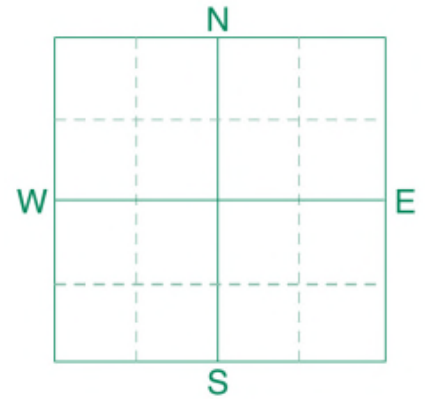




Soil Analysis by Agvise Laboratories  
 (http://www.agvise.com)  
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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **8894** Field # 1  
 SAMPLE ID  
 FIELD NAME **Arlene A Walker**  
 COUNTY  
 TWP **S 24-17-** RANGE  
**12w**  
 SECTION QTR ACRES **250**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Topigs Gladstone**

SUBMITTED BY: **EL1911**  
**AGRA-GOLD CONSULTING LTD**  
**CLIFF LOEWEN**  
**33020 RD 40 N**  
**BLUMENORT, MB** **ROA 0C1**

REF # **3189948** BOX # **2847**  
 LAB # **NW2819**

Date Sampled **01/15/2021**

Date Received **01/19/2021**

Date Reported **1/20/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	16 lb/acre 18 lb/acre	*****	*****	*****	Wheat-Spring								
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"	34 lb/acre				70 BU								
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen	11 ppm	*****	*****	*****	N	155	N		N				
Potassium		190 ppm	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	34	P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>				
Chloride						K <sub>2</sub> O	10	K <sub>2</sub> O		K <sub>2</sub> O				
Sulfur	0-6" 6-24"	112 lb/acre 360 +lb/acre	*****	*****	*****	Cl		Cl		Cl				
Boron						S	0	S		S				
Zinc		0.43 ppm	*****	*****	*****	B		B		B				
Iron						Zn	0	Zn		Zn				
Manganese						Fe		Fe		Fe				
Copper						Mn		Mn		Mn				
Magnesium		989 ppm	*****	*****	*****	Cu		Cu		Cu				
Calcium		5506 ppm	*****	*****	*****	Mg	0	Mg		Mg				
Sodium		32 ppm	*****	*****	*****	Lime		Lime		Lime				
Org.Matter		3.8 %	*****	*****	*****	Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.63 mmho/cm 1.28 mmho/cm	*****	*****	*****			36.4 meq		(65-75) 75.6	(15-20) 22.6	(1-7) 1.3	(0-5) 0.4	(0-5) 0.0

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

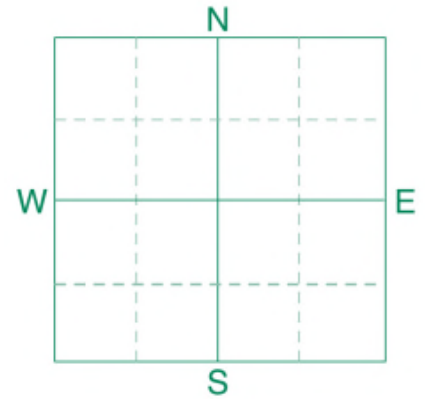
Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26  
 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **8898** Field # 2  
 SAMPLE ID  
 FIELD NAME **Court Seeds Ltd**  
 COUNTY  
 TWP **E 18-17-11w** RANGE  
 SECTION QTR ACRES **320**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Topigs Gladstone**

SUBMITTED BY: **EL1911**  
**AGRA-GOLD CONSULTING LTD**  
**CLIFF LOEWEN**  
**33020 RD 40 N**  
**BLUMENORT, MB ROA 0C1**

REF # **3189952** BOX # **2847**  
 LAB # **NW2823**

Date Sampled **01/15/2021**

Date Received **01/19/2021**

Date Reported **1/20/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice						
		VLow	Low	Med	High	Wheat-Spring										
Nitrate	0-6" 6-24"	16 lb/acre 24 lb/acre	*****	*****	*****	YIELD GOAL		YIELD GOAL		YIELD GOAL						
	0-24"	40 lb/acre	*****	*****	*****	70 BU										
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES						
						Band										
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Phosphorus	Olsen	13 ppm	*****	*****	*****	N	149	N		N						
Potassium		245 ppm	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	29	Band *	P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>					
Chloride						K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O		K <sub>2</sub> O					
Sulfur	0-6" 6-24"	120 +lb/acre 360 +lb/acre	*****	*****	*****	Cl		Cl		Cl						
Boron						S	0	S		S						
Zinc		0.44 ppm	*****	*****	*****	B		B		B						
Iron						Zn	0	Zn		Zn						
Manganese						Fe		Fe		Fe						
Copper						Mn		Mn		Mn						
Magnesium		1077 ppm	*****	*****	*****	Cu		Cu		Cu						
Calcium		6688 ppm	*****	*****	*****	Mg	0	Mg		Mg						
Sodium		85 ppm	*****	*****	*****	Lime		Lime		Lime						
Org.Matter		5.2 %	*****	*****	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						0-6"	8.0			43.4 meq		% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	1.61 mmho/cm 2.11 mmho/cm	*****	*****	*****	6-24"	8.4					(65-75) 77.0	(15-20) 20.7	(1-7) 1.4	(0-5) 0.9	(0-5) 0.0

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

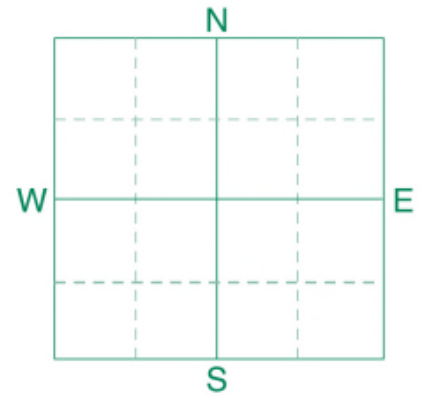
Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26  
 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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### SOIL TEST REPORT

FIELD ID **K17** Sec. 17-12-11w (6 Zones)  
 SAMPLE ID **G1** Field # 3  
 FIELD NAME  
 COUNTY  
 TWP  
 SECTION QTR ACRES 480  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975584** BOX # **2173**  
 LAB # **NW73161**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

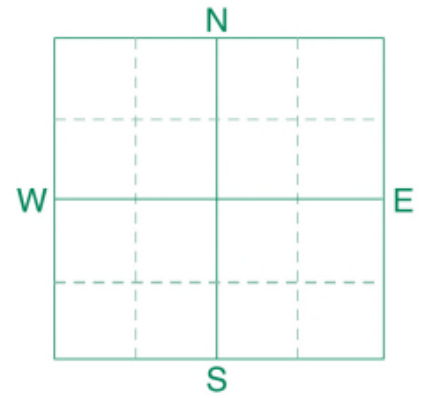
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Nitrate	0-6" 6-24"	17 lb/acre 12 lb/acre												
	0-24"	29 lb/acre												
Phosphorus	Olsen	11 ppm					P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>			
Potassium		247 ppm					K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O			
Chloride	0-24"	52 lb/acre					Cl		Cl		Cl			
Sulfur	0-6" 6-24"	34 lb/acre 204 lb/acre					S		S		S			
	Boron	1.9 ppm					B		B		B			
Zinc		0.49 ppm					Zn		Zn		Zn			
Iron							Fe		Fe		Fe			
Manganese							Mn		Mn		Mn			
Copper							Cu		Cu		Cu			
Magnesium							Mg		Mg		Mg			
Sodium							Lime		Lime		Lime			
Org.Matter		4.5 %												
Carbonate(CCE)							Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)			
Sol. Salts	0-6" 6-24"	0.41 mmho/cm 0.36 mmho/cm					0-6" <b>8.3</b>			% Ca	% Mg	% K	% Na	% H
							6-24" <b>8.6</b>							



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### SOIL TEST REPORT

FIELD ID **K17**  
 SAMPLE ID **G2**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975585** BOX # **2113**  
 LAB # **NW73162**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

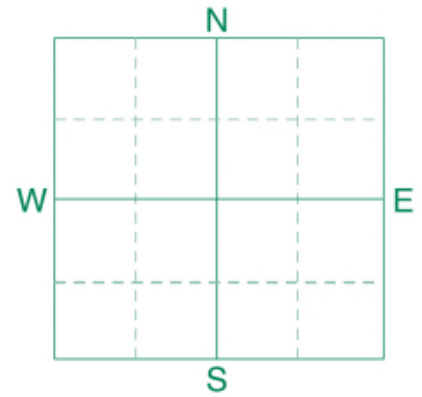
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL	
Nitrate	0-6" 6-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
	0-24"	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
	36 lb/acre 21 lb/acre					N		N		N	
	57 lb/acre					P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>	
Phosphorus	Olsen 9 ppm					K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O	
Potassium	232 ppm					Cl		Cl		Cl	
Chloride	0-24" 84 lb/acre					S		S		S	
Sulfur	0-6" 6-24" 98 lb/acre 360 +lb/acre					B		B		B	
Boron	1.9 ppm					Zn		Zn		Zn	
Zinc	0.44 ppm					Fe		Fe		Fe	
Iron						Mn		Mn		Mn	
Manganese						Cu		Cu		Cu	
Copper						Mg		Mg		Mg	
Magnesium						Lime		Lime		Lime	
Calcium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)	
Sodium						Buffer pH			% Ca	% Mg	% K
Org.Matter	4.9 %								% Na	% H	
Carbonate(CCE)						0-6" 8.3					
Sol. Salts	0-6" 6-24" 0.56 mmho/cm 0.49 mmho/cm					6-24" 8.7					



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### SOIL TEST REPORT

FIELD ID **K17**  
 SAMPLE ID **B1**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975586** BOX # **2253**  
 LAB # **NW73163**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL		
Nitrate	0-6" 6-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
	0-24"	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Olsen Phosphorus	9 ppm	*****				N		N		N		
Potassium	261 ppm	*****				P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		
Chloride	420 lb/acre	*****				K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O		
Sulfur	0-6" 6-24"	*****				Cl		Cl		Cl		
	0-24"	*****				S		S		S		
Boron	2.1 ppm	*****				B		B		B		
Zinc	0.35 ppm	*****				Zn		Zn		Zn		
Iron							Fe		Fe			
Manganese							Mn		Mn			
Copper							Cu		Cu			
Magnesium							Mg		Mg			
Calcium							Lime		Lime			
Sodium												
Org.Matter	4.9 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)		
Carbonate(CCE)						Buffer pH		% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	*****				0-6" <b>8.1</b>						
		*****				6-24" <b>8.5</b>						



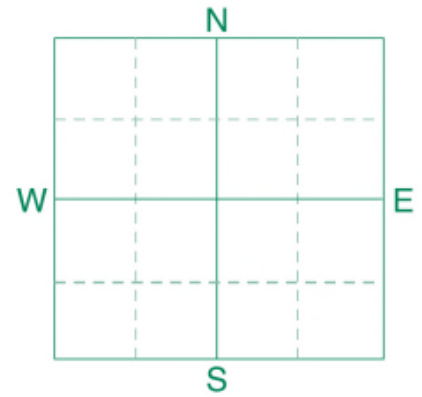




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### SOIL TEST REPORT

FIELD ID **K17**  
 SAMPLE ID **O+R**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975589** BOX # **2251**  
 LAB # **NW73166**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL		
Nitrate	0-6" 6-24"	20 lb/acre 42 lb/acre	*****	*****	*****	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
	0-24"	62 lb/acre	*****	*****	*****	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Olsen	8 ppm	*****	*****	*****	N		N		N			
Phosphorus					P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>			
Potassium	171 ppm	*****	*****	*****	K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O			
Chloride	0-24"	908 lb/acre	*****	*****	Cl		Cl		Cl			
Sulfur	0-6" 6-24"	120 +lb/acre 360 +lb/acre	*****	*****	S		S		S			
	Boron	2.2 ppm	*****	*****	B		B		B			
Zinc	0.25 ppm	*****	*****	*****	Zn		Zn		Zn			
Iron					Fe		Fe		Fe			
Manganese					Mn		Mn		Mn			
Copper					Cu		Cu		Cu			
Magnesium					Mg		Mg		Mg			
Sodium					Lime		Lime		Lime			
Org.Matter	4.7 %	*****	*****	*****	Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Carbonate(CCE)					Buffer pH			% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	2.76 mmho/cm 3.05 mmho/cm	*****	*****	0-6" <b>8.2</b>							
			*****	*****	6-24" <b>8.6</b>							





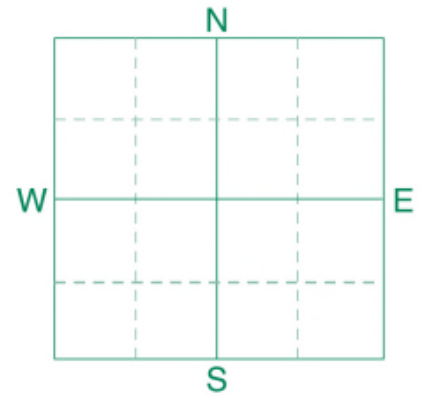




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### SOIL TEST REPORT

FIELD ID **K16**  
 SAMPLE ID **B1**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975594** BOX # **2114**  
 LAB # **NW73169**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL				
Nitrate	0-6" 6-24"	21 lb/acre 18 lb/acre	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	0-24"	39 lb/acre					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen Phosphorus	8 ppm	*****				N		N		N				
Potassium	230 ppm	*****				P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>				
Chloride	0-24" 1688 lb/acre	*****				K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O				
Sulfur	0-6" 6-24" 120 +lb/acre 360 +lb/acre	*****				Cl		Cl		Cl				
Boron	2.2 ppm	*****				S		S		S				
Zinc	0.35 ppm	*****				B		B		B				
Iron						Zn		Zn		Zn				
Manganese						Fe		Fe		Fe				
Copper						Mn		Mn		Mn				
Magnesium						Cu		Cu		Cu				
Calcium						Mg		Mg		Mg				
Sodium						Lime		Lime		Lime				
Org.Matter	5.5 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24" 1.34 mmho/cm 2.34 mmho/cm	*****				0-6" <b>8.1</b>								
						6-24" <b>8.5</b>								





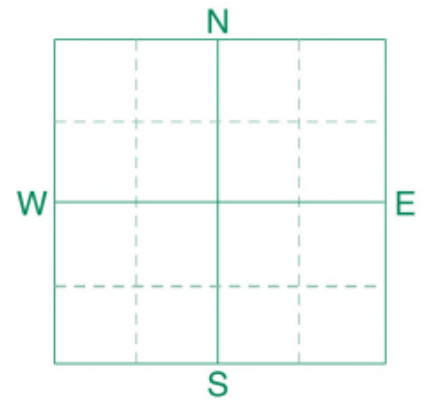




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 (http://www.agvise.com)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **8897** Field # 5  
 SAMPLE ID  
 FIELD NAME **Randolph & Jeanine Court**  
 COUNTY  
 TWP **NW 16-17-11w** RANGE  
 SECTION QTR ACRES **100**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Topigs Gladstone**

SUBMITTED BY: **EL1911**  
**AGRA-GOLD CONSULTING LTD**  
**CLIFF LOEWEN**  
**33020 RD 40 N**  
**BLUMENORT, MB ROA 0C1**

REF # **3189951** BOX # **2859**  
 LAB # **NW2822**

Date Sampled **01/15/2021** Date Received **01/19/2021** Date Reported **1/20/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Wheat-Spring								
Nitrate	0-6" 6-24"	*****	*****	*****	*****	YIELD GOAL		YIELD GOAL		YIELD GOAL				
	71 lb/acre					70 BU								
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 14 ppm	*****	*****	*****	*****	N 118		N		N				
Potassium	207 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub> 27	Band *	P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>				
Chloride						K <sub>2</sub> O 10	Band (Starter)*	K <sub>2</sub> O		K <sub>2</sub> O				
Sulfur	0-6" 6-24"	*****	*****	*****	*****	Cl		Cl		Cl				
Boron						S 0		S		S				
Zinc	0.55 ppm					Zn 0		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper		Cu		Cu		Cu								
Magnesium	1278 ppm	*****	*****	*****	*****	Mg 0		Mg		Mg				
Calcium	6228 ppm	*****	*****	*****	*****	Lime		Lime		Lime				
Sodium	470 ppm	*****	*****	*****	*****									
Org.Matter	5.7 %	*****	*****	*****	*****									
Carbonate(CCE)														
Sol. Salts	0-6"	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24"					0-6" 8.1		44.4 meq	% Ca	% Mg	% K	% Na	% H	
	3.78 mmho/cm					6-24" 8.5			(65-75) 70.2	(15-20) 24.0	(1-7) 1.2	(0-5) 4.6	(0-5) 0.0	

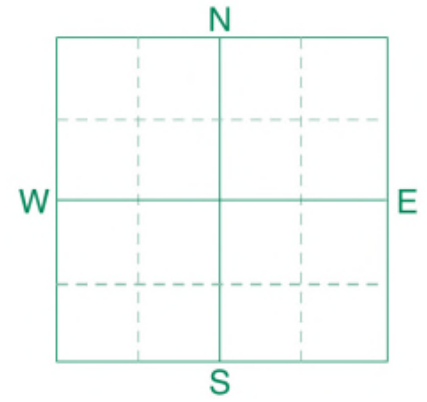
**General Comments:** Soil texture is not estimated on high pH soils.  
**Crop 1: \*CAUTION:** Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P2O5 = 44 K2O = 26 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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

### SOIL TEST REPORT

FIELD ID **8899** Field # 6  
 SAMPLE ID  
 FIELD NAME **Court Seeds Ltd**  
 COUNTY  
 TWP **SE 6-17-11w** RANGE  
 SECTION QTR ACRES **160**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Topigs Gladstone**

SUBMITTED BY: **EL1911**  
**AGRA-GOLD CONSULTING LTD**  
**CLIFF LOEWEN**  
**33020 RD 40 N**  
**BLUMENORT, MB ROA 0C1**

REF # **3189953** BOX # **2859**  
 LAB # **NW2824**

Date Sampled **01/15/2021**

Date Received **01/19/2021**

Date Reported **1/20/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice						
		VLow	Low	Med	High	Wheat-Spring										
Nitrate	0-6" 6-24"	48 lb/acre 27 lb/acre	*****	*****	*****	YIELD GOAL		YIELD GOAL		YIELD GOAL						
	0-24"	75 lb/acre	*****	*****	*****	70 BU										
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES						
						Band										
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Phosphorus	Olsen	11 ppm	*****	*****	*****	N	114	N		N						
Potassium		185 ppm	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	34	Band *	P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>					
Chloride						K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O		K <sub>2</sub> O					
Sulfur	0-6" 6-24"	120 +lb/acre 360 +lb/acre	*****	*****	*****	Cl			Cl		Cl					
Boron						S	0		S		S					
Zinc		0.49 ppm	*****	*****		B			B		B					
Iron						Zn	0		Zn		Zn					
Manganese						Fe			Fe		Fe					
Copper						Mn			Mn		Mn					
Magnesium		975 ppm	*****	*****	*****	Cu			Cu		Cu					
Calcium		5900 ppm	*****	*****	*****	Mg	0		Mg		Mg					
Sodium		80 ppm	*****	*****		Lime			Lime		Lime					
Org.Matter		5.0 %	*****	*****	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						0-6"	8.0			38.4 meq		% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.98 mmho/cm 1.22 mmho/cm	*****	*****	*****	6-24"	8.5					(65-75) 76.7	(15-20) 21.1	(1-7) 1.2	(0-5) 0.9	(0-5) 0.0

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

Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26  
 AGVISE Band guideline will build P & K test levels to the medium range over several years.

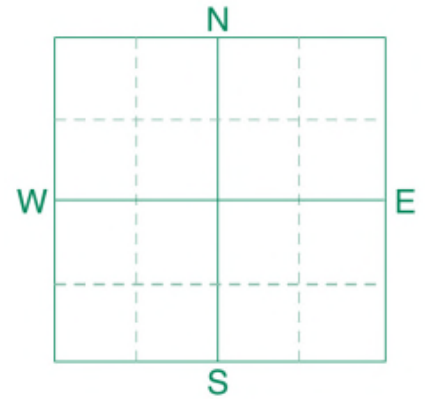




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 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **8900** Field # 7  
 SAMPLE ID  
 FIELD NAME **Court Seeds Ltd**  
 COUNTY  
 TWP **SW 5-17-11w** RANGE  
 SECTION QTR ACRES **160**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Topigs Gladstone**

SUBMITTED BY: **EL1911**  
**AGRA-GOLD CONSULTING LTD**  
**CLIFF LOEWEN**  
**33020 RD 40 N**  
**BLUMENORT, MB ROA 0C1**

REF # **3189954** BOX # **2859**  
 LAB # **NW2825**

Date Sampled **01/15/2021**

Date Received **01/19/2021**

Date Reported **1/20/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice						
		VLow	Low	Med	High	Wheat-Spring										
Nitrate	<b>0-6"</b> <b>6-24"</b>	<b>60 lb/acre</b> <b>36 lb/acre</b>				YIELD GOAL		YIELD GOAL		YIELD GOAL						
	<b>0-24"</b>	<b>96 lb/acre</b>	*****	*****	*****	70 BU										
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES						
						Band										
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Phosphorus	<b>Olsen</b>	<b>10 ppm</b>	*****	*****	*****	N	<b>93</b>	N		N						
Potassium		<b>220 ppm</b>	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	<b>36</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>					
Chloride						K <sub>2</sub> O	<b>10</b>	<b>Band (Starter)*</b>	K <sub>2</sub> O		K <sub>2</sub> O					
Sulfur	<b>0-6"</b> <b>6-24"</b>	<b>120 +lb/acre</b> <b>360 +lb/acre</b>	*****	*****	*****	Cl			Cl		Cl					
Boron						S	<b>0</b>		S		S					
Zinc		<b>0.42 ppm</b>	*****	*****	*****	B			B		B					
Iron						Zn	<b>0</b>		Zn		Zn					
Manganese						Fe			Fe		Fe					
Copper						Mn			Mn		Mn					
Magnesium		<b>844 ppm</b>	*****	*****	*****	Cu			Cu		Cu					
Calcium		<b>6264 ppm</b>	*****	*****	*****	Mg	<b>0</b>		Mg		Mg					
Sodium		<b>48 ppm</b>	*****	*****	*****	Lime			Lime		Lime					
Org.Matter		<b>5.1 %</b>	*****	*****	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						0-6"	<b>7.9</b>			39.1 meq		% Ca	% Mg	% K	% Na	% H
Sol. Salts	<b>0-6"</b> <b>6-24"</b>	<b>0.98 mmho/cm</b> <b>2.0 mmho/cm</b>	*****	*****	*****	6-24"	<b>8.4</b>					(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
												<b>80.0</b>	<b>18.0</b>	<b>1.4</b>	<b>0.5</b>	<b>0.0</b>

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

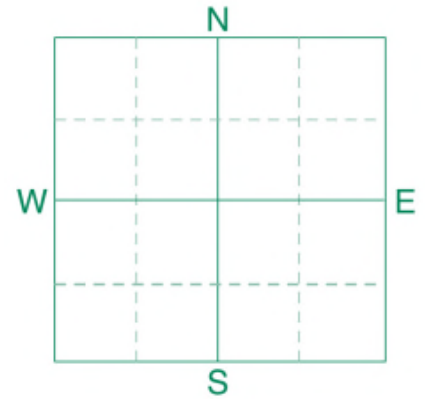
Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26  
 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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

### SOIL TEST REPORT

FIELD ID **8901** Field # 8  
 SAMPLE ID  
 FIELD NAME **Court Seeds Ltd**  
 COUNTY  
 TWP **NW 32-16-11w** RANGE  
 SECTION QTR ACRES **160**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Topigs Gladstone**

SUBMITTED BY: **EL1911**  
**AGRA-GOLD CONSULTING LTD**  
**CLIFF LOEWEN**  
**33020 RD 40 N**  
**BLUMENORT, MB ROA 0C1**

REF # **3189955** BOX # **2847**  
 LAB # **NW2826**

Date Sampled **01/15/2021** Date Received **01/19/2021** Date Reported **1/20/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice						
		VLow	Low	Med	High											
Nitrate	<b>0-6"</b> <b>6-24"</b>	<b>35 lb/acre</b> <b>33 lb/acre</b>				Wheat-Spring										
	<b>0-24"</b>	<b>68 lb/acre</b>	*****	*****	*****	YIELD GOAL		YIELD GOAL		YIELD GOAL						
						70 BU										
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES						
						Band										
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Phosphorus	<b>Olsen</b>	<b>17 ppm</b>	*****	*****	*****	N	<b>121</b>	N		N						
Potassium		<b>230 ppm</b>	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	<b>20</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>					
Chloride						K <sub>2</sub> O	<b>10</b>	<b>Band (Starter)*</b>	K <sub>2</sub> O		K <sub>2</sub> O					
Sulfur	<b>0-6"</b> <b>6-24"</b>	<b>120 +lb/acre</b> <b>360 +lb/acre</b>	*****	*****	*****	Cl			Cl		Cl					
Boron						S	<b>0</b>		S		S					
Zinc		<b>0.40 ppm</b>	*****	*****	*****	B			B		B					
Iron						Zn	<b>0</b>		Zn		Zn					
Manganese						Fe			Fe		Fe					
Copper						Mn			Mn		Mn					
Magnesium		<b>952 ppm</b>	*****	*****	*****	Cu			Cu		Cu					
Calcium		<b>6680 ppm</b>	*****	*****	*****	Mg	<b>0</b>		Mg		Mg					
Sodium		<b>99 ppm</b>	*****	*****	*****	Lime			Lime		Lime					
Org.Matter		<b>4.6 %</b>	*****	*****	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						0-6"	<b>7.9</b>			42.4 meq		% Ca	% Mg	% K	% Na	% H
Sol. Salts	<b>0-6"</b> <b>6-24"</b>	<b>1.65 mmho/cm</b> <b>2.44 mmho/cm</b>	*****	*****	*****	6-24"	<b>8.4</b>					(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
												<b>78.9</b>	<b>18.7</b>	<b>1.4</b>	<b>1.0</b>	<b>0.0</b>

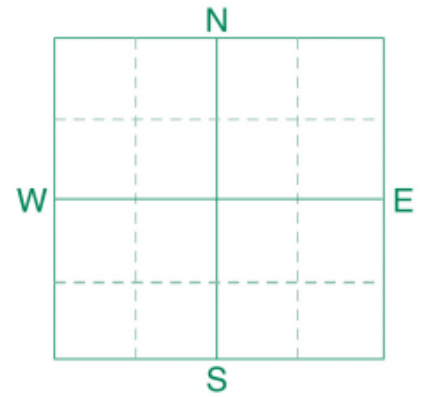
**General Comments:** Soil texture is not estimated on high pH soils.  
**Crop 1: \*CAUTION:** Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26  
 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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### SOIL TEST REPORT

FIELD ID **K9** Sec 9-17-11w (10 zones)  
 SAMPLE ID **G1** Field # 9  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES 640  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975571** BOX # **2079**  
 LAB # **NW73340**

Date Sampled

Date Received **09/09/2020**

Date Reported **1/18/2021**

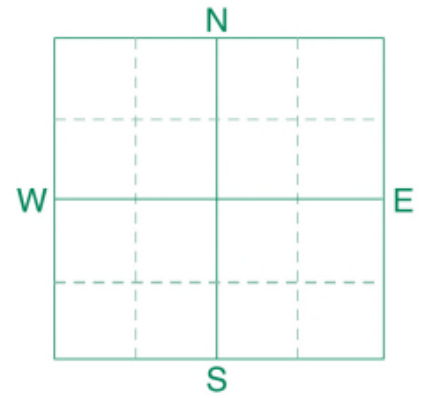
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL	
Nitrate	0-6" 6-24"	24 lb/acre 21 lb/acre	*****			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
	0-24"	45 lb/acre				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Phosphorus	Olsen	10 ppm	*****			N		N		N	
Potassium		198 ppm	*****			P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>	
Chloride	0-24"	268 lb/acre	*****			K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O	
Sulfur	0-6" 6-24"	44 lb/acre 360 +lb/acre	*****			Cl		Cl		Cl	
Boron		2.2 ppm	*****			S		S		S	
Zinc		0.43 ppm	*****			B		B		B	
Iron						Zn		Zn		Zn	
Manganese						Fe		Fe		Fe	
Copper						Mn		Mn		Mn	
Magnesium						Cu		Cu		Cu	
Calcium						Mg		Mg		Mg	
Sodium						Lime		Lime		Lime	
Org.Matter		4.5 %	*****			Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)	
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K
Sol. Salts	0-6" 6-24"	0.44 mmho/cm 0.95 mmho/cm	*****			0-6" <b>8.3</b>					
			*****			6-24" <b>8.5</b>					



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

### SOIL TEST REPORT

FIELD ID **K9**  
 SAMPLE ID **G2**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975572** BOX # **2251**  
 LAB # **NW73152**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

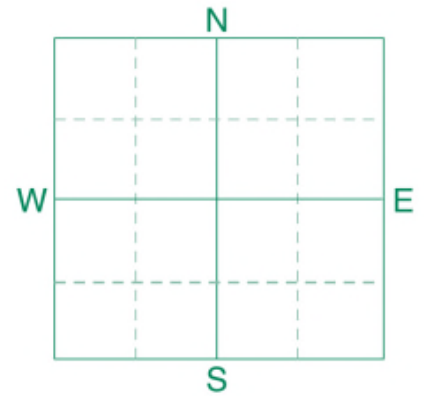
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL			
		*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Nitrate	0-6" 6-24"	20 lb/acre 12 lb/acre											
	0-24"	32 lb/acre											
Phosphorus	Olsen	11 ppm					P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		
Potassium		322 ppm					K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O		
Chloride	0-24"	188 lb/acre					Cl		Cl		Cl		
Sulfur	0-6" 6-24"	120 +lb/acre 360 +lb/acre					S		S		S		
	Boron	2.0 ppm					B		B		B		
Zinc		0.47 ppm					Zn		Zn		Zn		
Iron							Fe		Fe		Fe		
Manganese							Mn		Mn		Mn		
Copper							Cu		Cu		Cu		
Magnesium							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" 6-24"	1.2 mmho/cm 1.2 mmho/cm					0-6" <b>8.1</b>						
							6-24" <b>8.5</b>						



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### SOIL TEST REPORT

FIELD ID **K9**  
 SAMPLE ID **B1**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975573** BOX # **2148**  
 LAB # **NW73153**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL		
		*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
		*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Nitrate	0-6" 6-24"	19 lb/acre 24 lb/acre					N		N		N	
	0-24"	43 lb/acre					P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>	
Olsen Phosphorus	8 ppm					K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O		
Potassium	290 ppm					Cl		Cl		Cl		
Chloride	0-24"	456 lb/acre					S		S		S	
	0-6" 6-24"	120 +lb/acre 360 +lb/acre					B		B		B	
Sulfur	2.0 ppm					Zn		Zn		Zn		
Boron	0.46 ppm					Fe		Fe		Fe		
Zinc						Mn		Mn		Mn		
Iron						Cu		Cu		Cu		
Manganese						Mg		Mg		Mg		
Copper						Lime		Lime		Lime		
Magnesium						Soil pH Buffer pH Cation Exchange Capacity		% Base Saturation (Typical Range)				
Calcium								% Ca	% Mg	% K	% Na	% H
Sodium						0-6" <b>8.1</b>						
Org.Matter	5.3 %					6-24" <b>8.3</b>						
Carbonate(CCE)												
Sol. Salts	0-6"	1.06 mmho/cm										
	6-24"	1.73 mmho/cm										

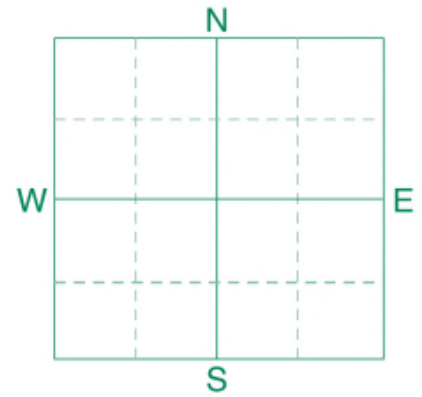




Soil Analysis by Agvise Laboratories  
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 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **K9**  
 SAMPLE ID **Y**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975575** BOX # **2114**  
 LAB # **NW73155**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL				
Nitrate	0-6" 6-24"	20 lb/acre 33 lb/acre	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	0-24"	53 lb/acre					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	8 ppm	*****				N		N		N			
Potassium		178 ppm	*****				P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>			
Chloride	0-24"	1416 lb/acre	*****				K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O			
Sulfur	0-6" 6-24"	120 +lb/acre 360 +lb/acre	*****				Cl		Cl		Cl			
Boron		2.1 ppm	*****				S		S		S			
Zinc		0.31 ppm	*****				B		B		B			
Iron							Zn		Zn		Zn			
Manganese							Fe		Fe		Fe			
Copper							Mn		Mn		Mn			
Magnesium							Cu		Cu		Cu			
Calcium							Mg		Mg		Mg			
Sodium							Lime		Lime		Lime			
Org.Matter		4.5 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Carbonate(CCE)							Buffer pH			% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	2.12 mmho/cm 3.29 mmho/cm	*****				0-6" <b>8.1</b>							
							6-24" <b>8.4</b>							



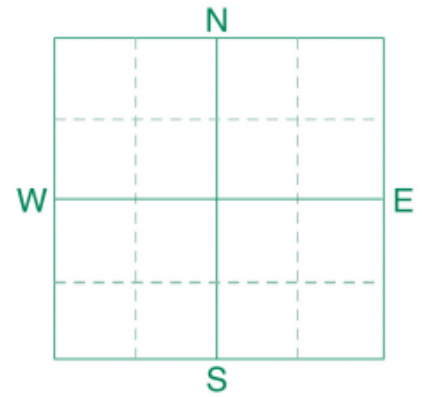




Soil Analysis by Agvise Laboratories  
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 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **K9a**  
 SAMPLE ID **G1+G2**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975579** BOX # **2114**  
 LAB # **NW73157**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

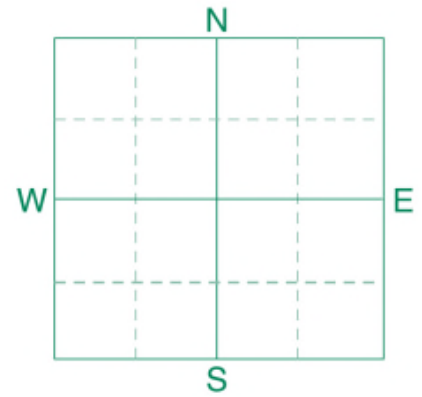
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL				
Nitrate	0-6" 6-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
	0-24"					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen Phosphorus	11 ppm	*****				N		N		N				
Potassium	279 ppm	*****				P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>				
Chloride	212 lb/acre	*****				K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O				
Sulfur	120 +lb/acre 360 +lb/acre	*****				Cl		Cl		Cl				
Boron	1.6 ppm	*****				S		S		S				
Zinc	0.91 ppm	*****				B		B		B				
Iron						Zn		Zn		Zn				
Manganese						Fe		Fe		Fe				
Copper						Mn		Mn		Mn				
Magnesium						Cu		Cu		Cu				
Calcium						Mg		Mg		Mg				
Sodium						Lime		Lime		Lime				
Org.Matter	6.1 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0.63 mmho/cm 0.77 mmho/cm	*****				0-6" <b>8.2</b>								
						6-24" <b>8.4</b>								



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

### SOIL TEST REPORT

FIELD ID **K9a**  
 SAMPLE ID **B1+B2**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975580** BOX # **2005**  
 LAB # **NW73158**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

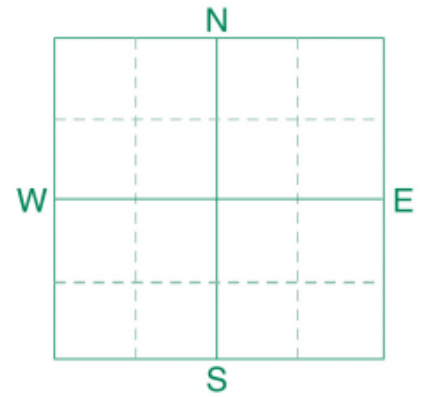
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL			
Nitrate	0-6" 6-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	0-24"	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen Phosphorus	10 ppm	*****				N		N		N			
Potassium	302 ppm	*****				P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>			
Chloride	800 lb/acre	*****				K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O			
Sulfur	120 +lb/acre 360 +lb/acre	*****				Cl		Cl		Cl			
Boron	2.5 ppm	*****				S		S		S			
Zinc	0.89 ppm	*****				B		B		B			
Iron						Zn		Zn		Zn			
Manganese						Fe		Fe		Fe			
Copper						Mn		Mn		Mn			
Magnesium						Cu		Cu		Cu			
Calcium						Mg		Mg		Mg			
Sodium						Lime		Lime		Lime			
Org.Matter	6.9 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H
Sol. Salts	2.36 mmho/cm 2.91 mmho/cm	*****				0-6" <b>8.0</b>							
						6-24" <b>8.4</b>							



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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **K9a**  
 SAMPLE ID **Y**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975581** BOX # **2113**  
 LAB # **NW73159**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

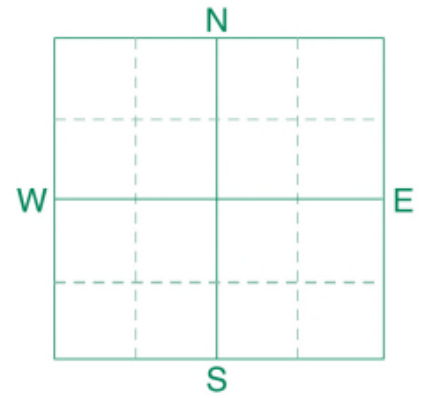
Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL			
Nitrate	0-6" 6-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	0-24"	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
	33 lb/acre 45 lb/acre					N		N		N			
	78 lb/acre					P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>			
Phosphorus	Olsen 11 ppm					K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O			
Potassium	200 ppm					Cl		Cl		Cl			
Chloride	0-24" 748 lb/acre					S		S		S			
Sulfur	0-6" 120 +lb/acre 6-24" 360 +lb/acre					B		B		B			
Boron	2.8 ppm					Zn		Zn		Zn			
Zinc	0.60 ppm					Fe		Fe		Fe			
Iron						Mn		Mn		Mn			
Manganese						Cu		Cu		Cu			
Copper						Mg		Mg		Mg			
Magnesium						Lime		Lime		Lime			
Calcium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Sodium						Buffer pH			% Ca	% Mg	% K	% Na	% H
Org.Matter	5.6 %												
Carbonate(CCE)						0-6" 8.2							
Sol. Salts	0-6" 2.05 mmho/cm 6-24" 2.99 mmho/cm					6-24" 8.7							



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

### SOIL TEST REPORT

FIELD ID **K9a**  
 SAMPLE ID **O+R**  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **0**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**RL Wolfe**

SUBMITTED BY: **DE4293**  
**DELTA AG SERVICES**  
**38165 B HWY 1 WEST**  
**PORTAGE LA PRAIRIE, MB R1N 4A8**

REF # **2975582** BOX # **2005**  
 LAB # **NW73160**

Date Sampled

Date Received **09/08/2020**

Date Reported **1/18/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	YIELD GOAL		YIELD GOAL		YIELD GOAL			
Nitrate	0-6" 6-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	0-24"	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
	30 lb/acre 54 lb/acre					N		N		N			
	84 lb/acre					P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>		P <sub>2</sub> O <sub>5</sub>			
Phosphorus	Olsen 11 ppm					K <sub>2</sub> O		K <sub>2</sub> O		K <sub>2</sub> O			
Potassium	257 ppm					Cl		Cl		Cl			
Chloride	0-24" 2544 lb/acre					S		S		S			
Sulfur	0-6" 6-24"	*****				B		B		B			
Boron	2.8 ppm					Zn		Zn		Zn			
Zinc	0.61 ppm					Fe		Fe		Fe			
Iron						Mn		Mn		Mn			
Manganese						Cu		Cu		Cu			
Copper						Mg		Mg		Mg			
Magnesium						Lime		Lime		Lime			
Calcium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Sodium						Buffer pH			% Ca	% Mg	% K	% Na	% H
Org.Matter	5.8 %												
Carbonate(CCE)						0-6" 8.1							
Sol. Salts	0-6" 6-24"	*****				6-24" 8.6							