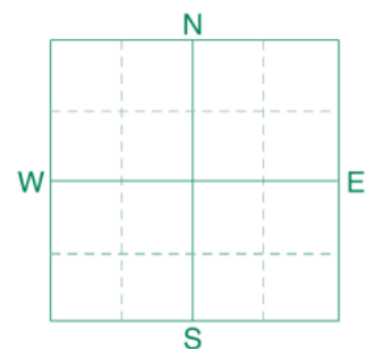




Soil Analysis by Agvise Laboratories
(http://www.agvise.com)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **GRN-64**
 SAMPLE ID
 FIELD NAME **Allen**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **25** QTR **N 1/2** ACRES **150**
 PREV. CROP **Wheat-Winter**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: **TO0533**
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2940993** BOX # **2016**
 LAB # **NW69498**

Date Sampled **09/03/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	*****				Soybeans		Wheat-Spring		Canola-bu			
						YIELD GOAL		YIELD GOAL		YIELD GOAL			
						40 BU		60 BU		50 BU			
	0-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
	Olsen	*****				N	***	N	127	N	140		
Phosphorus						P ₂ O ₅	30	Band *	P ₂ O ₅	38	Band *		
Potassium						K ₂ O	0		K ₂ O	10	Band (Starter)*		
	0-24"	*****				Cl	0		Cl	20	Broadcast		
Chloride						S	5	Band (Trial)	S	0			
	0-6" 6-24"	*****				B			B				
Sulfur						Zn			Zn				
Boron						Fe			Fe				
						Mn			Mn				
Zinc						Cu	0		Cu	0			
Iron						Mg			Mg				
Manganese						Lime			Lime				
Copper						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
	2.0 ppm	*****				Buffer pH			% Ca	% Mg	% K	% Na	% H
Magnesium													
Calcium						0-6" 8.2							
Sodium						6-24" 8.2							
Org.Matter													
Carbonate(CCE)													
	4.4 %	*****											
	0-6" 6-24"	*****											
Sol. Salts													
	0.59 mmho/cm 0.88 mmho/cm	*****											

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

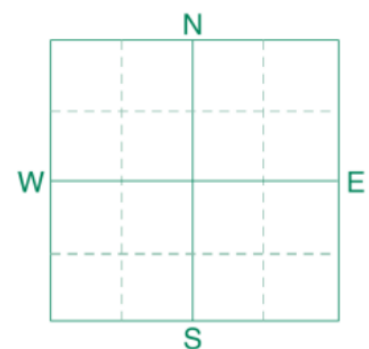
Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **GRN-92**
 SAMPLE ID
 FIELD NAME **Ted**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **23** QTR **NW** ACRES **102**
 PREV. CROP **Wheat-Winter**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: TO0533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941000** BOX # **1956**
 LAB # **NW69499**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	*****				Soybeans		Wheat-Spring		Canola-bu				
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
						40 BU		60 BU		50 BU				
	0-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.		Band/Maint.				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 14 ppm	*****				N	***	N	122	N	135			
Potassium	404 ppm	*****				P ₂ O ₅	30 Band *	P ₂ O ₅	38 Band *	P ₂ O ₅	45 Band *			
Chloride	0-24" 20 lb/acre	*****				K ₂ O	0	K ₂ O	10 Band (Starter)*	K ₂ O	0			
Sulfur	0-6" 6-24" 12 lb/acre 330 lb/acre	*****				Cl	0	Cl	20 Broadcast	Cl	Not Available			
Boron						S	7 Band (Trial)	S	0	S	17 Band			
Zinc						B		B		B				
Iron						Zn		Zn		Zn				
Manganese						Fe		Fe		Fe				
Copper	1.43 ppm	*****				Mn		Mn		Mn				
Magnesium						Cu	0	Cu	0	Cu	0			
Calcium						Mg		Mg		Mg				
Sodium						Lime		Lime		Lime				
Org.Matter	7.0 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 0.41 mmho/cm 6-24" 0.72 mmho/cm	*****				0-6" 7.8								
						6-24" 8.2								

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

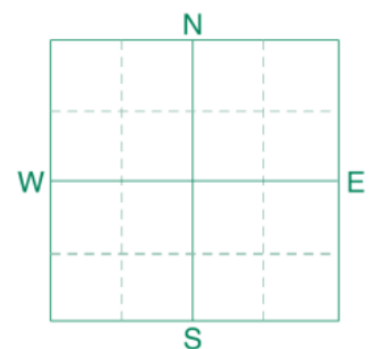
Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **GRN-93**
 SAMPLE ID
 FIELD NAME **Ted**
 COUNTY
 TWP **14** RANGE **09E**
 SECTION **30** QTR **NW** ACRES **134**
 PREV. CROP **Wheat-Winter**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: **TO0533**
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941001** BOX # **2090**
 LAB # **NW69500**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 12 lb/acre					Soybeans		Wheat-Spring		Canola-bu				
	6-24" 24 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 36 lb/acre					40 BU		60 BU		50 BU				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.		Band/Maint.				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 9 ppm					N	***	N	126	N	139			
Potassium	280 ppm					P ₂ O ₅	30 Band *	P ₂ O ₅	38 Band *	P ₂ O ₅	45 Band *			
Chloride	0-24" 108 lb/acre					K ₂ O	0	K ₂ O	10 Band (Starter)*	K ₂ O	0			
Sulfur	0-6" 120 +lb/acre					Cl	0	Cl	0	Cl	Not Available			
	6-24" 360 +lb/acre					S	0	S	0	S	10 Band			
Boron						B		B		B				
Zinc						Zn		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper	1.75 ppm					Cu	0	Cu	0	Cu	0			
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter	6.6 %													
Carbonate(CCE)														
Sol. Salts	0-6" 1.45 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 1.92 mmho/cm									% Ca	% Mg	% K	% Na	% H
						0-6" 7.7								
						6-24" 8.0								

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

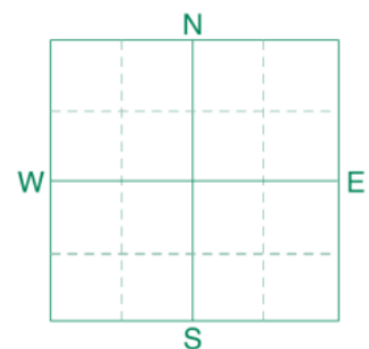
Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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SOIL TEST REPORT

FIELD ID **GRN-94**
 SAMPLE ID
 FIELD NAME **Ted**
 COUNTY
 TWP **14** RANGE **09E**
 SECTION **29** QTR **PT. N1/2** ACRES **182**
 PREV. CROP **Wheat-Winter**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB ROE 0C0

SUBMITTED BY: TO0533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB ROA 1V0

REF # **2941002** BOX # **1951**
 LAB # **NW69501**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 8 lb/acre					Soybeans		Wheat-Spring		Canola-bu			
	6-24" 27 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24" 35 lb/acre					40 BU		60 BU		50 BU			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
Olsen Phosphorus	4 ppm					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Potassium	173 ppm					N ***		N 127		N 140			
Chloride	0-24" 48 lb/acre					P ₂ O ₅ 38	Band *	P ₂ O ₅ 43	Band *	P ₂ O ₅ 53	Band *		
	0-6" 12 lb/acre					K ₂ O 47	Band *	K ₂ O 23	Band *	K ₂ O 23	Band *		
Sulfur	6-24" 360 +lb/acre					Cl 0		Cl 0		Cl	Not Available		
						S 7	Band (Trial)	S 0		S 17	Band		
Boron						B		B		B			
Zinc						Zn		Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper	1.08 ppm					Cu 0		Cu 0		Cu 0			
Magnesium						Mg		Mg		Mg			
Calcium						Lime		Lime		Lime			
Sodium													
Org.Matter	3.9 %												
Carbonate(CCE)													
Sol. Salts	0-6" 0.35 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24" 0.68 mmho/cm					0-6" 7.9				% Ca	% Mg	% K	% Na
						6-24" 8.1							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 30 K2O = 47 A GVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 A GVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

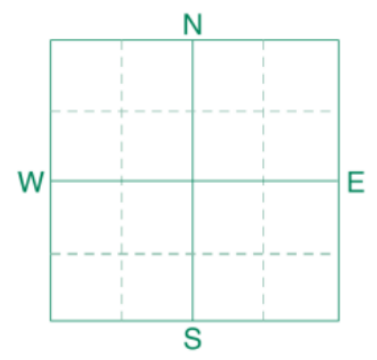
Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 A GVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



Soil Analysis by Agvise Laboratories
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Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **GRN-95**
 SAMPLE ID
 FIELD NAME **Ted**
 COUNTY
 TWP **14** RANGE **09E**
 SECTION **30** QTR **SE** ACRES **160**
 PREV. CROP **Wheat-Winter**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: **TO0533**
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941003** BOX # **1951**
 LAB # **NW69502**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 9 lb/acre					Soybeans		Wheat-Spring		Canola-bu			
	6-24" 27 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL			
						40 BU		60 BU		50 BU			
	0-24" 36 lb/acre					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	126	N	139		
Potassium	273 ppm					P ₂ O ₅	32 Band *	P ₂ O ₅	38 Band *	P ₂ O ₅	45 Band *		
Chloride	0-24" 116 lb/acre					K ₂ O	0	K ₂ O	10 Band (Starter)*	K ₂ O	0		
	0-6" 26 lb/acre					Cl	0	Cl	0	Cl	Not Available		
Sulfur	6-24" 78 lb/acre					S	5 Band (Trial)	S	0	S	15 Band		
Boron						B		B		B			
Zinc						Zn		Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper	1.25 ppm					Cu	0	Cu	0	Cu	0		
Magnesium						Mg		Mg		Mg			
Calcium						Lime		Lime		Lime			
Sodium													
Org.Matter	4.8 %												
Carbonate(CCE)													
Sol. Salts	0-6" 0.61 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24" 0.59 mmho/cm							% Ca	% Mg	% K	% Na	% H	
						0-6" 7.8							
						6-24" 8.2							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

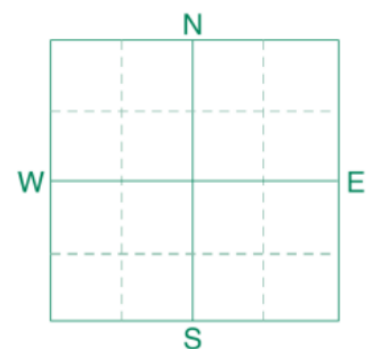
Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **GRN-22A**
 SAMPLE ID
 FIELD NAME **Arnold**
 COUNTY
 TWP **15** RANGE **08E**
 SECTION **21** QTR **NW** ACRES **160**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: **TO0533**
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941077** BOX # **283**
 LAB # **NW138068**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 10 lb/acre	*****				Wheat-Winter		Canola-bu		Wheat-Spring		
	6-24" 6 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL		
	0-24" 16 lb/acre					80 BU		50 BU		60 BU		
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
		Band/Maint.		Band/Maint.		Band/Maint.		Band/Maint.				
		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
Phosphorus	Olsen 16 ppm	*****				N	161		N	144		
Potassium	338 ppm	*****				P ₂ O ₅	50	Band *	P ₂ O ₅	45	Band *	
Chloride	0-24" 16 lb/acre	*****				K ₂ O	10	Band (Starter)*	K ₂ O	0	Band (Starter)*	
Sulfur	0-6" 16 lb/acre	*****				Cl	24	Broadcast	Cl		Not Available	
	6-24" 360 +lb/acre	*****				S	0		S	15	Band	
Boron						B			B			
Zinc						Zn			Zn			
Iron						Fe			Fe			
Manganese						Mn			Mn			
Copper	1.34 ppm	*****				Cu	0		Cu	0		
Magnesium						Mg			Mg			
Calcium						Lime			Lime			
Sodium												
Org.Matter	4.4 %	*****										
Carbonate(CCE)												
Sol. Salts	0-6" 0.52 mmho/cm	*****				Soil pH	8.1		% Base Saturation (Typical Range)			
	6-24" 1.08 mmho/cm	*****				Buffer pH	8.2		% Ca	% Mg	% K	% Na

Crop 1: 52 lb potassium chloride (0-0-60-50Cl) = 24 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

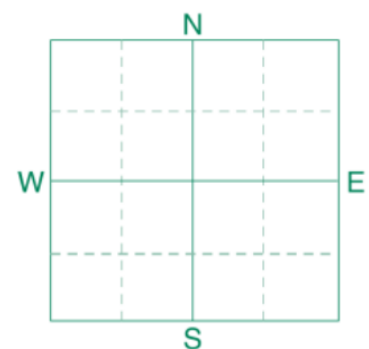
Crop 3: 52 lb potassium chloride (0-0-60-50Cl) = 24 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-22B**
 SAMPLE ID
 FIELD NAME **Arnold**
 COUNTY
 TWP **15** RANGE **08E**
 SECTION **20** QTR. **NE** ACRES **160**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941078** BOX # **283**
 LAB # **NW138069**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 14 lb/acre	*****				Wheat-Winter		Canola-bu		Wheat-Spring				
	6-24" 6 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 20 lb/acre					80 BU		50 BU		60 BU				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		Band/Maint.		Band/Maint.		Band/Maint.		Band/Maint.						
		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION					
Phosphorus	Olsen 34 ppm	*****				N	157	N	140	N	127			
Potassium	372 ppm	*****				P ₂ O ₅	50 Band *	P ₂ O ₅	45 Band *	P ₂ O ₅	38 Band *			
Chloride	0-24" 28 lb/acre	*****				K ₂ O	10 Band (Starter)*	K ₂ O	0	K ₂ O	10 Band (Starter)*			
Sulfur	0-6" 18 lb/acre	*****				Cl	12 Broadcast	Cl		Cl	12 Broadcast			
	6-24" 360 +lb/acre	*****				S	0	S	15 Band	S	0			
Boron						B		B		B				
Zinc						Zn		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper	1.47 ppm	*****				Cu	0	Cu	0	Cu	0			
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Org.Matter	4.7 %	*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)														
						0-6" 8.0								
Sol. Salts	0-6" 0.48 mmho/cm	*****				6-24" 8.1								
	6-24" 1.41 mmho/cm	*****												

Crop 1: 26 lb potassium chloride (0-0-60-50Cl) = 12 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

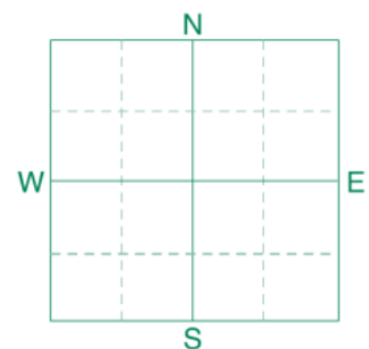
Crop 3: 26 lb potassium chloride (0-0-60-50Cl) = 12 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-46**
 SAMPLE ID
 FIELD NAME **Swark**
 COUNTY
 TWP **15** RANGE **08E**
 SECTION **33** QTR **NW** ACRES **120**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941079** BOX # **283**
 LAB # **NW138070**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 10 lb/acre	*****				Wheat-Winter		Canola-bu		Wheat-Spring			
	6-24" 3 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24" 13 lb/acre					80 BU		50 BU		60 BU			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
		Band/Maint.		Band/Maint.		Band/Maint.		Band/Maint.					
		LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Phosphorus	Olsen 11 ppm	*****				N 164		N 147		N 134			
Potassium	312 ppm	*****				P ₂ O ₅ 50	Band *	P ₂ O ₅ 45	Band *	P ₂ O ₅ 38	Band *		
Chloride	0-24" 20 lb/acre	*****				K ₂ O 10	Band (Starter)*	K ₂ O 0		K ₂ O 10	Band (Starter)*		
Sulfur	0-6" 18 lb/acre	*****				Cl 20	Broadcast	Cl	Not Available	Cl 20	Broadcast		
	6-24" 354 lb/acre	*****				S 0		S 15	Band	S 0			
Boron						B		B		B			
Zinc						Zn		Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper	1.31 ppm	*****				Cu 0		Cu 0		Cu 0			
Magnesium						Mg		Mg		Mg			
Calcium						Lime		Lime		Lime			
Sodium													
Org.Matter	5.3 %	*****											
Carbonate(CCE)													
Sol. Salts	0-6" 0.41 mmho/cm	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24" 0.78 mmho/cm	*****				0-6" 8.0			% Ca	% Mg	% K	% Na	% H
						6-24" 8.3							

Crop 1: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

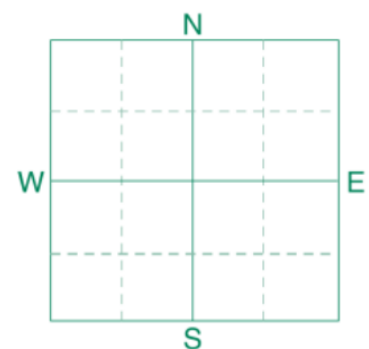
Crop 3: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-47&48**
 SAMPLE ID
 FIELD NAME **Swark**
 COUNTY
 TWP **15** RANGE **08E**
 SECTION **32** QTRE **1/2** ACRES **320**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941080** BOX # **283**
 LAB # **NW138071**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 8 lb/acre	****				Wheat-Winter		Canola-bu		Wheat-Spring				
	6-24" 3 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 11 lb/acre					80 BU		50 BU		60 BU				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		Band/Maint.		Band/Maint.		Band/Maint.		Band/Maint.						
		LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Phosphorus	Olsen 13 ppm	*****				N	166	N	149	N	136			
Potassium	308 ppm	*****				P ₂ O ₅	50 Band *	P ₂ O ₅	45 Band *	P ₂ O ₅	38 Band *			
Chloride	0-24" 20 lb/acre	*****				K ₂ O	10 Band (Starter)*	K ₂ O	0	K ₂ O	10 Band (Starter)*			
Sulfur	0-6" 30 lb/acre	*****				Cl	20 Broadcast	Cl		Cl	20 Broadcast			
	6-24" 360 +lb/acre	*****				S	0	S	15 Band	S	0			
Boron						B		B		B				
Zinc						Zn		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper	1.78 ppm	*****				Cu	0	Cu	0	Cu	0			
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Org.Matter	4.1 %	*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)														
Sol. Salts	0-6" 0.5 mmho/cm	*****												
	6-24" 1.16 mmho/cm	*****												

Crop 1: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

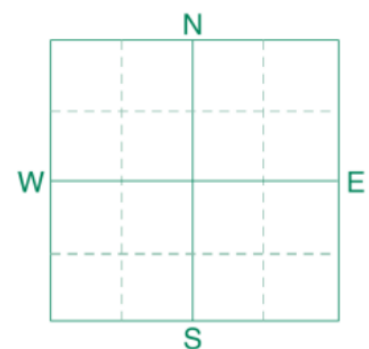
Crop 3: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-49**
 SAMPLE ID
 FIELD NAME **Swark**
 COUNTY
 TWP **15** RANGE **08E**
 SECTION **29** QTR. **NE** ACRES **155**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941081** BOX # **279**
 LAB # **NW138072**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 19 lb/acre	*****				Wheat-Winter	Canola-bu		Wheat-Spring					
	6-24" 9 lb/acre					YIELD GOAL	YIELD GOAL		YIELD GOAL					
	0-24" 28 lb/acre					80 BU	50 BU		60 BU					
						SUGGESTED GUIDELINES	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
						Band/Maint.		Band/Maint.		Band/Maint.				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 13 ppm					N 149		N 132		N 119				
Potassium	372 ppm					P ₂ O ₅ 50	Band *	P ₂ O ₅ 45	Band *	P ₂ O ₅ 38	Band *			
Chloride	0-24" 24 lb/acre					K ₂ O 10	Band (Starter)*	K ₂ O 0		K ₂ O 10	Band (Starter)*			
Sulfur	0-6" 92 lb/acre					Cl 16	Broadcast	Cl	Not Available	Cl 16	Broadcast			
	6-24" 360 +lb/acre					S 0		S 10	Band	S 0				
Boron						B		B		B				
Zinc						Zn		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper	1.32 ppm					Cu 0		Cu 0		Cu 0				
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter	6.1 %													
Carbonate(CCE)														
Sol. Salts	0-6" 0.64 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 1.47 mmho/cm					0-6" 8.0				% Ca	% Mg	% K	% Na	% H
						6-24" 8.1								

Crop 1: 35 lb potassium chloride (0-0-60-50Cl) = 16 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

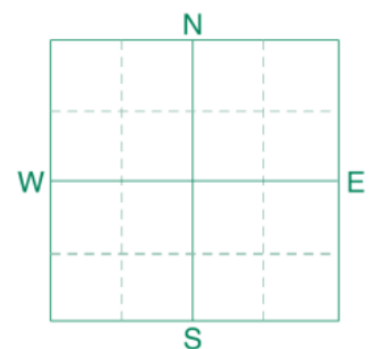
Crop 3: 35 lb potassium chloride (0-0-60-50Cl) = 16 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-58N**
 SAMPLE ID
 FIELD NAME **Kintop**
 COUNTY
 TWP **16** RANGE **09E**
 SECTION **6** QTR **WSE** ACRES **80**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941082** BOX # **279**
 LAB # **NW138073**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice					
		VLow	Low	Med	High										
Nitrate	0-6" 16 lb/acre	*****				Wheat-Spring		Canola-bu		Soybeans					
	6-24" 9 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL					
	0-24" 25 lb/acre					60 BU		50 BU		40 BU					
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
		Band/Maint.		Band/Maint.		Band/Maint.									
		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION						
		N	122		N	135		N	***						
Phosphorus	Olsen 5 ppm	*****				P ₂ O ₅	41 Band *		P ₂ O ₅	50 Band *					
Potassium	279 ppm	*****				K ₂ O	10 Band (Starter)*		K ₂ O	0					
Chloride	0-24" 8 lb/acre	***				Cl	32 Broadcast		Cl	0					
Sulfur	0-6" 34 lb/acre	*****				S	0		S	15 Band					
	6-24" 222 lb/acre	*****				B			B						
Boron						Zn			Zn						
Zinc						Fe			Fe						
Iron						Mn			Mn						
Manganese						Cu	0		Cu	0					
Copper	1.76 ppm	*****				Mg			Mg						
Magnesium						Lime			Lime						
Calcium															
Sodium															
Org.Matter	5.4 %	*****													
Carbonate(CCE)															
Sol. Salts	0-6" 0.45 mmho/cm	*****				Soil pH	Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 0.5 mmho/cm	*****				0-6" 7.8					% Ca	% Mg	% K	% Na	% H
						6-24" 8.2									

Crop 1: 70 lb potassium chloride (0-0-60-50Cl) = 32 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

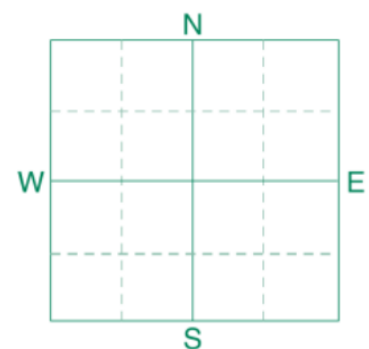
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.



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

SOIL TEST REPORT

FIELD ID **GRN-58S**
 SAMPLE ID
 FIELD NAME **Kintop**
 COUNTY
 TWP **15** RANGE **09E**
 SECTION **31** QTR. **NE** ACRES **159**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: TO0533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941083** BOX # **283**
 LAB # **NW138074**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 9 lb/acre	*****				Soybeans		Canola-bu		Wheat-Winter				
	6-24" 6 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 15 lb/acre					40 BU		50 BU		80 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	***	N	145	N	162			
Potassium	273 ppm	*****				P ₂ O ₅	30 Band *	P ₂ O ₅	45 Band *	P ₂ O ₅	50 Band *			
Chloride	0-24" 40 lb/acre	*****				K ₂ O	0	K ₂ O	0	K ₂ O	10 Band (Starter)*			
Sulfur	0-6" 120 +lb/acre	*****				Cl	0	Cl	Not Available	Cl	0			
	6-24" 360 +lb/acre	*****				S	0	S	10 Band	S	0			
Boron						B		B		B				
Zinc						Zn		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper	1.14 ppm	*****				Cu	0	Cu	0	Cu	0			
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter	4.5 %	*****												
Carbonate(CCE)														
Sol. Salts	0-6" 1.07 mmho/cm	*****				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 1.61 mmho/cm	*****				0-6" 7.9				% Ca	% Mg	% K	% Na	% H
						6-24" 8.0								

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

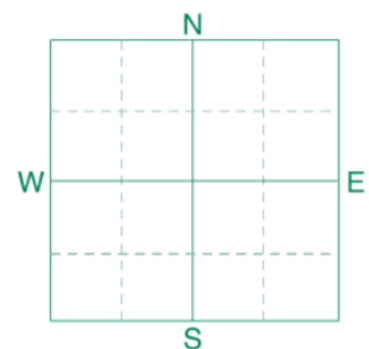
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 50 K2O = 30 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-65NE&SE&W**
 SAMPLE ID
 FIELD NAME **Mariash**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **32** QTR **E1/2 & PT. NW** ACRES **300**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: **TO0533**
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941084** BOX # **2310**
 LAB # **NW73944**

Date Sampled **09/07/2020** Date Received **09/09/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 25 lb/acre					Soybeans		Wheat-Spring		Wheat-Winter				
	6-24" 36 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 61 lb/acre					40 BU		60 BU		80 BU				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.		Band/Maint.				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 13 ppm					N	***	N	101	N	131			
Potassium	438 ppm					P ₂ O ₅	30 Band *	P ₂ O ₅	38 Band *	P ₂ O ₅	50 Band *			
Chloride	0-24" 16 lb/acre					K ₂ O	0	K ₂ O	10 Band (Starter)*	K ₂ O	10 Band (Starter)*			
Sulfur	0-6" 46 lb/acre					Cl	0	Cl	24 Broadcast	Cl	24 Broadcast			
	6-24" 360 +lb/acre					S	0	S	0	S	0			
Boron						B		B		B				
Zinc						Zn		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper	1.45 ppm					Cu	0	Cu	0	Cu	0			
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter	5.3 %													
Carbonate(CCE)														
Sol. Salts	0-6" 0.53 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 1.21 mmho/cm								% Ca	% Mg	% K	% Na	% H	
						0-6" 7.8								
						6-24" 8.2								

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: 52 lb potassium chloride (0-0-60-50Cl) = 24 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

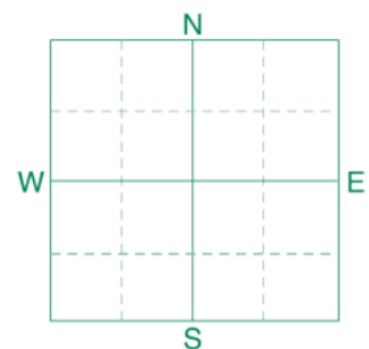
Crop 3: 52 lb potassium chloride (0-0-60-50Cl) = 24 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 50 K2O = 30 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-66**
 SAMPLE ID
 FIELD NAME **Mariash**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **33** QTR **NW** ACRES **155**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941085** BOX # **2057**
 LAB # **NW69503**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 15 lb/acre					Soybeans	Wheat-Spring		Wheat-Winter				
	6-24" 15 lb/acre					YIELD GOAL	YIELD GOAL		YIELD GOAL				
	0-24" 30 lb/acre					40 BU	60 BU		80 BU				
						SUGGESTED GUIDELINES	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen 14 ppm					N ***		N 132		N 162			
Potassium	325 ppm					P ₂ O ₅ 30 Band *		P ₂ O ₅ 38 Band *		P ₂ O ₅ 50 Band *			
Chloride	0-24" 24 lb/acre					K ₂ O 0		K ₂ O 10 Band (Starter)*		K ₂ O 10 Band (Starter)*			
	0-6" 78 lb/acre					Cl 0		Cl 16 Broadcast		Cl 16 Broadcast			
Sulfur	6-24" 360 +lb/acre					S 0		S 0		S 0			
Boron						B		B		B			
Zinc						Zn		Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper	1.5 ppm					Cu 0		Cu 0		Cu 0			
Magnesium						Mg		Mg		Mg			
Calcium						Lime		Lime		Lime			
Sodium													
Org.Matter	4.0 %												
Carbonate(CCE)													
Sol. Salts	0-6" 0.54 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24" 1.13 mmho/cm							% Ca	% Mg	% K	% Na	% H	
						0-6" 8.0							
						6-24" 8.1							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 30 K2O = 47 A GWISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: 35 lb potassium chloride (0-0-60-50Cl) = 16 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 A GWISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

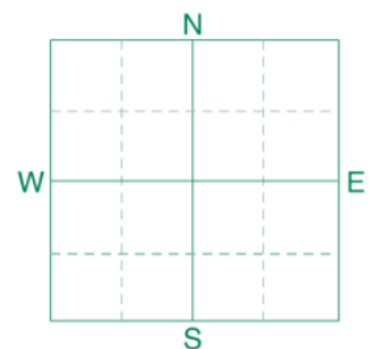
Crop 3: 35 lb potassium chloride (0-0-60-50Cl) = 16 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 50 K2O = 30 A GWISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-67E&W**
 SAMPLE ID
 FIELD NAME **Mariash**
 COUNTY
 TWP **15** RANGE **08E**
 SECTION **5** QTR **SE & ESW** ACRES **240**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: TO0533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941086** BOX # **2310**
 LAB # **NW73945**

Date Sampled **09/07/2020** Date Received **09/09/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6"					Soybeans		Wheat-Spring		Wheat-Winter			
	6-24"					YIELD GOAL		YIELD GOAL		YIELD GOAL			
		22 lb/acre				40 BU		60 BU		80 BU			
	0-24"	67 lb/acre				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	16 ppm				N	***	N	95	N	125		
Potassium		363 ppm				P ₂ O ₅	30	Band *	P ₂ O ₅	38	Band *		
Chloride	0-24"	12 lb/acre				K ₂ O	0		K ₂ O	10	Band (Starter)*		
	0-6"	52 lb/acre				Cl	0		Cl	28	Broadcast		
Sulfur	6-24"	360 +lb/acre				S	0		S	0			
						B			B				
Boron						Zn			Zn				
Zinc						Fe			Fe				
Iron						Mn			Mn				
Manganese						Cu	0		Cu	0			
Copper		1.15 ppm				Mg			Mg				
Magnesium						Lime			Lime				
Calcium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Sodium						Buffer pH			% Ca	% Mg	% K	% Na	% H
Org.Matter		5.1 %				0-6" 8.2							
Carbonate(CCE)						6-24" 8.3							
Sol. Salts	0-6"	0.41 mmho/cm											
	6-24"	0.94 mmho/cm											

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 30 K20 = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: 61 lb potassium chloride (0-0-60-50Cl) = 28 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K20 = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

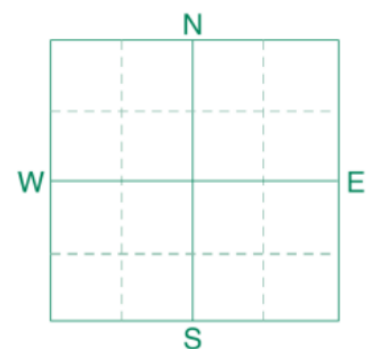
Crop 3: 61 lb potassium chloride (0-0-60-50Cl) = 28 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 50 K20 = 30 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



Soil Analysis by Agvise Laboratories
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Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **GRN-68**
 SAMPLE ID
 FIELD NAME **Mariash**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **21** QTR **NE** ACRES **45**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: TO0533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941087** BOX # **2057**
 LAB # **NW69504**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 8 lb/acre					Soybeans	Canola-bu		Wheat-Winter				
	6-24" 21 lb/acre					YIELD GOAL	YIELD GOAL		YIELD GOAL				
	0-24" 29 lb/acre	*****				40 BU	50 BU		80 BU				
						SUGGESTED GUIDELINES	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen 24 ppm	*****				N	***	N	146	N	163		
Potassium	284 ppm	*****				P ₂ O ₅	30 Band *	P ₂ O ₅	45 Band *	P ₂ O ₅	50 Band *		
Chloride	0-24" 8 lb/acre	***				K ₂ O	0	K ₂ O	0	K ₂ O	10 Band (Starter)*		
Sulfur	0-6" 120 +lb/acre	*****				Cl	0	Cl	Not Available	Cl	32 Broadcast		
	6-24" 360 +lb/acre	*****				S	0	S	10 Band	S	0		
Boron						B		B		B			
Zinc						Zn		Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper	1.32 ppm	*****				Cu	0	Cu	0	Cu	0		
Magnesium						Mg		Mg		Mg			
Calcium						Lime		Lime		Lime			
Sodium													
Org.Matter	3.7 %	*****											
Carbonate(CCE)													
Sol. Salts	0-6" 0.82 mmho/cm	*****				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24" 1.99 mmho/cm	*****				0-6" 8.1				% Ca	% Mg	% K	% Na
						6-24" 8.0							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

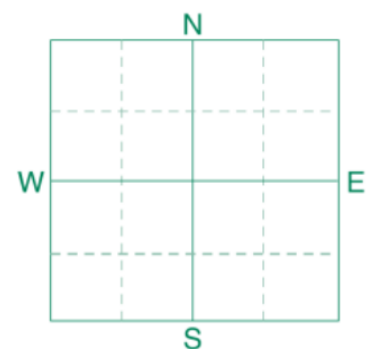
Crop 3: 70 lb potassium chloride (0-0-60-50Cl) = 32 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 50 K2O = 30 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **GRN-69**
 SAMPLE ID
 FIELD NAME **Mariash**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **22** QTR **SW** ACRES **150**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941088** BOX # **1951**
 LAB # **NW69505**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6"					Soybeans		Canola-bu		Wheat-Winter			
	6-24"	15 lb/acre	45 lb/acre	*****		YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"	60 lb/acre	*****		40 BU		50 BU		80 BU				
			*****		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		*****		Band/Maint.		Band/Maint.		Band/Maint.					
		*****		LB/ACRE		APPLICATION		LB/ACRE		APPLICATION			
Phosphorus	Olsen	12 ppm	*****		N	***	N	115	N	132			
Potassium		212 ppm	*****		P ₂ O ₅	30	Band *	P ₂ O ₅	45	Band *	P ₂ O ₅	50	Band *
Chloride	0-24"	8 lb/acre	***		K ₂ O	47	Band *	K ₂ O	23	Band *	K ₂ O	30	Band *
	0-6"	40 lb/acre	*****		Cl	0		Cl		Not Available	Cl	32	Broadcast
Sulfur	6-24"	360 +lb/acre	*****		S	0		S	15	Band	S	0	
Boron					B			B			B		
Zinc					Zn			Zn			Zn		
Iron					Fe			Fe			Fe		
Manganese					Mn			Mn			Mn		
Copper		1.0 ppm	*****		Cu	0		Cu	0		Cu	0	
Magnesium					Mg			Mg			Mg		
Calcium					Lime			Lime			Lime		
Sodium													
Org.Matter		6.2 %	*****										
Carbonate(CCE)			*****										
Sol. Salts	0-6"	0.5 mmho/cm	*****		Soil pH			Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24"	1.03 mmho/cm	*****		Buffer pH	8.2			% Ca	% Mg	% K	% Na	% H
						8.2							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

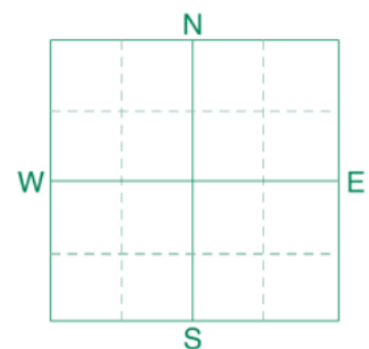
Crop 3: 70 lb potassium chloride (0-0-60-50Cl) = 32 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 50 K2O = 30 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-70A&B**
 SAMPLE ID
 FIELD NAME **Italian**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **35** QTR **W 1/2** ACRES **310**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: **TO0533**
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941089** BOX # **1905**
 LAB # **NW69506**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 8 lb/acre					Soybeans		Canola-bu		Wheat-Winter			
	6-24" 15 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24" 23 lb/acre					40 BU		50 BU		80 BU			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen 12 ppm					N	***	N	152	N	169		
Potassium	362 ppm					P ₂ O ₅	30 Band *	P ₂ O ₅	45 Band *	P ₂ O ₅	50 Band *		
Chloride	0-24" 16 lb/acre					K ₂ O	0	K ₂ O	0	K ₂ O	10 Band (Starter)*		
Sulfur	0-6" 36 lb/acre					Cl	0	Cl	Not Available	Cl	24 Broadcast		
	6-24" 360 +lb/acre					S	0	S	15 Band	S	0		
Boron						B		B		B			
Zinc						Zn		Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper	1.76 ppm					Cu	0	Cu	0	Cu	0		
Magnesium						Mg		Mg		Mg			
Calcium						Lime		Lime		Lime			
Sodium													
Org.Matter	5.0 %												
Carbonate(CCE)													
						Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)			
								% Ca	% Mg	% K	% Na	% H	
						0-6" 7.9							
Sol. Salts	0-6" 0.61 mmho/cm					6-24" 8.0							
	6-24" 1.2 mmho/cm												

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

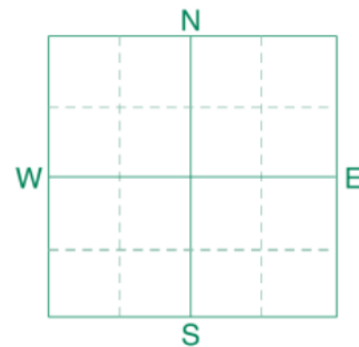
Crop 3: 52 lb potassium chloride (0-0-60-50Cl) = 24 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 50 K2O = 30 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-70C&D**
 SAMPLE ID
 FIELD NAME **Italian**
 COUNTY
 TWP **14** RANGE **08E**
 SECTION **35** QTR **SNE & NSE** ACRES **145**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **2941090** BOX # **1977**
 LAB # **NW69507**

Date Sampled **09/02/2020** Date Received **09/04/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 8 lb/acre					Soybeans		Canola-bu		Wheat-Winter			
	6-24" 15 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24" 23 lb/acre	*****				40 BU		50 BU		80 BU			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
Phosphorus	Olsen 12 ppm	*****				Band/Maint.		Band/Maint.		Band/Maint.			
	Potassium 424 ppm	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Chloride	0-24" 8 lb/acre	***				N	***	N	152	N	169		
	0-6" 120 +lb/acre	*****				P ₂ O ₅	30 Band *	P ₂ O ₅	45 Band *	P ₂ O ₅	50 Band *		
Sulfur	6-24" 360 +lb/acre	*****				K ₂ O	0	K ₂ O	0	K ₂ O	10 Band (Starter)*		
						Cl	0	Cl	Not Available	Cl	32 Broadcast		
Boron						S	0	S	10 Band	S	0		
Zinc						B		B		B			
Iron						Zn		Zn		Zn			
Manganese						Fe		Fe		Fe			
Copper	1.78 ppm	*****				Mn		Mn		Mn			
Magnesium						Cu	0	Cu	0	Cu	0		
Calcium						Mg		Mg		Mg			
Sodium						Lime		Lime		Lime			
Org.Matter	5.3 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 1.44 mmho/cm	*****				0-6" 7.9							
	6-24" 2.27 mmho/cm	*****				6-24" 8.0							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

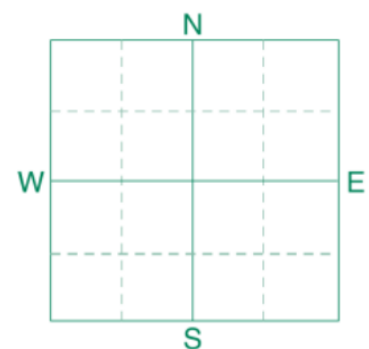
Crop 3: 70 lb potassium chloride (0-0-60-50Cl) = 32 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 50 K2O = 30 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several 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 **GRN-59&59C**
 SAMPLE ID
 FIELD NAME **Allan Schwark**
 COUNTY
 TWP **15** RANGE **08E**
 SECTION **21** QTRS **1/2** ACRES **320**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
Greenwald Colony
Rick Hofer
Box 3140 RR#3
Beausejour, MB **ROE 0C0**

SUBMITTED BY: T00533
TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB **ROA 1V0**

REF # **3074931** BOX # **283**
 LAB # **NW138973**

Date Sampled **10/03/2020** Date Received **10/06/2020** Date Reported **4/27/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 11 lb/acre	*****				Soybeans		Canola-bu		Wheat-Spring			
	6-24" 6 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24" 17 lb/acre					40 BU		50 BU		60 BU			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
		Band/Maint.		Band/Maint.		Band/Maint.		Band/Maint.					
		LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Phosphorus	Olsen 9 ppm	*****				N	***	N	143	N	130		
Potassium	369 ppm	*****				P ₂ O ₅	30 Band *	P ₂ O ₅	45 Band *	P ₂ O ₅	38 Band *		
Chloride	0-24" 12 lb/acre	*****				K ₂ O	0	K ₂ O	0	K ₂ O	10 Band (Starter)*		
Sulfur	0-6" 104 lb/acre	*****				Cl	0	Cl	Not Available	Cl	28 Broadcast		
	6-24" 360 +lb/acre	*****				S	0	S	10 Band	S	0		
Boron						B		B		B			
Zinc						Zn		Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper	1.55 ppm	*****				Cu	0	Cu	0	Cu	0		
Magnesium						Mg		Mg		Mg			
Calcium						Lime		Lime		Lime			
Sodium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Org.Matter	4.6 %	*****				Buffer pH			% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)													
	0-6" 0.74 mmho/cm	*****				0-6" 8.0							
Sol. Salts	6-24" 0.93 mmho/cm	*****				6-24" 8.2							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 3: 61 lb potassium chloride (0-0-60-50Cl) = 28 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 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 = 38 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.