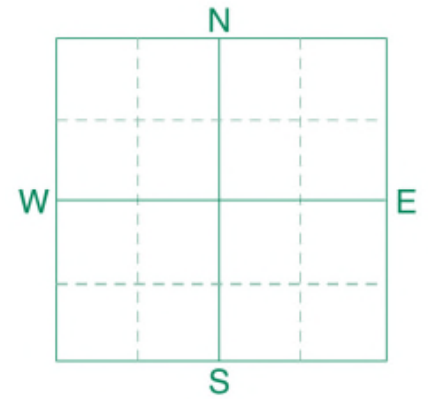




Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **2350**
 SAMPLE ID
 FIELD NAME **Johnny Bestland**
 COUNTY
 TWP **NE 21-7-1w** RANGE
 SECTION QTR ACRES **224**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2654395** BOX # **4910**
 LAB # **NW44006**

Date Sampled **08/12/2019**

Date Received **08/13/2019**

Date Reported **8/15/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 14 lb/ac					Canola-bu								
	6-24" 36 lb/ac	*****	*****			YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 50 lb/ac					60 BU								
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 43 ppm	*****	*****	*****	*****	N	160	N		N				
Potassium	691 ppm	*****	*****	*****	*****	P ₂ O ₅	10 Band (Starter)*	P ₂ O ₅		P ₂ O ₅				
Chloride						K ₂ O	0	K ₂ O		K ₂ O				
Sulfur	0-6" 32 lb/ac	*****	*****	*****	*****	Cl		Cl		Cl				
	6-24" 360 +lb/ac	*****	*****	*****	*****	S	10 Band	S		S				
Boron						B		B		B				
Zinc	5.63 ppm	*****	*****	*****	*****	Zn	0	Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper						Cu		Cu		Cu				
Magnesium	1905 ppm	*****	*****	*****	*****	Mg	0	Mg		Mg				
Calcium	5872 ppm	*****	*****	*****	*****	Lime		Lime		Lime				
Sodium	130 ppm	*****	*****	*****	*****									
Org.Matter	5.5 %	*****	*****	*****	*****									
Carbonate(CCE)														
Sol. Salts	0-6" 0.71 mmho/cm	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 1.99 mmho/cm	*****	*****	*****	*****	0-6" 7.7		47.6 meq		% Ca	% Mg	% K	% Na	% H
						6-24" 8.1				(65-75) 61.7	(15-20) 33.4	(1-7) 3.7	(0-5) 1.2	(0-5) 0.0

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

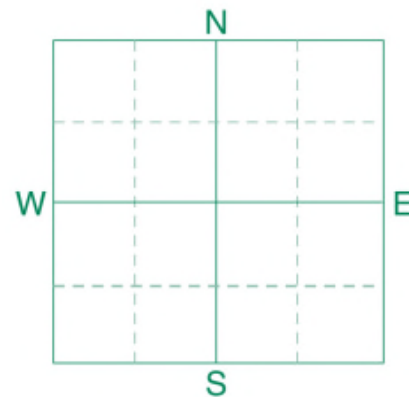
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



Soil Analysis by Agvise Laboratories
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SOIL TEST REPORT

FIELD ID **1336**
 SAMPLE ID
 FIELD NAME **Roger Bestland**
 COUNTY
 TWP **NE 22-7-1w** RANGE
 SECTION QTR ACRES **159**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2317711** BOX # **71**
 LAB # **NW36973**

Date Sampled **08/13/2018**

Date Received **08/14/2018**

Date Reported **8/15/2018**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice					
		VLow	Low	Med	High										
Nitrate	0-6" 6-24"	40 lb/ac 48 lb/ac	*****	*****	*****	Canola-bu									
	0-24"	88 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL					
						60 BU									
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
						Band									
Phosphorus	Olsen	50 ppm	*****	*****	*****	*****	LB/ACRE APPLICATION		LB/ACRE APPLICATION		LB/ACRE APPLICATION				
						N	122		N			N			
Potassium		729 ppm	*****	*****	*****	P ₂ O ₅	10	Band (Starter)*	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" 6-24"	80 lb/ac 360 +lb/ac	*****	*****	*****	S	10	Band	S			S			
						B			B			B			
Zinc		7.84 ppm	*****	*****	*****	Zn	0		Zn			Zn			
Iron						Fe			Fe			Fe			
Manganese						Mn			Mn			Mn			
Copper						Cu			Cu			Cu			
Magnesium		2124 ppm	*****	*****	*****	Mg	0		Mg			Mg			
Calcium		6366 ppm	*****	*****	*****	Lime			Lime			Lime			
Sodium		226 ppm	*****	*****	*****										
Org.Matter		6.5 %	*****	*****	*****										
Carbonate(CCE)															
Sol. Salts	0-6" 6-24"	1.39 mmho/cm 3.12 mmho/cm	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)						
						0-6" 7.5 6-24" 8.0		52.4 meq	% Ca	% Mg	% K	% Na	% H		

General Comments: Clays/Clay Loams (CEC range = 30+) (Fine)

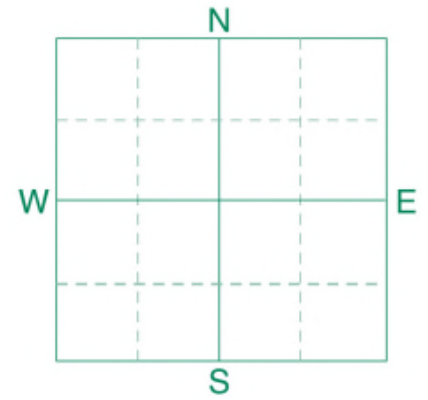
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **2351**
 SAMPLE ID
 FIELD NAME **Johnny Bestland**
 COUNTY
 TWP **NW 21-7-1w** RANGE
 SECTION QTR ACRES **157**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2654396** BOX # **4941**
 LAB # **NW44007**

Date Sampled **08/12/2019** Date Received **08/13/2019** Date Reported **8/15/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	****				Canola-bu								
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"						60 BU							
							SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
							Band							
Phosphorus	Olsen 17 ppm	*****	*****	*****	*****	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Potassium	654 ppm	*****	*****	*****	*****	N	191	N		N				
Chloride						P ₂ O ₅	24 Band *	P ₂ O ₅		P ₂ O ₅				
						K ₂ O	0	K ₂ O		K ₂ O				
Sulfur	0-6" 6-24"	*****	*****	*****	*****	Cl		Cl		Cl				
Boron						S	15 Band	S		S				
Zinc	1.61 ppm	*****	*****	*****	*****	B		B		B				
Iron						Zn	0	Zn		Zn				
Manganese						Fe		Fe		Fe				
Copper						Mn		Mn		Mn				
Magnesium	1995 ppm	*****	*****	*****	*****	Cu		Cu		Cu				
Calcium	6542 ppm	*****	*****	*****	*****	Mg	0	Mg		Mg				
Sodium	107 ppm	*****	*****	*****	*****	Lime		Lime		Lime				
Org.Matter	5.1 %	*****	*****	*****	*****	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"	7.9	51.5 meq		(65-75) 63.5	(15-20) 32.3	(1-7) 3.3	(0-5) 0.9	(0-5) 0.0
						6-24"	8.2							

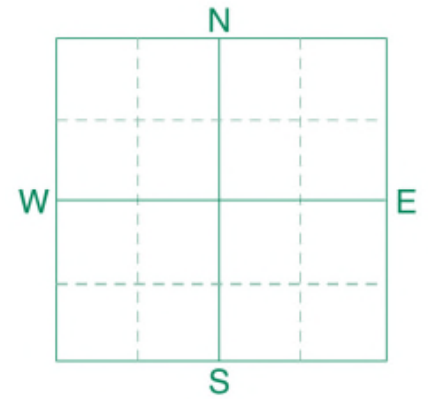
General Comments: Texture is not estimated on high pH soils.
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. **Crop Removal:** P205 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **8108**
 SAMPLE ID
 FIELD NAME **Roger Bestland**
 COUNTY
 TWP **SW 21-7-1w** RANGE
 SECTION QTR ACRES **158**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2654397** BOX # **4911**
 LAB # **NW44008**

Date Sampled **08/12/2019**

Date Received **08/13/2019**

Date Reported **8/15/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 6-24"	9 lb/ac 9 lb/ac	****			Canola-bu						
	0-24"	18 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL		
						60 BU						
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
						Band						
Phosphorus	Olsen 10 ppm	*****	*****	*****		LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Potassium	522 ppm	*****	*****	*****	*****	N 192		N		N		
Chloride						P ₂ O ₅ 45	Band *	P ₂ O ₅		P ₂ O ₅		
						K ₂ O 0		K ₂ O		K ₂ O		
Sulfur	0-6" 6-24"	18 lb/ac 252 lb/ac	*****	*****	*****	Cl		Cl		Cl		
Boron						S 15	Band	S		S		
Zinc	0.53 ppm	*****	*****			B		B		B		
Iron						Zn 2	Band (Trial)	Zn		Zn		
Manganese						Fe		Fe		Fe		
Copper						Mn		Mn		Mn		
Magnesium	1942 ppm	*****	*****	*****	*****	Cu		Cu		Cu		
Calcium	6462 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)								% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.65 mmho/cm 1.36 mmho/cm	*****	*****	*****	0-6" 7.9 6-24" 8.3	50.2 meq	(65-75) 64.4	(15-20) 32.3	(1-7) 2.7	(0-5) 0.7	(0-5) 0.0

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

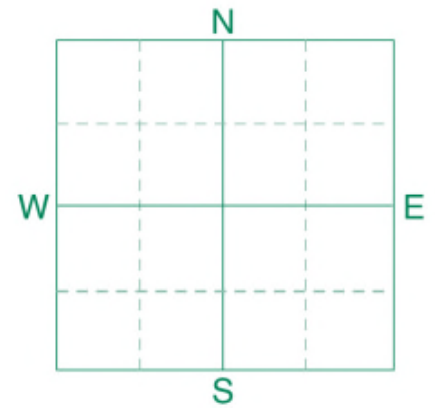
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **2023**
 SAMPLE ID
 FIELD NAME **Johnny Bestland**
 COUNTY
 TWP **SE 29-7-1w** RANGE
NE
 SECTION QTR ACRES **241**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **1949194** BOX # **0**
 LAB # **NW45465**

Date Sampled **08/18/2017**

Date Received **08/19/2017**

Date Reported **8/21/2017**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu								
Nitrate	0-6" 6-24"	**				YIELD GOAL			YIELD GOAL			YIELD GOAL		
	7 lb/ac 3 lb/ac					40 BU								
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
	10 lb/ac				Band									
					LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		
Olsen Phosphorus	12 ppm	*****	*****	*****	N	130		N			N			
Potassium	318 ppm	*****	*****	*****	P ₂ O ₅	26	Band *	P ₂ O ₅			P ₂ O ₅			
Chloride					K ₂ O	0		K ₂ O			K ₂ O			
Sulfur	0-6" 6-24"	*****	*****	*****	Cl			Cl			Cl			
	80 lb/ac 276 lb/ac	*****	*****	*****	S	10	Band	S			S			
Boron					B			B			B			
Zinc	1.35 ppm	*****	*****	*****	Zn	0		Zn			Zn			
Iron					Fe			Fe			Fe			
Manganese					Mn			Mn			Mn			
Copper					Cu			Cu			Cu			
Magnesium	1365 ppm	*****	*****	*****	Mg	0		Mg			Mg			
Calcium	5572 ppm	*****	*****	*****	Lime			Lime			Lime			
Sodium	94 ppm	*****	*****	*****										
Org.Matter	4.5 %	*****	*****	*****										
Carbonate(CCE)														
Sol. Salts	0-6"	*****	*****	*****	Soil pH	8.0		Cation Exchange Capacity	40.5 meq	% Base Saturation (Typical Range)				
	6-24"				8.4			% Ca	68.9	% Mg	28.1	% K	2.0	% Na

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

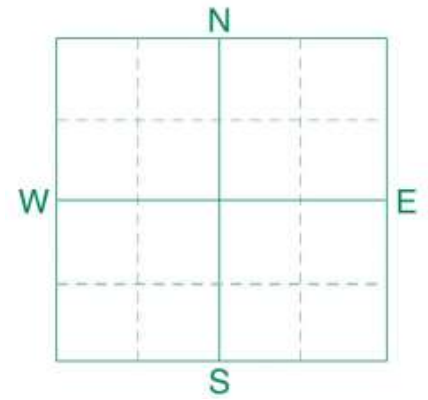
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 36 K2O = 18 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **1340**
 SAMPLE ID
 FIELD NAME **Roger Bestland**
 COUNTY
 TWP **NW 22-7-1w** RANGE
 SECTION QTR ACRES **139**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2662033** BOX # **5074**
 LAB # **NW45524**

Date Sampled **08/19/2019**

Date Received **08/20/2019**

Date Reported **8/21/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	13 lb/ac	63 lb/ac			Canola-bu				YIELD GOAL			
						YIELD GOAL		YIELD GOAL		YIELD GOAL			
						60 BU							
	0-24"	76 lb/ac				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band							
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	29 ppm				N	134	N		N			
Potassium		613 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" 6-24"	36 lb/ac	360 +lb/ac			Cl		Cl		Cl			
Boron						S	10	S		S			
Zinc		5.14 ppm				B		B		B			
Iron						Zn	0	Zn		Zn			
Manganese						Fe		Fe		Fe			
Copper						Mn		Mn		Mn			
Magnesium		1716 ppm				Cu		Cu		Cu			
Calcium		5880 ppm				Mg	0	Mg		Mg			
Sodium		169 ppm				Lime		Lime		Lime			
Org.Matter		7.2 %											
Carbonate(CCE)													
Sol. Salts	0-6" 6-24"	0.82 mmho/cm	2.57 mmho/cm										
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
									% Ca	% Mg	% K	% Na	% H
						0-6" 7.5		46.0 meq	(65-75) 63.9	(15-20) 31.1	(1-7) 3.4	(0-5) 1.6	(0-5) 0.0
						6-24" 8.0							

General Comments: Clays/Clay Loams (CEC range = 30+) (Fine)

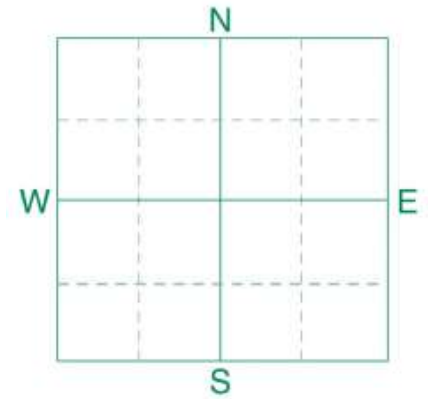
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **2345**
 SAMPLE ID
 FIELD NAME **Roger Bestland**
 COUNTY
 TWP **NW 27-7-1w** RANGE
 SECTION QTR ACRES **160**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
Bestland

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

REF # **2676916** BOX # **5610**
 LAB # **NW53774**

Date Sampled **08/29/2019** Date Received **08/31/2019** Date Reported **9/4/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 21 lb/ac					Soybeans								
	6-24" 12 lb/ac	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
						40 BU								
	0-24" 33 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen Phosphorus	33 ppm	*****	*****	*****	*****	N	***	N		N				
Potassium	559 ppm	*****	*****	*****	*****	P ₂ O ₅	10			P ₂ O ₅				
							Band (Starter)*							
Chloride						K ₂ O	0			K ₂ O				
Sulfur	0-6" 42 lb/ac	*****	*****	*****	*****	Cl				Cl				
	6-24" 360 +lb/ac	*****	*****	*****	*****	S	0			S				
Boron						B				B				
Zinc	8.76 ppm	*****	*****	*****	*****	Zn	0			Zn				
Iron						Fe				Fe				
Manganese						Mn				Mn				
Copper						Cu				Cu				
Magnesium	1664 ppm	*****	*****	*****	*****	Mg	0			Mg				
Calcium	5951 ppm	*****	*****	*****	*****	Lime				Lime				
Sodium	156 ppm	*****	*****	*****	*****									
Org.Matter	7.2 %	*****	*****	*****	*****									
Carbonate(CCE)														
Sol. Salts	0-6" 1.12 mmho/cm	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 2.56 mmho/cm	*****	*****	*****	*****	0-6" 7.5		45.7 meq		% Ca	% Mg	% K	% Na	% H
						6-24" 7.9				(65-75) 65.1	(15-20) 30.3	(1-7) 3.1	(0-5) 1.5	(0-5) 0.0

General Comments: Clays/Clay Loams (CEC range = 30+) (Fine)

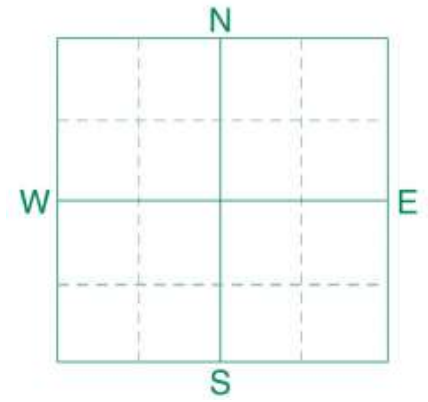
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 30 K2O = 47 AGVISE Band guidelines will build P & K test levels to the medium range over many years. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.



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

SOIL TEST REPORT

FIELD ID **2347**
 SAMPLE ID
 FIELD NAME **Roger Bestland**
 COUNTY
 TWP **SE 27-7-1w** RANGE
 SECTION QTR ACRES **109**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
Bestland

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

REF # **2676923** BOX # **5611**
 LAB # **NW53778**

Date Sampled **08/29/2019** Date Received **08/31/2019** Date Reported **9/4/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 6-24"	*****	*****	*****	*****	Soybeans						
	34 lb/ac 99 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL		
						40 BU						
	0-24"					133 lb/ac	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
						Band						
		LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 31 ppm	*****	*****	*****	*****	N	***	N		N		
Potassium	591 ppm	*****	*****	*****	*****	P ₂ O ₅	10	Band (Starter)*	P ₂ O ₅	P ₂ O ₅		
Chloride						K ₂ O	0		K ₂ O	K ₂ O		
Sulfur	0-6" 6-24"	*****	*****	*****	*****	Cl			Cl		Cl	
	120 +lb/ac 360 +lb/ac					S	0		S		S	
Boron						B			B		B	
Zinc	6.58 ppm					Zn	0		Zn		Zn	
Iron						Fe			Fe		Fe	
Manganese		Mn			Mn		Mn					
Copper		Cu			Cu		Cu					
Magnesium	1959 ppm	*****	*****	*****	*****	Mg	0		Mg			
Calcium	6603 ppm	*****	*****	*****	*****	Lime			Lime			
Sodium	238 ppm	*****	*****	*****	*****							
Org.Matter	6.1 %	*****	*****	*****	*****							
Carbonate(CCE)												
Sol. Salts	0-6"	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)			
	6-24"					6-24"	51.9 meq	% Ca	% Mg	% K	% Na	% H
	1.59 mmho/cm 3.31 mmho/cm					0-6" 7.8 6-24" 7.9		63.6	31.5	2.9	2.0	0.0

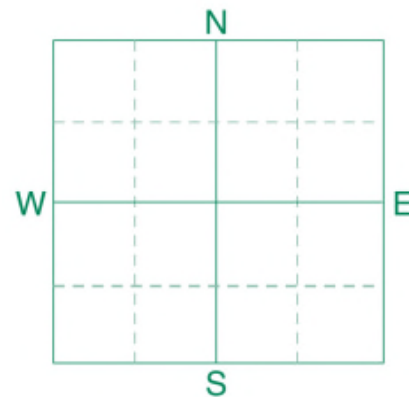
General Comments: Texture is not estimated on high pH soils.
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 30 K2O = 47 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **2344**
 SAMPLE ID
 FIELD NAME **Johnny Bestland**
 COUNTY
 TWP **SE 28-7-1w** RANGE
 SECTION QTR ACRES **239**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2326166** BOX # **327**
 LAB # **NW40123**

Date Sampled **08/17/2018**

Date Received **08/19/2018**

Date Reported **8/20/2018**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	*****				Canola-bu							
	14 lb/ac 15 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"		29 lb/ac				60 BU						
							SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
							Band						
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen 55 ppm	*****	*****	*****	*****	N	181	N		N			
Potassium	647 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" 6-24"	*****	*****	*****	*****	Cl		Cl		Cl			
	34 lb/ac 360 +lb/ac	*****	*****	*****	*****	S	10	S		S			
Boron						B		B		B			
Zinc	6.04 ppm	*****	*****	*****	*****	Zn	0	Zn		Zn			
Iron						Fe		Fe		Fe			
Manganese						Mn		Mn		Mn			
Copper						Cu		Cu		Cu			
Magnesium	2002 ppm	*****	*****	*****	*****	Mg	0	Mg		Mg			
Calcium	5014 ppm	*****	*****	*****	*****	Lime		Lime		Lime			
Sodium	132 ppm	*****	*****	*****	*****								
Org.Matter	6.2 %	*****	*****	*****	*****								
Carbonate(CCE)													
Sol. Salts	0-6"	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	1.14 mmho/cm 2.27 mmho/cm					0-6" 7.5 6-24" 8.0		44.0 meq	% Ca	% Mg	% K	% Na	% H
									(65-75) 57.0	(15-20) 37.9	(1-7) 3.8	(0-5) 1.3	(0-5)

General Comments: Clays/Clay Loams (CEC range = 30+) (Fine)

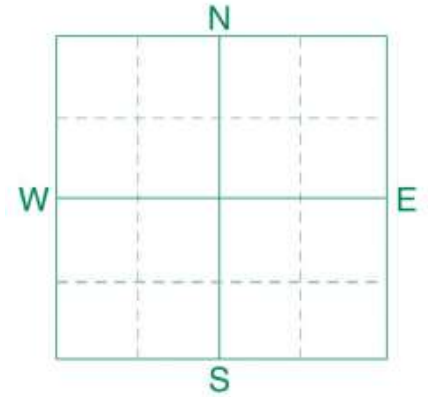
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **2346**
 SAMPLE ID
 FIELD NAME **Roger Bestland**
 COUNTY
 TWP **SW 27-7-1w** RANGE
 SECTION QTR ACRES **157**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2662031** BOX # **5074**
 LAB # **NW45522**

Date Sampled **08/19/2019** Date Received **08/20/2019** Date Reported **8/21/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 18 lb/ac					Canola-bu								
	6-24" 45 lb/ac	*****	*****			YIELD GOAL		YIELD GOAL		YIELD GOAL				
						60 BU								
	0-24" 63 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
Phosphorus	Olsen 35 ppm	*****	*****	*****	*****	N	147	N		N				
Potassium	654 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" 120 +lb/ac	*****	*****	*****	*****	Cl		Cl		Cl				
Boron	6-24" 360 +lb/ac	*****	*****	*****	*****	S	10	S		S				
Zinc	8.60 ppm					B		B		B				
Iron						Zn	0	Zn		Zn				
Manganese						Fe		Fe		Fe				
Copper						Mn		Mn		Mn				
Magnesium	2045 ppm	*****	*****	*****	*****	Cu		Cu		Cu				
Calcium	5646 ppm	*****	*****	*****	*****	Mg	0	Mg		Mg				
Sodium	206 ppm	*****	*****	*****	*****	Lime		Lime		Lime				
Org.Matter	6.0 %	*****	*****	*****	*****	Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH		Capacity		% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 1.04 mmho/cm	*****	*****	*****	*****	6-24" 6.7		47.8 meq		(65-75) 59.0	(15-20) 35.6	(1-7) 3.5	(0-5) 1.9	(0-5) 0.0

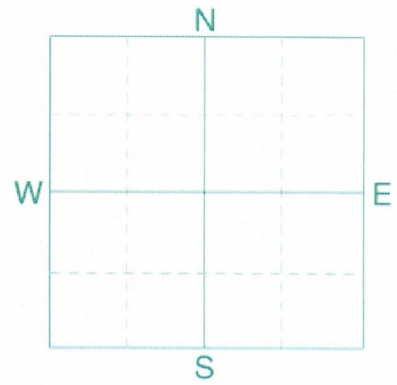
General Comments: Texture is not estimated on high pH soils.
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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SOIL TEST REPORT

FIELD ID **2332**
 SAMPLE ID
 FIELD NAME **Johnny Bestland**
 COUNTY
 TWP **E 16-7-1w** RANGE
 SECTION **QTR** ACRES **227**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Bestland

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

REF # **2657106** BOX # **4923**
 LAB # **NW44407**

Date Sampled **08/14/2019**

Date Received **08/15/2019**

Date Reported **8/17/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 13 lb/ac					Canola-bu								
	6-24" 12 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****				60 BU								
	0-24" 25 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 35 ppm	*****	*****	*****	*****	N	185	N		N				
Potassium	654 ppm	*****	*****	*****	*****	P ₂ O ₅	10	Band (Starter)*	P ₂ O ₅		P ₂ O ₅			
Chloride						K ₂ O	0		K ₂ O		K ₂ O			
Sulfur	0-6" 96 lb/ac 6-24" 222 lb/ac	*****	*****	*****	*****	Cl			Cl		Cl			
Boron						S	10	Band	S		S			
Zinc	3.82 ppm	*****	*****	*****	*****	B			B		B			
Iron						Zn	0		Zn		Zn			
Manganese						Fe			Fe		Fe			
Copper						Mn			Mn		Mn			
Magnesium	1661 ppm	*****	*****	*****	*****	Cu			Cu		Cu			
Calcium	6252 ppm	*****	*****	*****	*****	Mg	0		Mg		Mg			
Sodium	91 ppm	*****	*****			Lime			Lime		Lime			
Org. Matter	5.8 %	*****	*****	*****	*****									
Carbonate(CCE)														
Sol. Salts	0-6" 0.76 mmho/cm	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 0.81 mmho/cm	*****	*****	*****	*****	0-6" 7.5		47.2 meq		% Ca	% Mg	% K	% Na	% H
						6-24" 8.1				(65-75) 66.3	(15-20) 29.3	(1-7) 3.6	(0-5) 0.8	(0-5) 0.0

General Comments: Clays/Clay Loams (CEC range = 30+) (Fine)

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.