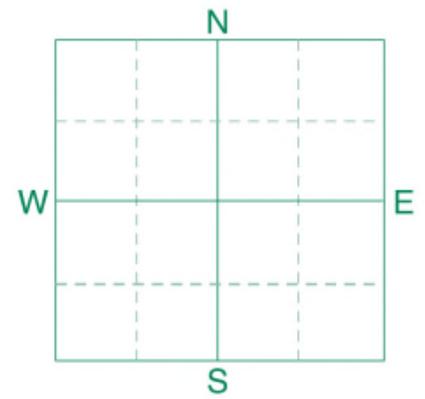




Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **5700** Field # 1
 SAMPLE ID
 FIELD NAME **Robert Dewey**
 COUNTY
 TWP **NE 32-6-1W** RANGE
 SECTION QTR ACRES **163**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Ashwood Clearview

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

REF # **2317706** BOX # **5951**
 LAB # **NW36918**

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"	34 lb/ac 21 lb/ac	*****	*****											
	0-24"	55 lb/ac				Canola-bu									
						YIELD GOAL									
						60 BU									
						SUGGESTED GUIDELINES									
Phosphorus	Olsen	7 ppm	*****	*****		Band									
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Potassium		535 ppm	*****	*****	*****	N	155	N		N					
Chloride						P ₂ O ₅	54	Band *	P ₂ O ₅		P ₂ O ₅				
						K ₂ O	0		K ₂ O		K ₂ O				
Sulfur	0-6" 6-24"	62 lb/ac 360 +lb/ac	*****	*****	*****	Cl			Cl		Cl				
						S	10	Band	S		S				
Boron						B		B		B					
Zinc		0.59 ppm	*****	*****		Zn	3	Band (Trial)	Zn		Zn				
Iron						Fe			Fe		Fe				
Manganese						Mn			Mn		Mn				
Copper						Cu			Cu		Cu				
Magnesium		2413 ppm	*****	*****	*****	Mg	0		Mg		Mg				
Calcium		6041 ppm	*****	*****	*****	Lime			Lime		Lime				
Sodium		180 ppm	*****	*****	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Org.Matter		5.0 %	*****	*****	*****	0-6"	8.2			52.5 meq	% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)						6-24"	8.5				(65-75) 57.6	(15-20) 38.3	(1-7) 2.6	(0-5) 1.5	(0-5)
Sol. Salts	0-6"	0.84 mmho/cm	*****	*****	*****										
	6-24"	1.35 mmho/cm	*****	*****	*****										

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

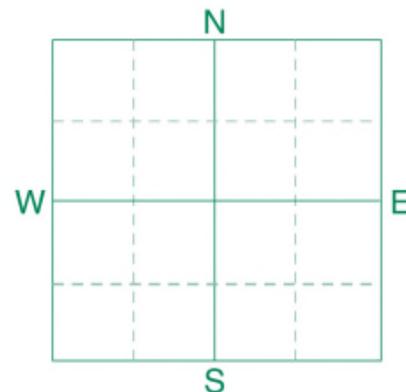
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **5710** Field # 3
 SAMPLE ID
 FIELD NAME **Sunnydale Farms Ltd**
 COUNTY
 TWP **NW 30-6-1W** RANGE
 SECTION QTR ACRES **123**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Ashwood Clearview

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

REF # **2324130** BOX # **189**
 LAB # **NW38519**

Date Sampled **08/16/2018**

Date Received **08/16/2018**

Date Reported **8/17/2018**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice						
		VLow	Low	Med	High											
Nitrate	0-6" 6-24"	44 lb/ac 39 lb/ac	*****	*****	*****	Canola-bu										
	0-24"	83 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL						
						60 BU										
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES						
Phosphorus	Olsen	17 ppm	*****	*****	*****	*****	Band									
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Sulfur	0-6" 6-24"	120 +lb/ac 360 +lb/ac	*****	*****	*****	N	127	N		N						
						P ₂ O ₅	24	P ₂ O ₅	Band *	P ₂ O ₅						
Potassium		574 ppm	*****	*****	*****	K ₂ O	0	K ₂ O		K ₂ O						
						Cl		Cl		Cl						
Chloride						S	10	S	Band	S						
						B		B		B						
Zinc		1.78 ppm	*****	*****	*****	Zn	0	Zn		Zn						
						Fe		Fe		Fe						
Iron						Mn		Mn		Mn						
						Cu		Cu		Cu						
Manganese		2611 ppm	*****	*****	*****	Mg	0	Mg		Mg						
						Lime		Lime		Lime						
Copper		6705 ppm	*****	*****	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
						0-6"	8.3			57.9 meq	% Ca	% Mg	% K	% Na	% H	
Magnesium		262 ppm	*****	*****	*****	6-24"	8.5				(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
											57.9	37.6	2.5	2.0		
Calcium		5.0 %	*****	*****	*****	Sol. Salts										
						0-6"	1.32 mmho/cm									
Sodium		2.24 mmho/cm	*****	*****	*****	6-24"	2.24 mmho/cm									
Org.Matter																
Carbonate(CCE)																

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

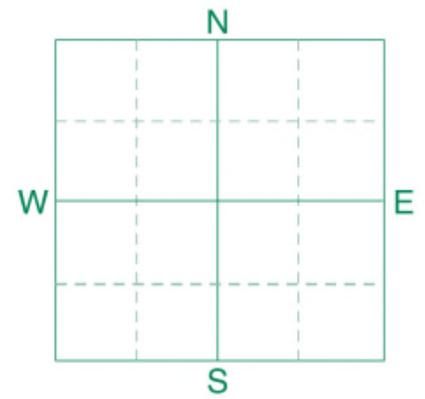
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **5728** Field # 4
 SAMPLE ID
 FIELD NAME **Sunnydale Farms Ltd**
 COUNTY
 TWP **NE 30-6-1W** RANGE
 SECTION QTR ACRES **159**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Ashwood Clearview

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

REF # **2324131** BOX # **115**
 LAB # **NW38521**

Date Sampled **08/16/2018**

Date Received **08/16/2018**

Date Reported **8/17/2018**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	49 lb/ac 33 lb/ac	*****	*****	*****	Canola-bu								
	0-24"	82 lb/ac				YIELD GOAL		YIELD GOAL		YIELD GOAL				
						60 BU								
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen	23 ppm	*****	*****	*****	N	128	N		N				
Potassium		514 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"	98 lb/ac 360 +lb/ac	*****	*****	*****	Cl		Cl		Cl				
Boron						S	10	S		S				
Zinc		2.76 ppm	*****	*****	*****	B		B		B				
Iron						Zn	0	Zn		Zn				
Manganese						Fe		Fe		Fe				
Copper						Mn		Mn		Mn				
Magnesium		2537 ppm	*****	*****	*****	Cu		Cu		Cu				
Calcium		6507 ppm	*****	*****	*****	Mg	0	Mg		Mg				
Sodium		265 ppm	*****	*****	*****	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"	1.27 mmho/cm 1.96 mmho/cm	*****	*****	*****	0-6" 8.3 6-24" 8.5		56.1 meq		(65-75) 57.9	(15-20) 37.7	(1-7) 2.3	(0-5) 2.1	(0-5)

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

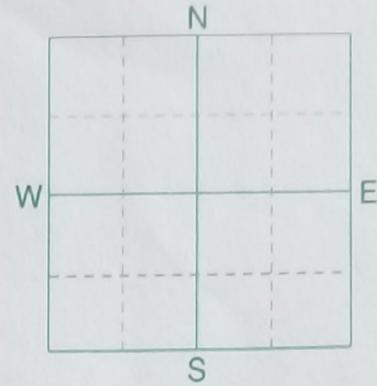
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **S1/2 30-6-1W**
 SAMPLE ID **Field # 5 & 6**
 FIELD NAME
 COUNTY
 TWP RANGE
 SECTION QTR ACRES **320**
 PREV. CROP **Corn-Grain**



SUBMITTED FOR:
DEWEY'S

SUBMITTED BY: **TE0521**
RICHARDSON PIONEER-BRUNKI
HWY 3
BOX 128
BRUNKILD, MB **ROG 0E0**

REF # **5785515** BOX # **0**
 LAB # **NW193145**

Date Sampled

Date Received **11/27/2016**

Date Reported **12/12/2016**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6"					Soybeans		Canola-bu						
	6-24"					YIELD GOAL		YIELD GOAL		YIELD GOAL				
		7 lb/ac				50 BU		60 BU						
	0-24"	39 lb/ac				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
	46 lb/ac					Band/Maint.		Band/Maint.						
Olsen	28 ppm					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus						N	***	N	164	N				
Potassium	577 ppm					P ₂ O ₅	44 Band *	P ₂ O ₅	54 Band *	P ₂ O ₅				
Chloride						K ₂ O	0	K ₂ O	0	K ₂ O				
	0-6"	120 +lb/ac				Cl		Cl		Cl				
	6-24"	360 +lb/ac				S	0	S	10 Band	S				
Sulfur						B	0	B	0	B				
Boron	2.7 ppm					Zn	0	Zn	0	Zn				
Zinc	2.46 ppm					Fe	0	Fe	0	Fe				
Iron	19.2 ppm					Mn	0	Mn	0	Mn				
Manganese	1.5 ppm					Cu	0	Cu	0	Cu				
Copper	1.84 ppm					Mg	0	Mg	0	Mg				
Magnesium	2109 ppm					Lime		Lime		Lime				
Calcium	6463 ppm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
Sodium	198 ppm									% Ca	% Mg	% K	% Na	% H
Org.Matter	4.7 %					0-6"	8.1	52.2 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
Carbonate(CCE)	8.7 %					6-24"	8.2							61.9
Sol. Salts	0-6"	1.2 mmho/cm												
	6-24"	2.64 mmho/cm												

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

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is extreme based on the salt and carbonate levels. Crop Removal: P₂O₅ = 44 K₂O = 75 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

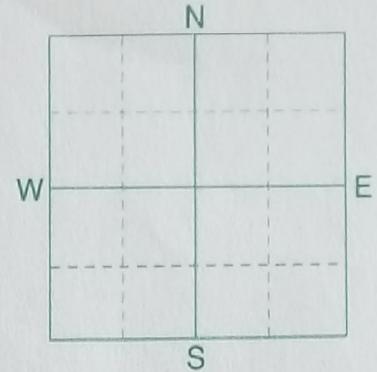
Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P₂O₅ = 54 K₂O = 27 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **SW 29-6-1W**
 SAMPLE ID **Field # 7**
 FIELD NAME
 COUNTY
 TWP RANGE
 SECTION QTR ACRES **160**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
DEWEY'S

SUBMITTED BY: **TE0521**
RICHARDSON PIONEER-BRUNKI
HWY 3
BOX 128
BRUNKILD, MB **ROG 0E0**

REF # **5785514** BOX # **0**
 LAB # **NW193144**

Date Sampled _____ Date Received **11/27/2016** Date Reported **12/12/2016**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 23 lb/ac					Soybeans		Wheat-Spring		Oats			
	6-24" 27 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL			
		*****				50 BU		80 BU		120 BU			
	0-24" 50 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.		Band/Maint.		Band/Maint.			
Olsen Phosphorus	11 ppm					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Potassium	696 ppm					N ***		N 166		N 70			
Chloride						P ₂ O ₅ 44	Band *	P ₂ O ₅ 50	Band *	P ₂ O ₅ 30	Band *		
	0-6" 82 lb/ac					K ₂ O 0		K ₂ O 10	Band (Starter)*	K ₂ O 10	Band (Starter)*		
6-24" 180 lb/ac					Cl		Cl		Cl				
Sulfur						S 0		S 0		S 0			
Boron	2.2 ppm					B 0		B 0		B 0			
Zinc	1.57 ppm					Zn 0		Zn 0		Zn 0			
Iron	20.7 ppm					Fe 0		Fe 0		Fe 0			
Manganese	1.3 ppm					Mn 0		Mn 0		Mn 0			
Copper	1.74 ppm					Cu 0		Cu 0		Cu 0			
Magnesium	2144 ppm					Mg 0		Mg 0		Mg 0			
Calcium	7107 ppm					Lime		Lime		Lime			
Sodium	126 ppm												
Org.Matter	4.7 %												
Carbonate(CCE)	8.3 %												
Sol. Salts	0-6" 0.93 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24" 0.88 mmho/cm					0-6" 8.1		55.7 meq	% Ca	% Mg	% K	% Na	% H
						6-24" 8.5			(6.5-7.5) 63.8	(15-20) 32.1	(1-7) 3.2	(0-5) 1.0	(0-5)

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

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is very high based on the salt and carbonate levels. Crop Removal: P2O5 = 44 K2O = 75 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. 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.

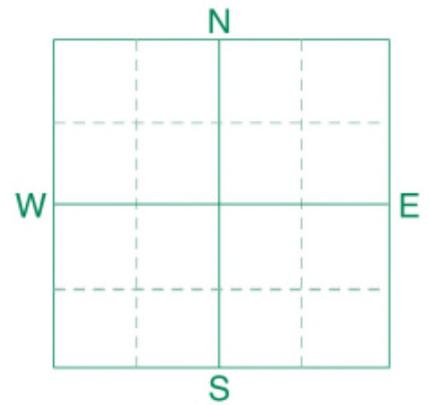
Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 30 K2O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **3625** Field # 8
 SAMPLE ID
 FIELD NAME **Dewey Farms Ltd**
 COUNTY
 TWP **NW 19-6-1W** RANGE
 SECTION QTR ACRES **143**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
AshwoodClearview FarNur

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

REF # **1949191** BOX # **0**
 LAB # **NW45478**

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	Corn-Grain								
Nitrate	0-6" 19 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	6-24" 18 lb/ac	*****				160 BU								
	0-24" 37 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
						N	155	N		N				
Phosphorus	Olsen 21 ppm	*****	*****	*****	*****	P ₂ O ₅	15 Band (2x2) *	P ₂ O ₅		P ₂ O ₅				
Potassium	506 ppm	*****	*****	*****	*****	K ₂ O	10 Band (2x2) *	K ₂ O		K ₂ O				
Chloride						Cl		Cl		Cl				
Sulfur	0-6" 120 +lb/ac	*****	*****	*****	*****	S	0	S		S				
Boron	6-24" 360 +lb/ac	*****	*****	*****	*****	B		B		B				
Zinc	1.26 ppm	*****	*****	*****	*****	Zn	2 Band (Trial)	Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper						Cu		Cu		Cu				
Magnesium	1995 ppm	*****	*****	*****	*****	Mg	0	Mg		Mg				
Calcium	6786 ppm	*****	*****	*****	*****	Lime		Lime		Lime				
Sodium	179 ppm	*****	*****	*****	*****									
Org.Matter	5.4 %	*****	*****	*****	*****									
Carbonate(CCE)														
Sol. Salts	0-6" 1.08 mmho/cm	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" 1.91 mmho/cm	*****	*****	*****	*****	0-6" 8.0		52.6 meq		% Ca	% Mg	% K	% Na	% I
						6-24" 8.3				(65-75) 64.5	(15-20) 31.6	(1-7) 2.5	(0-5) 1.5	(0-5)

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

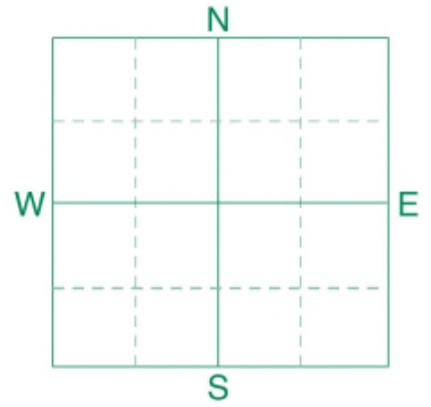
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 64 K2O = 43 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **3626** Field # 9
 SAMPLE ID
 FIELD NAME **Dewey Farms Ltd**
 COUNTY
 TWP **NE 19-6-1W** RANGE
 SECTION QTR ACRES **156**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
AshwoodClearview FarNur

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

REF # **1949185** BOX # **0**
 LAB # **NW45463**

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									
Nitrate	0-6" 35 lb/ac	*****	*****	*****	*****	Corn-Grain								
	6-24" 36 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" 71 lb/ac					160 BU								
Olsen Phosphorus 31 ppm		*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
Potassium 494 ppm		*****				Band								
Chloride						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Sulfur 106 lb/ac		*****				N	121	N		N				
Boron						P ₂ O ₅	15 Band (2x2) *	P ₂ O ₅		P ₂ O ₅				
Zinc 1.87 ppm		*****				K ₂ O	10 Band (2x2) *	K ₂ O		K ₂ O				
Iron						Cl		Cl		Cl				
Manganese						S	0	S		S				
Copper						B		B		B				
Magnesium 1805 ppm		*****				Zn	4 Band (Trial)	Zn		Zn				
Calcium 6245 ppm		*****				Fe		Fe		Fe				
Sodium 162 ppm		*****				Mn		Mn		Mn				
Org.Matter 5.8 %		*****				Cu		Cu		Cu				
Carbonate(CCE)						Mg	0	Mg		Mg				
Sol. Salts						Lime		Lime		Lime				
						Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
						0-6" 8.2		48.2 meq		% Ca	% Mg	% K	% Na	% I
						6-24" 8.5				(65-75) 64.7	(15-20) 31.2	(1-7) 2.6	(0-5) 1.5	(0-5)

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

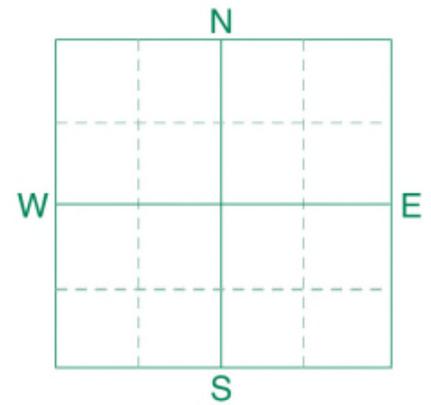
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 64 K20 = 43 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **3624** Field # 10
 SAMPLE ID
 FIELD NAME **Dewey Farms Ltd**
 COUNTY
 TWP **SW 19-6-** RANGE
1W
 SECTION QTR ACRES **152**
 PREV. CROP **Oats**



SUBMITTED FOR:
AshwoodClearview FarNur

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

REF # **1949192** BOX # **0**
 LAB # **NW45471**

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	Corn-Grain						
Nitrate	0-6" 6-24"	****				YIELD GOAL		YIELD GOAL		YIELD GOAL		
	12 lb/ac 6 lb/ac					160 BU						
	0-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
	18 lb/ac				Band							
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
	Olsen 8 ppm	*****	*****		N	174	N		N			
Phosphorus					P ₂ O ₅	56 Band *	P ₂ O ₅		P ₂ O ₅			
Potassium	489 ppm	*****	*****	*****	K ₂ O	10 Band (2x2) *	K ₂ O		K ₂ O			
Chloride					Cl		Cl		Cl			
	0-6" 6-24"	*****	*****	*****	S	0	S		S			
Sulfur	52 lb/ac 360 +lb/ac	*****	*****	*****	B		B		B			
Boron					Zn	3 Band (Trial)	Zn		Zn			
Zinc	1.08 ppm	*****	*****	*****	Fe		Fe		Fe			
Iron					Mn		Mn		Mn			
Manganese					Cu		Cu		Cu			
Copper					Mg	0	Mg		Mg			
Magnesium	1711 ppm	*****	*****	*****	Lime		Lime		Lime			
Calcium	6786 ppm	*****	*****	*****								
Sodium	113 ppm	*****	*****	*****								
Org.Matter	5.3 %	*****	*****	*****								
Carbonate(CCE)												
	0-6" 6-24"	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	0.78 mmho/cm 1.8 mmho/cm	*****	*****	*****	0-6" 8.2 6-24" 8.3		49.9 meq	% Ca	% Mg	% K	% Na	% I
Sol. Salts		*****	*****	*****				(65-75) 68.0	(15-20) 28.6	(1-7) 2.5	(0-5) 1.0	(0-5)

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

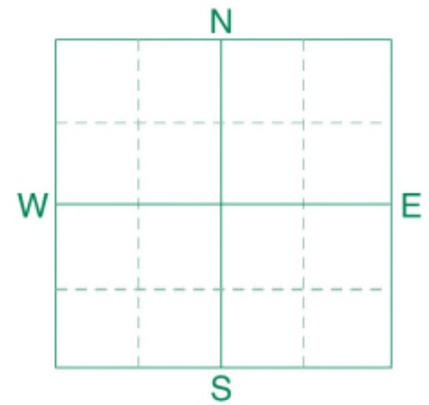
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 64 K2O = 43 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **3627** Field # 11
 SAMPLE ID
 FIELD NAME **Dewey Farms Ltd**
 COUNTY
 TWP **SE 19-6-1W RANGE**
 SECTION QTR ACRES **153**
 PREV. CROP **Oats**



SUBMITTED FOR:
AshwoodClearview FarNur

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

REF # **1949193** BOX # **0**
 LAB # **NW45475**

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	Corn-Grain							
Nitrate	0-6" 15 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	6-24" 15 lb/ac	*****				160 BU							
	0-24" 30 lb/ac					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band							
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
	Olsen 12 ppm	*****	*****	*****		N	162	N		N			
Phosphorus						P ₂ O ₅	40 Band *	P ₂ O ₅		P ₂ O ₅			
Potassium	499 ppm	*****	*****	*****	*****	K ₂ O	10 Band (2x2) *	K ₂ O		K ₂ O			
Chloride						Cl		Cl		Cl			
	0-6" 120 +lb/ac	*****	*****	*****	*****	S	0	S		S			
Sulfur	6-24" 360 +lb/ac	*****	*****	*****	*****	B		B		B			
Boron						Zn	3 Band (Trial)	Zn		Zn			
Zinc	1.40 ppm	*****	*****	*****	*****	Fe		Fe		Fe			
Iron						Mn		Mn		Mn			
Manganese						Cu		Cu		Cu			
Copper						Mg	0	Mg		Mg			
Magnesium	2009 ppm	*****	*****	*****	*****	Lime		Lime		Lime			
Calcium	6706 ppm	*****	*****	*****	*****								
Sodium	196 ppm	*****	*****	*****	*****								
Org.Matter	5.6 %	*****	*****	*****	*****								
Carbonate(CCE)													
	0-6" 0.92 mmho/cm	*****	*****	*****	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24" 1.85 mmho/cm	*****	*****	*****	*****	0-6" 8.1		52.4 meq	% Ca	% Mg	% K	% Na	% I
Sol. Salts						6-24" 8.4			(65-75) 64.0	(15-20) 31.9	(1-7) 2.4	(0-5) 1.6	(0-5)

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

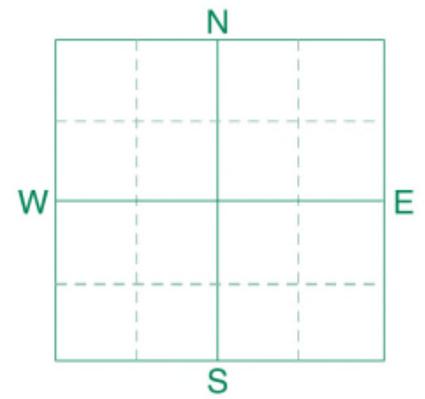
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 64 K2O = 43 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

SOIL TEST REPORT

FIELD ID **5703** Field # 12
 SAMPLE ID
 FIELD NAME **Dewey Farms Ltd**
 COUNTY
 TWP **NW 20-6-1W** RANGE
 SECTION QTR ACRES **80**
 PREV. CROP **Oats**



SUBMITTED FOR:
Ashwood Clearview

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

REF # **2326168** BOX # **397**
 LAB # **NW40113**

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" 53 lb/ac					Canola-bu										
	6-24" 51 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL						
	0-24" 104 lb/ac	*****	*****	*****	*****	60 BU										
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES						
Phosphorus	Olsen 7 ppm	*****	*****			Band										
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Potassium	449 ppm	*****	*****	*****	*****	N 106		N		N						
Chloride						P ₂ O ₅ 54	Band *	P ₂ O ₅		P ₂ O ₅						
						K ₂ O 0		K ₂ O		K ₂ O						
Sulfur	0-6" 120 +lb/ac	*****	*****	*****	*****	Cl		Cl		Cl						
	6-24" 360 +lb/ac	*****	*****	*****	*****	S 10	Band	S		S						
Boron						B		B		B						
Zinc	0.66 ppm	*****	*****	*		Zn 3	Band (Trial)	Zn		Zn						
Iron						Fe		Fe		Fe						
Manganese						Mn		Mn		Mn						
Copper						Cu		Cu		Cu						
Magnesium	2036 ppm	*****	*****	*****	*****	Mg 0		Mg		Mg						
Calcium	6517 ppm	*****	*****	*****	*****	Lime		Lime		Lime						
Sodium	287 ppm	*****	*****	*****	*****	Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Org.Matter	5.1 %	*****	*****	*****	*							% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)						0-6" 8.2		52.0 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)			
Sol. Salts	0-6" 2.1 mmho/cm 6-24" 2.44 mmho/cm	*****	*****	*****	*****	6-24" 8.5			62.7	32.7	2.2	2.4				

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

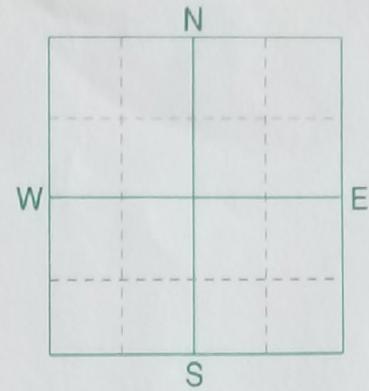
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field, Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band guidelines will build P & K test levels to the medium 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 **SE 20-6-1W**
 SAMPLE ID **Field # 13**
 FIELD NAME
 COUNTY
 TWP RANGE
 SECTION QTR ACRES **160**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
DEWEY'S

SUBMITTED BY: **TE0521**
RICHARDSON PIONEER-BRUNKI
HWY 3
BOX 128
BRUNKILD, MB **ROG 0E0**

REF # **5785513** BOX # **0**
 LAB # **NW193143**

Date Sampled _____ Date Received **11/27/2016** Date Reported **12/12/2016**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 7 lb/ac					Soybeans		Canola-bu					
	6-24" 36 lb/ac					YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24" 43 lb/ac					50 BU		60 BU					
Phosphorus	Olsen 8 ppm					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	Potassium 550 ppm					Band/Maint.		Band/Maint.					
Sulfur	0-6" 120 +lb/ac					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
	6-24" 360 +lb/ac					N ***		N 167		N			
Boron	2.4 ppm					P ₂ O ₅ 44	Band *	P ₂ O ₅ 54	Band *	P ₂ O ₅			
Zinc	0.98 ppm					K ₂ O 0		K ₂ O 0		K ₂ O			
Iron	20.7 ppm					Cl		Cl		Cl			
Manganese	1.9 ppm					S 0		S 10	Band	S			
Copper	1.94 ppm					B 0		B 0		B			
Magnesium	2053 ppm					Zn 3	Band (Trial)	Zn 3	Band (Trial)	Zn			
Calcium	6732 ppm					Fe 0		Fe 0		Fe			
Sodium	205 ppm					Mn 0		Mn 0		Mn			
Org. Matter	4.1 %					Cu 0		Cu 0		Cu			
Carbonate(CCE)	8.7 %					Mg 0		Mg 0		Mg			
Sol. Salts	0-6" 1.18 mmho/cm					Lime		Lime		Lime			
	6-24" 2.74 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
						0-6" 8.1		53.1 meq	% Ca (6.5-7.5)	% Mg (1.5-2.0)	% K (1-7)	% Na (0-5)	% H (0-5)
						6-24" 8.1			63.4	32.2	2.7	1.7	

General Comments: Texture is not estimated on high pH soils.
 Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is extreme based on the salt and carbonate levels. Crop Removal: P2O5 = 44 K2O = 75 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.
 Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 27 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.