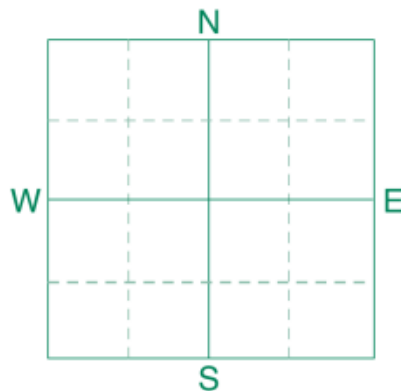




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 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **03**  
 SAMPLE ID  
 FIELD NAME **03**  
 COUNTY  
 TWP RANGE **Pan E**  
 SECTION QTR **RL 47** ACRES **170**  
**Pan E**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Unger Poultry**  
**Box 7 Grp 7 RR1**  
**Landmark, MB ROA 0X0**

SUBMITTED BY: **TE2728**  
**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**  
**LANDMARK, MB ROA 0X0**

REF # **3486059** BOX # **4995**  
 LAB # **NW219273**

Date Sampled \_\_\_\_\_ Date Received **11/03/2021** Date Reported **11/04/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Wheat-Spring		Canola-bu		Soybeans				
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****				85 BU		45 BU		40 BU				
	0-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		*****				Broadcast/Maint.		Band/Maint.		Broadcast/Maint.				
		*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	18 ppm	*****				N	34	N	0	N	***			
Phosphorus		*****				P <sub>2</sub> O <sub>5</sub>	53	P <sub>2</sub> O <sub>5</sub>	41	P <sub>2</sub> O <sub>5</sub>	30			
Potassium	388 ppm	*****					Broadcast		Band *		Broadcast			
Chloride	0-24"	*****				K <sub>2</sub> O	10	K <sub>2</sub> O	0	K <sub>2</sub> O	0			
		*****					Band (Starter)*							
Sulfur	0-6" 6-24"	*****				Cl	0	Cl		Cl	0			
		*****							Not Available					
Boron	1.6 ppm	*****				S	0	S	10	S	0			
Zinc	1.42 ppm	*****				B	0	B	0	B	0			
Iron	60.5 ppm	*****				Zn	0	Zn	0	Zn	0			
Manganese	3.3 ppm	*****				Fe	0	Fe	0	Fe	0			
Copper	2.32 ppm	*****				Mn	0	Mn	0	Mn	0			
Magnesium	2960 ppm	*****				Cu	0	Cu	0	Cu	0			
Calcium	5548 ppm	*****				Mg	0	Mg	0	Mg	0			
Sodium	113 ppm	*****				Lime		Lime		Lime				
Org.Matter	8.9 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)	2.1 %	*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	*****				0-6" 7.1		54.4 meq		(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
		*****				6-24" 8.3				51.0	45.3	1.8	0.9	0.9

**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: P205 = 53 K2O = 32 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high 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: P205 = 41 K2O = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

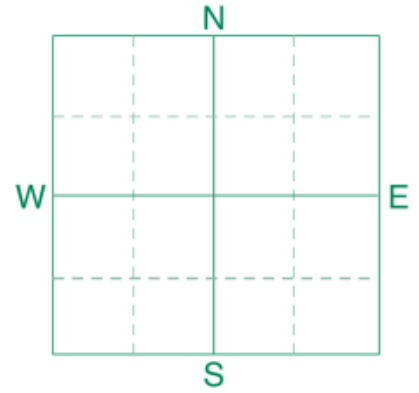
**Crop 3:** May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is very high, based on soil carbonate and salinity. Crop nutrient removal: P205 = 30 K2O = 47 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.



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## SOIL TEST REPORT

FIELD ID **07**  
 SAMPLE ID  
 FIELD NAME **07**  
 COUNTY  
 TWP **8** RANGE **6E**  
 SECTION **20** QTR **N** ACRES **90**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Unger Poultry**  
**Box 7 Grp 7 RR1**  
  
**Landmark, MB**      **ROA 0X0**

SUBMITTED BY: **TE2728**  
**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**  
**LANDMARK, MB**      **ROA 0X0**

REF # **4265880** BOX # **2268**  
 LAB # **NW179543**

Date Sampled \_\_\_\_\_ Date Received **10/12/2023** Date Reported **10/14/2023**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice						
		VLow	Low	Med	High	Wheat-Spring		Canola-bu		Soybeans						
Nitrate	0-6" 6-24"	50 lb/acre 36 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL					
	0-24"	86 lb/acre					60 BU		45 BU		40 BU					
							SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
							Band		Band/Maint.		Broadcast/Maint.					
							LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Olsen	47 ppm					N	76	N	72	N	***					
Phosphorus						P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	10	Band (Starter)*					
Potassium	506 ppm					K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0	0					
Chloride	0-24"	168 lb/acre					Cl	0	Cl		Not Available					
Sulfur	0-6" 6-24"	66 lb/acre 90 lb/acre					S	0	S	10	Band					
Boron	2.0 ppm					B	0	B	0	B	0					
Zinc	3.81 ppm					Zn	0	Zn	0	Zn	0					
Iron	26.9 ppm					Fe	0	Fe	0	Fe	0					
Manganese	1.1 ppm					Mn	0	Mn	0	Mn	0					
Copper	2.61 ppm					Cu	0	Cu	0	Cu	0					
Magnesium	1177 ppm					Mg	0	Mg	0	Mg	0					
Calcium	7528 ppm					Lime		Lime		Lime						
Sodium	57 ppm					Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Org.Matter	6.8 %					0-6" 7.9		6-24" 8.2		49.0 meq		% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)	3.5 %											(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
Sol. Salts	0-6" 6-24"	0.98 mmho/cm 0.8 mmho/cm										76.8	20.0	2.6	0.5	0.0

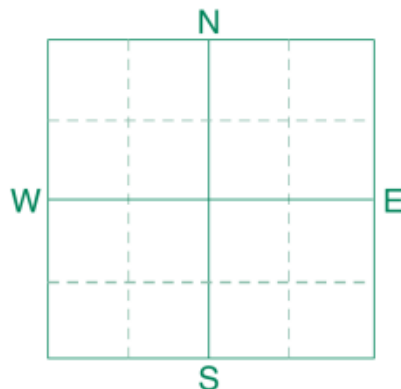
**General Comments:** Soil texture is not estimated on high pH soils.  
**Crop 1:** \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.  
**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:** 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: P2O5 = 30 K2O = 47 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them.



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### SOIL TEST REPORT

FIELD ID **14**  
 SAMPLE ID  
 FIELD NAME **14**  
 COUNTY  
 TWP **8** RANGE **5**  
 SECTION **28** QTR **N** ACRES **180**  
 PREV. CROP **Canola-bu**



#### SUBMITTED FOR:

**Unger Poultry**  
**Box 7 Grp 7 RR1**

**Landmark, MB ROA 0X0**

#### SUBMITTED BY: TE2728

**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**

**LANDMARK, MB ROA 0X0**

REF # **3900794** BOX # **3891**  
 LAB # **NW208656**

Date Sampled

Date Received **10/26/2022**

Date Reported **11/02/2022**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow Low Med High	Canola-bu		Canola-lb		YIELD GOAL				
Nitrate	0-6" 6-24"	45 lb/acre 27 lb/acre	YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"	72 lb/acre	44 BU		2200 LBS						
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
			Band/Maint.		Band/Maint.						
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen 45 ppm		N 82		N 82		N				
Potassium	534 ppm		P <sub>2</sub> O <sub>5</sub> 10	Band (Starter)*	P <sub>2</sub> O <sub>5</sub> 10	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>				
Chloride	0-24" 76 lb/acre		K <sub>2</sub> O 0		K <sub>2</sub> O 0		K <sub>2</sub> O				
Sulfur	0-6" 6-24" 40 lb/acre 54 lb/acre		Cl	Not Available	Cl	Not Available	Cl				
Boron	1.7 ppm		S 15	Band	S 15	Band	S				
Zinc	2.74 ppm		B 0		B 0		B				
Iron	20.8 ppm		Zn 0		Zn 0		Zn				
Manganese	2.1 ppm		Fe 0		Fe 0		Fe				
Copper	2.47 ppm		Mn 0		Mn 0		Mn				
Magnesium	1194 ppm		Cu 0		Cu 0		Cu				
Calcium	6588 ppm		Mg 0		Mg 0		Mg				
Sodium	65 ppm		Lime		Lime		Lime				
Org.Matter	5.8 %		Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)	9.7 %		Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24" 0.79 mmho/cm 0.63 mmho/cm		0-6" 7.9 6-24" 8.3		44.5 meq		(65-75) 74.0	(15-20) 22.3	(1-7) 3.1	(0-5) 0.6	(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: 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.

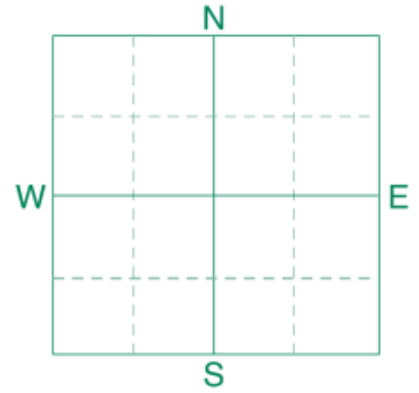
Crop 2: Limited data on crop response to chloride. \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K20 = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.



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## SOIL TEST REPORT

FIELD ID **15**  
 SAMPLE ID  
 FIELD NAME **15**  
 COUNTY  
 TWP **8** RANGE **5E**  
 SECTION **32** QTR **NW** ACRES **200**  
 PREV. CROP **Canola-bu**



SUBMITTED FOR:  
**Unger Poultry**  
**Box 7 Grp 7 RR1**  
  
**Landmark, MB**                      **ROA 0X0**

SUBMITTED BY: **TE2728**  
**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**  
**LANDMARK, MB**                      **ROA 0X0**

REF # **4265884** BOX # **11086**  
 LAB # **NW213630**

Date Sampled \_\_\_\_\_ Date Received **10/20/2023** Date Reported **10/24/2023**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Wheat-Spring		Canola-bu		Soybeans				
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****				60 BU		45 BU		40 BU				
	0-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		*****				Band		Band/Maint.		Broadcast/Maint.				
	Olsen	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus		*****				N	104	N	100	N	***			
Potassium		*****				P <sub>2</sub> O <sub>5</sub>	29 Band *	P <sub>2</sub> O <sub>5</sub>	41 Band *	P <sub>2</sub> O <sub>5</sub>	45 Broadcast			
Chloride	0-24"	*****				K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	0	K <sub>2</sub> O	0			
		*****				Cl	0	Cl	Not Available	Cl	0			
Sulfur	0-6" 6-24"	*****				S	0	S	15 Band	S	0			
Boron		*****				B	0	B	0	B	0			
Zinc		*****				Zn	0	Zn	1 Band	Zn	0			
Iron		*****				Fe	0	Fe	0	Fe	0			
Manganese		*****				Mn	0	Mn	0	Mn	0			
Copper		*****				Cu	0	Cu	0	Cu	0			
Magnesium		*****				Mg	0	Mg	0	Mg	0			
Calcium		*****				Lime		Lime		Lime				
Sodium		****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Org.Matter		*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)		*****				0-6" 8.1		41.0 meq		(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
Sol. Salts	0-6"	*****				6-24" 8.3				72.1	25.7	1.9	0.3	0.0
	6-24"	*****												

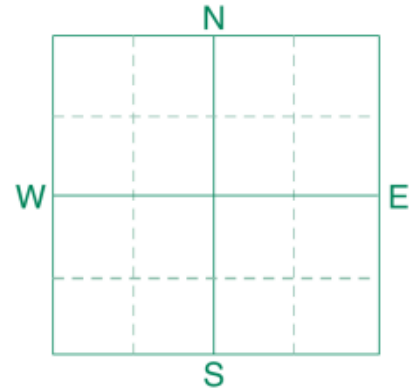
**General Comments:** Soil texture is not estimated on high pH soils.  
**Crop 1:** \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.  
**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:** 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: P2O5 = 30 K2O = 47 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high 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.



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## SOIL TEST REPORT

FIELD ID **16**  
 SAMPLE ID  
 FIELD NAME **16**  
 COUNTY  
 TWP **8** RANGE **5**  
 SECTION **32** QTR **NE** ACRES **140**  
 PREV. CROP



SUBMITTED FOR:  
**Unger Poultry**  
**Box 7 Grp 7 RR1**  
  
**Landmark, MB** ROA **0X0**

SUBMITTED BY: **TE2728**  
**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**  
**LANDMARK, MB** ROA **0X0**

REF # **5061058** BOX # **60**  
 LAB # **NW25857**

Date Sampled

Date Received **05/07/2024**

Date Reported **05/08/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice					
		VLow	Low	Med	High	Wheat-Spring			Canola-bu			Soybeans					
		*****				YIELD GOAL			YIELD GOAL			YIELD GOAL					
		*****				60 BU			45 BU			40 BU					
		*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES					
		*****				Band			Band/Maint.			Broadcast/Maint.					
		*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION				
Nitrate	0-6" 6-24"	84 lb/acre 57 lb/acre		*****				N	21		N	17		N	***		
	0-24"	141 lb/acre		*****				P <sub>2</sub> O <sub>5</sub>	15 Band (Starter)*		P <sub>2</sub> O <sub>5</sub>	41 Band *		P <sub>2</sub> O <sub>5</sub>	30 Broadcast		
Olsen Phosphorus		27 ppm		*****				K <sub>2</sub> O	10 Band (Starter)*		K <sub>2</sub> O	0		K <sub>2</sub> O	0		
Potassium		515 ppm		*****				Cl	0		Cl	Not Available		Cl	0		
Chloride	0-24"	148 lb/acre		*****				S	5 Band (Trial)		S	15 Band		S	10 Broadcast (Trial)		
	0-6" 6-24"	30 lb/acre 60 lb/acre		*****				B	0		B	0		B	0		
Sulfur		1.4 ppm		*****				Zn	0		Zn	0		Zn	0		
Boron		1.31 ppm		*****				Fe	0		Fe	0		Fe	0		
Iron		23.7 ppm		*****				Mn	0		Mn	0		Mn	0		
Manganese		1.9 ppm		*****				Cu	0		Cu	0		Cu	0		
Copper		1.93 ppm		*****				Mg	0		Mg	0		Mg	0		
Magnesium		1401 ppm		*****				Lime			Lime			Lime			
Calcium		6785 ppm		*****				Soil pH	Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Sodium		33 ppm		****				0-6" 8.0			47.1 meq		% Ca	% Mg	% K	% Na	% H
Org.Matter		4.8 %		*****				6-24" 8.3					(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
Carbonate(CCE)		7.7 %		*****									72.1	24.8	2.8	0.3	0.0
Sol. Salts	0-6"	0.85 mmho/cm		*****													
	6-24"	0.55 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: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

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.

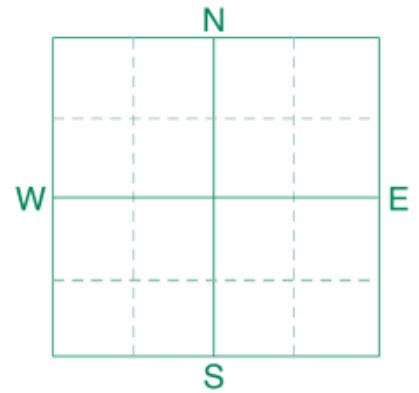
Crop 3: May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is very high, based on soil carbonate and salinity. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and 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 **West Field 17**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES **130**  
 PREV. CROP **Wheat-Spring**



### SUBMITTED FOR:

**Unger Poultry**  
**Box 7 Grp 7 RR1**

**Landmark, MB ROA 0X0**

### SUBMITTED BY: TE2728

**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**

**LANDMARK, MB ROA 0X0**

REF # **3522106** BOX # **1325**  
 LAB # **NW244517**

Date Sampled

Date Received **11/17/2021**

Date Reported **11/18/2021**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	Wheat-Spring		Canola-bu		Soybeans			
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL			
		*****				60 BU		45 BU		40 BU			
	0-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
		*****				Band		Band/Maint.		Broadcast/Maint.			
		*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	3 ppm	*****				N	106	N	102	N	***		
Phosphorus		*****				P <sub>2</sub> O <sub>5</sub>	45	P <sub>2</sub> O <sub>5</sub>	50	P <sub>2</sub> O <sub>5</sub>	70		
Potassium	307 ppm	*****					Band *		Band *		Broadcast		
Chloride	0-24"	*****				K <sub>2</sub> O	10	K <sub>2</sub> O	0	K <sub>2</sub> O	0		
		*****					Band (Starter)*						
Sulfur	0-6" 6-24"	*****				Cl	24	Cl		Cl	0		
		*****					Broadcast		Not Available				
Boron	1.4 ppm	*****				S	7	S	17	S	15		
Zinc	0.61 ppm	*****					Band (Trial)		Band		Broadcast		
Iron	17.9 ppm	*****				B	0	B	0	B	0		
Manganese	1.3 ppm	*****				Zn	0	Zn	1	Zn	0		
Copper	1.69 ppm	*****							Band				
Magnesium	1325 ppm	*****				Fe	0	Fe	0	Fe	0		
Calcium	6407 ppm	*****				Mn	0	Mn	0	Mn	0		
Sodium	25 ppm	****				Cu	0	Cu	0	Cu	0		
Org.Matter	5.0 %	*****				Mg	0	Mg	0	Mg	0		
Carbonate(CCE)	13.2 %	*****				Lime		Lime		Lime			
Sol. Salts	0-6" 6-24"	*****				Soil pH	8.0	Cation Exchange Capacity	% Base Saturation (Typical Range)				
		*****				Buffer pH	8.2	44.0 meq	% Ca	% Mg	% K	% Na	% H
	0.48 mmho/cm 0.47 mmho/cm	*****							(65-75) 72.9	(15-20) 25.1	(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: 52 lb potassium chloride (0-0-60-50Cl) = 24 lb chloride. \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P<sub>2</sub>O<sub>5</sub> = 38 K<sub>2</sub>O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

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<sub>2</sub>O<sub>5</sub> = 41 K<sub>2</sub>O = 20 AGVISE Band/Maintenance guideline will build P & K test levels to the medium range over several years and then maintain them.

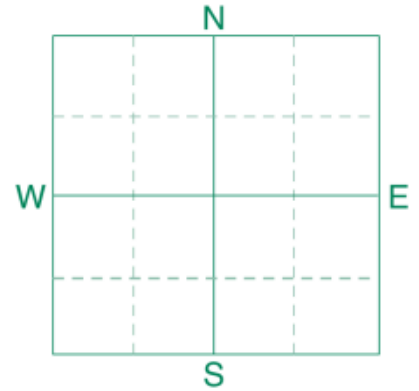
Crop 3: May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P<sub>2</sub>O<sub>5</sub> = 30 K<sub>2</sub>O = 47 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range 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.



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

## SOIL TEST REPORT

FIELD ID **18**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR **RL 12** ACRES **210**  
 13



SUBMITTED FOR:  
**Unger Poultry**  
**Box 7 Grp 7 RR1**  
**Landmark, MB ROA 0X0**

SUBMITTED BY: **TE2728**  
**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**  
**LANDMARK, MB ROA 0X0**

REF # **5061060** BOX # **39**  
 LAB # **NW25858**

Date Sampled

Date Received **05/07/2024**

Date Reported **05/08/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Wheat-Spring		Canola-bu		Soybeans				
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
						60 BU		45 BU		40 BU				
	0-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band/Maint.		Broadcast/Maint.				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	5 ppm	*****				N	128	N	124	N	***			
Phosphorus						P <sub>2</sub> O <sub>5</sub>	41	P <sub>2</sub> O <sub>5</sub>	45	P <sub>2</sub> O <sub>5</sub>	64			
Potassium	345 ppm	*****					Band *		Band *		Broadcast			
Chloride	0-24"	*****				K <sub>2</sub> O	10	K <sub>2</sub> O	0	K <sub>2</sub> O	0			
							Band (Starter)*							
Sulfur	0-6" 6-24"	*****				Cl	0	Cl		Cl	0			
									Not Available					
Boron	1.7 ppm	*****				S	0	S	17	S	15			
Zinc	0.83 ppm	*****				B	0	B	0	B	0			
Iron	23.9 ppm	*****				Zn	0	Zn	1	Zn	0			
Manganese	1.6 ppm	*****				Fe	0	Fe	0	Fe	0			
Copper	1.76 ppm	*****				Mn	0	Mn	0	Mn	0			
Magnesium	2049 ppm	*****				Cu	0	Cu	0	Cu	0			
Calcium	6140 ppm	*****				Mg	0	Mg	0	Mg	0			
Sodium	42 ppm	*****				Lime		Lime		Lime				
Org.Matter	5.3 %	*****				Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)	8.0 %	*****				Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	*****				0-6"	8.2	48.8 meq		(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
						6-24"	8.6			62.9	35.0	1.8	0.4	0.0

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

Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

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.

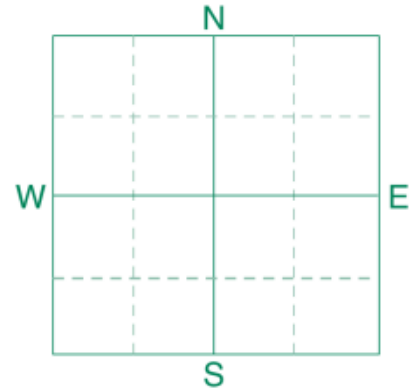
Crop 3: May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P2O5 = 30 K2O = 47 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high range over several years and then maintain them. Soybean may respond to nitrogen if soybean history is limited and less than 60 lb/acre nitrate-N is present.



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

### SOIL TEST REPORT

FIELD ID **19**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR **RL 14** ACRES **100**  
 PREV. CROP



**SUBMITTED FOR:**  
**Unger Poultry**  
**Box 7 Grp 7 RR1**  
**Landmark, MB ROA 0X0**

**SUBMITTED BY: TE2728**  
**RICHARDSON PIONEER-LANDMA**  
**231 MAIN STREET**  
**BOX 70**  
**LANDMARK, MB ROA 0X0**

REF # **5061061** BOX # **60**  
 LAB # **NW25859**

Date Sampled \_\_\_\_\_ Date Received **05/07/2024** Date Reported **05/08/2024**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	Wheat-Spring		Canola-bu		Soybeans			
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL			
	9 lb/acre 15 lb/acre					60 BU		45 BU		40 BU			
	0-24"					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	24 lb/acre					Band		Band/Maint.		Broadcast/Maint.			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	5 ppm	*****				N	138	N	134	N	***		
Phosphorus						P <sub>2</sub> O <sub>5</sub>	41 Band *	P <sub>2</sub> O <sub>5</sub>	45 Band *	P <sub>2</sub> O <sub>5</sub>	64 Broadcast		
Potassium	394 ppm	*****				K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	0	K <sub>2</sub> O	0		
Chloride	0-24" 68 lb/acre	*****				Cl	0	Cl	Not Available	Cl	0		
Sulfur	0-6" 6-24" 22 lb/acre 48 lb/acre	*****				S	5 Band (Trial)	S	15 Band	S	10 Broadcast (Trial)		
Boron	1.5 ppm	*****				B	0	B	0	B	0		
Zinc	0.71 ppm	*****				Zn	0	Zn	1 Band	Zn	0		
Iron	19.3 ppm	*****				Fe	0	Fe	0	Fe	0		
Manganese	1.3 ppm	*****				Mn	0	Mn	0	Mn	0		
Copper	1.68 ppm	*****				Cu	0	Cu	0	Cu	0		
Magnesium	1630 ppm	*****				Mg	0	Mg	0	Mg	0		
Calcium	6402 ppm	*****				Lime		Lime		Lime			
Sodium	29 ppm	****											
Org.Matter	4.6 %	*****											
Carbonate(CCE)	9.9 %	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
						0-6" 8.2		46.7 meq	% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24" 0.65 mmho/cm 0.53 mmho/cm	*****				6-24" 8.4			(65-75) 68.5	(15-20) 29.1	(1-7) 2.2	(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: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.  
**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:** 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: P2O5 = 30 K2O = 47 AGVISE Broadcast/Maintenance guideline will build P & K test levels to the high 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.