	0		
Magnesium	1472 ppm	*****	*****	******	*****	Cu	0			Cu	0			Cu	0		
Calcium	5543 ppm	*****	*****	******	*****	Mg	0			Mg	0			Mg	0		
Sodium	57 ppm	*****	**			Lim e				Lime			[	Lime			
Org.Matter	6.0 %	*****	*****	******	*****	0 :1			Cati	ion Excl	nange	% Bas	e Sa	turatio	n (Typ	ical Rar	nge)
Carbonate(CCE)	1.6 %	*****	**			Soil p	Н Ві	utter pH		Capacit	_	% Ca	%	Mg	% K	% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	0.63 mmho/cm 0.78 mmho/cm			****		0-6" <b>7</b> 6-24" <b>8</b>				41.4 me	eq	(65-75) <b>66.9</b>		-20) <b>9.6</b>	(1-7) <b>2.8</b>	(0-5) <b>0.6</b>	(0-5)

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.



Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID APLUS 018 Field 11. SAMPLE ID

FIELD NAME COUNTY

TWP RANGE 1W 5 SECTION 5 QTR NE ACRES 160

PREV. CROP Wheat-Spring

SUBMITTED FOR:

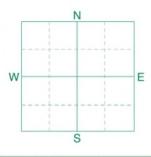
A PLUS PRODUCERS

SUBMITTED BY: RO1610 ROSENORT AGRO LTD **62 PROVINCIAL RD 205** 

BOX 184

ROSENORT, MB

ROG 1WO



REF # 2705769 BOX # NW122350

LAB #

Date Sampled

MORRIS,

Date Received 11/01/2019

Date Reported 11/5/2019

Nutrient In	The Soil	Ir	iterp	retatio	on	1s	t Cro	p Choic	e	2n	d Cro	p Choice		31	d Cro	p Cho	ice
		VLow	Low	Med	High		Can	ola-bu			Cano	la-bu			Can	ola-bu	
0-6" 6-24"	12 lb/ac 36 lb/ac						YIELD	GOAL			YIELD	GOAL			YIELI	GOAL	
0-24	30 10/ 80	****	****				40	BU			50	BU			60	BU	
0-24"	48 lb/ac					SUGO	SESTED	GUIDELIN	IES	SUGO	GESTED	GUIDELINE	s	SUG	GESTE	GUIDE	INES
Nitrate							Band	/Maint.			Band/	Maint.			Band	/Maint.	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	ION	LB/	ACRE	APPLIC	CATION
Olsen Phosphorus	19 ppm	****	*****	******	*****	N	92			N	127			N	162		
Potassium	564 ppm	*****	*****			P <sub>2</sub> O <sub>5</sub>	36	Band	*	P2O5	45	Band *		P2O5	54	Ban	d *
0-24"	12 lb/ac	*****				K <sub>2</sub> O	0			K <sub>2</sub> O	0			K <sub>2</sub> O	0		
Chloride 0-6"						CI		Not		CI		Not		CI		Not Av	ailable
6-24"	24 lb/ac 108 lb/ac		******	*****		<u> </u>		Availab	ole	<u> </u>		Availabl	е	<u> </u>			
Sulfur						S	15	Band		S	15	Band		S	15	Ва	nd
Zinc	1.4 ppm 1.52 ppm			******		В	0			В	0			В	0		
Iron	26.8 ppm					Zn	0			Zn	0			Zn	0		
Manganese	1.7 ppm					Fe	0			Fe	0			Fe	0		
Copper	2.46 ppm	*****				Mn	0			Mn	0			Mn	0		
Magnesium	1714 ppm	*****				Cu	0			Cu	0			Cu	0		
Calcium	5352 ppm	****	*****		*****	Mg	0			Mg	0			Mg	0		
Sodium	90 ppm	****	*****			Lime				Lime				Lime			
Org.Matter	6.0 %	****	*****						Cati	ion Excl	hange	% Bas	e Sa	turatio	n (Typ	ical Rar	nge)
Carbonate(CCE)	2.0 %	*****	****			Soil p	Н В	uffer pH		Capacit	-	% Ca		Mg	% K	% Na	% н
0-6" 6-24" Sol. Salts	0.56 mmho/cm 0.71 mmho/cm		******			0-6" <b>7</b> 6-24" <b>8</b>				42.9 me	eq	(65-75) <b>62.4</b>		-20) <b>3.3</b>	(1-7) <b>3.4</b>	(0-5) <b>0.9</b>	(0-5) <b>0.0</b>

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: P205 = 45 K20 = 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: P205 = 54 K20 = 27 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



Benson: (320) 843-4109

### SUBMITTED FOR:

A PLUS PRODUCERS

MORRIS,

**SOIL TEST REPORT** 

FIELD ID APLUS 018 S SAMPLE ID Field 12.

FIELD NAME COUNTY

TWP RANGE 1W SECTION 5 QTR SE ACRES 160

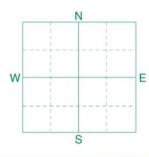
PREV. CROP Wheat-Spring

SUBMITTED BY: RO1610

ROSENORT AGRO LTD **62 PROVINCIAL RD 205** 

**BOX 184** ROSENORT, MB

ROG 1WO



REF # 2705761 BOX # 5634

LAB # NW122349

Date Sampled Date Received 11/01/2019 Date Reported 11/4/2019

Nutrient I	n The Soil	In	terp	retati	on	15	t Cro	p Choice		2n	d Cro	p Choice		31	d Cro	p Cho	ice
		VLow	Low	Med	High		Cano	ola-bu			Cano	ola-bu			Can	ola-bu	
0-6" 6-24"	7 lb/ac 18 lb/ac						YIELD	GOAL			YIELD	GOAL			YIELI	GOAL	
0.24	10 10/40	*****					40	BU			50	BU			60	BU	
0-24"	25 lb/ac					SUGO	SESTED	GUIDELIN	ES	SUGO	ESTED	GUIDELINE	s	SUG	GESTE	GUIDE	LINES
Nitrate							Band,	/Maint.			Band/	Maint.			Band	I/Maint.	
						LB/A	CRE	APPLICAT	ION	LB/A	CRE	APPLICATI	ION	LB/	ACRE	APPLIC	CATION
Olsen Phosphorus	10 ppm	*****	*****	****		N	115			N	150			N	185		
Potassium	538 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	36	Band *		P <sub>2</sub> O <sub>5</sub>	45	Band *		P <sub>2</sub> O <sub>5</sub>	54	Ban	ıd *
0-24"	28 lb/ac	*****				K₂O	0			K <sub>2</sub> O	0			K <sub>2</sub> O	0		
Chloride 0-6"	26 lb/ac	*****	*****			СІ		Not Availabl	e	CI		Not Available	e	CI		Not Av	ailable
6-24" Sulfur	102 lb/ac	*****	*****	*****	*****	s	15	Band		S	15	Band		s	15	Ba	nd
Boron	1.5 ppm	*****	*****	*****	****	В	0			В	0		_	В	0		
Zinc	0.70 ppm	*****	*****			Zn	0			Zn	1	Band	$\dashv$	Zn	1	Ba	nd
Iron	24.7 ppm	*****	*****	*****	*****	Fe	0			Fe	0		$\dashv$	Fe	0		
Manganese	1.3 ppm	*****	*****	***		Mn	0			Mn	0		$\dashv$	Mn	0		
Copper Magnesium	1.86 ppm			*****		Cu	0			Cu	0		$\dashv$	Cu	0		
Calcium	1882 ppm			******		Mg	0			Mg	0		-	Mg	0		
Sodium	6565 ppm			*****	*****								$\dashv$		3		
Org.Matter	83 ppm 5.3 %		*****	******		Lime				Lime				Lime			
Carbonate(CCE)	2.3 %	*****			-41	Soil p	н в	uffer pH		Canacit	-					oical Ran	
0-6" 6-24" Sol. Salts	0.44 mmho/cm 0.57 mmho/cm	*****	****			0-6" <b>8</b>				Capacit 50.2 me		% Ca (65-75) <b>65.3</b>	(15	-20) 1.2	% K (1-7) <b>2.7</b>	% Na (0-5) <b>0.7</b>	% H (0-5) <b>0.0</b>

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: P2OS = 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: P2OS = 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: P2OS = 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 Analysis by Agvise Laboratories (http://www.agvise.com) Northwood: (701) 587-6010 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID APLUS 004

SAMPLE ID Field 13. FIELD NAME

COUNTY

TWP RANGE 1W SECTION 2 QTRW ACRES 290

PREV. CROP Canola-bu

SUBMITTED FOR:

A PLUS PRODUCERS

SUBMITTED BY: RO1610 ROSENORT AGRO LTD

**62 PROVINCIAL RD 205** 

BOX 184

ROSENORT, MB ROG 1WO W Ε

REF # 2656652 BOX # 1480 NW72425

LAB #

Date Sampled

MORRIS,

Date Received 09/19/2019

Date Reported 9/20/2019

Nutrient In The Soil			Interpretation			1st Crop Choice			2nd Crop Choice				3rd Crop Choice				
0-6" 6-24"	10 lb/ac 18 lb/ac	VLow	Low	Med Hig	h	Wheat-Spring			Wheat-Spring			Wheat-Spring					
		*****				YIELD GOAL			YIELD GOAL				YIELD GOAL				
0-24	10 10/ 40					70 BU			80 BU				90 BU				
0-24"	28 lb/ac				SUG	GEST	ED GUIDE	LINES	SUGO	GESTED	GUIDELINE	S	SUG	GESTE	GUIDE	INES	
Nitrate						Band/Maint.				Band/Maint.				Band/Maint.			
						LB/ACRE		CATION	LB/ACRE		APPLICATION		LB/ACRE		APPLICATION		
Olsen Phosphorus	18 ppm	*****	*****	******	N	161			N	188			N	215			
Potassium	574 ppm	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	44	Bar	d *	P2O5	50	Band *		P2O5	56	Ban	d *	
0-24" Chloride	280 lb/ac	*****	*****	*****	** K <sub>2</sub> O	10	Ba (Star	ind ter)*	K <sub>2</sub> O	10	Band (Starter)		K <sub>2</sub> O	10	Ba (Star	nd ter)*	
0-6" 6-24"	38 lb/ac 276 lb/ac			*****	CI	0			CI	0			CI	0			
Sulfur	27010/40				S	0			S	0			s	0			
Boron	1.2 ppm	*****	*****	*****	В	0			В	0			В	0			
Zinc	4.65 ppm	*****	*****	*****	Zn	0			Zn	0			Zn	0			
Iron Manganese	23.7 ppm			******	Fe	0			Fe	0			Fe	0			
Copper	1.9 ppm		*****		Mn	0			Mn	0		$\neg$	Mn	0			
Magnesium	2.53 ppm 1627 ppm			******	Cu	0			Cu	0		$\neg$	Cu	0			
Calcium	5844 ppm					0			Mg	0		$\dashv$	Mg	0			
Sodium	71 ppm	*****			Lime				Lime			$\dashv$	Lime				
Org.Matter	4.8 %	******					Coat		ion Exchange		% Rase Sa		ituration (Typical Range)				
Carbonate(CCE)	3.9 %			Soil	рН	Buffer p	Н	Capacity		% Ca		Mg	% K	% Na	% H		
0-6" 6-24" Sol. Salts	0.71 mmho/cm 0.92 mmho/cm		*****	*****	0-6" 6-24"				44.6 me	(65-75) <b>65.6</b>		-20) <b>0.4</b>	(1-7) <b>3.3</b>	(0-5) <b>0.7</b>	(0·5) <b>0.0</b>		

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: P2O5 = 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 K20 = 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: P2O5 = 56 K2O = 34 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.