AGVISE LABORATORIES

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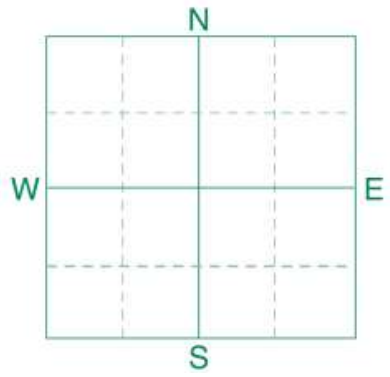
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 36 229 North NE**
Field Name: **NE-3-18-3E** A1
Sample ID: **1**
County: **Gimli RM** Section: **3**
Township: **18** Quarter: **E**
Range: **3E** Acres: **305**
Previous Crop:



Ref #: **5956686**
Box #: **10427**
Lab #: **NW190838**

SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Date Sampled: **10/16/2025** Date Received: **10/18/2025** Date Reported: **10/23/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **11 lb/acre** **6-24"** **21 lb/acre** **0-24"** **32 lb/acre** Nitrate		****** ******	****** ******	*****	
Olsen Phosphorus	**19 ppm**	******	******	******	******
Potassium	**124 ppm**	******	******	***	
0-24" Chloride	**172 lb/acre**	******	******	******	******
0-6" **12 lb/acre** **6-24"** **102 lb/acre** Sulfur		****** ******	**** ******	******	******
Boron	**1.2 ppm**	******	******	******	
Zinc	**0.85 ppm**	******	******	****	
Iron	**21.3 ppm**	******	******	******	******
Manganese	**2.0 ppm**	******	******	******	
Copper	**0.52 ppm**	******	******		
Magnesium	**672 ppm**	******	******	******	******
Calcium	**4253 ppm**	******	******	******	******
Sodium	**20 ppm**	***			
Org. Matter	**3.8 %**	******	******	***	
Carbonate (CCE)	**6.7 %**	******	******	******	**
0-6" **0.28 mmho/cm** **6-24"** **0.27 mmho/cm** Sol. Salts		****** ******	*		

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Canola-bu			Wheat-Spring			Soybeans		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
50 BU			65 BU			40 BU		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Band/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**143**		N	**144**		N	*******	
P_2O_5	**45**	**Band ***	P_2O_5	**41**	**Band ***	P_2O_5	**30**	**Band ***
K_2O	**26**	**Band ***	K_2O	**35**	**Band ***	K_2O	**47**	**Band ***
Cl		**Not Available**	Cl	**0**		Cl	**0**	
S	**17**	**Band**	S	**0**		S	**7**	**Band (Trial)**
B	**0**		B	**0**		B	**0**	
Zn	**1**	**Band**	Zn	**0**		Zn	**0**	
Fe	**0**		Fe	**0**		Fe	**0**	
Mn	**0**		Mn	**0**		Mn	**0**	
Cu	**0**		Cu	**1**	**Band (Trial)**	Cu	**0**	
Mg	**0**		Mg	**0**		Mg	**0**	
Lime	**0**		Lime	**0**		Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.4**		**27.3 meq**	(65-75) **78.0**	(15-20) **20.5**	(1-7) **1.2**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
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Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: Field 36 229 North SE
Field Name: SE-3-18-3E
Sample ID: 1
County: Gimli RM
Township: 18
Range: 3E
Previous Crop:
Section: 3
Quarter: E
Acres: 305

A2

SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE AG8273
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: 5956685
Box #: 10470
Lab #: NW190837

Date Sampled: 10/16/2025 Date Received: 10/18/2025 Date Reported: 10/23/2025

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24" 0-24" Nitrate	12 lb/acre 27 lb/acre 39 lb/acre	******	******	******	
Olsen Phosphorus	10 ppm	******	******	****	
Potassium	108 ppm	******	******	*	
0-24" Chloride	204 lb/acre	******	******	******	******
0-6" 6-24" Sulfur	14 lb/acre 90 lb/acre	****** ******	****** ******	******	******
Boron	1.5 ppm	******	******	******	****
Zinc	0.89 ppm	******	******	****	
Iron	16.4 ppm	******	******	******	******
Manganese	2.7 ppm	******	******	******	*
Copper	0.42 ppm	******	***		
Magnesium	667 ppm	******	******	******	******
Calcium	3880 ppm	******	******	******	******
Sodium	14 ppm	**			
Org. Matter	3.8 %	******	******	***	
Carbonate (CCE)	10.1 %	******	******	******	******
0-6" 6-24" Sol. Salts	0.22 mmho/cm 0.26 mmho/cm	***** ******			

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Canola-bu			Wheat-Spring			Soybeans		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
50 BU			65 BU			40 BU		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Band/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	136		N	137		N	***	
P_2O_5	45	Band *	P_2O_5	41	Band *	P_2O_5	30	Band *
K_2O	34	Band *	K_2O	42	Band *	K_2O	47	Band *
Cl		Not Available	Cl	0		Cl	0	
S	17	Band	S	0		S	7	Band (Trial)
B	0		B	0		B	0	
Zn	1	Band	Zn	0		Zn	0	
Fe	0		Fe	0		Fe	0	
Mn	0		Mn	0		Mn	0	
Cu	0		Cu	2	Band	Cu	0	
Mg	0		Mg	0		Mg	0	
Lime	0		Lime	0		Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.4 6-24" 8.5		25.3 meq	(65-75) 76.7	(15-20) 22.0	(1-7) 1.1	(0-5) 0.2	(0-5) 0.0

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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SOIL TEST REPORT

Field ID: Field 31 Renkin
Field Name: NE-33-17-3E
B
Sample ID: 1
County: Rockwood RM
Section: 33
Township: 17
Quarter: NE
Range: 3E
Acres: 75
Previous Crop: Wheat-Spring

SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE AG8273
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: 5804966
Box #: 5850
Lab #: NW96070

Date Sampled: 9/13/2025 Date Received: 9/16/2025 Date Reported: 9/17/2025

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24" 0-24" Nitrate	29 lb/acre 15 lb/acre 44 lb/acre	******	******	******	******
Olsen Phosphorus	15 ppm	******	******	******	******
Potassium	141 ppm	******	******	*****	
0-24" Chloride	140 lb/acre	******	******	******	******
0-6" 6-24" Sulfur	16 lb/acre 78 lb/acre	****** ******	****** ******	******	******
Boron	1.4 ppm	******	******	******	**
Zinc	0.78 ppm	******	******	***	
Iron	18.0 ppm	******	******	******	******
Manganese	1.3 ppm	******	******	**	
Copper	0.57 ppm	******	******	*	
Magnesium	990 ppm	******	******	******	******
Calcium	5101 ppm	******	******	******	******
Sodium	25 ppm	****			
Org. Matter	5.3 %	******	******	******	***
Carbonate (CCE)	7.2 %	******	******	******	***
0-6" 6-24" Sol. Salts	0.35 mmho/cm 0.27 mmho/cm	****** ******	**		

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Beans-Pinto			Beans-Pinto			Beans-Pinto		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
2000 LBS			2200 LBS			2400 LBS		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Broadcast/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	36		N	44		N	52	
P_2O_5	28	Band *	P_2O_5	42	Broadcast	P_2O_5	34	Band *
K_2O	28	Band *	K_2O	36	Broadcast	K_2O	34	Band *
Cl	0		Cl	0		Cl	0	
S	5	Band (Trial)	S	10	Broadcast (Trial)	S	5	Band (Trial)
B	0		B	0		B	0	
Zn	1	Band	Zn	3	Broadcast	Zn	2	Band
Fe	0		Fe	0		Fe	0	
Mn	0		Mn	0		Mn	0	
Cu	0		Cu	0		Cu	0	
Mg	0		Mg	0		Mg	0	
Lime	0		Lime	0		Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.4 6-24" 8.6		34.2 meq	(65-75) 74.5	(15-20) 24.1	(1-7) 1.1	(0-5) 0.3	(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: P_2O_5 = 28 K_2O = 28 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 31 K_2O = 31 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 34 K_2O = 34 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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

SOIL TEST REPORT

Field ID: Field 32 Gravel West
Field Name: NW-34-17-3E
Sample ID: 1
County: St. Andrews RM
Township: 17
Range: 3E
Section: 34
Quarter: NW
Acres: 210
Previous Crop: Wheat-Spring

C1

SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE AG8273
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: 5804964
Box #: 5850
Lab #: NW96069

Date Sampled: 9/14/2025 Date Received: 9/16/2025 Date Reported: 9/17/2025

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 23 lb/acre 6-24" 36 lb/acre 0-24" 59 lb/acre Nitrate		******	******	******	******
Olsen Phosphorus	9 ppm	******	******	**	
Potassium	155 ppm	******	******	******	
0-24" Chloride	108 lb/acre	******	******	******	******
0-6" 18 lb/acre 6-24" 54 lb/acre Sulfur		****** ******	****** ******	* ******	 ******
Boron	1.5 ppm	******	******	******	****
Zinc	0.92 ppm	******	******	*****	
Iron	13.9 ppm	******	******	******	******
Manganese	1.7 ppm	******	******	****	
Copper	0.32 ppm	******			
Magnesium	756 ppm	******	******	******	******
Calcium	4501 ppm	******	******	******	******
Sodium	21 ppm	***			
Org. Matter	4.2 %	******	******	*****	
Carbonate (CCE)	6.4 %	******	******	******	**
0-6" 0.28 mmho/cm 6-24" 0.17 mmho/cm Sol. Salts		****** ****	*		

1st Crop Choice		
Beans-Pinto		
YIELD GOAL		
2000 LBS		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	21	
P_2O_5	31	Band *
K_2O	28	Band *
Cl	0	
S	5	Band (Trial)
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Beans-Pinto		
YIELD GOAL		
2200 LBS		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	29	
P_2O_5	63	Broadcast
K_2O	31	Broadcast
Cl	0	
S	10	Broadcast (Trial)
B	0	
Zn	3	Broadcast
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Beans-Pinto		
YIELD GOAL		
2400 LBS		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	37	
P_2O_5	38	Band *
K_2O	34	Band *
Cl	0	
S	5	Band (Trial)
B	0	
Zn	2	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.4 6-24" 8.7		29.3 meq	(65-75) 76.8	(15-20) 21.5	(1-7) 1.4	(0-5) 0.3	(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: P_2O_5 = 28 K_2O = 28 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 31 K_2O = 31 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 34 K_2O = 34 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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

SOIL TEST REPORT

C2

Field ID: Field 32 Gravel Field Eas
Field Name: NE-34-17-3E
Sample ID: 1
County: St. Andrews RM
Section: 34
Township: 17
Quarter: NE
Range: 3E
Acres: 90
Previous Crop: Wheat-Spring

SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE AG8273
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: 5804963
Box #: 5811
Lab #: NW96068

Date Sampled: 9/14/2025 Date Received: 9/16/2025 Date Reported: 9/17/2025

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	16 lb/acre				
6-24" Nitrate	27 lb/acre				
0-24" Nitrate	43 lb/acre	******	******	******	*****
Olsen Phosphorus	6 ppm	******	****		
Potassium	150 ppm	******	******	******	
0-24" Chloride	276 lb/acre	******	******	******	******
0-6" Sulfur	22 lb/acre	******	******	***	
6-24" Sulfur	216 lb/acre	******	******	******	******
Boron	1.7 ppm	******	******	******	******
Zinc	0.81 ppm	******	******	***	
Iron	18.4 ppm	******	******	******	******
Manganese	2.3 ppm	******	******	******	*
Copper	0.55 ppm	******	******	*	
Magnesium	975 ppm	******	******	******	******
Calcium	5068 ppm	******	******	******	******
Sodium	34 ppm	*****			
Org. Matter	5.0 %	******	******	******	**
Carbonate (CCE)	11.6 %	******	******	******	******
0-6" Sol. Salts	0.35 mmho/cm	******	**		
6-24" Sol. Salts	0.41 mmho/cm	******	****		

1st Crop Choice		
Beans-Pinto		
YIELD GOAL		
2000 LBS		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	37	
P_2O_5	36	Band *
K_2O	28	Band *
Cl	0	
S	5	Band (Trial)
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Beans-Pinto		
YIELD GOAL		
2000 LBS		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	37	
P_2O_5	36	Band *
K_2O	28	Band *
Cl	0	
S	5	Band (Trial)
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Beans-Pinto		
YIELD GOAL		
2400 LBS		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	53	
P_2O_5	43	Band *
K_2O	34	Band *
Cl	0	
S	5	Band (Trial)
B	0	
Zn	2	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.5 6-24" 8.6		34 meq	(65-75) 74.5	(15-20) 23.9	(1-7) 1.1	(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: P_2O_5 = 28 K_2O = 28 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 28 K_2O = 28 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 34 K_2O = 34 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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Benson: (320) 843-4109

SOIL TEST REPORT

D1

Field ID: Field 34 Shoe
Field Name: N-NW-35-17-3E
Sample ID: 6LKD-L7YM
County: St. Andrews RM
Section: 35
Township: 17
Quarter: NNW
Range: 3E
Acres: 72
Previous Crop: Canola-bu

SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE AG8273
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: 5991793
Box #: 928
Lab #: NW219709

Date Sampled: 10/25/2025 Date Received: 10/30/2025 Date Reported: 10/31/2025

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" / 6-24" Nitrate	6 lb/acre / 54 lb/acre				
0-24" Nitrate	60 lb/acre	******	******	******	******
Olsen Phosphorus	10 ppm	******	******	****	
Potassium	123 ppm	******	******	***	
0-24" Chloride	96 lb/acre	******	******	******	******
0-6" / 6-24" Sulfur	16 lb/acre / 96 lb/acre	****** / ******	****** / ******	******	******
Boron	1.2 ppm	******	******	******	
Zinc	0.53 ppm	******	*****		
Iron	15.7 ppm	******	******	******	******
Manganese	1.5 ppm	******	******	***	
Copper	0.86 ppm	******	******	******	
Magnesium	1046 ppm	******	******	******	******
Calcium	4963 ppm	******	******	******	******
Sodium	24 ppm	****			
Org. Matter	2.9 %	******	******		
Carbonate (CCE)	8.7 %	******	******	******	****
0-6" / 6-24" Sol. Salts	0.33 mmho/cm / 0.29 mmho/cm	****** / ******	** / *		

1st Crop Choice		
Beans-Pinto		
YIELD GOAL		
2000 LBS		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	29	
P_2O_5	54	Broadcast
K_2O	41	Broadcast
Cl	0	
S	15	Broadcast (Trial)
B	0	
Zn	4	Broadcast
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Beans-Pinto		
YIELD GOAL		
2500 LBS		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	40	
P_2O_5	68	Broadcast
K_2O	51	Broadcast
Cl	0	
S	15	Broadcast (Trial)
B	0	
Zn	6	Broadcast
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Beans-Pinto		
YIELD GOAL		
3000 LBS		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	60	
P_2O_5	81	Broadcast
K_2O	61	Broadcast
Cl	0	
S	15	Broadcast (Trial)
B	0	
Zn	6	Broadcast
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.4 6-24" 8.7		34 meq	(65-75) 73.1	(15-20) 25.7	(1-7) 0.9	(0-5) 0.3	(0-5) 0.0

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

Crop 1: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 28 K_2O = 28 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 35 K_2O = 35 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

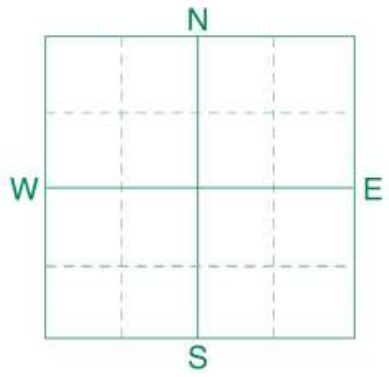
Crop 3: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 42 K_2O = 42 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 33 Willis**
Field Name: **SW-35-17-3E** D2
Sample ID: **EXMM-7CS4**
County: **St. Andrews RM** Section: **35**
Township: **17** Quarter: **SW**
Range: **3E** Acres: **150**
Previous Crop: **Canola-bu**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5991794**
Box #: **1089**
Lab #: **NW219689**

Date Sampled: **10/25/2025** Date Received: **10/30/2025** Date Reported: **10/31/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" / 6-24" Nitrate	13 lb/acre / 66 lb/acre 0-24": 79 lb/acre	******	******	******	******
Olsen Phosphorus	10 ppm	******	******	****	
Potassium	201 ppm	******	******	******	******
0-24" Chloride	132 lb/acre	******	******	******	******
0-6" / 6-24" Sulfur	16 lb/acre / 54 lb/acre	****** / ******	****** / ******	******	******
Boron	1.4 ppm	******	******	******	**
Zinc	0.55 ppm	******	*****		
Iron	20.8 ppm	******	******	******	******
Manganese	1.8 ppm	******	******	*****	
Copper	1.25 ppm	******	******	******	*
Magnesium	1349 ppm	******	******	******	******
Calcium	5596 ppm	******	******	******	******
Sodium	25 ppm	****			
Org. Matter	4.7 %	******	******	******	
Carbonate (CCE)	9.1 %	******	******	******	*****
0-6" / 6-24" Sol. Salts	0.39 mmho/cm / 0.43 mmho/cm	****** / ******	*** / ****		

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Beans-Pinto			Beans-Pinto			Beans-Pinto		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
2000 LBS			2500 LBS			3000 LBS		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast/Maint.			Broadcast/Maint.			Broadcast/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	22		N	22		N	41	
P_2O_5	54	Broadcast	P_2O_5	68	Broadcast	P_2O_5	81	Broadcast
K_2O	28	Broadcast	K_2O	35	Broadcast	K_2O	42	Broadcast
Cl	0		Cl	0		Cl	0	
S	10	Broadcast (Trial)	S	10	Broadcast (Trial)	S	10	Broadcast (Trial)
B	0		B	0		B	0	
Zn	4	Broadcast	Zn	6	Broadcast	Zn	6	Broadcast
Fe	0		Fe	0		Fe	0	
Mn	0		Mn	0		Mn	0	
Cu	0		Cu	0		Cu	0	
Mg	0		Mg	0		Mg	0	
Lime	0		Lime	0		Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.5**		**39.8 meq**	(65-75) **70.2**	(15-20) **28.2**	(1-7) **1.3**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 28 K_2O = 28 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 35 K_2O = 35 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 42 K_2O = 42 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

AGVISE LABORATORIES

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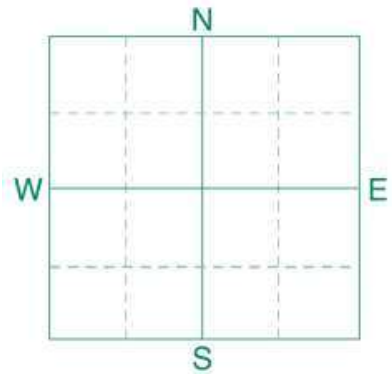
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 28 Shed SW** E1
Field Name: **SW-29-17-3E**
Sample ID: **1**
County: **Rockwood RM** Section: **29**
Township: **17** Quarter: **SE & SW**
Range: **3E** Acres: **265**
Previous Crop:



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5956679**
Box #: **10427**
Lab #: **NW190831**

Date Sampled: **10/16/2025** Date Received: **10/18/2025** Date Reported: **10/23/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**9 lb/acre**				
6-24"	**18 lb/acre**				
0-24"	**27 lb/acre**	******	*****		
Olsen Phosphorus	**12 ppm**	******	******	******	
Potassium	**88 ppm**	******	*****		
0-24" Chloride	**340 lb/acre**	******	******	******	******
0-6" Sulfur	**10 lb/acre**	******	***		
6-24"	**156 lb/acre**	******	******	******	******
Boron	**1.3 ppm**	******	******	******	*
Zinc	**0.93 ppm**	******	******	*****	
Iron	**16.7 ppm**	******	******	******	******
Manganese	**2.4 ppm**	******	******	******	*
Copper	**0.39 ppm**	******	***		
Magnesium	**537 ppm**	******	******	******	******
Calcium	**4342 ppm**	******	******	******	******
Sodium	**18 ppm**	***			
Org. Matter	**4.1 %**	******	******	****	
Carbonate (CCE)	**8.3 %**	******	******	******	****
0-6" Sol. Salts	**0.25 mmho/cm**	******			
6-24"	**0.23 mmho/cm**	******			

1st Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**148**	
P_2O_5	**45**	**Band ***
K_20	**44**	**Band ***
Cl		**Not Available**
S	**17**	**Band**
B	**0**	
Zn	**1**	**Band**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**149**	
P_2O_5	**41**	**Band ***
K_20	**51**	**Band ***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**2**	**Band**
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_20	**47**	**Band ***
Cl	**0**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.6**		**26.5 meq**	(65-75) **82.0**	(15-20) **16.9**	(1-7) **0.9**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

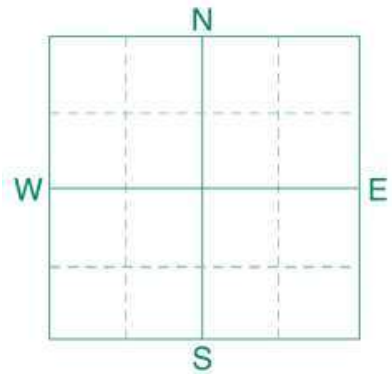
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 28 Shed SE**
Field Name: **SE-29-17-3E** E2
Sample ID: **1**
County: **Rockwood RM** Section: **29**
Township: **17** Quarter: **SE & SW**
Range: **3E** Acres: **265**
Previous Crop:



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5956678**
Box #: **10427**
Lab #: **NW190830**

Date Sampled: **10/16/2025** Date Received: **10/18/2025** Date Reported: **10/23/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**17 lb/acre**				
6-24"	**15 lb/acre**				
0-24"	**32 lb/acre**	******	******	*****	
Olsen Phosphorus	**11 ppm**	******	******	******	
Potassium	**105 ppm**	******	******		
0-24" Chloride	**324 lb/acre**	******	******	******	******
0-6" Sulfur	**12 lb/acre**	******	****		
6-24"	**84 lb/acre**	******	******	******	******
Boron	**1.2 ppm**	******	******	******	
Zinc	**1.24 ppm**	******	******	******	*
Iron	**15.3 ppm**	******	******	******	******
Manganese	**2.3 ppm**	******	******	******	*
Copper	**0.38 ppm**	******	**		
Magnesium	**521 ppm**	******	******	******	******
Calcium	**4007 ppm**	******	******	******	******
Sodium	**18 ppm**	***			
Org. Matter	**3.5 %**	******	******	**	
Carbonate (CCE)	**6.1 %**	******	******	******	*
0-6" Sol. Salts	**0.21 mmho/cm**	*****			
6-24"	**0.28 mmho/cm**	******	*		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**143**	
P_2O_5	**45**	**Band ***
K_2O	**35**	**Band ***
Cl		**Not Available**
S	**17**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**144**	
P_2O_5	**41**	**Band ***
K_2O	**43**	**Band ***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**2**	**Band**
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**47**	**Band ***
Cl	**0**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.4** 6-24" **8.4**		**24.7 meq**	(65-75) **81.0**	(15-20) **17.6**	(1-7) **1.1**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

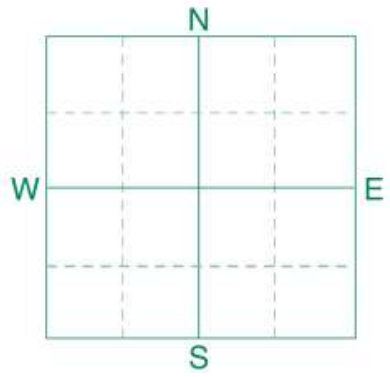
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 29 Willie Half W** F1/F3
Field Name: **W-28-17-3E**
Sample ID: **1**
County: **Rockwood RM** Section: **28**
Township: **17** Quarter: **W**
Range: **3E** Acres: **306**
Previous Crop: **Canola-bu**



Ref #: **5847901**
Box #: **11534**
Lab #: **NW115413**

SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** **0-24"** Nitrate	**11 lb/acre** **9 lb/acre** **20 lb/acre**	******	**		
Olsen Phosphorus	**10 ppm**	******	******	****	
Potassium	**101 ppm**	******	******		
0-24" Chloride	**196 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**30 lb/acre** **72 lb/acre**	****** ******	****** ******	****** ******	******
Boron	**1.3 ppm**	******	******	******	*
Zinc	**0.52 ppm**	******	****		
Iron	**14.2 ppm**	******	******	******	******
Manganese	**1.8 ppm**	******	******	*****	
Copper	**0.38 ppm**	******	**		
Magnesium	**694 ppm**	******	******	******	******
Calcium	**4199 ppm**	******	******	******	******
Sodium	**18 ppm**	***			
Org. Matter	**2.5 %**	******	****		
Carbonate (CCE)	**8.6 %**	******	******	******	****
0-6" **6-24"** Sol. Salts	**0.31 mmho/cm** **0.2 mmho/cm**	****** *****	*		

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Barley			Barley-Feed			Barley-Feed		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
90 BU			100 BU			120 BU		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Broadcast/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**120**		N	**155**		N	**190**	
P_2O_5	**42**	**Band ***	P_2O_5	**70**	**Broadcast**	P_2O_5	**56**	**Band ***
K_2O	**49**	**Band ***	K_2O	**109**	**Broadcast**	K_2O	**65**	**Band ***
Cl	**0**		Cl	**0**		Cl	**0**	
S	**0**		S	**10**	**Broadcast (Trial)**	S	**0**	
B	**0**		B	**0**		B	**0**	
Zn	**1**	**Band**	Zn	**1**	**Broadcast**	Zn	**1**	**Band**
Fe	**0**		Fe	**0**		Fe	**0**	
Mn	**0**		Mn	**0**		Mn	**0**	
Cu	**2**	**Band**	Cu	**3**	**Broadcast**	Cu	**2**	**Band**
Mg	**0**		Mg	**0**		Mg	**0**	
Lime	**0**		Lime	**0**		Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.6**		**27.1 meq**	(65-75) **77.4**	(15-20) **21.3**	(1-7) **1.0**	(0-5) **0.3**	(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: P_2O_5 = 42 K_2O = 45 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

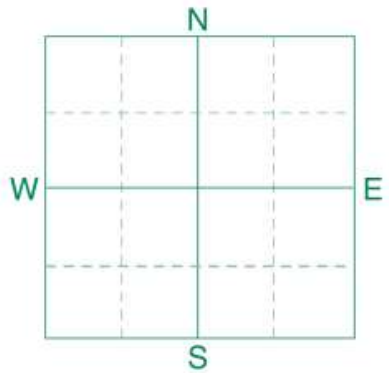
Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 47 K_2O = 50 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 56 K_2O = 60 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 29 Willie Half E** F2/F4
Field Name: **E-28-17-3E**
Sample ID: **1**
County: **Rockwood RM** Section: **28**
Township: **17** Quarter: **E**
Range: **3E** Acres: **306**
Previous Crop: **Canola-bu**



Ref #: **5847900**
Box #: **11690**
Lab #: **NW115412**

SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** **0-24"** Nitrate	**9 lb/acre** **12 lb/acre** **21 lb/acre**	******	**		
Olsen Phosphorus	**10 ppm**	******	******	****	
Potassium	**107 ppm**	******	******	*	
0-24" Chloride	**188 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**30 lb/acre** **78 lb/acre**	****** ******	****** ******	****** ******	******
Boron	**1.0 ppm**	******	******	**	
Zinc	**0.44 ppm**	******	***		
Iron	**15.4 ppm**	******	******	******	******
Manganese	**1.8 ppm**	******	******	*****	
Copper	**0.28 ppm**	******			
Magnesium	**544 ppm**	******	******	******	******
Calcium	**3854 ppm**	******	******	******	******
Sodium	**15 ppm**	**			
Org. Matter	**2.5 %**	******	****		
Carbonate (CCE)	**4.5 %**	******	******	*****	
0-6" **6-24"** Sol. Salts	**0.26 mmho/cm** **0.16 mmho/cm**	****** ****			

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Barley			Barley-Feed			Barley-Feed		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
90 BU			100 BU			120 BU		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Broadcast/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**119**		N	**154**		N	**189**	
P_2O_5	**42**	**Band ***	P_2O_5	**70**	**Broadcast**	P_2O_5	**56**	**Band ***
K_2O	**46**	**Band ***	K_2O	**103**	**Broadcast**	K_2O	**62**	**Band ***
Cl	**0**		Cl	**0**		Cl	**0**	
S	**0**		S	**10**	**Broadcast (Trial)**	S	**0**	
B	**0**		B	**0**		B	**0**	
Zn	**1**	**Band**	Zn	**1**	**Broadcast**	Zn	**1**	**Band**
Fe	**0**		Fe	**0**		Fe	**0**	
Mn	**0**		Mn	**0**		Mn	**0**	
Cu	**3**	**Band**	Cu	**5**	**Broadcast**	Cu	**3**	**Band**
Mg	**0**		Mg	**0**		Mg	**0**	
Lime	**0**		Lime	**0**		Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.5**		**24.1 meq**	(65-75) **79.8**	(15-20) **18.8**	(1-7) **1.1**	(0-5) **0.3**	(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: P_2O_5 = 42 K_2O = 45 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 47 K_2O = 50 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 56 K_2O = 60 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
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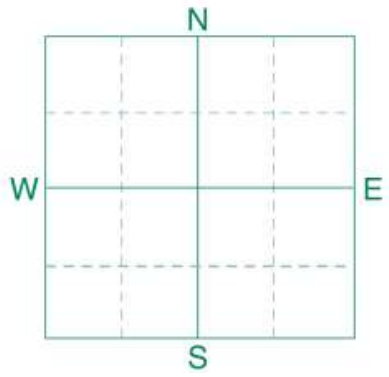
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 20 Foxwood**
Field Name: **S-NE-20-17-3E**
Sample ID: **1**
County: **Rockwood RM**
Township: **17**
Range: **3E**
Previous Crop: **Wheat-Spring**
Section: **20**
Quarter: **S-NE**
Acres: **230**

G1



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5804977**
Box #: **5886**
Lab #: **NW96074**

Date Sampled: **9/13/2025** Date Received: **9/16/2025** Date Reported: **9/17/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** Nitrate	**6 lb/acre** **12 lb/acre**				
0-24" Nitrate	**18 lb/acre**	******	*		
Olsen Phosphorus	**17 ppm**	******	******	******	******
Potassium	**112 ppm**	******	******	*	
0-24" Chloride	**240 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**12 lb/acre** **66 lb/acre**	****** ******	**** ******	******	******
Boron	**1.0 ppm**	******	******	***	
Zinc	**1.71 ppm**	******	******	******	****
Iron	**13.5 ppm**	******	******	******	******
Manganese	**1.7 ppm**	******	******	****	
Copper	**0.32 ppm**	******			
Magnesium	**492 ppm**	******	******	******	******
Calcium	**4088 ppm**	******	******	******	******
Sodium	**19 ppm**	***			
Org. Matter	**2.9 %**	******	******		
Carbonate (CCE)	**6.0 %**	******	******	******	*
0-6" **6-24"** Sol. Salts	**0.17 mmho/cm** **0.17 mmho/cm**	**** ****			

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**122**	
P_2O_5	**36**	**Band ***
K_2O	**25**	**Band ***
Cl		**Not Available**
S	**19**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**140**	
P_2O_5	**41**	**Broadcast**
K_2O	**57**	**Broadcast**
Cl		**Not Available**
S	**30**	**Broadcast**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**157**	
P_2O_5	**45**	**Band ***
K_2O	**32**	**Band ***
Cl		**Not Available**
S	**19**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.5** 6-24" **8.7**		**24.9 meq**	(65-75) **82.1**	(15-20) **16.5**	(1-7) **1.2**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
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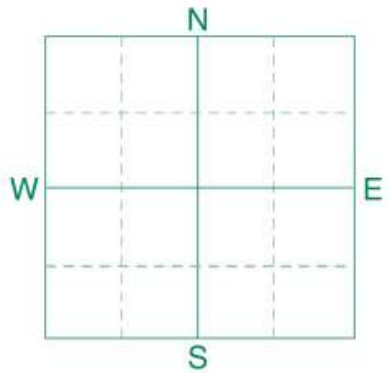
SOIL TEST REPORT

Field ID: **Field 21 Nitchie** G2
Field Name: **NW-20-17-3E**
Sample ID: **1**
County: **Rockwood RM** Section: **20**
Township: **17** Quarter: **NW**
Range: **3E** Acres: **150**
Previous Crop: **Barley**



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Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5804967**
Box #: **5850**
Lab #: **NW96071**

Date Sampled: **9/13/2025** Date Received: **9/16/2025** Date Reported: **9/17/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** **0-24"** Nitrate	**7 lb/acre** **45 lb/acre** **52 lb/acre**	******	******	******	******
Olsen Phosphorus	**11 ppm**	******	******	******	
Potassium	**107 ppm**	******	******	*	
0-24" Chloride	**348 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**18 lb/acre** **114 lb/acre**	****** ******	****** ******	* ******	******
Boron	**0.9 ppm**	******	******	**	
Zinc	**0.95 ppm**	******	******	*****	
Iron	**13.4 ppm**	******	******	******	******
Manganese	**1.4 ppm**	******	******	**	
Copper	**0.24 ppm**	*****			
Magnesium	**560 ppm**	******	******	******	******
Calcium	**4267 ppm**	******	******	******	******
Sodium	**20 ppm**	***			
Org. Matter	**2.4 %**	******	***		
Carbonate (CCE)	**5.7 %**	******	******	******	*
0-6" **6-24"** Sol. Salts	**0.15 mmho/cm** **0.24 mmho/cm**	*** ******			

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**88**	
P_2O_5	**36**	**Band ***
K_2O	**27**	**Band ***
Cl		**Not Available**
S	**17**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**1**	**Band**
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**106**	
P_2O_5	**66**	**Broadcast**
K_2O	**61**	**Broadcast**
Cl		**Not Available**
S	**25**	**Broadcast**
B	**0**	
Zn	**1**	**Broadcast**
Fe	**0**	
Mn	**0**	
Cu	**2**	**Broadcast**
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**123**	
P_2O_5	**45**	**Band ***
K_2O	**34**	**Band ***
Cl		**Not Available**
S	**17**	**Band**
B	**0**	
Zn	**1**	**Band**
Fe	**0**	
Mn	**0**	
Cu	**1**	**Band**
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.6** 6-24" **8.6**		**26.4 meq**	(65-75) **80.9**	(15-20) **17.7**	(1-7) **1.0**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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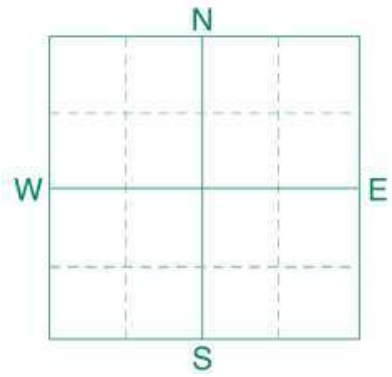
SOIL TEST REPORT

Field ID: **Field 23 Leann & Sheligan**
Field Name: **NW-21-17-3E** H1
Sample ID: **1**
County: **Rockwood RM** Section: **21**
Township: **17** Quarter: **NE & NW**
Range: **3E** Acres: **285**
Previous Crop:



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Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5956682**
Box #: **10427**
Lab #: **NW190834**

Date Sampled: **10/16/2025** Date Received: **10/18/2025** Date Reported: **10/23/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24" Nitrate	8 lb/acre 30 lb/acre				
0-24" Nitrate	38 lb/acre	******	******	******	
Olsen Phosphorus	13 ppm	******	******	******	**
Potassium	108 ppm	******	******	*	
0-24" Chloride	240 lb/acre	******	******	******	******
0-6" Sulfur	10 lb/acre	******	***		
6-24" Sulfur	78 lb/acre	******	******	******	******
Boron	1.4 ppm	******	******	******	**
Zinc	0.65 ppm	******	******	*	
Iron	11.6 ppm	******	******	******	******
Manganese	2.0 ppm	******	******	******	
Copper	0.36 ppm	******	**		
Magnesium	696 ppm	******	******	******	******
Calcium	3672 ppm	******	******	******	******
Sodium	18 ppm	***			
Org. Matter	2.9 %	******	******		
Carbonate (CCE)	6.9 %	******	******	******	**
0-6" Sol. Salts	0.22 mmho/cm	*****			
6-24" Sol. Salts	0.26 mmho/cm	******			

1st Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	137	
P_2O_5	45	Band *
K_2O	34	Band *
Cl		Not Available
S	19	Band
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	138	
P_2O_5	41	Band *
K_2O	42	Band *
Cl	0	
S	4	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	2	Band
Mg	0	
Lime	0	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	30	Band *
K_2O	47	Band *
Cl	0	
S	9	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.4** 6-24" **8.5**		**24.5 meq**	(65-75) **74.9**	(15-20) **23.7**	(1-7) **1.1**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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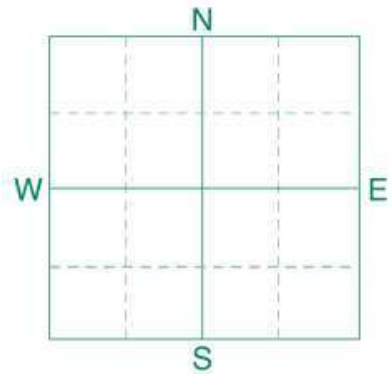
SOIL TEST REPORT

Field ID: **Field 23 Leann & Sheligan**
Field Name: **NE-21-17-3E** H2
Sample ID: **1**
County: **Rockwood RM** Section: **21**
Township: **17** Quarter: **NE & NW**
Range: **3E** Acres: **285**
Previous Crop:



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5956681**
Box #: **10500**
Lab #: **NW190833**

Date Sampled: **10/16/2025** Date Received: **10/18/2025** Date Reported: **10/23/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"**	**31 lb/acre** **90 lb/acre**				
0-24" Nitrate	**121 lb/acre**	******	******	******	******
Olsen Phosphorus	**39 ppm**	******	******	******	******
Potassium	**199 ppm**	******	******	******	******
0-24" Chloride	**188 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**30 lb/acre** **96 lb/acre**	****** ******	****** ******	****** ******	******
Boron	**1.5 ppm**	******	******	******	*****
Zinc	**5.04 ppm**	******	******	******	******
Iron	**14.9 ppm**	******	******	******	******
Manganese	**2.8 ppm**	******	******	******	**
Copper	**0.47 ppm**	******	*****		
Magnesium	**648 ppm**	******	******	******	******
Calcium	**4436 ppm**	******	******	******	******
Sodium	**16 ppm**	**			
Org. Matter	**4.3 %**	******	******	*****	
Carbonate (CCE)	**5.7 %**	******	******	******	*
0-6" **6-24"** Sol. Salts	**0.34 mmho/cm** **0.29 mmho/cm**	****** ******	** *		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**54**	
P_2O_5	**45**	**Band ***
K_2O	**23**	**Band ***
Cl		**Not Available**
S	**15**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**55**	
P_2O_5	**41**	**Band ***
K_2O	**24**	**Band ***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**2**	**Band**
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**47**	**Band ***
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.3**		**28.2 meq**	(65-75) **78.8**	(15-20) **19.2**	(1-7) **1.8**	(0-5) **0.2**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

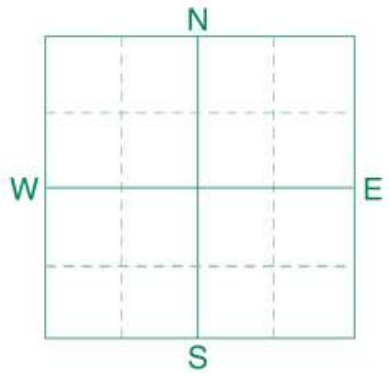
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 25 Michaluk** H3
Field Name: **S-SW-21-17-3E**
Sample ID: **1**
County: **Rockwood RM** Section: **21**
Township: **17** Quarter: **SSW**
Range: **3E** Acres: **75**
Previous Crop: **Canola-bu**



Ref #: **5821544**
Box #: **10586**
Lab #: **NW103766**

SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Date Sampled: **9/16/2025** Date Received: **9/20/2025** Date Reported: **9/23/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**28 lb/acre**				
6-24"	**9 lb/acre**				
0-24"	**37 lb/acre**	******	******	******	
Olsen Phosphorus	**14 ppm**	******	******	******	****
Potassium	**74 ppm**	******	***		
0-24" Chloride	**136 lb/acre**	******	******	******	******
0-6" Sulfur	**20 lb/acre**	******	******	**	
6-24"	**60 lb/acre**	******	******	******	******
Boron	**0.7 ppm**	******	****		
Zinc	**0.58 ppm**	******	******		
Iron	**24.0 ppm**	******	******	******	******
Manganese	**2.2 ppm**	******	******	******	
Copper	**0.33 ppm**	******	*		
Magnesium	**473 ppm**	******	******	******	******
Calcium	**4682 ppm**	******	******	******	******
Sodium	**19 ppm**	***			
Org. Matter	**2.7 %**	******	*****		
Carbonate (CCE)	**4.6 %**	******	******	*****	
0-6" Sol. Salts	**0.28 mmho/cm**	******	*		
6-24"	**0.12 mmho/cm**	***			

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Barley-Feed			Barley-Feed			Barley-Feed		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
110 BU			120 BU			125 BU		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Broadcast/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**156**		N	**173**		N	**182**	
P_2O_5	**52**	**Band ***	P_2O_5	**60**	**Broadcast**	P_2O_5	**59**	**Band ***
K_2O	**75**	**Band ***	K_2O	**163**	**Broadcast**	K_2O	**85**	**Band ***
Cl	**0**		Cl	**0**		Cl	**0**	
S	**7**	**Band (Trial)**	S	**15**	**Broadcast (Trial)**	S	**7**	**Band (Trial)**
B	**0**		B	**0**		B	**0**	
Zn	**1**	**Band**	Zn	**1**	**Broadcast**	Zn	**1**	**Band**
Fe	**0**		Fe	**0**		Fe	**0**	
Mn	**0**		Mn	**0**		Mn	**0**	
Cu	**2**	**Band**	Cu	**3**	**Broadcast**	Cu	**2**	**Band**
Mg	**0**		Mg	**0**		Mg	**0**	
Lime	**0**		Lime	**0**		Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.6**		**27.6 meq**	(65-75) **84.7**	(15-20) **14.3**	(1-7) **0.7**	(0-5) **0.3**	(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: P_2O_5 = 52 K_2O = 55 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 56 K_2O = 60 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 59 K_2O = 63 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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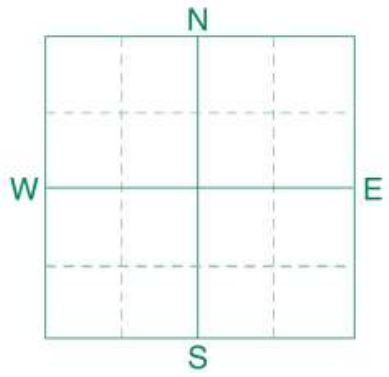
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 18 Sherlock**
Field Name: **NW-01-17-3E**
Sample ID: **1**
County: **St. Andrews RM** Section: **1**
Township: **17** Quarter: **NW**
Range: **3E** Acres: **155**
Previous Crop: **Canola-bu**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847902**
Box #: **11431**
Lab #: **NW115414**

Date Sampled: **9/25/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** **0-24"** Nitrate	**12 lb/acre** **51 lb/acre** **63 lb/acre**	****** ****** ******	****** ****** ******	****** ****** ******	****** ****** ******
Olsen Phosphorus	**21 ppm**	******	******	******	******
Potassium	**321 ppm**	******	******	******	******
0-24" Chloride	**52 lb/acre**	******	******	******	***
0-6" **6-24"** Sulfur	**38 lb/acre** **42 lb/acre**	****** ******	****** ******	****** ******	*** *****
Boron	**0.9 ppm**	******	******	**	
Zinc	**1.41 ppm**	******	******	******	**
Iron	**29.4 ppm**	******	******	******	******
Manganese	**2.2 ppm**	******	******	******	
Copper	**0.93 ppm**	******	******	******	
Magnesium	**719 ppm**	******	******	******	******
Calcium	**6119 ppm**	******	******	******	******
Sodium	**14 ppm**	**			
Org. Matter	**4.4 %**	******	******	******	
Carbonate (CCE)	**4.6 %**	******	******	*****	
0-6" **6-24"** Sol. Salts	**0.39 mmho/cm** **0.46 mmho/cm**	****** ******	*** *****		

1st Crop Choice		
Barley-Feed		
YIELD GOAL		
90 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**95**	
P_2O_5	**42**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Barley-Feed		
YIELD GOAL		
100 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**112**	
P_2O_5	**47**	**Broadcast**
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Barley-Feed		
YIELD GOAL		
120 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**147**	
P_2O_5	**56**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.8** 6-24" **8.0**		**37.5 meq**	(65-75) **81.7**	(15-20) **16.0**	(1-7) **2.2**	(0-5) **0.2**	(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: P_2O_5 = 42 K_2O = 45 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 47 K_2O = 50 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 56 K_2O = 60 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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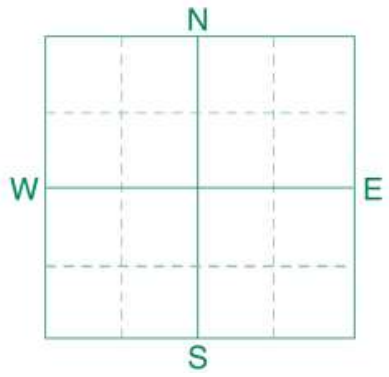
SOIL TEST REPORT

Field ID: **Field 16 South Quarter** J
Field Name: **SE-35-16-2E**
Sample ID: **1**
County: **Rockwood RM** Section: **35**
Township: **16** Quarter: **SE**
Range: **2E** Acres: **115**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5794752**
Box #: **5145**
Lab #: **NW87978**

Date Sampled: **9/10/2025** Date Received: **9/11/2025** Date Reported: **9/12/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" / 6-24" / 0-24" Nitrate	29 lb/acre / 24 lb/acre / 53 lb/acre	******	******	******	******
Olsen Phosphorus	22 ppm	******	******	******	******
Potassium	104 ppm	******	******		
0-24" Chloride	260 lb/acre	******	******	******	******
0-6" / 6-24" Sulfur	20 lb/acre / 204 lb/acre	****** / ******	****** / ******	** / ******	******
Boron	1.6 ppm	******	******	******	******
Zinc	0.85 ppm	******	******	****	
Iron	12.4 ppm	******	******	******	******
Manganese	1.7 ppm	******	******	****	
Copper	0.44 ppm	******	****		
Magnesium	815 ppm	******	******	******	******
Calcium	4507 ppm	******	******	******	******
Sodium	21 ppm	***			
Org. Matter	4.6 %	******	******	******	
Carbonate (CCE)	8.5 %	******	******	******	****
0-6" / 6-24" Sol. Salts	0.37 mmho/cm / 0.38 mmho/cm	****** / ******	*** / ***		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	87	
P_2O_5	36	Band *
K_2O	28	Band *
Cl		Not Available
S	15	Band
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	105	
P_2O_5	41	Broadcast
K_2O	64	Broadcast
Cl		Not Available
S	20	Broadcast
B	0	
Zn	1	Broadcast
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	122	
P_2O_5	45	Band *
K_2O	36	Band *
Cl		Not Available
S	15	Band
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.4** 6-24" **8.6**		**29.7 meq**	(65-75) **75.9**	(15-20) **22.9**	(1-7) **0.9**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
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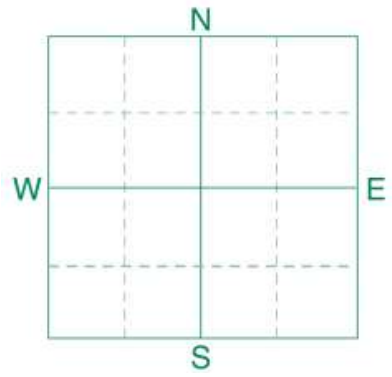
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 17 Carbide** K
Field Name: **SE & SW 31-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **31**
Township: **16** Quarter: **SE & SW**
Range: **4E** Acres: **185**
Previous Crop: **Wheat-Spring**



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Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5794754**
Box #: **5119**
Lab #: **NW87980**

Date Sampled: **9/10/2025** Date Received: **9/11/2025** Date Reported: **9/12/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**34 lb/acre**				
6-24"	**33 lb/acre**				
0-24"	**67 lb/acre**	******	******	******	******
Olsen Phosphorus	**28 ppm**	******	******	******	******
Potassium	**343 ppm**	******	******	******	******
0-24" Chloride	**36 lb/acre**	******	******	***	
0-6" Sulfur	**16 lb/acre**	******	******		
6-24"	**48 lb/acre**	******	******	******	******
Boron	**0.5 ppm**	******	**		
Zinc	**2.05 ppm**	******	******	******	******
Iron	**32.3 ppm**	******	******	******	******
Manganese	**1.7 ppm**	******	******	****	
Copper	**1.26 ppm**	******	******	******	*
Magnesium	**869 ppm**	******	******	******	******
Calcium	**3675 ppm**	******	******	******	******
Sodium	**21 ppm**	***			
Org. Matter	**3.9 %**	******	******	***	
Carbonate (CCE)	**0.8 %**	*****			
0-6" Sol. Salts	**0.43 mmho/cm**	******	****		
6-24"	**0.44 mmho/cm**	******	****		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**73**	
P_2O_5	**36**	**Band ***
K_2O	**0**	
Cl		**Not Available**
S	**15**	**Band**
B	**1**	**Broadcast**
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**91**	
P_2O_5	**41**	**Broadcast**
K_2O	**0**	
Cl		**Not Available**
S	**20**	**Broadcast**
B	**1**	**Broadcast**
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**108**	
P_2O_5	**45**	**Band ***
K_2O	**0**	
Cl		**Not Available**
S	**15**	**Band**
B	**1**	**Broadcast**
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.7** 6-24" **8.3**		**26.6 meq**	(65-75) **69.1**	(15-20) **27.2**	(1-7) **3.3**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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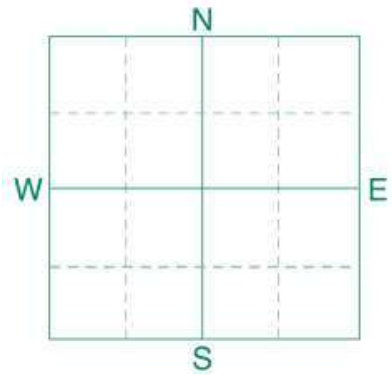
SOIL TEST REPORT

Field ID: **Field 13 Beefield**
Field Name: **SW-25-16-3E**
Sample ID: **1**
County: **St. Andrews RM** Section: **25**
Township: **16** Quarter: **SW**
Range: **3E** Acres: **90**
Previous Crop: **Soybeans**

L



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **6023391**
Box #: **4488**
Lab #: **NW258181**

Date Sampled: **11/9/2025** Date Received: **11/18/2025** Date Reported: **11/19/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" / 6-24"	11 lb/acre / 12 lb/acre				
0-24" Nitrate	23 lb/acre	******	***		
Olsen Phosphorus	29 ppm	******	******	******	******
Potassium	374 ppm	******	******	******	******
0-24" Chloride	20 lb/acre	******	**		
0-6" / 6-24" Sulfur	12 lb/acre / 24 lb/acre	****** / ******	**** / ******	****	
Boron	0.9 ppm	******	******	**	
Zinc	0.85 ppm	******	******	****	
Iron	41.0 ppm	******	******	******	******
Manganese	2.9 ppm	******	******	******	**
Copper	1.03 ppm	******	******	******	
Magnesium	817 ppm	******	******	******	******
Calcium	4919 ppm	******	******	******	******
Sodium	13 ppm	**			
Org. Matter	4.9 %	******	******	******	*
Carbonate (CCE)	2.0 %	******	****		
0-6" / 6-24" Sol. Salts	0.39 mmho/cm / 0.44 mmho/cm	****** / ******	*** / ****		

1st Crop Choice		
Barley		
YIELD GOAL		
80 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	86	
P_2O_5	38	Band *
K_2O	10	Band (Starter)*
Cl	20	Broadcast
S	7	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	138	
P_2O_5	41	Band *
K_2O	10	Band (Starter)*
Cl	20	Broadcast
S	7	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	30	Band *
K_2O	0	
Cl	0	
S	7	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.6** 6-24" **7.9**		**32.4 meq**	(65-75) **75.9**	(15-20) **21.0**	(1-7) **3.0**	(0-5) **0.2**	(0-5) **0.0**

General Comments: Fine-textured (CEC: 31+ meq)

Crop 1: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 38 K_2O = 40 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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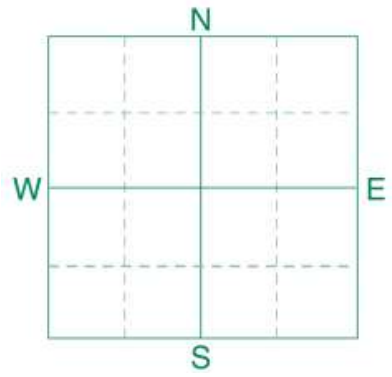
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 14 Rosco** M
Field Name: **NW-30-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **30**
Township: **16** Quarter: **NW**
Range: **3E** Acres: **155**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5794753**
Box #: **5120**
Lab #: **NW87979**

Date Sampled: **9/10/2025** Date Received: **9/11/2025** Date Reported: **9/12/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"**	**35 lb/acre** **69 lb/acre**				
0-24" Nitrate	**104 lb/acre**	******	******	******	******
Olsen Phosphorus	**60 ppm**	******	******	******	******
Potassium	**301 ppm**	******	******	******	******
0-24" Chloride	**72 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**30 lb/acre**	******	******	******	
Boron	**0.5 ppm**	******	*		
Zinc	**3.98 ppm**	******	******	******	******
Iron	**69.7 ppm**	******	******	******	******
Manganese	**2.1 ppm**	******	******	******	
Copper	**1.83 ppm**	******	******	******	*
Magnesium	**773 ppm**	******	******	******	******
Calcium	**4339 ppm**	******	******	******	******
Sodium	**54 ppm**	******	**		
Org. Matter	**4.3 %**	******	******	*****	
Carbonate (CCE)	**1.6 %**	******	**		
0-6" **6-24"** Sol. Salts	**0.52 mmho/cm** **0.44 mmho/cm**	****** ******	****** ****		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**36**	
P_2O_5	**10**	**Band (Starter)***
K_2O	**0**	
Cl		**Not Available**
S	**15**	**Band**
B	**1**	**Broadcast**
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**54**	
P_2O_5	**0**	
K_2O	**0**	
Cl		**Not Available**
S	**20**	**Broadcast**
B	**1**	**Broadcast**
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**71**	
P_2O_5	**10**	**Band (Starter)***
K_2O	**0**	
Cl		**Not Available**
S	**15**	**Band**
B	**1**	**Broadcast**
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.4** 6-24" **8.1**		**29.1 meq**	(65-75) **74.4**	(15-20) **22.1**	(1-7) **2.6**	(0-5) **0.8**	(0-5) **-0.0**

General Comments: Medium-textured (CEC: 11-30 meq) Percent hydrogen is estimated from water pH, CEC corrected for exchangeable acidity.

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
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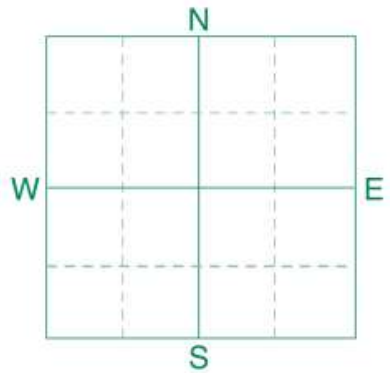
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 7 Titan**
Field Name: **SW-23-16-3E**
Sample ID: **1**
County: **St. Andrews RM** Section: **23**
Township: **16** Quarter: **SW**
Range: **3E** Acres: **160**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5794759**
Box #: **5177**
Lab #: **NW87984**

Date Sampled: **9/10/2025** Date Received: **9/11/2025** Date Reported: **9/12/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** **0-24"** Nitrate	**28 lb/acre** **18 lb/acre** **46 lb/acre**	****** ****** ******	****** ****** ******	****** ****** ******	****** ****** ******
Olsen Phosphorus	**16 ppm**	******	******	******	******
Potassium	**258 ppm**	******	******	******	******
0-24" Chloride	**160 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**24 lb/acre** **258 lb/acre**	****** ******	****** ******	**** ******	******
Boron	**1.8 ppm**	******	******	******	******
Zinc	**0.46 ppm**	******	***		
Iron	**14.5 ppm**	******	******	******	******
Manganese	**1.4 ppm**	******	******	***	
Copper	**1.4 ppm**	******	******	******	*
Magnesium	**1764 ppm**	******	******	******	******
Calcium	**5680 ppm**	******	******	******	******
Sodium	**62 ppm**	******	***		
Org. Matter	**4.9 %**	******	******	******	*
Carbonate (CCE)	**8.1 %**	******	******	******	****
0-6" **6-24"** Sol. Salts	**0.49 mmho/cm** **0.47 mmho/cm**	****** ******	****** *****		

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**1**	**Band**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Soybeans		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**34**	**Broadcast**
K_2O	**0**	
Cl	**0**	
S	**10**	**Broadcast (Trial)**
B	**0**	
Zn	**3**	**Broadcast**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**38**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**2**	**Band**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.5** 6-24" **8.9**		**44 meq**	(65-75) **64.5**	(15-20) **33.4**	(1-7) **1.5**	(0-5) **0.6**	(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. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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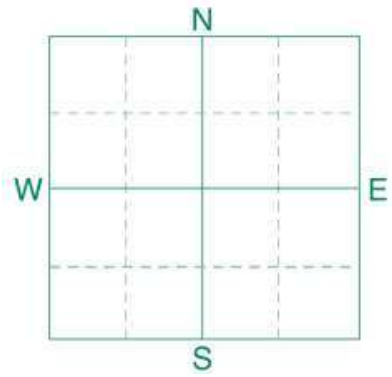
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 8 Herbie NW**
Field Name: **NW-24-16-3E**
Sample ID: **1**
County: **St. Andrews RM** Section: **24**
Township: **16** Quarter: **NW**
Range: **3E** Acres: **275**
Previous Crop: **Beans-Edible**

O1



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **6023393**
Box #: **4455**
Lab #: **NW258183**

Date Sampled: **11/9/2025** Date Received: **11/18/2025** Date Reported: **11/19/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" / 6-24"	12 lb/acre / 21 lb/acre				
0-24" Nitrate	33 lb/acre	******	******	*****	
Olsen Phosphorus	26 ppm	******	******	******	******
Potassium	415 ppm	******	******	******	******
0-24" Chloride	36 lb/acre	******	******	***	
0-6" Sulfur	16 lb/acre	******	******		
6-24" Sulfur	54 lb/acre	******	******	******	******
Boron	0.9 ppm	******	******	*	
Zinc	0.94 ppm	******	******	*****	
Iron	46.5 ppm	******	******	******	******
Manganese	3.2 ppm	******	******	******	**
Copper	1.05 ppm	******	******	******	
Magnesium	939 ppm	******	******	******	******
Calcium	4422 ppm	******	******	******	******
Sodium	18 ppm	***			
Org. Matter	5.2 %	******	******	******	***
Carbonate (CCE)	1.0 %	******			
0-6"	0.32 mmho/cm	******	**		
6-24" Sol. Salts	0.38 mmho/cm	******	***		

1st Crop Choice		
Wheat-Spring		
YIELD GOAL		
70 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	141	
P_2O_5	44	Band *
K_20	10	Band (Starter)*
Cl	4	
S	5	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	128	
P_2O_5	41	Band *
K_20	10	Band (Starter)*
Cl	4	
S	5	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	30	Band *
K_20	0	
Cl	0	
S	5	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.3** 6-24" **8.0**		**31.1 meq**	(65-75) **71.1**	(15-20) **25.2**	(1-7) **3.4**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: 8 lb potassium chloride (0-0-60-50Cl) = 4 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 44 K_2O = 26 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: 8 lb potassium chloride (0-0-60-50Cl) = 4 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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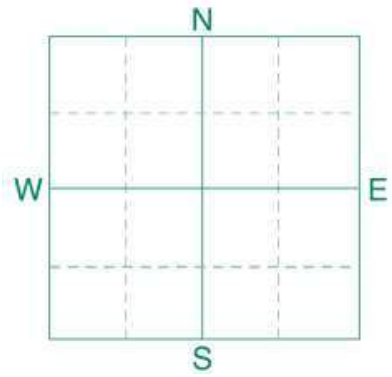
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 8 Herbie NE**
Field Name: **NE-24-16-3E** O2
Sample ID: **1**
County: **St. Andrews RM** Section: **24**
Township: **16** Quarter: **NE**
Range: **3E** Acres: **275**
Previous Crop: **Beans-Edible**



Ref #: **6023392**
Box #: **4334**
Lab #: **NW258182**

SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Date Sampled: **11/9/2025** Date Received: **11/18/2025** Date Reported: **11/19/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**13 lb/acre**				
6-24" Nitrate	**21 lb/acre**				
0-24" Nitrate	**34 lb/acre**	******	******	*****	
Olsen Phosphorus	**23 ppm**	******	******	******	******
Potassium	**405 ppm**	******	******	******	******
0-24" Chloride	**24 lb/acre**	******	***		
0-6" Sulfur	**120 +lb/acre**	******	******	******	******
6-24" Sulfur	**78 lb/acre**	******	******	******	******
Boron	**0.9 ppm**	******	******	*	
Zinc	**1.18 ppm**	******	******	******	*
Iron	**29.6 ppm**	******	******	******	******
Manganese	**2.6 ppm**	******	******	******	*
Copper	**1.12 ppm**	******	******	******	
Magnesium	**986 ppm**	******	******	******	******
Calcium	**6800 ppm**	******	******	******	******
Sodium	**26 ppm**	****			
Org. Matter	**5.1 %**	******	******	******	**
Carbonate (CCE)	**3.5 %**	******	******	**	
0-6" Sol. Salts	**0.71 mmho/cm**	******	******	*****	
6-24" Sol. Salts	**0.42 mmho/cm**	******	****		

1st Crop Choice		
Wheat-Spring		
YIELD GOAL		
70 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**140**	
P_2O_5	**44**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**16**	**Broadcast**
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**127**	
P_2O_5	**41**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**16**	**Broadcast**
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.7** 6-24" **8.2**		**43.4 meq**	(65-75) **78.4**	(15-20) **18.9**	(1-7) **2.4**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: 35 lb potassium chloride (0-0-60-50Cl) = 16 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 44 K_2O = 26 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: 35 lb potassium chloride (0-0-60-50Cl) = 16 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

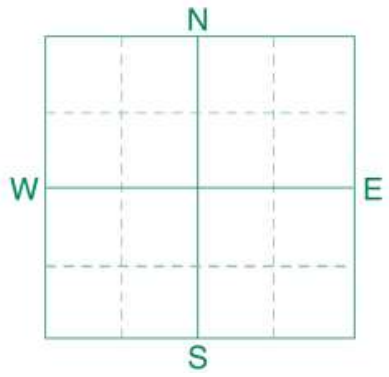
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Highway 8 South Field** P1
Field Name: **W-19-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **19**
Township: **15** Quarter: **W**
Range: **4E** Acres: **220**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847893**
Box #: **11625**
Lab #: **NW115405**

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **20 lb/acre** **6-24"** **24 lb/acre** **0-24"** **44 lb/acre** Nitrate		******	******	******	******
Olsen **24 ppm** Phosphorus		******	******	******	******
Potassium	**342 ppm**	******	******	******	******
0-24" **48 lb/acre** Chloride		******	******	******	**
0-6" **18 lb/acre** **6-24"** **36 lb/acre** Sulfur		****** ******	****** ******	* ******	 **
Boron	**0.9 ppm**	******	******	*	
Zinc	**0.82 ppm**	******	******	***	
Iron	**67.5 ppm**	******	******	******	******
Manganese	**2.9 ppm**	******	******	******	**
Copper	**1.03 ppm**	******	******	******	
Magnesium	**973 ppm**	******	******	******	******
Calcium	**3840 ppm**	******	******	******	******
Sodium	**14 ppm**	**			
Org. Matter	**6.3 %**	******	******	******	******
Carbonate (CCE)	**0.8 %**	*****			
0-6" **0.4 mmho/cm** **6-24"** **0.45 mmho/cm** Sol. Salts		****** ******	**** *****		

1st Crop Choice		
Wheat-Spring		
YIELD GOAL		
80 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**172**	
P_2O_5	**50**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
85 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**186**	
P_2O_5	**53**	**Broadcast**
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**10**	**Broadcast (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Wheat-Spring		
YIELD GOAL		
90 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**199**	
P_2O_5	**56**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.5** 6-24" **8.1**		**28.2 meq**	(65-75) **68.0**	(15-20) **28.7**	(1-7) **3.1**	(0-5) **0.2**	(0-5) **0.0**

General Comments: Medium-textured (CEC: 11-30 meq)

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 50 K_2O = 30 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 53 K_2O = 32 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

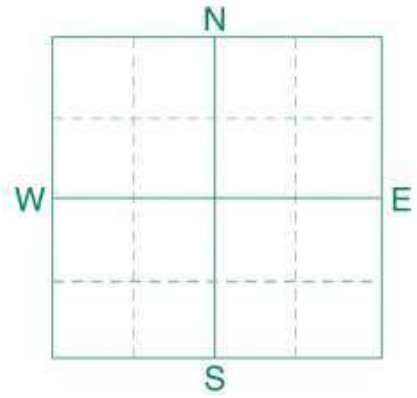
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 56 K_2O = 34 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGRA-GOLD
NUTRIENT MANAGEMENT

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

SOIL TEST REPORT

FIELD ID **2233** P2
SAMPLE ID
FIELD NAME **Rock Lake Colony - Parkside 9**
COUNTY
TWP **Pt NE 19-16-4e** RANGE
SECTION QTR ACRES **115**
PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
St Andrews

SUBMITTED BY: **EL1911**
AGRA-GOLD CONSULTING LTD
90 OAKDALE DR
BOX 156
BLUMENORT, MB **R0A 0C0**

REF # **3756735** BOX # **2272**
LAB # **NW83183**

Date Sampled **09/14/2022** Date Received **09/15/2022** Date Reported **9/16/2022**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" 9 lb/acre 6-24" 12 lb/acre 0-24" 21 lb/acre	********			
Phosphorus	Olsen 18 ppm	**********	**********	**********	**********
Potassium	207 ppm	**********	**********	**********	**********
Chloride					
Sulfur	0-6" 10 lb/acre 6-24" 18 lb/acre	*********	**********		
Boron					
Zinc	0.00 ppm				
Iron					
Manganese					
Copper					
Magnesium	596 ppm	**********	**********	**********	**********
Calcium	4772 ppm	**********	**********	**********	**********
Sodium	12 ppm	**			
Org.Matter	No Data				
Carbonate(CCE)					
Sol. Salts	0-6" 0.22 mmho/cm 6-24" 0.24 mmho/cm	***** ******			

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Canola-bu								
YIELD GOAL			YIELD GOAL			YIELD GOAL		
44 BU								
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band								
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	133		N			N		
P_2O_5	15	Band *	P_2O_5			P_2O_5		
K_2O	0		K_2O			K_2O		
Cl			Cl			Cl		
S	17	Band	S			S		
B			B			B		
Zn	2	Band	Zn			Zn		
Fe			Fe			Fe		
Mn			Mn			Mn		
Cu			Cu			Cu		
Mg	0		Mg			Mg		
Lime			Lime			Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.0 6-24" 8.4		29.4 meq	(65-75) 81.1	(15-20) 16.9	(1-7) 1.8	(0-5) 0.2	(0-5) 0.0

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

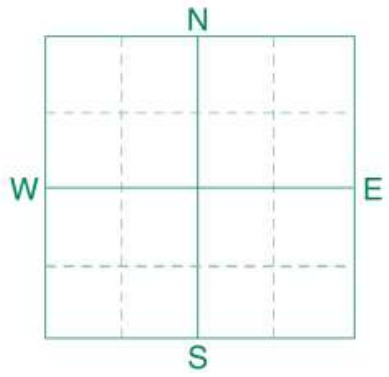
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 40 K2O = 20 AGVISE Band guideline will build P & K test levels to the medium range over several years.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Hog Barn North** Q1
Field Name: **NW-20-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **20**
Township: **16** Quarter: **NW**
Range: **4E** Acres: **100**
Previous Crop: **Oats**



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5804969**
Box #: **5844**
Lab #: **NW96072**

Date Sampled: **9/13/2025** Date Received: **9/16/2025** Date Reported: **9/17/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**33 lb/acre**				
6-24"	**30 lb/acre**				
0-24"	**63 lb/acre**	******	******	******	******
Olsen Phosphorus	**21 ppm**	******	******	******	******
Potassium	**287 ppm**	******	******	******	******
0-24" Chloride	**108 lb/acre**	******	******	******	******
0-6" Sulfur	**20 lb/acre**	******	******	**	
6-24"	**54 lb/acre**	******	******	******	******
Boron	**0.9 ppm**	******	******	**	
Zinc	**5.50 ppm**	******	******	******	******
Iron	**40.1 ppm**	******	******	******	******
Manganese	**2.0 ppm**	******	******	******	
Copper	**1.86 ppm**	******	******	******	**
Magnesium	**1216 ppm**	******	******	******	******
Calcium	**3385 ppm**	******	******	******	******
Sodium	**59 ppm**	******	***		
Org. Matter	**4.3 %**	******	******	*****	
Carbonate (CCE)	**0.6 %**	****			
0-6" Sol. Salts	**0.49 mmho/cm**	******	******		
6-24"	**0.38 mmho/cm**	******	***		

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Soybeans		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**34**	**Broadcast**
K_2O	**0**	
Cl	**0**	
S	**10**	**Broadcast (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**38**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.8** 6-24" **8.4**		**28.1 meq**	(65-75) **60.3**	(15-20) **36.1**	(1-7) **2.6**	(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. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

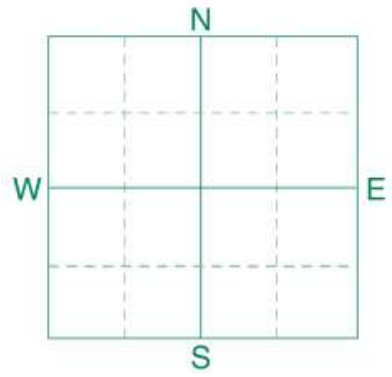
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 11 Penny NE** Q2
Field Name: **NE-20-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **20**
Township: **16** Quarter: **NE**
Range: **4E** Acres: **132**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847899**
Box #: **11690**
Lab #: **NW115411**

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**12 lb/acre**				
6-24"	**24 lb/acre**				
0-24"	**36 lb/acre**	******	******	*****	
Olsen Phosphorus	**39 ppm**	******	******	******	******
Potassium	**285 ppm**	******	******	******	******
0-24" Chloride	**96 lb/acre**	******	******	******	******
0-6" Sulfur	**24 lb/acre**	******	******	****	
6-24"	**90 lb/acre**	******	******	******	******
Boron	**1.1 ppm**	******	******	****	
Zinc	**2.00 ppm**	******	******	******	******
Iron	**33.9 ppm**	******	******	******	******
Manganese	**2.0 ppm**	******	******	******	
Copper	**1.5 ppm**	******	******	******	*
Magnesium	**1233 ppm**	******	******	******	******
Calcium	**4443 ppm**	******	******	******	******
Sodium	**34 ppm**	*****			
Org. Matter	**4.2 %**	******	******	*****	
Carbonate (CCE)	**1.7 %**	******	***		
0-6" Sol. Salts	**0.43 mmho/cm**	******	****		
6-24"	**0.45 mmho/cm**	******	*****		

1st Crop Choice		
Rye		
YIELD GOAL		
90 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**180**	
P_2O_5	**56**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Rye		
YIELD GOAL		
100 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**204**	
P_2O_5	**63**	**Broadcast**
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Rye		
YIELD GOAL		
110 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**228**	
P_2O_5	**69**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.3**		**33.4 meq**	(65-75) **66.6**	(15-20) **30.8**	(1-7) **2.2**	(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: P_2O_5 = 56 K_2O = 34 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 63 K_2O = 38 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

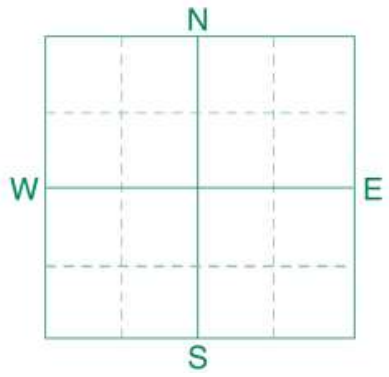
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 69 K_2O = 41 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Joes SW** Q3
Field Name: **SW-20-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **20**
Township: **16** Quarter: **SW**
Range: **4E** Acres: **100**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5821555**
Box #: **10505**
Lab #: **NW103777**

Date Sampled: **9/19/2025** Date Received: **9/20/2025** Date Reported: **9/23/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**39 lb/acre**				
6-24"	**27 lb/acre**				
0-24"	**66 lb/acre**	******	******	******	******
Olsen Phosphorus	**21 ppm**	******	******	******	******
Potassium	**409 ppm**	******	******	******	******
0-24" Chloride	**32 lb/acre**	******	******	*	
0-6" Sulfur	**28 lb/acre**	******	******	*****	
6-24"	**72 lb/acre**	******	******	******	******
Boron	**0.6 ppm**	******	***		
Zinc	**0.66 ppm**	******	******	*	
Iron	**81.6 ppm**	******	******	******	******
Manganese	**2.3 ppm**	******	******	******	*
Copper	**1.89 ppm**	******	******	******	**
Magnesium	**1498 ppm**	******	******	******	******
Calcium	**5153 ppm**	******	******	******	******
Sodium	**36 ppm**	*****			
Org. Matter	**4.8 %**	******	******	******	*
Carbonate (CCE)	**0.9 %**	*****			
0-6" Sol. Salts	**0.62 mmho/cm**	******	******	***	
6-24"	**0.56 mmho/cm**	******	******	*	

1st Crop Choice		
Beans-Pinto		
YIELD GOAL		
2000 LBS		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**14**	
P_2O_5	**28**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**1**	**Band**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Beans-Pinto		
YIELD GOAL		
2200 LBS		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**22**	
P_2O_5	**31**	**Broadcast**
K_2O	**0**	
Cl	**0**	
S	**10**	**Broadcast (Trial)**
B	**0**	
Zn	**3**	**Broadcast**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Beans-Pinto		
YIELD GOAL		
2400 LBS		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**30**	
P_2O_5	**34**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**2**	**Band**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.4** 6-24" **8.0**		**39.5 meq**	(65-75) **65.3**	(15-20) **31.6**	(1-7) **2.7**	(0-5) **0.4**	(0-5) **0.0**

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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 28 K_2O = 28 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

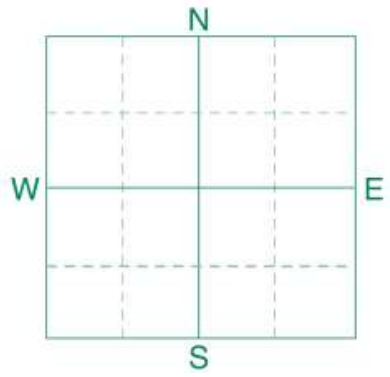
Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 31 K_2O = 31 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 34 K_2O = 34 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 11 Penny SE** Q4
Field Name: **SE-20-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **20**
Township: **16** Quarter: **SE**
Range: **4E** Acres: **143**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847898**
Box #: **11620**
Lab #: **NW115410**

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24" Nitrate	41 lb/acre 36 lb/acre				
0-24" Nitrate	77 lb/acre	******	******	******	******
Olsen Phosphorus	27 ppm	******	******	******	******
Potassium	420 ppm	******	******	******	******
0-24" Chloride	140 lb/acre	******	******	******	******
0-6" Sulfur	28 lb/acre	******	******	*****	
6-24" Sulfur	174 lb/acre	******	******	******	******
Boron	1.6 ppm	******	******	******	*****
Zinc	1.42 ppm	******	******	******	**
Iron	33.6 ppm	******	******	******	******
Manganese	3.2 ppm	******	******	******	**
Copper	1.49 ppm	******	******	******	*
Magnesium	1710 ppm	******	******	******	******
Calcium	4769 ppm	******	******	******	******
Sodium	44 ppm	******			
Org. Matter	5.2 %	******	******	******	***
Carbonate (CCE)	1.5 %	******	**		
0-6" Sol. Salts	0.64 mmho/cm	******	******	***	
6-24" Sol. Salts	0.66 mmho/cm	******	******	****	

1st Crop Choice		
Rye		
YIELD GOAL		
90 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	139	
P_2O_5	56	Band *
K_2O	10	Band (Starter)*
Cl	0	
S	0	
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Rye		
YIELD GOAL		
100 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	163	
P_2O_5	63	Broadcast
K_2O	10	Band (Starter)*
Cl	0	
S	0	
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Rye		
YIELD GOAL		
110 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	187	
P_2O_5	69	Band *
K_2O	10	Band (Starter)*
Cl	0	
S	0	
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.4**		**39.4 meq**	(65-75) **60.6**	(15-20) **36.2**	(1-7) **2.7**	(0-5) **0.5**	(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: P_2O_5 = 56 K_2O = 34 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 63 K_2O = 38 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 69 K_2O = 41 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

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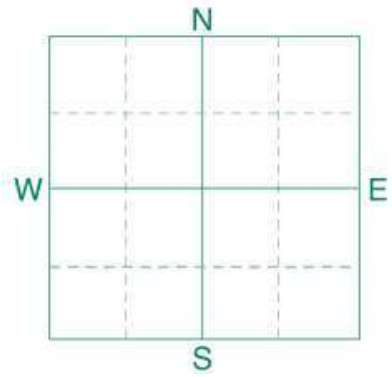
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 12 Mellen NW** R1
Field Name: **NW-21-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **21**
Township: **16** Quarter: **NW**
Range: **4E** Acres: **205**
Previous Crop: **Rye**



Ref #: **6023394**
Box #: **4475**
Lab #: **NW258184**

SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Date Sampled: **11/9/2025** Date Received: **11/18/2025** Date Reported: **11/19/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"**	**9 lb/acre** **9 lb/acre**				
0-24" Nitrate	**18 lb/acre**	******	*		
Olsen Phosphorus	**23 ppm**	******	******	******	******
Potassium	**292 ppm**	******	******	******	******
0-24" Chloride	**32 lb/acre**	******	******	*	
0-6" **6-24"** Sulfur	**14 lb/acre** **30 lb/acre**	****** ******	****** ******	******	
Boron	**1.0 ppm**	******	******	***	
Zinc	**2.46 ppm**	******	******	******	******
Iron	**27.5 ppm**	******	******	******	******
Manganese	**2.7 ppm**	******	******	******	*
Copper	**1.36 ppm**	******	******	******	*
Magnesium	**680 ppm**	******	******	******	******
Calcium	**5292 ppm**	******	******	******	******
Sodium	**14 ppm**	**			
Org. Matter	**3.7 %**	******	******	***	
Carbonate (CCE)	**6.6 %**	******	******	******	**
0-6" **6-24"** Sol. Salts	**0.32 mmho/cm** **0.33 mmho/cm**	****** ******	** **		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
44 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**136**	
P_2O_5	**40**	**Band ***
K_2O	**0**	
Cl		**Not Available**
S	**17**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**158**	
P_2O_5	**41**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**8**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.3**		**32.9 meq**	(65-75) **80.3**	(15-20) **17.2**	(1-7) **2.3**	(0-5) **0.2**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 40 K_2O = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: 17 lb potassium chloride (0-0-60-50Cl) = 8 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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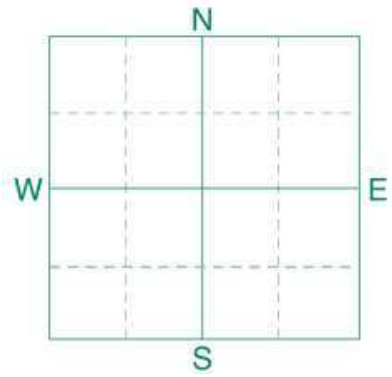
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 12 Mellen SW**
Field Name: **SW-21-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **21**
Township: **16** Quarter: **SW**
Range: **4E** Acres: **205**
Previous Crop: **Rye**

R2



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **6023395**
Box #: **4418**
Lab #: **NW258185**

Date Sampled: **11/9/2025** Date Received: **11/18/2025** Date Reported: **11/19/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"**	**8 lb/acre** **6 lb/acre**				
0-24" Nitrate	**14 lb/acre**	******			
Olsen Phosphorus	**32 ppm**	******	******	******	******
Potassium	**274 ppm**	******	******	******	******
0-24" Chloride	**40 lb/acre**	******	******	******	
0-6" **6-24"** Sulfur	**10 lb/acre** **42 lb/acre**	****** ******	*** ******	******	*****
Boron	**0.9 ppm**	******	******	*	
Zinc	**4.28 ppm**	******	******	******	******
Iron	**25.9 ppm**	******	******	******	******
Manganese	**2.2 ppm**	******	******	******	
Copper	**1.31 ppm**	******	******	******	*
Magnesium	**675 ppm**	******	******	******	******
Calcium	**3265 ppm**	******	******	******	******
Sodium	**12 ppm**	**			
Org. Matter	**3.7 %**	******	******	***	
Carbonate (CCE)	**1.9 %**	******	***		
0-6" **6-24"** Sol. Salts	**0.25 mmho/cm** **0.37 mmho/cm**	****** ******	***		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
44 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**140**	
P_2O_5	**40**	**Band ***
K_2O	**0**	
Cl		**Not Available**
S	**17**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**162**	
P_2O_5	**41**	**Band ***
K_2O	**10**	**Band (Starter)***
Cl	**0**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.3**		**22.7 meq**	(65-75) **71.9**	(15-20) **24.8**	(1-7) **3.1**	(0-5) **0.2**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 40 K_2O = 20 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.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
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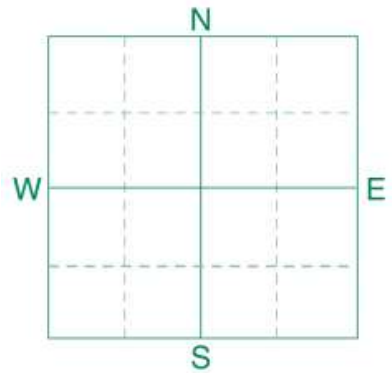
Benson: (320) 843-4109

SOIL TEST REPORT

S1

Field ID: **Field 39 Benji**
Field Name: **E-NE-18-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **18**
Township: **16** Quarter: **NE**
Range: **4E** Acres: **75**
Previous Crop: **Barley**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5794757**
Box #: **5272**
Lab #: **NW87982**

Date Sampled: **9/10/2025** Date Received: **9/11/2025** Date Reported: **9/12/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**5 lb/acre**				
6-24"	**9 lb/acre**				
0-24"	**14 lb/acre**	******			
Olsen Phosphorus	**30 ppm**	******	******	******	******
Potassium	**299 ppm**	******	******	******	******
0-24" Chloride	**24 lb/acre**	******	***		
0-6" Sulfur	**38 lb/acre**	******	******	******	***
6-24"	**36 lb/acre**	******	******	******	**
Boron	**0.8 ppm**	******	*****		
Zinc	**2.48 ppm**	******	******	******	******
Iron	**34.3 ppm**	******	******	******	******
Manganese	**1.9 ppm**	******	******	******	
Copper	**1.7 ppm**	******	******	******	*
Magnesium	**932 ppm**	******	******	******	******
Calcium	**4273 ppm**	******	******	******	******
Sodium	**20 ppm**	***			
Org. Matter	**4.2 %**	******	******	*****	
Carbonate (CCE)	**2.0 %**	******	****		
0-6" Sol. Salts	**0.42 mmho/cm**	******	****		
6-24"	**0.39 mmho/cm**	******	***		

1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
Canola-bu		Canola-bu		Canola-bu	
YIELD GOAL		YIELD GOAL		YIELD GOAL	
40 BU		45 BU		50 BU	
SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
Band/Maint.		Broadcast/Maint.		Band/Maint.	
LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
N **126**		N **144**		N **161**	
P_2O_5 **36**	**Band ***	P_2O_5 **41**	**Broadcast**	P_2O_5 **45**	**Band ***
K_2O **0**		K_2O **0**		K_2O **0**	
Cl	**Not Available**	Cl	**Not Available**	Cl	**Not Available**
S **15**	**Band**	S **10**	**Broadcast**	S **15**	**Band**
B **1**	**Broadcast**	B **1**	**Broadcast**	B **1**	**Broadcast**
Zn **0**		Zn **0**		Zn **0**	
Fe **0**		Fe **0**		Fe **0**	
Mn **0**		Mn **0**		Mn **0**	
Cu **0**		Cu **0**		Cu **0**	
Mg **0**		Mg **0**		Mg **0**	
Lime **0**		Lime **0**		Lime **0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.3**		**30 meq**	(65-75) **71.3**	(15-20) **25.9**	(1-7) **2.6**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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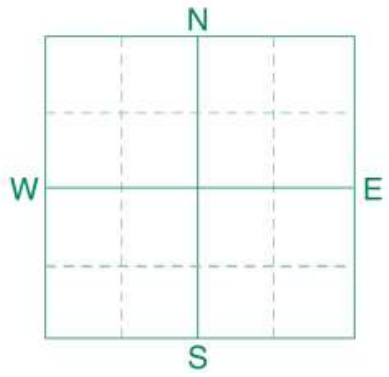
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Holmes**
Field Name: **SW-18-16-4E** S2
Sample ID: **1**
County: **St. Andrews RM** Section: **18**
Township: **16** Quarter: **SW**
Range: **4E** Acres: **290**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5804958**
Box #: **5818**
Lab #: **NW96063**

Date Sampled: **9/14/2025** Date Received: **9/16/2025** Date Reported: **9/17/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **4 lb/acre** **6-24"** **3 lb/acre** **0-24"** **7 lb/acre** Nitrate		***			
Olsen Phosphorus	**11 ppm**	******	******	******	
Potassium	**306 ppm**	******	******	******	******
0-24" Chloride	**20 lb/acre**	******	**		
0-6" **12 lb/acre** **6-24"** **36 lb/acre** Sulfur		****** ******	**** ******	******	**
Boron	**0.8 ppm**	******	*****		
Zinc	**0.57 ppm**	******	*****		
Iron	**31.4 ppm**	******	******	******	******
Manganese	**1.7 ppm**	******	******	****	
Copper	**0.9 ppm**	******	******	******	
Magnesium	**970 ppm**	******	******	******	******
Calcium	**3984 ppm**	******	******	******	******
Sodium	**29 ppm**	****			
Org. Matter	**4.6 %**	******	******	******	
Carbonate (CCE)	**1.3 %**	******	*		
0-6" **0.25 mmho/cm** **6-24"** **0.38 mmho/cm** Sol. Salts		****** ******	 ***		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	168	
P_2O_5	45	Band *
K_20	0	
Cl		Not Available
S	17	Band
B	1	Broadcast
Zn	2	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Wheat-Spring		
YIELD GOAL		
65 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	169	
P_2O_5	41	Band *
K_20	10	Band (Starter)*
Cl	20	Broadcast
S	7	Band (Trial)
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	30	Band *
K_20	0	
Cl	0	
S	7	Band (Trial)
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.8** 6-24" **8.2**		**28.9 meq**	(65-75) **68.9**	(15-20) **28.0**	(1-7) **2.7**	(0-5) **0.4**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: 44 lb potassium chloride (0-0-60-50Cl) = 20 lb chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 24 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

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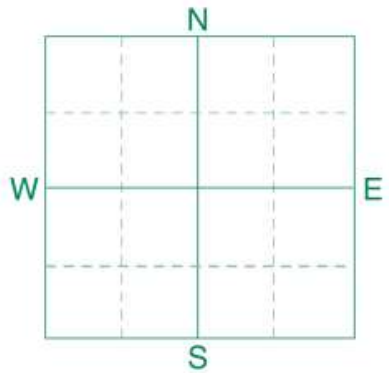
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Holmes**
Field Name: **SE-18-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **18**
Township: **16** Quarter: **SE**
Range: **4E** Acres: **290**
Previous Crop: **Wheat-Spring**

S3



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5804959**
Box #: **5818**
Lab #: **NW96064**

Date Sampled: **9/14/2025** Date Received: **9/16/2025** Date Reported: **9/17/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**12 lb/acre**				
6-24"	**6 lb/acre**				
0-24"	**18 lb/acre**	******	*		
Olsen Phosphorus	**6 ppm**	******	****		
Potassium	**220 ppm**	******	******	******	******
0-24" Chloride	**8 lb/acre**	***			
0-6" Sulfur	**22 lb/acre**	******	******	***	
6-24"	**42 lb/acre**	******	******	******	*****
Boron	**0.7 ppm**	******	*****		
Zinc	**0.42 ppm**	******	**		
Iron	**26.9 ppm**	******	******	******	******
Manganese	**1.7 ppm**	******	******	****	
Copper	**0.83 ppm**	******	******	******	
Magnesium	**752 ppm**	******	******	******	******
Calcium	**5520 ppm**	******	******	******	******
Sodium	**20 ppm**	***			
Org. Matter	**4.1 %**	******	******	****	
Carbonate (CCE)	**4.4 %**	******	******	*****	
0-6" Sol. Salts	**0.22 mmho/cm**	*****			
6-24"	**0.24 mmho/cm**	******			

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Beans-Pinto			Beans-Pinto			Beans-Pinto		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
2000 LBS			2200 LBS			2400 LBS		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Broadcast/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**62**		N	**70**		N	**78**	
P_2O_5	**36**	**Band ***	P_2O_5	**73**	**Broadcast**	P_2O_5	**43**	**Band ***
K_2O	**28**	**Band ***	K_2O	**31**	**Broadcast**	K_2O	**34**	**Band ***
Cl	**0**		Cl	**0**		Cl	**0**	
S	**5**	**Band (Trial)**	S	**10**	**Broadcast (Trial)**	S	**5**	**Band (Trial)**
B	**0**		B	**0**		B	**0**	
Zn	**2**	**Band**	Zn	**6**	**Broadcast**	Zn	**3**	**Band**
Fe	**0**		Fe	**0**		Fe	**0**	
Mn	**0**		Mn	**0**		Mn	**0**	
Cu	**0**		Cu	**0**		Cu	**0**	
Mg	**0**		Mg	**0**		Mg	**0**	
Lime	**0**		Lime	**0**		Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.5**		**34.5 meq**	(65-75) **80.0**	(15-20) **18.2**	(1-7) **1.6**	(0-5) **0.3**	(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: P_2O_5 = 28 K_2O = 28 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 31 K_2O = 31 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 34 K_2O = 34 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

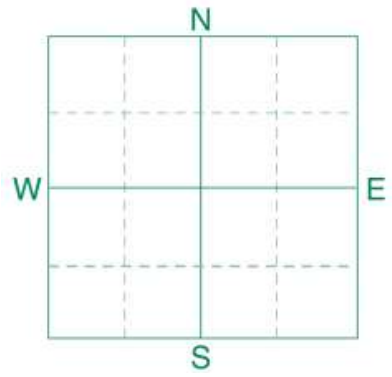
AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

T1

Field ID: **Field 6 Runway West**
Field Name: **NE-17-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **17**
Township: **16** Quarter: **NE**
Range: **4E** Acres: **157**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5804960**
Box #: **5811**
Lab #: **NW96065**

Date Sampled: **9/14/2025** Date Received: **9/16/2025** Date Reported: **9/17/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"**	**4 lb/acre** **21 lb/acre**				
0-24" Nitrate	**25 lb/acre**	******	****		
Olsen Phosphorus	**15 ppm**	******	******	******	******
Potassium	**269 ppm**	******	******	******	******
0-24" Chloride	**168 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**56 lb/acre** **120 lb/acre**	****** ******	****** ******	****** ******	****** ******
Boron	**1.2 ppm**	******	******	******	
Zinc	**1.60 ppm**	******	******	******	****
Iron	**19.7 ppm**	******	******	******	******
Manganese	**1.3 ppm**	******	******	**	
Copper	**1.59 ppm**	******	******	******	*
Magnesium	**1549 ppm**	******	******	******	******
Calcium	**4986 ppm**	******	******	******	******
Sodium	**51 ppm**	******	**		
Org. Matter	**4.1 %**	******	******	****	
Carbonate (CCE)	**5.8 %**	******	******	******	*
0-6" **6-24"** Sol. Salts	**0.51 mmho/cm** **0.6 mmho/cm**	****** ******	****** ******	**	

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Soybeans		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**36**	**Broadcast**
K_2O	**0**	
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**38**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.6**		**38.7 meq**	(65-75) **64.3**	(15-20) **33.3**	(1-7) **1.8**	(0-5) **0.6**	(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. Soybean iron deficiency (IDC) risk is very high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is very high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is very high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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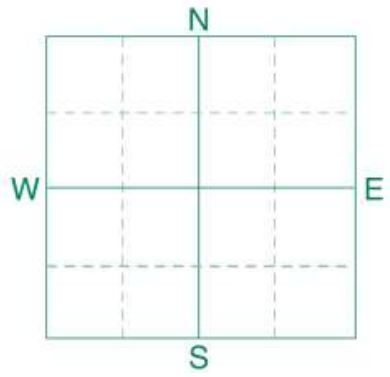
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Artys**
Field Name: **S-17-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **17**
Township: **16** Quarter: **S**
Range: **4E** Acres: **310**
Previous Crop: **Barley**

T2/T3



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5794756**
Box #: **5255**
Lab #: **NW88188**

Date Sampled: **9/10/2025** Date Received: **9/11/2025** Date Reported: **9/12/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24" 0-24" Nitrate	15 lb/acre 12 lb/acre 27 lb/acre	******	*****		
Olsen Phosphorus	9 ppm	******	******	**	
Potassium	229 ppm	******	******	******	******
0-24" Chloride	80 lb/acre	******	******	******	******
0-6" 6-24" Sulfur	52 lb/acre 228 lb/acre	****** ******	****** ******	****** ******	****** ******
Boron	2.9 ppm	******	******	******	******
Zinc	0.47 ppm	******	***		
Iron	25.9 ppm	******	******	******	******
Manganese	2.1 ppm	******	******	******	
Copper	1.61 ppm	******	******	******	*
Magnesium	2320 ppm	******	******	******	******
Calcium	5048 ppm	******	******	******	******
Sodium	78 ppm	******	******		
Org. Matter	6.5 %	******	******	******	******
Carbonate (CCE)	3.4 %	******	******	**	
0-6" 6-24" Sol. Salts	0.62 mmho/cm 0.7 mmho/cm	****** ******	****** ******	*** *****	

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	113	
P_2O_5	36	Band *
K_2O	18	Band *
Cl		Not Available
S	10	Band
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	131	
P_2O_5	74	Broadcast
K_2O	20	Broadcast
Cl		Not Available
S	10	Broadcast
B	0	
Zn	3	Broadcast
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	148	
P_2O_5	45	Band *
K_2O	23	Band *
Cl		Not Available
S	10	Band
B	0	
Zn	2	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.5** 6-24" **8.6**		**45.5 meq**	(65-75) **55.5**	(15-20) **42.5**	(1-7) **1.3**	(0-5) **0.7**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

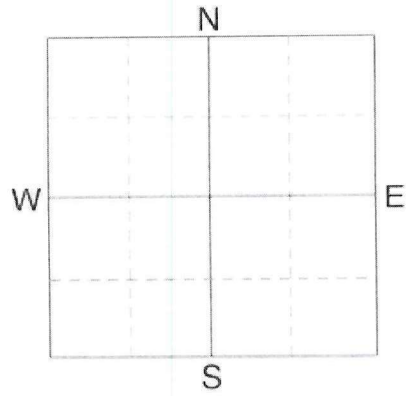
Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

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

SOIL TEST REPORT

FIELD ID **Field 6 Runway North**
SAMPLE ID **1** U1
FIELD NAME **N-16-16-4E**
COUNTY **St. Andrews RM**
TWP **16** RANGE **4E**
SECTION **16** QTR **N** ACRES **166**
PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd

Petersfield, MB

SUBMITTED BY: **AG8273**
MYLES WHITE
BOX 169
BALMORAL, MB **R0C 0H0**

REF # **4158015** BOX # **1219**
LAB # **NW70670**

Date Sampled **09/01/2023** Date Received **09/05/2023** Date Reported **09/06/2023**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" / 6-24" Nitrate	10 lb/acre / 12 lb/acre	*********			
0-24" Nitrate	22 lb/acre				
Olsen Phosphorus	15 ppm	******	******	******	******
Potassium	205 ppm	******	******	******	******
0-24" Chloride	44 lb/acre	******	******	*******	
0-6" / 6-24" Sulfur	10 lb/acre / 30 lb/acre	*********	******	******	
Boron	0.8 ppm	******	******		
Zinc	1.26 ppm	******	******	********	**
Iron	31.7 ppm	******	******	******	******
Manganese	2.4 ppm	******	******	*******	
Copper	1.1 ppm	******	******	******	
Magnesium	631 ppm	******	******	******	******
Calcium	5140 ppm	******	******	******	******
Sodium	20 ppm	***			
Org.Matter	3.5 %	**********	**		
Carbonate(CCE)	5.4 %	******	******	******	
0-6" / 6-24" Sol. Salts	0.3 mmho/cm / 0.24 mmho/cm	*******	*		

1st Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	153	
P_2O_5	45	Band *
K_2O	23	Band *
Cl		Not Available
S	17	Band
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime		

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	136	
P_2O_5	41	Band *
K_2O	20	Band *
Cl		Not Available
S	17	Band
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime		

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	136	
P_2O_5	50	Broadcast
K_2O	20	Broadcast
Cl		Not Available
S	25	Broadcast
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.5**		**31.6 meq**	(65-75) **81.4**	(15-20) **16.7**	(1-7) **1.7**	(0-5) **0.3**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 41 K2O = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

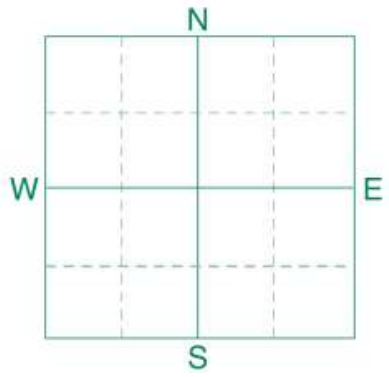
Crop 3: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 41 K2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 6 Runway NE**
Field Name: **NE-16-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **16**
Township: **16** Quarter: **NE**
Range: **4E** Acres: **166**
Previous Crop: **Wheat-Spring**

U2



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5804962**
Box #: **5811**
Lab #: **NW96067**

Date Sampled: **9/14/2025** Date Received: **9/16/2025** Date Reported: **9/17/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** **0-24"** Nitrate	**2 lb/acre** **81 lb/acre** **83 lb/acre**	****** ****** ******	****** ****** ******	****** ****** ******	****** ****** ******
Olsen Phosphorus	**16 ppm**	******	******	******	******
Potassium	**238 ppm**	******	******	******	******
0-24" Chloride	**140 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**14 lb/acre** **66 lb/acre**	****** ******	****** ******	******	******
Boron	**0.7 ppm**	******	****		
Zinc	**1.54 ppm**	******	******	******	***
Iron	**21.2 ppm**	******	******	******	******
Manganese	**1.5 ppm**	******	******	***	
Copper	**1.1 ppm**	******	******	******	
Magnesium	**655 ppm**	******	******	******	******
Calcium	**4755 ppm**	******	******	******	******
Sodium	**31 ppm**	*****			
Org. Matter	**3.6 %**	******	******	**	
Carbonate (CCE)	**5.1 %**	******	******	******	
0-6" **6-24"** Sol. Salts	**0.28 mmho/cm** **0.36 mmho/cm**	****** ******	* **		

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**47**	**Band ***
Cl	**0**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Soybeans		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**34**	**Broadcast**
K_2O	**0**	
Cl	**0**	
S	**15**	**Broadcast**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**38**	**Band ***
K_2O	**59**	**Band ***
Cl	**0**	
S	**7**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.5**		**30 meq**	(65-75) **79.3**	(15-20) **18.2**	(1-7) **2.0**	(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. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

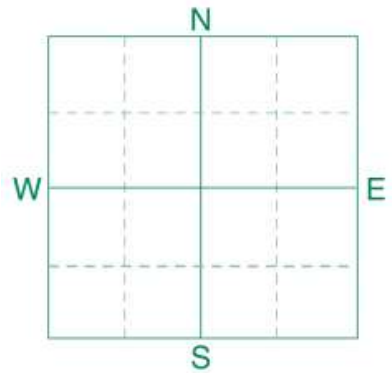
Crop 2: May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 5 S Hanger N of Dra**
Field Name: **SE & SW-16-16-4E** U3/U4
Sample ID: **1**
County: **St. Andrews RM** Section: **16**
Township: **16** Quarter: **SE & SW**
Range: **4E** Acres: **295**
Previous Crop: **Canola-bu**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847919**
Box #: **11694**
Lab #: **NW115416**

Date Sampled: **9/25/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **19 lb/acre** **6-24"** **54 lb/acre** **0-24"** **73 lb/acre** Nitrate		******	******	******	******
Olsen **16 ppm** Phosphorus		******	******	******	******
Potassium	**216 ppm**	******	******	******	******
0-24" **208 lb/acre** Chloride		******	******	******	******
0-6" **48 lb/acre** **6-24"** **360 +lb/acre** Sulfur		****** ******	****** ******	****** ******	****** ******
Boron	**1.3 ppm**	******	******	******	*
Zinc	**2.25 ppm**	******	******	******	******
Iron	**22.7 ppm**	******	******	******	******
Manganese	**1.9 ppm**	******	******	******	
Copper	**1.43 ppm**	******	******	******	*
Magnesium	**1098 ppm**	******	******	******	******
Calcium	**5202 ppm**	******	******	******	******
Sodium	**47 ppm**	******	*		
Org. Matter	**4.5 %**	******	******	******	
Carbonate (CCE)	**5.5 %**	******	******	******	
0-6" **0.52 mmho/cm** **6-24"** **0.68 mmho/cm** Sol. Salts		****** ******	****** ******	 ****	

1st Crop Choice		
Barley-Feed		
YIELD GOAL		
90 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**85**	
P_2O_5	**42**	**Band ***
K_2O	**45**	**Band ***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Barley-Feed		
YIELD GOAL		
100 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**102**	
P_2O_5	**47**	**Broadcast**
K_2O	**50**	**Broadcast**
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Barley-Feed		
YIELD GOAL		
120 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**137**	
P_2O_5	**56**	**Band ***
K_2O	**60**	**Band ***
Cl	**0**	
S	**0**	
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.4**		**35.9 meq**	(65-75) **72.4**	(15-20) **25.5**	(1-7) **1.5**	(0-5) **0.6**	(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. Crop nutrient removal: P_2O_5 = 42 K_2O = 45 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 47 K_2O = 50 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 56 K_2O = 60 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Analysis by AGVISE Laboratories
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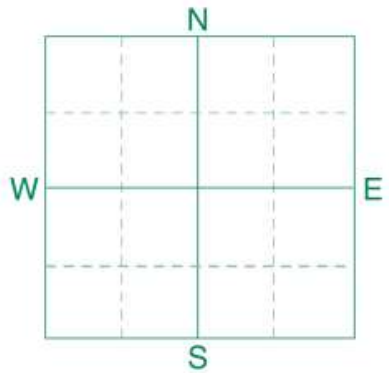
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 3 Humbert**
Field Name: **NE-11-16-3E**
Sample ID: **1**
County: **St. Andrews RM** Section: **11**
Township: **16** Quarter: **NE**
Range: **3E** Acres: **155**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5794755**
Box #: **5202**
Lab #: **NW87981**

Date Sampled: **9/10/2025** Date Received: **9/11/2025** Date Reported: **9/12/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **6-24"** **0-24"** Nitrate	**20 lb/acre** **33 lb/acre** **53 lb/acre**	******	******	******	******
Olsen Phosphorus	**17 ppm**	******	******	******	******
Potassium	**318 ppm**	******	******	******	******
0-24" Chloride	**476 lb/acre**	******	******	******	******
0-6" **6-24"** Sulfur	**104 lb/acre** **360 +lb/acre**	****** ******	****** ******	****** ******	****** ******
Boron	**1.7 ppm**	******	******	******	******
Zinc	**0.69 ppm**	******	******	*	
Iron	**22.3 ppm**	******	******	******	******
Manganese	**2.0 ppm**	******	******	******	
Copper	**1.48 ppm**	******	******	******	*
Magnesium	**1978 ppm**	******	******	******	******
Calcium	**5120 ppm**	******	******	******	******
Sodium	**113 ppm**	******	******	*****	
Org. Matter	**6.1 %**	******	******	******	******
Carbonate (CCE)	**2.5 %**	******	******		
0-6" **6-24"** Sol. Salts	**0.69 mmho/cm** **1.73 mmho/cm**	****** ******	****** ******	**** ******	*****

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**87**	
P_2O_5	**36**	**Band ***
K_2O	**0**	
Cl		**Not Available**
S	**10**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**105**	
P_2O_5	**41**	**Broadcast**
K_2O	**0**	
Cl		**Not Available**
S	**10**	**Broadcast**
B	**0**	
Zn	**1**	**Broadcast**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**122**	
P_2O_5	**45**	**Band ***
K_2O	**0**	
Cl		**Not Available**
S	**10**	**Band**
B	**0**	
Zn	**1**	**Band**
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.5**		**43.4 meq**	(65-75) **59.0**	(15-20) **38.0**	(1-7) **1.9**	(0-5) **1.1**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

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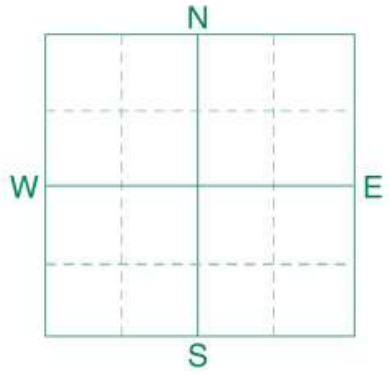
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Wyvill West NW**
Field Name: **NW-7-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **7**
Township: **16** Quarter: **NW**
Range: **4E** Acres: **154**
Previous Crop: **Oats**

W1



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847895**
Box #: **11623**
Lab #: **NW115407**

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**11 lb/acre**	******	******	*****	
6-24"	**21 lb/acre**				
0-24"	**32 lb/acre**				
Olsen Phosphorus	**8 ppm**	******	******		
Potassium	**276 ppm**	******	******	******	******
0-24" Chloride	**20 lb/acre**	******	**		
0-6" Sulfur	**20 lb/acre**	******	******	**	
6-24"	**60 lb/acre**	******	******	******	******
Boron	**0.8 ppm**	******	******		
Zinc	**0.43 ppm**	******	**		
Iron	**27.6 ppm**	******	******	******	******
Manganese	**1.9 ppm**	******	******	******	
Copper	**0.92 ppm**	******	******	******	
Magnesium	**1045 ppm**	******	******	******	******
Calcium	**3729 ppm**	******	******	******	******
Sodium	**20 ppm**	***			
Org. Matter	**3.6 %**	******	******	**	
Carbonate (CCE)	**2.1 %**	******	****		
0-6" Sol. Salts	**0.3 mmho/cm**	******	*		
6-24"	**0.42 mmho/cm**	******	****		

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	32	Band *
K_2O	0	
Cl	0	
S	5	Band (Trial)
B	0	
Zn	1	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

2nd Crop Choice		
Soybeans		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	61	Broadcast
K_2O	0	
Cl	0	
S	10	Broadcast (Trial)
B	0	
Zn	3	Broadcast
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	40	Band *
K_2O	0	
Cl	0	
S	5	Band (Trial)
B	0	
Zn	2	Band
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime	0	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.3**		**28.1 meq**	(65-75) **66.2**	(15-20) **30.9**	(1-7) **2.5**	(0-5) **0.3**	(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. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

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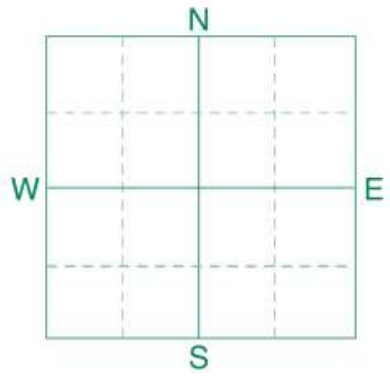
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Wyvill North East** W2
Field Name: **NE-7-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **7**
Township: **16** Quarter: **NE**
Range: **4E** Acres: **100**
Previous Crop: **Oats**



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847896**
Box #: **11625**
Lab #: **NW115408**

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" **15 lb/acre** **6-24"** **45 lb/acre** **0-24"** **60 lb/acre** Nitrate		******	******	******	******
Olsen Phosphorus	**18 ppm**	******	******	******	******
Potassium	**307 ppm**	******	******	******	******
0-24" **36 lb/acre** Chloride		******	******	***	
0-6" **54 lb/acre** **6-24"** **48 lb/acre** Sulfur		****** ******	****** ******	****** ******	****** ******
Boron	**0.7 ppm**	******	*****		
Zinc	**0.63 ppm**	******	******		
Iron	**43.0 ppm**	******	******	******	******
Manganese	**1.9 ppm**	******	******	******	
Copper	**1.24 ppm**	******	******	******	*
Magnesium	**965 ppm**	******	******	******	******
Calcium	**4582 ppm**	******	******	******	******
Sodium	**17 ppm**	**			
Org. Matter	**4.3 %**	******	******	*****	
Carbonate (CCE)	**2.7 %**	******	******		
0-6" **0.48 mmho/cm** **6-24"** **0.48 mmho/cm** Sol. Salts		****** ******	****** ******		

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Soybeans			Soybeans			Soybeans		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
40 BU			45 BU			50 BU		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Band/Maint.			Broadcast/Maint.			Band/Maint.		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	***		N	***		N	***	
P_2O_5	**30**	**Band ***	P_2O_5	**34**	**Broadcast**	P_2O_5	**38**	**Band ***
K_2O	**0**		K_2O	**0**		K_2O	**0**	
Cl	**0**		Cl	**0**		Cl	**0**	
S	**0**		S	**0**		S	**0**	
B	**0**		B	**0**		B	**0**	
Zn	**0**		Zn	**1**	**Broadcast**	Zn	**1**	**Band**
Fe	**0**		Fe	**0**		Fe	**0**	
Mn	**0**		Mn	**0**		Mn	**0**	
Cu	**0**		Cu	**0**		Cu	**0**	
Mg	**0**		Mg	**0**		Mg	**0**	
Lime	**0**		Lime	**0**		Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.7** 6-24" **8.1**		**31.8 meq**	(65-75) **72.0**	(15-20) **25.3**	(1-7) **2.5**	(0-5) **0.2**	(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. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
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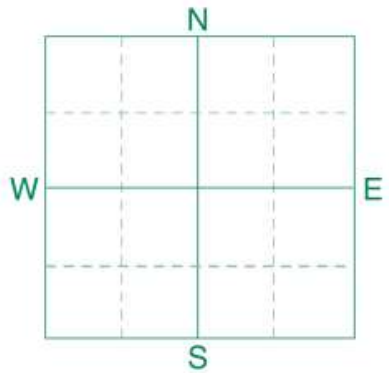
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Wyvill West SW** W3
Field Name: **SW-7-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **7**
Township: **16** Quarter: **SW**
Range: **4E** Acres: **163**
Previous Crop: **Oats**



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847894**
Box #: **11690**
Lab #: **NW115406**

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**7 lb/acre**				
6-24"	**15 lb/acre**				
0-24"	**22 lb/acre**	******	***		
Olsen Phosphorus	**24 ppm**	******	******	******	******
Potassium	**295 ppm**	******	******	******	******
0-24" Chloride	**24 lb/acre**	******	***		
0-6" Sulfur	**24 lb/acre**	******	******	****	
6-24"	**54 lb/acre**	******	******	******	******
Boron	**0.6 ppm**	******	***		
Zinc	**1.15 ppm**	******	******	******	*
Iron	**66.9 ppm**	******	******	******	******
Manganese	**2.4 ppm**	******	******	******	*
Copper	**1.22 ppm**	******	******	******	*
Magnesium	**1077 ppm**	******	******	******	******
Calcium	**3557 ppm**	******	******	******	******
Sodium	**22 ppm**	***			
Org. Matter	**4.1 %**	******	******	****	
Carbonate (CCE)	**0.7 %**	****			
0-6" Sol. Salts	**0.4 mmho/cm**	******	****		
6-24"	**0.47 mmho/cm**	******	*****		

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Soybeans		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**34**	**Broadcast**
K_2O	**0**	
Cl	**0**	
S	**10**	**Broadcast (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**38**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.4** 6-24" **8.0**		**27.6 meq**	(65-75) **64.4**	(15-20) **32.5**	(1-7) **2.7**	(0-5) **0.3**	(0-5) **0.0**

General Comments: Medium-textured (CEC: 11-30 meq) Percent hydrogen is estimated from water pH, CEC corrected for exchangeable acidity.

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

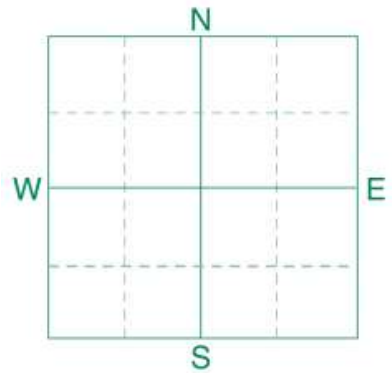
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

AGVISE LABORATORIES

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Wyvill South East** W4
Field Name: **SE-7-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **7**
Township: **16** Quarter: **SE**
Range: **4E** Acres: **160**
Previous Crop: **Oats**



SUBMITTED FOR:

Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:

MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847897**
Box #: **11517**
Lab #: **NW115409**

Date Sampled: **9/26/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**20 lb/acre**				
6-24"	**33 lb/acre**				
0-24"	**53 lb/acre**	******	******	******	******
Olsen Phosphorus	**32 ppm**	******	******	******	******
Potassium	**337 ppm**	******	******	******	******
0-24" Chloride	**36 lb/acre**	******	******	***	
0-6" Sulfur	**24 lb/acre**	******	******	****	
6-24"	**42 lb/acre**	******	******	******	*****
Boron	**0.7 ppm**	******	*****		
Zinc	**1.74 ppm**	******	******	******	****
Iron	**70.3 ppm**	******	******	******	******
Manganese	**2.3 ppm**	******	******	******	*
Copper	**1.29 ppm**	******	******	******	*
Magnesium	**977 ppm**	******	******	******	******
Calcium	**3951 ppm**	******	******	******	******
Sodium	**17 ppm**	**			
Org. Matter	**4.8 %**	******	******	******	*
Carbonate (CCE)	**1.3 %**	******	*		
0-6" Sol. Salts	**0.49 mmho/cm**	******	******		
6-24"	**0.45 mmho/cm**	******	*****		

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**30**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Soybeans		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**34**	**Broadcast**
K_2O	**0**	
Cl	**0**	
S	**10**	**Broadcast (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**38**	**Band ***
K_2O	**0**	
Cl	**0**	
S	**5**	**Band (Trial)**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.4** 6-24" **8.0**		**28.8 meq**	(65-75) **68.5**	(15-20) **28.2**	(1-7) **3.0**	(0-5) **0.3**	(0-5) **0.0**

General Comments: Medium-textured (CEC: 11-30 meq) Percent hydrogen is estimated from water pH, CEC corrected for exchangeable acidity.

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 30 K_2O = 47 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.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 34 K_2O = 53 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

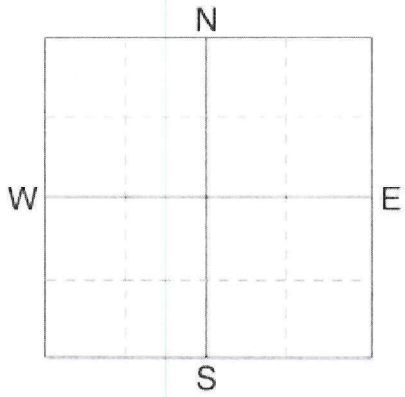
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is low, based on soil carbonate and salinity. Crop nutrient removal: P_2O_5 = 38 K_2O = 59 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

SOIL TEST REPORT

AGVISE LABORATORIES

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

FIELD ID **Field 9 NE** X
SAMPLE ID **1**
FIELD NAME **NE-8-16-4E**
COUNTY **St. Andrews RM**
TWP **16** RANGE **4E**
SECTION **8** QTR **NE** ACRES **157**
PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd

Petersfield, MB

SUBMITTED BY: **AG8273**
MYLES WHITE
BOX 169
BALMORAL, MB **R0C 0H0**

REF # **4158012** BOX # **1175**
LAB # **NW70668**

Date Sampled **09/01/2023** Date Received **09/05/2023** Date Reported **09/06/2023**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" 10 lb/acre 6-24" 33 lb/acre 0-24" 43 lb/acre	**********	**********	**********	
Phosphorus	Olsen 30 ppm	**********	**********	**********	**********
Potassium	275 ppm	**********	**********	**********	**********
Chloride	0-24" 200 lb/acre	**********	**********	**********	**********
Sulfur	0-6" 18 lb/acre 6-24" 258 lb/acre	**********	**********	**********	**********
Boron	1.3 ppm	**********	**********	**********	**********
Zinc	2.11 ppm	**********	**********	**********	**********
Iron	23.9 ppm	**********	**********	**********	**********
Manganese	1.6 ppm	**********	**********	**********	
Copper	1.68 ppm	**********	**********	**********	**********
Magnesium	1632 ppm	**********	**********	**********	**********
Calcium	5159 ppm	**********	**********	**********	**********
Sodium	46 ppm	**********			
Org.Matter	4.7 %	**********	**********	**********	
Carbonate(CCE)	4.6 %	**********	**********	**********	
Sol. Salts	0-6" 0.45 mmho/cm 6-24" 0.68 mmho/cm	**********	**********	**********	

1st Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	132	
P_2O_5	45	Band *
K_2O	0	
Cl		Not Available
S	15	Band
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime		

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	115	
P_2O_5	41	Band *
K_2O	0	
Cl		Not Available
S	15	Band
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime		

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	115	
P_2O_5	41	Broadcast
K_2O	0	
Cl		Not Available
S	20	Broadcast
B	0	
Zn	0	
Fe	0	
Mn	0	
Cu	0	
Mg	0	
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.2 6-24" 8.5		40.3 meq	(65-75) 64.0	(15-20) 33.7	(1-7) 1.7	(0-5) 0.5	(0-5) 0.0

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

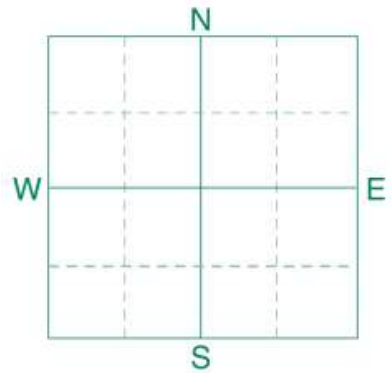
Crop 2: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 41 K2O = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 41 K2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Analysis by AGVISE Laboratories
www.agvise.com
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

Field ID: **Field 4 Fraser** Y
Field Name: **N-NE-9-16-4E**
Sample ID: **1**
County: **St. Andrews RM** Section: **9**
Township: **16** Quarter: **N-NE**
Range: **4E** Acres: **80**
Previous Crop: **Wheat-Spring**



SUBMITTED FOR:
Norwood Colony Ltd
Petersfield, MB
Canada

SUBMITTED BY:
MYLES WHITE **AG8273**
PO BOX 169
BALMORAL, MB R0C-0H0
Canada

Ref #: **5847903**
Box #: **11534**
Lab #: **NW115415**

Date Sampled: **9/25/2025** Date Received: **9/27/2025** Date Reported: **9/29/2025**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" Nitrate	**19 lb/acre**				
6-24"	**15 lb/acre**				
0-24"	**34 lb/acre**	******	******	*****	
Olsen Phosphorus	**15 ppm**	******	******	******	******
Potassium	**246 ppm**	******	******	******	******
0-24" Chloride	**56 lb/acre**	******	******	******	*****
0-6" Sulfur	**120 +lb/acre**	******	******	******	******
6-24"	**360 +lb/acre**	******	******	******	******
Boron	**1.3 ppm**	******	******	******	**
Zinc	**1.51 ppm**	******	******	******	***
Iron	**31.1 ppm**	******	******	******	******
Manganese	**1.7 ppm**	******	******	****	
Copper	**1.19 ppm**	******	******	******	*
Magnesium	**1488 ppm**	******	******	******	******
Calcium	**4717 ppm**	******	******	******	******
Sodium	**41 ppm**	******			
Org. Matter	**4.9 %**	******	******	******	*
Carbonate (CCE)	**2.0 %**	******	****		
0-6" Sol. Salts	**0.68 mmho/cm**	******	******	****	
6-24"	**0.88 mmho/cm**	******	******	******	*

1st Crop Choice		
Canola-bu		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**106**	
P_2O_5	**36**	**Band ***
K_2O	**18**	**Band ***
Cl		**Not Available**
S	**10**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

2nd Crop Choice		
Canola-bu		
YIELD GOAL		
45 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	**124**	
P_2O_5	**50**	**Broadcast**
K_2O	**20**	**Broadcast**
Cl		**Not Available**
S	**10**	**Broadcast**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

3rd Crop Choice		
Canola-bu		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Band/Maint.		
LB/ACRE		APPLICATION
N	**141**	
P_2O_5	**45**	**Band ***
K_2O	**23**	**Band ***
Cl		**Not Available**
S	**10**	**Band**
B	**0**	
Zn	**0**	
Fe	**0**	
Mn	**0**	
Cu	**0**	
Mg	**0**	
Lime	**0**	

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.3**		**36.8 meq**	(65-75) **64.1**	(15-20) **33.7**	(1-7) **1.7**	(0-5) **0.5**	(0-5) **0.0**

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

Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 36 K_2O = 18 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

Crop 2: Limited data on crop response to chloride. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 41 K_2O = 20 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

Crop 3: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P_2O_5 = 45 K_2O = 23 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.