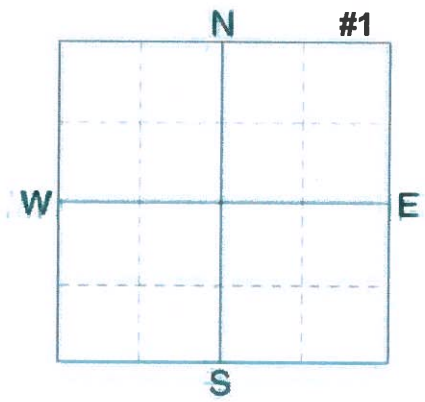




Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **PHN10**
 SAMPLE ID **PHN1019**
 FIELD NAME **HWY**
 COUNTY
 TWP RANGE
NW-
 SECTION QTR **10-08- ACRES 80**
04E



SUBMITTED FOR:
Prairie Harvest

SUBMITTED BY: S07394
SHUR-GRO-NIVERVILLE
21039 PREFONTAINE RD
PO BOX 642
NIVERVILLE, MB ROA 1E0

REF # **2704630** BOX # **1324**
 LAB # **NW72168**

Date Sampled

Date Received **09/19/2019**

Date Reported **3/24/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6"					Canola-bu		Soybeans		Wheat-Spring				
	6-24"					YIELD GOAL		YIELD GOAL		YIELD GOAL				
		82 lb/ac				44 BU		40 BU		80 BU				
	0-24"	156 lb/ac				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		238 lb/ac				Band/Maint.		Band/Maint.		Band/Maint.				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen	48 ppm				N	0	N	***	N	10			
Potassium		439 ppm				P ₂ O ₅	10	P ₂ O ₅	10	P ₂ O ₅	15			
							Band (Starter)*		Band (Starter)*		Band (Starter)*			
Chloride	0-24"	488 lb/ac				K ₂ O	0	K ₂ O	0	K ₂ O	10			
							Not Available		0		0			
Sulfur	0-6"	120 +lb/ac				Cl		Cl	0	Cl	0			
	6-24"	360 +lb/ac				S	10	S	0	S	0			
Boron		2.4 ppm				B	0	B	0	B	0			
Zinc		2.99 ppm				Zn	0	Zn	0	Zn	0			
Iron		15.7 ppm				Fe	0	Fe	0	Fe	0			
Manganese		2.4 ppm				Mn	0	Mn	0	Mn	0			
Copper		2.28 ppm				Cu	0	Cu	0	Cu	0			
Magnesium		2006 ppm				Mg	0	Mg	0	Mg	0			
Calcium		5924 ppm				Lime		Lime		Lime				
Sodium		123 ppm												
Org.Matter		6.2 %												
Carbonate(CCE)		7.3 %												
	0-6"	1.06 mmho/cm				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24"	1.58 mmho/cm				0-6" 8.2		48.0 meq		% Ca	% Mg	% K	% Na	% H
Sol. Salts						6-24" 8.4				(65-75) 61.7	(15-20) 34.8	(1-7) 2.3	(0-5) 1.1	(0-5) 0.0

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

Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 40 K2O = 20 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is extreme based on the salt and carbonate levels. Crop Removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 50 K2O = 30 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

AGRA-GOLD

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

SOIL TEST REPORT

FIELD ID **5342**
 SAMPLE ID
 FIELD NAME **Jake Doerksen**
 COUNTY
 TWP **SW 18-8-4e** RANGE
 SECTION **QTR** ACRES **154**
 PREV. CROP **Wheat-Spring**

N #2

W E

SUBMITTED FOR:
Moonfleet Layers

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

S

REF # **2961074** BOX # **658**
 LAB # **NW57689**

Date Sampled **08/24/2020**

Date Received **08/25/2020**

Date Reported **8/29/2020**

Nitrate	0-6"	28 lb/acre				Canola-bu									
	6-24"	36 lb/acre				YIELD GOAL		YIELD GOAL		YIELD GOAL					
	0-24"	64 lb/acre				50 BU									
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
						Band									
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Olsen Phosphorus		26 ppm				N	111	N		N					
Potassium		445 ppm				P ₂ O ₅	10	P ₂ O ₅		P ₂ O ₅					
Chloride						K ₂ O	0	K ₂ O		K ₂ O					
						Cl		Cl		Cl					
Sulfur	0-6"	16 lb/acre				S	15	S		S					
	6-24"	132 lb/acre													
Boron						B		B		B					
Zinc		1.44 ppm				Zn	0	Zn		Zn					
Iron						Fe		Fe		Fe					
Manganese						Mn		Mn		Mn					
Copper						Cu		Cu		Cu					
Magnesium		2073 ppm				Mg	0	Mg		Mg					
Calcium		5676 ppm				Lime		Lime		Lime					
Sodium		103 ppm													
Org.Matter		5.5 %													
Carbonate(CCE)															
	0-6"	0.64 mmho/cm				Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
	6-24"	0.76 mmho/cm				0-6"	8.2			47.2 meq	% Ca	% Mg	% K	% Na	% H
Sol. Salts						6-24"	8.6				(65-75) 60.1	(15-20) 36.6	(1-7) 2.4	(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 = 45 K2O = 23
 AGVISE Band guideline will build P & K test levels to the medium range over several years.

AGRA-GOLD

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

SOIL TEST REPORT

FIELD ID **5334**
 SAMPLE ID
 FIELD NAME **Jake Doerksen**
 COUNTY
 TWP **NW 18-8-4e** RANGE
 SECTION QTR ACRES **159**
 PREV. CROP **Wheat-Spring**

N #3

W E

SUBMITTED FOR:
Moonfleet Layers

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

S

REF # **2961073** BOX # **658**
 LAB # **NW57688**

Date Sampled **08/24/2020**

Date Received **08/25/2020**

Date Reported **8/29/2020**

Nitrate	0-6"	28 lb/acre				Canola-bu							
	6-24"		15 lb/acre			YIELD GOAL		YIELD GOAL		YIELD GOAL			
			*****	*****	*****	50 BU							
	0-24"	43 lb/acre				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band							
Olsen Phosphorus		34 ppm	*****	*****	*****	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Potassium		423 ppm	*****	*****	*****	N	132	N		N			
Chloride						P ₂ O ₅	10	P ₂ O ₅		P ₂ O ₅			
							Band (Starter)*						
Sulfur	0-6"	26 lb/acre	*****	*****	*****	K ₂ O	0	K ₂ O		K ₂ O			
	6-24"	162 lb/acre	*****	*****	*****	Cl		Cl		Cl			
Boron						S	15	S		S			
Zinc		1.61 ppm	*****	*****	*****	B		B		B			
Iron						Zn	0	Zn		Zn			
Manganese						Fe		Fe		Fe			
Copper						Mn		Mn		Mn			
Magnesium		2077 ppm	*****	*****	*****	Cu		Cu		Cu			
Calcium		4784 ppm	*****	*****	*****	Mg	0	Mg		Mg			
Sodium		134 ppm	*****	*****	*****	Lime		Lime		Lime			
Org. Matter		5.4 %	*****	*****	*****								
Carbonate(CCE)						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	0-6"	0.71 mmho/cm	*****	*****	*****				% Ca	% Mg	% K	% Na	% H
Sol. Salts	6-24"	0.79 mmho/cm	*****	*****	*****	0-6" 8.1		42.9 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
						6-24" 8.5			55.8	40.3	2.5	1.4	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 = 45 K2O = 23
 AGVISE Band guideline will build P & K test levels to the medium range over several years.



C19331-10382

A & L Canada Laboratories Inc.

2136 Jetstream Road, London, Ontario, N5V 3P5
Telephone: (519) 457-2575 Fax: (519) 457-2664

Report Number: C19331-10382
Account Number: 95094

To: BRAD SCHNELL
BOX 60
12 ASHLAND DRIVE
SANFORD, MB R0G 2J0

For: KRAHN ACRES INC.

Field: 02-Home 1/4

Grower Code: 26967

204-736-3368

SOIL TEST REPORT

Printed Date: Nov 29, 2019

Page: 1 / 2

Sample Number	Legal Land Descript:	Depth	Lab Number	Organic Matter	Phosphorus - P ppm	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	pH	CEC meq/100g	Percent Base Saturations % K % Mg % Ca % H % Na	
Zone 1-1-A 26967		6	07738	4.0	11	348	1696	5760	8.0	43.9	2.0 32.2 65.6 0.6	
Zone 1-1-B 26967		24	07739	1.9		221	2034	7200	8.3	50.0	1.1 31.5 67.0 0.9	
Zone 2-1-A 26967		6	07740	3.3	10	370	2090	6360	8.1	50.0	1.9 34.6 63.2 0.7	
Zone 2-1-B 26967		24	07741	2.2		285	2319	6730	8.2	50.0	1.4 35.8 62.4 0.9	
Sample Number	Sulfur ppm	Nitrate Nitrogen ppm	Zn ppm	Mn ppm	B ppm	Mo ppm	CaCO3 mmhos/cm	Al ppm	%Al	K/Mg Ratio	NH4N ppm	Na ppm
Zone 1-1-A	19	5	2.3	18	0.9		1	110	0.0	0.06	56	57
Zone 1-1-B	23	1								0.03		106
Zone 2-1-A	11	3	2.1	29	0.9		1	97	0.0	0.05	54	85
Zone 2-1-B	11	2								0.04		115

0-6
6-24
0-6
6-24

SOIL FERTILITY GUIDELINES (lbs/ac)

Sample Number	Crop	Yield Goal	Lime Tons/Acre	N	P2O5	K2O	Mg	Ca	S	Zn	Mn	Fe	Cu	B
Field sampled IN 2 zones this represents whole field Duff Fox as per DAN Fox														

#4

* Recs are based on building nutrients to a level to maintain soil health. Banding and/or precision placement techniques can be utilized to increase fertilizer efficiency.
* If this report contains soil in excess of 7500 ppm Ca it may or may not effect the calculated Cation Exchange Capacity. Excessive seed placed fertilizer can cause injury.
The results of this report relate to the sample submitted and analyzed.
* Crop yield influenced by a number of factors in addition to soil fertility.
No guarantee or warranty concerning crop performance is made by A & L.

Results Authorized By: Ian McLachlin, Vice President

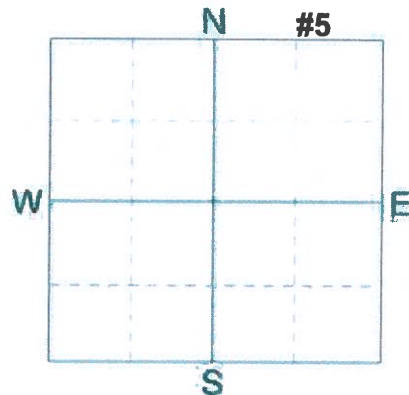
A&L Canada Laboratories Inc. is accredited by the Standards Council of Canada for specific tests as listed on www.scc.ca and by the Canadian Association for Laboratory Accreditation as listed on www.cala.ca



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

SOIL TEST REPORT

FIELD ID **5343**
 SAMPLE ID
 FIELD NAME **Jake Doerksen**
 COUNTY
 TWP **SW 20-8-4e RANGE**
 SECTION QTR ACRES **153**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Lanville Farm Puralean

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

REF # **2665358** BOX # **5185**
 LAB # **NW46826**

Date Sampled **08/21/2019** Date Received **08/22/2019** Date Reported **8/23/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 39 lb/ac					Canola-bu								
	6-24" 78 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****	*****	*****	*****	60 BU								
	0-24" 117 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
Olsen Phosphorus	59 ppm	*****	*****	*****	*****	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Potassium	563 ppm	*****	*****	*****	*****	N	93	N		N				
Chloride						P ₂ O ₅	10 Band (Starter)*	P ₂ O ₅		P ₂ O ₅				
Sulfur	0-6" 120 +lb/ac 6-24" 360 +lb/ac	*****	*****	*****	*****	K ₂ O	0	K ₂ O		K ₂ O				
Boron						Cl		Cl		Cl				
Zinc	2.44 ppm	*****	*****	*****	*****	S	10 Band	S		S				
Iron						B		B		B				
Manganese						Zn	0	Zn		Zn				
Copper						Fe		Fe		Fe				
Magnesium	1868 ppm	*****	*****	*****	*****	Mn		Mn		Mn				
Calcium	6230 ppm	*****	*****	*****	*****	Cu		Cu		Cu				
Sodium	115 ppm	*****	*****	*****	*****	Mg	0	Mg		Mg				
Org.Matter	4.8 %	*****	*****	*****	*****	Lime		Lime		Lime				
Carbonate(CCE)						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
						0-6"	8.2	48.7 meq	% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6" 0.72 mmho/cm 6-24" 1.13 mmho/cm	*****	*****	*****	*****	6-24"	8.5		(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
									64.0	32.0	3.0	1.0	0.0	

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

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

AGRA-GOLD

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

SOIL TEST REPORT

FIELD ID **5335**
 SAMPLE ID
 FIELD NAME **Jake Doerksen**
 COUNTY
 TWP **NW 20-8-4e** RANGE
 SECTION QTR ACRES **145**
 PREV. CROP **Wheat-Spring**

N #6

W E

SUBMITTED FOR:
Lanville Farm Puralean

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

S

REF # **3312877** BOX # **5646**
 LAB # **NW50221**

Date Sampled **08/13/2021**

Date Received **08/14/2021**

Date Reported **8/16/2021**

Nitrate	0-6"	24 lb/acre	*****				Canola-bu							
	6-24"		30 lb/acre					YIELD GOAL		YIELD GOAL				
	0-24"	54 lb/acre					60 BU							
							SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
							Band							
Olsen Phosphorus	39 ppm	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Potassium	624 ppm	*****				N	156	N		N				
Chloride						P ₂ O ₅	10	P ₂ O ₅		P ₂ O ₅				
						K ₂ O	0	K ₂ O		K ₂ O				
						Cl		Cl		Cl				
Sulfur	0-6" 6-24"	14 lb/acre 162 lb/acre	*****				S	17	S		S			
Boron							B		B		B			
Zinc	0.00 ppm						Zn	3	Zn		Zn			
Iron							Fe		Fe		Fe			
Manganese							Mn		Mn		Mn			
Copper							Cu		Cu		Cu			
Magnesium	2019 ppm		*****				Mg	0	Mg		Mg			
Calcium	4554 ppm		*****				Lime		Lime		Lime			
Sodium	82 ppm		*****											
Org.Matter	No Data													
Carbonate(CCE)														
Sol. Salts	0-6"	0.65 mmho/cm	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24"		0.84 mmho/cm	*****				0-6" 8.0			41.6 meq	% Ca	% Mg	% K
						6-24" 8.2			(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
										54.8	40.5	3.9	0.9	0.0

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

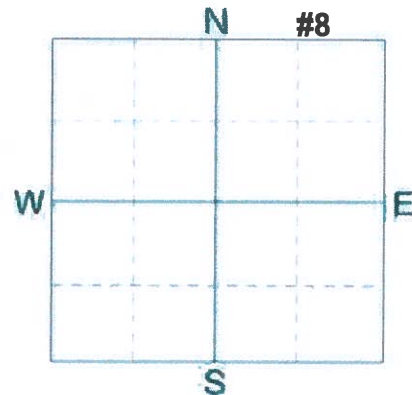
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 54 K2O = 27
 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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

SOIL TEST REPORT

FIELD ID **5341**
 SAMPLE ID
 FIELD NAME **Jake Doerksen**
 COUNTY
 TWP **SE 30-8-4e** RANGE
 SECTION **QTR** ACRES **156**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Moonfleet

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

REF # **2668346** BOX # **5207**
 LAB # **NW47724**

Date Sampled **08/23/2019** Date Received **08/25/2019** Date Reported **8/27/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Nitrate	0-6" 48 lb/ac					Canola-bu							
	6-24" 42 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL			
		*****	*****	*****	*****	60 BU							
	0-24" 90 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band							
Olsen Phosphorus	38 ppm	*****	*****	*****	*****	N	120	N		N			
Potassium	409 ppm	*****	*****	*****	*****	P ₂ O ₅	10	P ₂ O ₅		P ₂ O ₅			
Chloride						K ₂ O	0	K ₂ O		K ₂ O			
Sulfur	0-6" 16 lb/ac 6-24" 156 lb/ac	*****	*****	*****	*****	Cl		Cl		Cl			
Boron						S	15	S		S			
Zinc	2.75 ppm	*****	*****	*****	*****	B		B		B			
Iron						Zn	0	Zn		Zn			
Manganese						Fe		Fe		Fe			
Copper						Mn		Mn		Mn			
Magnesium	2037 ppm	*****	*****	*****	*****	Cu		Cu		Cu			
Calcium	5355 ppm	*****	*****	*****	*****	Mg	0	Mg		Mg			
Sodium	105 ppm	*****	*****	*****	*****	Lime		Lime		Lime			
Org.Matter	5.4 %	*****	*****	*****	*****								
Carbonate(CCE)													
Sol. Salts	0-6" 0.76 mmho/cm 6-24" 0.86 mmho/cm	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
		*****	*****	*****	*****	0-6" 8.1		45.3 meq	% Ca	% Mg	% K	% Na	% H
		*****	*****	*****	*****	6-24" 8.5			(65-75) 59.2	(15-20) 37.5	(1-7) 2.3	(0-5) 1.0	(0-5) 0.0

General Comments: Texture is not estimated on high pH soils.
 Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

AGRA-GOLD

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

SOIL TEST REPORT

FIELD ID **5366**
 SAMPLE ID
 FIELD NAME **Doerksen**
 COUNTY
 TWP **SW 29-8-4e RANGE**
 SECTION **QTR** ACRES **150**
 PREV. CROP **Wheat-Spring**

N #9

W E

SUBMITTED FOR:
Lanville Farm Puralean

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

S

REF # **3312880** BOX # **5646**
 LAB # **NW50224**

Date Sampled **08/13/2021**

Date Received **08/14/2021**

Date Reported **8/16/2021**

Nitrate	0-6"	24 lb/acre				Canola-bu							
	6-24"	21 lb/acre				YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"	45 lb/acre				60 BU							
*****					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
*****					Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	27 ppm				N	165	N		N			
Potassium		584 ppm				P ₂ O ₅	10	P ₂ O ₅		P ₂ O ₅			
							Band (Starter)*						
Chloride						K ₂ O	0	K ₂ O		K ₂ O			
Sulfur	0-6"	18 lb/acre				Cl		Cl		Cl			
	6-24"	246 lb/acre				S	15	S		S			
Boron						B		B		B			
Zinc		0.00 ppm				Zn	3	Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper						Cu		Cu		Cu			
Magnesium		2080 ppm				Mg	0	Mg		Mg			
Calcium		4728 ppm				Lime		Lime		Lime			
Sodium		76 ppm											
Org.Matter		No Data											
Carbonate(CCE)													
Sol. Salts	0-6"	0.62 mmho/cm				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24"	0.8 mmho/cm				0-6" 8.0		42.8 meq	% Ca	% Mg	% K	% Na	% H
						6-24" 8.4			(65-75) 55.2	(15-20) 40.5	(1-7) 3.5	(0-5) 0.8	(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 = 54 K2O = 27
 AGVISE Band guideline will build P & K test levels to the medium range over several years.

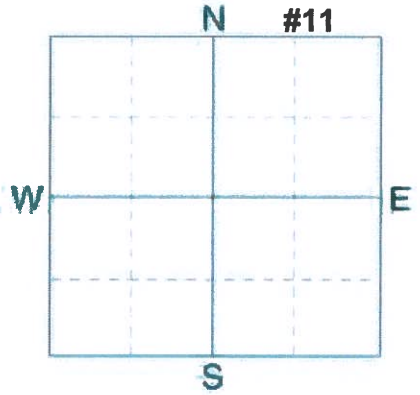


SHUR-GRO Farm Services

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

SOIL TEST REPORT

FIELD ID **PHID33**
SAMPLE ID **PHIDC19**
FIELD NAME **Ile Des Chenes**
COUNTY
TWP RANGE
SECTION QTR **W-33-8-4E** ACRES **140**
PREV. CROP **Canola-lb**



SUBMITTED FOR:
Prairie Harvest

SUBMITTED BY: **S07394**
SHUR-GRO-NIVERVILLE
21039 PREFONTAINE RD
PO BOX 642
NIVERVILLE, MB **ROA 1E0**

REF # **2667257** BOX # **5262**
LAB # **NW47338**

Date Sampled

Date Received **08/24/2019**

Date Reported **3/24/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 25 lb/ac					Canola-bu	Soybeans	Wheat-Spring				
	6-24" 30 lb/ac					YIELD GOAL	YIELD GOAL	YIELD GOAL				
Phosphorus	0-24" 55 lb/ac	*****				40 BU	40 BU	80 BU				
	Olsen 8 ppm	*****				SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES				
Potassium	0-24" 88 lb/ac	*****				Band/Maint.	Band/Maint.	Band/Maint.				
	0-6" 32 lb/ac	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Chloride	6-24" 252 lb/ac	*****				N 85	N ***	N 161				
	Boron 1.9 ppm	*****				P2O5 36 Band *	P2O5 32 Band *	P2O5 50 Band *				
Sulfur	0-24" 88 lb/ac	*****				K2O 0	K2O 0	K2O 10 Band (Starter)*				
	0-6" 32 lb/ac	*****				Cl Not Available	Cl 0	Cl 0				
Iron	6-24" 252 lb/ac	*****				S 15 Band	S 0	S 0				
	Zinc 0.68 ppm	*****				B 0	B 0	B 0				
Manganese	0-24" 88 lb/ac	*****				Zn 0	Zn 0	Zn 0				
	0-6" 32 lb/ac	*****				Fe 0	Fe 0	Fe 0				
Copper	6-24" 252 lb/ac	*****				Mn 0	Mn 0	Mn 0				
	Magnesium 2085 ppm	*****				Cu 0	Cu 0	Cu 0				
Calcium	0-24" 88 lb/ac	*****				Mg 0	Mg 0	Mg 0				
	0-6" 32 lb/ac	*****				Lime	Lime	Lime				
Sodium	6-24" 252 lb/ac	*****				Soil pH	Buffer pH	% Base Saturation (Typical Range)				
	Org.Matter 5.3 %	*****				Capacity		% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)	0-6" 0.75 mmho/cm	*****				48.2 meq		(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
	6-24" 0.85 mmho/cm	*****						61.1	36.1	2.3	0.5	0.0
Sol. Salts												

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

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

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 30 K2O = 47 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 50 K2O = 30 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



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SOIL TEST REPORT

FIELD ID **River Lot East**
 SAMPLE ID **River Lot E 2019**
 FIELD NAME **RL 588-592 East of Drain**
 COUNTY
 TWP RANGE
RL
 SECTION QTR **588-** ACRES **470**
592e

N #12
 W E
 S

SUBMITTED FOR:
Prairie Harvest

SUBMITTED BY: **S07394**
SHUR-GRO-NIVERVILLE
21039 PREFONTAINE RD
PO BOX 642
NIVERVILLE, MB ROA 1E0

REF # **2820908** BOX # **1663**
 LAB # **NW163136**

Date Sampled _____ Date Received **11/23/2019** Date Reported **11/25/2019**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
			Corn-Grain		Canola-bu		Oats				
Nitrate	0-6"	27 lb/acre	YIELD GOAL		YIELD GOAL		YIELD GOAL				
	6-24"		21 lb/acre	150 BU		40 BU		125 BU			
	0-24"	48 lb/acre	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
			Band/Maint.		Band/Maint.		Band/Maint.				
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen Phosphorus	15 ppm		N	102	N	77	N	62			
Potassium	490 ppm		P ₂ O ₅	56 Band *	P ₂ O ₅	36 Band *	P ₂ O ₅	31 Band *			
Chloride			K ₂ O	10 Band (2x2) *	K ₂ O	0	K ₂ O	10 Band (Starter)*			
	0-6"	22 lb/acre	Cl		Cl		Cl				
	6-24"		54 lb/acre	S	5 Band (Trial)	S	15 Band	S	5 Band (Trial)		
Sulfur			B		B		B				
Boron			Zn	0	Zn	0	Zn	0			
Zinc	1.39 ppm		Fe		Fe		Fe				
Iron			Mn		Mn		Mn				
Manganese			Cu		Cu		Cu				
Copper			Mg	0	Mg	0	Mg	0			
Magnesium	1430 ppm		Lime	0	Lime	0	Lime	0			
Calcium	4388 ppm		Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
Sodium	38 ppm					% Ca	% Mg	% K	% Na	% H	
Org.Matter	7.5 %		0-6" 6.8		36.5 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
Carbonate(CCE)			6-24" 7.9			60.1	32.6	3.4	0.5	3.4	
Sol. Salts	0-6" 0.81 mmho/cm										
	6-24" 0.78 mmho/cm										

General Comments: Fine-textured (CEC: 31+ meq)
 Percent hydrogen is estimated from water pH, CEC corrected for exchangeable acidity.

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 30 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 = 56 K2O = 35 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: *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 = 36 K2O = 18 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 = 31 K2O = 24 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.