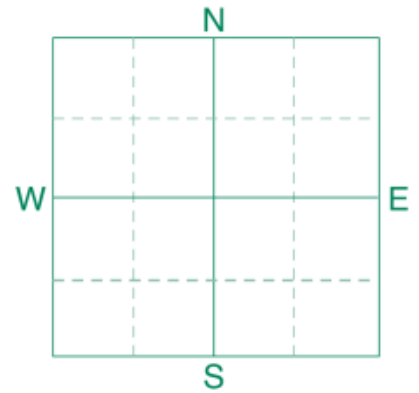




Soil Analysis by Agvise Laboratories
 (<http://www.agvise.com>)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **MV-01**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **08** RANGE **03E**
 SECTION **24** QTR **PT. W1/2** ACRES **260**
 PREV. CROP **Alfalfa**



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3450861** BOX # **2373**
 LAB # **NW165886**

Date Sampled **10/07/2021**

Date Received **10/12/2021**

Date Reported **10/15/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Alfalfa		Corn-Silage						
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
						5 Tons		17 Tons						
	0-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.						
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	28 ppm	*****				N	0	N	107	N				
Phosphorus						P ₂ O ₅	50 Band *	P ₂ O ₅	61 Band *	P ₂ O ₅				
Potassium	602 ppm	*****				K ₂ O	15 Band (Starter)*	K ₂ O	10 Band (2x2) *	K ₂ O				
Chloride						Cl		Cl		Cl				
Sulfur	0-6" 6-24"	*****				S	0	S	0	S				
Boron	1.4 ppm	*****				B	0	B	0	B				
Zinc	1.57 ppm	*****				Zn	0	Zn	0	Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper						Cu		Cu		Cu				
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Org.Matter	4.5 %	*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)						0-6" 8.2								
Sol. Salts	0-6" 6-24"	*****				6-24" 8.3								

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 25 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 50 K2O = 250 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

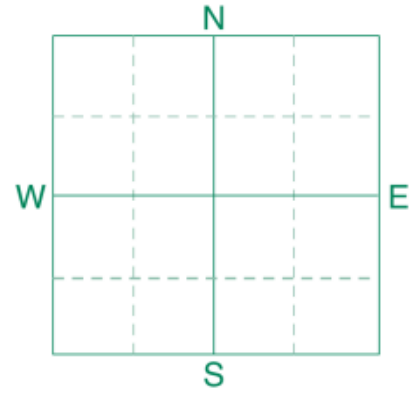
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 50 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 61 K2O = 141 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **MV-02**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **08** RANGE **03E**
 SECTION **24** QTR **PT. E1/2** ACRES **228**
 PREV. CROP **Grass/Alfalfa**



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3450862** BOX # **2373**
 LAB # **NW165887**

Date Sampled **10/07/2021**

Date Received **10/12/2021**

Date Reported **10/15/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	*****				Grass/Alfalfa		Grass/Pasture		YIELD GOAL				
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"					5 Tons		4 Tons						
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Broadcast/Maint.		Broadcast/Maint.						
Olsen	19 ppm	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus						N	56	N	101	N				
Potassium	492 ppm	*****				P ₂ O ₅	50 Broadcast	P ₂ O ₅	48 Broadcast	P ₂ O ₅				
Chloride						K ₂ O	0	K ₂ O	0	K ₂ O				
Sulfur	0-6" 6-24"	*****				Cl		Cl		Cl				
	26 lb/acre 156 lb/acre	*****				S	0	S	0	S				
Boron	1.3 ppm	*****				B	0	B	0	B				
Zinc	1.31 ppm	*****				Zn	0	Zn	0	Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper						Cu		Cu		Cu				
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter	4.6 %	*****												
Carbonate(CCE)														
Sol. Salts	0-6"	*****				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24"	*****				0-6" 8.2				% Ca	% Mg	% K	% Na	% H
	0.79 mmho/cm 0.87 mmho/cm	*****				6-24" 8.4								

Crop 1: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 50 K2O = 240 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.

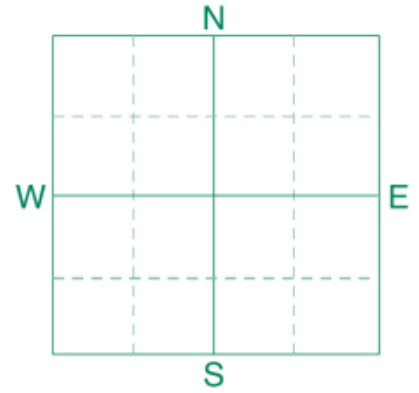
Crop 2: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **MV-03**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **08** RANGE **04E**
 SECTION **19** QTR **W 1/2** ACRES **315**
 PREV. CROP **Corn-Silage**



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3421205** BOX # **4617**
 LAB # **NW125493**

Date Sampled **09/28/2021**

Date Received **09/30/2021**

Date Reported **10/01/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Corn-Silage		Corn-Grain		Grass/Alfalfa				
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"					62 lb/acre 45 lb/acre	18 Tons	150 BU	5 Tons					
	107 lb/acre					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.		Broadcast/Maint.				
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Olsen	13 ppm	*****					N	73	N	0				
Phosphorus		*****					P ₂ O ₅	56	Band *	P ₂ O ₅	50	Broadcast		
Potassium	426 ppm	*****					K ₂ O	10	Band (2x2) *	K ₂ O	0			
Chloride		*****					Cl			Cl				
Sulfur	0-6" 6-24"	*****					S	0	S	0	S	0		
Boron	1.3 ppm	*****					B	0	B	0	B	0		
Zinc	1.36 ppm	*****					Zn	0	Zn	0	Zn	0		
Iron							Fe		Fe		Fe			
Manganese							Mn		Mn		Mn			
Copper							Cu		Cu		Cu			
Magnesium							Mg		Mg		Mg			
Calcium							Lime		Lime		Lime			
Sodium														
Org.Matter	6.0 %	*****												
Carbonate(CCE)														
Sol. Salts	0-6"	*****				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24"					0.83 mmho/cm 0.84 mmho/cm	0-6" 8.0 6-24" 8.5			% Ca	% Mg	% K	% Na	% H

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 65 K2O = 149 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: P205 = 56 K2O = 35 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

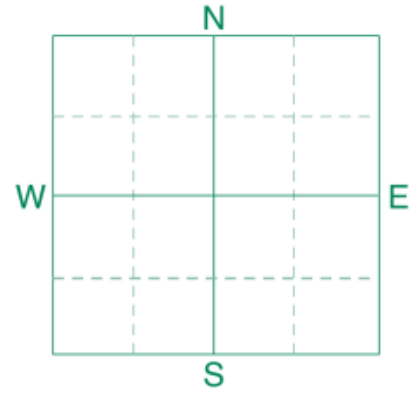
Crop 3: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 50 K2O = 240 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **MV-04**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **08** RANGE **04E**
 SECTION **18** QTR **E 1/2** ACRES **300**
 PREV. CROP **Oats**



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3450863** BOX # **2373**
 LAB # **NW165888**

Date Sampled **10/07/2021**

Date Received **10/12/2021**

Date Reported **10/15/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Corn-Silage								
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
		*****				17 Tons								
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
		*****				Band/Maint.								
		*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Olsen	30 ppm	*****				N	118		N			N		
Phosphorus		*****				P ₂ O ₅	61	Band *	P ₂ O ₅			P ₂ O ₅		
Potassium	452 ppm	*****				K ₂ O	10	Band (2x2) *	K ₂ O			K ₂ O		
Chloride		*****				Cl			Cl			Cl		
Sulfur	0-6" 6-24"	*****				S	0		S			S		
Boron	1.7 ppm	*****				B	0		B			B		
Zinc	1.79 ppm	*****				Zn	0		Zn			Zn		
Iron						Fe			Fe			Fe		
Manganese						Mn			Mn			Mn		
Copper						Cu			Cu			Cu		
Magnesium						Mg			Mg			Mg		
Calcium						Lime			Lime			Lime		
Sodium														
Org.Matter	5.6 %	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
Carbonate(CCE)		*****							% Ca	% Mg	% K	% Na	% H	
		*****				0-6" 8.1								
Sol. Salts	0-6" 6-24"	*****				6-24" 8.4								

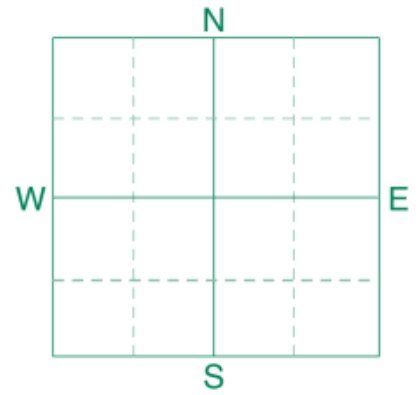
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 61 K2O = 141 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **MV-08**
 SAMPLE ID
 FIELD NAME
 COUNTY **ST. NORBERT**
 TWP RANGE
 SECTION QTR **PT. RL 232** ACRES **67**
 PREV. CROP **Corn-Silage**



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3421206** BOX # **4756**
 LAB # **NW125494**

Date Sampled **09/28/2021**

Date Received **09/30/2021**

Date Reported **10/01/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Rye								
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
		*****				70 BU								
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
		*****				Band/Maint.								
		*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Phosphorus	Olsen 23 ppm	*****				N	99		N			N		
Potassium	434 ppm	*****				P ₂ O ₅	44	Band *	P ₂ O ₅			P ₂ O ₅		
Chloride	0-24"	*****				K ₂ O	10	Band (Starter)*	K ₂ O			K ₂ O		
	0-6" 6-24"	*****				Cl	0		Cl			Cl		
Sulfur	14 lb/acre 240 lb/acre	*****				S	0		S			S		
Boron		*****				B			B			B		
Zinc		*****				Zn			Zn			Zn		
Iron		*****				Fe			Fe			Fe		
Manganese		*****				Mn			Mn			Mn		
Copper	2.29 ppm	*****				Cu	0		Cu			Cu		
Magnesium		*****				Mg			Mg			Mg		
Calcium		*****				Lime			Lime			Lime		
Sodium		*****												
Org.Matter	5.9 %	*****												
Carbonate(CCE)		*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
		*****							% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6"	*****				0-6"	8.0							
	6-24"	*****				6-24"	8.4							

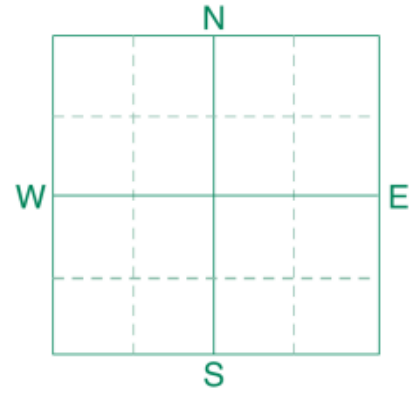
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **MV-09**
 SAMPLE ID
 FIELD NAME
 COUNTY **ST. NORBERT**
 TWP RANGE
PT. RL
 SECTION QTR **226-** ACRES **265**
229



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3421207** BOX # **4756**
 LAB # **NW125495**

Date Sampled **09/28/2021**

Date Received **09/30/2021**

Date Reported **10/01/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Rye								
Nitrate	0-6" 6-24"	17 lb/acre 39 lb/acre				YIELD GOAL		YIELD GOAL		YIELD GOAL				
			*****				70 BU							
	0-24"	56 lb/acre				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.								
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen	12 ppm				N	112	N		N				
Potassium		359 ppm				P ₂ O ₅	44	Band *	P ₂ O ₅		P ₂ O ₅			
Chloride	0-24"	80 lb/acre				K ₂ O	10	Band (Starter)*	K ₂ O		K ₂ O			
	0-6" 6-24"	14 lb/acre 72 lb/acre												
Sulfur						Cl	0		Cl		Cl			
Boron						S	0		S		S			
Zinc						B			B		B			
Iron						Zn			Zn		Zn			
Manganese						Fe			Fe		Fe			
Copper		2.36 ppm				Mn			Mn		Mn			
Magnesium						Cu	0		Cu		Cu			
Calcium						Mg			Mg		Mg			
Sodium						Lime			Lime		Lime			
Org.Matter		5.1 %				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6"	0.58 mmho/cm				0-6"	7.7							
	6-24"	0.49 mmho/cm				6-24"	8.3							

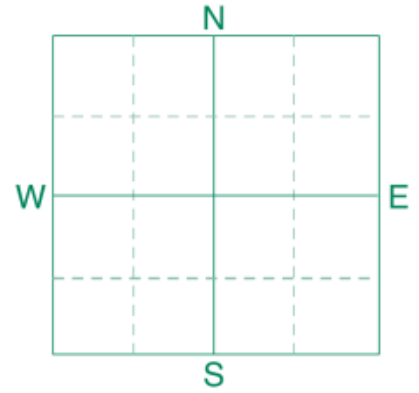
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **MV-10**
 SAMPLE ID
 FIELD NAME
 COUNTY **ST. NORBERT**
 TWP RANGE
PT. RL
 SECTION QTR **205-** ACRES **74**
208



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3427245** BOX # **4756**
 LAB # **NW125809**

Date Sampled **09/28/2021**

Date Received **09/30/2021**

Date Reported **10/01/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Rye								
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
						70 BU								
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band/Maint.								
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Phosphorus	Olsen 26 ppm	*****				N	10		N			N		
Potassium	347 ppm	*****				P ₂ O ₅	44	Band *	P ₂ O ₅			P ₂ O ₅		
Chloride	0-24"	*****				K ₂ O	10	Band (Starter)*	K ₂ O			K ₂ O		
	0-6" 6-24"	*****				Cl	0		Cl			Cl		
Sulfur	12 lb/acre 60 lb/acre	*****				S	7	Band (Trial)	S			S		
Boron						B			B			B		
Zinc						Zn			Zn			Zn		
Iron						Fe			Fe			Fe		
Manganese						Mn			Mn			Mn		
Copper	1.96 ppm	*****				Cu	0		Cu			Cu		
Magnesium						Mg			Mg			Mg		
Calcium						Lime			Lime			Lime		
Sodium														
Org.Matter	5.6 %	*****												
Carbonate(CCE)						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
									% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6"	*****				0-6"	7.5							
	6-24"	*****				6-24"	8.1							

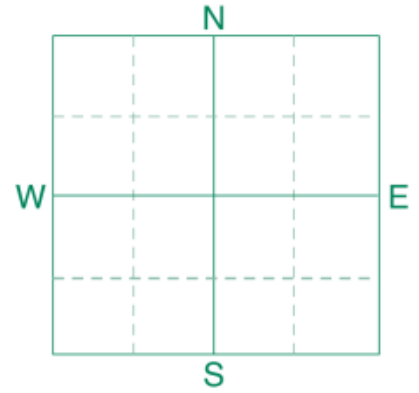
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **MV-11**
 SAMPLE ID
 FIELD NAME
 COUNTY **ST. NORBERT**
 TWP RANGE
E RL
 SECTION QTR **235-** ACRES **120**
236



SUBMITTED FOR:

Mivelaz Farms Inc
Pierre Mivelaz
Box 103
St Adolphe, MB

R5A 1A1

SUBMITTED BY: TO0533

TONE AG CONSULTING LTD.
31022 RAT RIVER RD
PO BOX 557
ST PIERRE JOLYS, MB

ROA 1V0

REF # **3421209** BOX # **4700**
 LAB # **NW125496**

Date Sampled **09/28/2021**

Date Received **09/30/2021**

Date Reported **10/01/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Corn-Silage		Corn-Grain		Grass/Alfalfa				
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****				18 Tons		150 BU		5 Tons				
	0-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		*****				Band/Maint.		Band/Maint.		Broadcast/Maint.				
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
		*****				N	107	N	100	N	0			
Potassium	530 ppm	*****				P ₂ O ₅	65 Band *	P ₂ O ₅	56 Band *	P ₂ O ₅	50 Broadcast			
Chloride		*****				K ₂ O	10 Band (2x2) *	K ₂ O	10 Band (2x2) *	K ₂ O	0			
	0-6" 6-24"	*****				Cl		Cl		Cl				
Sulfur	112 lb/acre 150 lb/acre	*****				S	0	S	0	S	0			
Boron	1.3 ppm	*****				B	0	B	0	B	0			
Zinc	1.69 ppm	*****				Zn	0	Zn	0	Zn	0			
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper						Cu		Cu		Cu				
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter	6.0 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)		*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6"	*****				0-6"	7.9							
	6-24"	*****				6-24"	8.2							

Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 65 K2O = 149 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: P205 = 56 K2O = 35 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

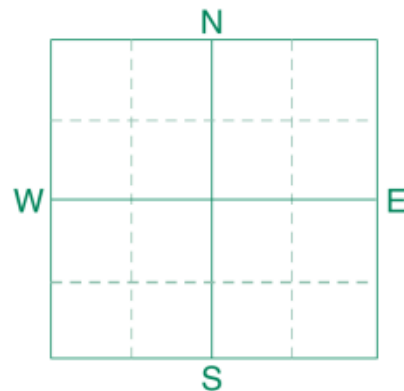
Crop 3: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 50 K2O = 240 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **FIELD #1**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **0223** RANGE **RL**
 SECTION QTR **NO** ACRES **64**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
A MAZE IN CORN

SUBMITTED BY: **TE3082**
PATERSON GRAIN-NIVERVILLE
BOX 356
NIVERVILLE, MB **ROA 1E0**

REF # **3467326** BOX # **1730**
 LAB # **NW158862**

Date Sampled

Date Received **10/08/2021**

Date Reported **10/13/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	50 lb/acre 81 lb/acre				Canola-bu		Soybeans		Corn-Grain				
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"	131 lb/acre				50 BU		45 BU		160 BU				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band/Maint.		Band/Maint.		Band/Maint.				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	17 ppm					N	44	N	***	N	61			
Phosphorus						P ₂ O ₅	45 Band *	P ₂ O ₅	34 Band *	P ₂ O ₅	59 Band *			
Potassium	397 ppm					K ₂ O	0	K ₂ O	0	K ₂ O	10 Band (2x2) *			
Chloride						Cl		Cl		Cl				
	0-6" 6-24"	24 lb/acre 342 lb/acre				S	15 Band	S	5 Band (Trial)	S	0			
Sulfur						B		B		B				
Boron						Zn	2 Band	Zn	2 Band	Zn	2 Band			
Zinc	0.56 ppm					Fe		Fe		Fe				
Iron						Mn		Mn		Mn				
Manganese						Cu		Cu		Cu				
Copper						Mg	0	Mg	0	Mg	0			
Magnesium	2436 ppm					Lime		Lime		Lime				
Calcium	5399 ppm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
Sodium	102 ppm									% Ca	% Mg	% K	% Na	% H
Org.Matter	5.0 %					0-6" 8.0		48.8 meq		(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
Carbonate(CCE)						6-24" 8.3				55.4	41.6	2.1	0.9	0.0
Sol. Salts	0-6" 6-24"	0.74 mmho/cm 0.98 mmho/cm												

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: P205 = 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: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 34 K2O = 53 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

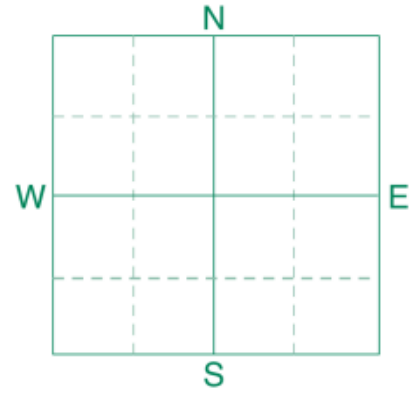
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 59 K2O = 37 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



Soil Analysis by Agvise Laboratories
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SOIL TEST REPORT

FIELD ID **FIELD #2**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **0224-0222** RANGE **RL** 150
 SECTION QTR **NO** ACRES **X1**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
A MAZE IN CORN

SUBMITTED BY: **TE3082**
PATERSON GRAIN-NIVERVILLE
BOX 356
NIVERVILLE, MB **ROA 1E0**

REF # **4059423** BOX # **4645**
 LAB # **NW30900**

Date Sampled

Date Received **05/17/2023**

Date Reported **05/18/2023**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	Canola-bu							
Nitrate	0-6" 6-18"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL			
						44 BU							
	0-18"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.							
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen 14 ppm	*****				N	116	N		N			
Potassium	412 ppm	*****				P ₂ O ₅	40 Band *	P ₂ O ₅		P ₂ O ₅			
Chloride	0-6" 6-18"	*****				K ₂ O	0	K ₂ O		K ₂ O			
	0-6" 6-18"	*****				Cl	Not Available	Cl		Cl			
Sulfur	28 lb/acre 52 lb/acre	*****				S	15 Band	S		S			
Boron	1.2 ppm	*****				B	0	B		B			
Zinc	1.03 ppm	*****				Zn	0	Zn		Zn			
Iron	41.0 ppm	*****				Fe	0	Fe		Fe			
Manganese	2.3 ppm	*****				Mn	0	Mn		Mn			
Copper	1.88 ppm	*****				Cu	0	Cu		Cu			
Magnesium	2246 ppm	*****				Mg	0	Mg		Mg			
Calcium	5247 ppm	*****				Lime		Lime		Lime			
Sodium	75 ppm	*****											
Org.Matter	5.4 %	*****											
Carbonate(CCE)	1.3 %	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
									% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6"	*****				0-6" 7.6		46.3 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
	6-18"	*****				6-18" 8.2			56.6	40.4	2.3	0.7	0.0

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

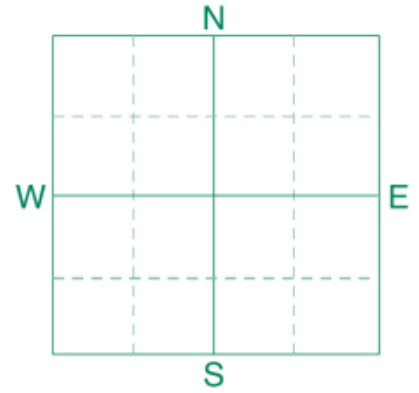
Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K20 = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **FIELD #3**
 SAMPLE ID **3**
 FIELD NAME
 COUNTY
 TWP **8** RANGE **3E**
S 1/4
 SECTION **36** QTR **OF** ACRES **45**
SW&SE



SUBMITTED FOR:
A MAZE IN CORN

SUBMITTED BY: **TE3082**
PATERSON GRAIN-NIVERVILLE
BOX 356
NIVERVILLE, MB **ROA 1E0**

REF # **4059422** BOX # **4604**
 LAB # **NW30899**

Date Sampled

Date Received **05/17/2023**

Date Reported **05/18/2023**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-18"	*****				Canola-bu							
						YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-18"					44 BU							
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band/Maint.							
Olsen	11 ppm	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	542 ppm	*****				N	128	N		N			
Potassium	542 ppm	*****				P ₂ O ₅	40 Band *	P ₂ O ₅		P ₂ O ₅			
Chloride	0-6" 6-18"	*****				K ₂ O	0	K ₂ O		K ₂ O			
	0-6" 6-18"	*****				Cl	Not Available	Cl		Cl			
Sulfur	18 lb/acre 20 lb/acre	*****				S	15 Band	S		S			
Boron	0.9 ppm	*****				B	0	B		B			
Zinc	0.94 ppm	*****				Zn	0	Zn		Zn			
Iron	55.1 ppm	*****				Fe	0	Fe		Fe			
Manganese	1.8 ppm	*****				Mn	0	Mn		Mn			
Copper	1.83 ppm	*****				Cu	0	Cu		Cu			
Magnesium	1713 ppm	*****				Mg	0	Mg		Mg			
Calcium	5321 ppm	*****				Lime		Lime		Lime			
Sodium	43 ppm	*****											
Org.Matter	5.2 %	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
Carbonate(CCE)	1.1 %	*****							% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-18"	*****				0-6" 7.5		42.5 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
		*****				6-18" 8.0			62.7	33.6	3.3	0.4	0.0

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

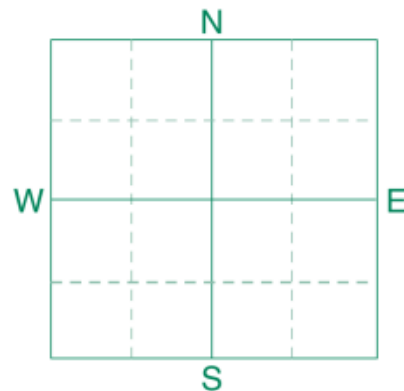
Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K2O = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **FIELD ~~XX~~ 6**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **0224** RANGE **RL**
 SECTION QTR **NO** ACRES **31**
 PREV. CROP **Soybeans**



SUBMITTED FOR:
A MAZE IN CORN

SUBMITTED BY: **TE3082**
PATERSON GRAIN-NIVERVILLE
BOX 356
NIVERVILLE, MB **ROA 1E0**

REF # **4059424** BOX # **4623**
 LAB # **NW30901**

Date Sampled

Date Received **05/17/2023**

Date Reported **05/18/2023**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice					
		VLow	Low	Med	High										
Nitrate	0-6" 6-18"	23 lb/acre 30 lb/acre						Canola-bu							
		*****				YIELD GOAL		YIELD GOAL		YIELD GOAL					
	0-18"	53 lb/acre						44 BU							
		*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
						Band/Maint.									
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Olsen	7 ppm	*****				N	86	N		N					
Phosphorus						P ₂ O ₅	40 Band *	P ₂ O ₅		P ₂ O ₅					
Potassium	477 ppm	*****				K ₂ O	0	K ₂ O		K ₂ O					
Chloride	0-6" 6-18"	17 lb/acre 56 lb/acre						Cl	Not Available	Cl					
		*****				S	15 Band	S		S					
Sulfur		36 lb/acre 216 lb/acre						B	0	B					
		*****				Zn	0	Zn		Zn					
Boron	1.5 ppm	*****				Fe	0	Fe		Fe					
Zinc	0.91 ppm	*****				Mn	0	Mn		Mn					
Iron	24.3 ppm	*****				Cu	0	Cu		Cu					
Manganese	2.5 ppm	*****				Mg	0	Mg		Mg					
Copper	1.63 ppm	*****				Lime		Lime		Lime					
Magnesium	2204 ppm	*****													
Calcium	5773 ppm	*****													
Sodium	70 ppm	*****													
Org.Matter	6.0 %	*****													
Carbonate(CCE)	3.0 %	*****													
Sol. Salts	0-6" 6-18"	0.75 mmho/cm 1.03 mmho/cm						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
		*****				0-6" 8.0		48.8 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)		
		*****				6-18" 8.3			59.2	37.7	2.5	0.6	0.0		

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

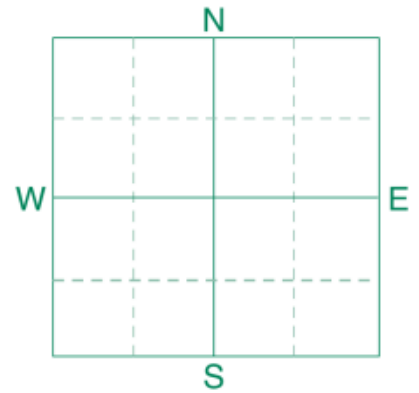
Crop 1: Limited data on crop response to chloride. *CAUTION: Seed-placed fertilizer can cause injury.* Previous crop nitrogen credit: 15 lb/acre N. Previous crop nitrogen credit may be adjusted for local conditions. May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 40 K2O = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **L1**
 SAMPLE ID
 FIELD NAME **Field L1**
 COUNTY
 TWP **231** RANGE
 SECTION **229** QTR **RL** ACRES **131**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
ARTEL

SUBMITTED BY: **TE3082**
PATERSON GRAIN-NIVERVILLE
BOX 356
NIVERVILLE, MB **ROA 1E0**

REF # **3743111** BOX # **597**
 LAB # **NW147133**

Date Sampled

Date Received **10/11/2022**

Date Reported **10/13/2022**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow Low Med High	Oats				YIELD GOAL				
Nitrate	0-6" 6-24"	28 lb/acre 30 lb/acre					YIELD GOAL				
	0-24"	58 lb/acre					YIELD GOAL				
		*****	150 BU				SUGGESTED GUIDELINES				
			SUGGESTED GUIDELINES				SUGGESTED GUIDELINES				
			Band/Maint.				SUGGESTED GUIDELINES				
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen	29 ppm	N	92	N		N				
Potassium		441 ppm	P ₂ O ₅	38	P ₂ O ₅	Band *	P ₂ O ₅				
Chloride	0-24"	48 lb/acre	K ₂ O	10	K ₂ O	Band (Starter)*	K ₂ O				
Sulfur	0-6" 6-24"	44 lb/acre 90 lb/acre	Cl	0	Cl		Cl				
Boron		1.3 ppm	S	0	S		S				
Zinc		1.90 ppm	B	0	B		B				
Iron		34.5 ppm	Zn	0	Zn		Zn				
Manganese		1.8 ppm	Fe	0	Fe		Fe				
Copper		2.41 ppm	Mn	0	Mn		Mn				
Magnesium		1894 ppm	Cu	0	Cu		Cu				
Calcium		4770 ppm	Mg	0	Mg		Mg				
Sodium		64 ppm	Lime		Lime		Lime				
Org.Matter		6.2 %	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
Carbonate(CCE)		2.0 %				% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6" 6-24"	0.72 mmho/cm 0.59 mmho/cm	0-6" 7.8 6-24" 8.2		41.0 meq	(65-75) 58.1	(15-20) 38.5	(1-7) 2.8	(0-5) 0.7	(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: P205 = 38 K2O = 29 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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

SOIL TEST REPORT

FIELD ID **6**
 SAMPLE ID
 FIELD NAME **Laskos**
 COUNTY
 TWP **8** RANGE **3E**
 SECTION **36** QTR **NE** ACRES **160**
 PREV. CROP

W

SUBMITTED FOR:
Mckinley Farms

SUBMITTED BY: **TE3082**
PATERSON GRAIN-NIVERVILLE
BOX 356
NIVERVILLE, MB ROA **1E0**

REF # **391**
 LAB # **NW**

Date Sampled

Date Received **12/02/2022**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice	
		VLow	Low	Med	High				
	0-6"					YIELD GOAL		YIELD GOAL	
	6-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINE	
	0-24"					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	21 lb/acre					N		N	
	18 lb/acre					P ₂ O ₅		P ₂ O ₅	
	39 lb/acre					K ₂ O		K ₂ O	
Olsen Phosphorus	8 ppm					Cl		Cl	
Potassium	546 ppm					S		S	
Chloride	140 lb/acre					B		B	
Sulfur	28 lb/acre					Zn		Zn	
	78 lb/acre					Fe		Fe	
Boron	1.5 ppm					Mn		Mn	
Zinc	0.69 ppm					Cu		Cu	
Iron	25.3 ppm					Mg		Mg	
Manganese	2.1 ppm					Lime		Lime	
Copper	1.94 ppm								
Magnesium	2239 ppm					Soil pH	Buffer pH	Cation Exchange Capacity	% Bas
Calcium	5307 ppm					0-6" 7.9		46.9 meq	% Ca
Sodium	67 ppm					6-24" 8.3			(65-75)
Org.Matter	4.5 %								56.6
Carbonate(CCE)	4.3 %								
Sol. Salts	0.82 mmho/cm								
	0.68 mmho/cm								

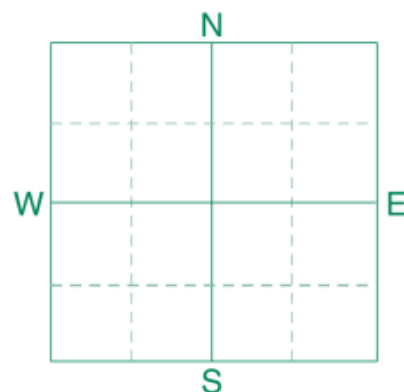
General Comments: Soil texture is not estimated on high pH soils.



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

SOIL TEST REPORT

FIELD ID **PHSIM**
 SAMPLE ID **PHSIM2022**
 FIELD NAME **Simon**
 COUNTY
 TWP **8** RANGE **3E**
 SECTION **13** QTR **W 1/2** ACRES **300**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
Prairie Harvest

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

REF # **3805849** BOX # **3292**
 LAB # **NW109515**

Date Sampled _____ Date Received **09/29/2022** Date Reported **10/01/2022**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Soybeans		Canola-bu		Wheat-Spring				
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****				40 BU		44 BU		70 BU				
	0-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		*****				Band/Maint.		Band/Maint.		Band/Maint.				
		*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 17 ppm	*****				N	***	N	99	N	134			
Potassium	519 ppm	*****				P ₂ O ₅	30 Band *	P ₂ O ₅	40 Band *	P ₂ O ₅	44 Band *			
Chloride	0-24" 72 lb/acre	*****				K ₂ O	0	K ₂ O	0	K ₂ O	10 Band (Starter)*			
Sulfur	0-6" 20 lb/acre 6-24" 48 lb/acre	*****				Cl	0	Cl	Not Available	Cl	0			
Boron	1.5 ppm	*****				S	5 Band (Trial)	S	15 Band	S	5 Band (Trial)			
Zinc	1.06 ppm	*****				B	0	B	0	B	0			
Iron	22.4 ppm	*****				Zn	0	Zn	0	Zn	0			
Manganese	1.9 ppm	*****				Fe	0	Fe	0	Fe	0			
Copper	1.75 ppm	*****				Mn	0	Mn	0	Mn	0			
Magnesium	1878 ppm	*****				Cu	0	Cu	0	Cu	0			
Calcium	5641 ppm	*****				Mg	0	Mg	0	Mg	0			
Sodium	49 ppm	*****				Lime		Lime		Lime				
Org.Matter	6.1 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)	2.0 %	*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 0.56 mmho/cm 6-24" 0.58 mmho/cm	*****				0-6" 8.0		45.4 meq		(65-75) 62.1	(15-20) 34.5	(1-7) 2.9	(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. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P205 = 30 K2O = 47 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.

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: P205 = 40 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: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.