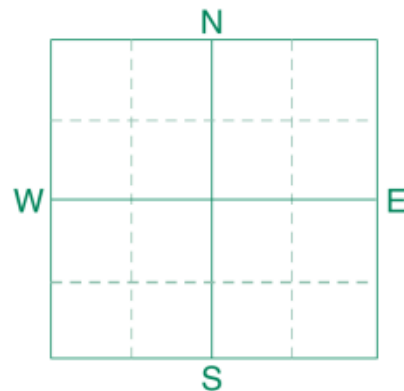




Soil Analysis by Agvise Laboratories  
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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **ELNE02160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **2** QTR **NE** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**

**5 FABAS STREET**

**BOX 100**

**LA BROQUERIE, MB**

**ROA 0W0**

REF # **3116763** BOX # **3822**

LAB # **NW179766**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice					
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture					
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL					
						50 BU			60 BU			4 Tons					
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES					
						Band			Band			Band					
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION				
						N	135		N	122		N	80				
Phosphorus	Olsen 9 ppm	*****				P <sub>2</sub> O <sub>5</sub>	40	Band *	P <sub>2</sub> O <sub>5</sub>	33	Band *	P <sub>2</sub> O <sub>5</sub>	26	Band *			
Potassium	258 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0				
Chloride						Cl			Cl			Cl					
Sulfur						S			S			S					
Boron						B			B			B					
Zinc						Zn			Zn			Zn					
Iron						Fe			Fe			Fe					
Manganese						Mn			Mn			Mn					
Copper						Cu			Cu			Cu					
Magnesium						Mg			Mg			Mg					
Calcium						Lime			Lime			Lime					
Sodium						Soil pH			Buffer pH			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Org.Matter																	
Carbonate(CCE)																	
Sol. Salts	0-6" 6-24"	*****				0-6"	8.2		6-24"	8.7		% Ca	% Mg	% K	% Na	% H	
	0.62 mmho/cm 1.03 mmho/cm	*****															

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 guideline will build P & K test levels to the medium range over several years.

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

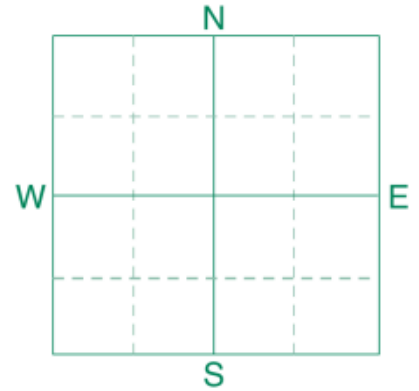
Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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### SOIL TEST REPORT

FIELD ID **ELNE11160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **11** QTR **NE** ACRES **0**  
 PREV. CROP



**SUBMITTED FOR:**

**Perkins**

**SUBMITTED BY: HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116764** BOX # **3890**  
 LAB # **NW179767**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture				
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL				
						50 BU			60 BU			4 Tons				
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Band			Band			Band				
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
						N	133		N	120		N	78			
Potassium	287 ppm	*****				P <sub>2</sub> O <sub>5</sub>	43	Band *	P <sub>2</sub> O <sub>5</sub>	35	Band *	P <sub>2</sub> O <sub>5</sub>	28	Band *		
Chloride						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0			
						Cl			Cl			Cl				
Sulfur						S			S			S				
Boron						B			B			B				
Zinc						Zn			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																
Carbonate(CCE)																
Sol. Salts	0-6"	*****				Soil pH	Buffer pH		Cation Exchange Capacity			% Base Saturation (Typical Range)				
	6-24"	*****				0-6"	8.0					% Ca	% Mg	% K	% Na	% H
						6-24"	8.4									

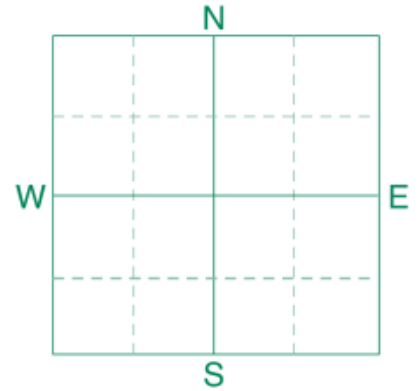
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELNE23160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **23** QTR **NE** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116765** BOX # **3886**  
 LAB # **NW179768**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	Canola-bu		Wheat-Spring		Grass/Pasture			
Nitrate	0-6" 6-24"	****				YIELD GOAL		YIELD GOAL		YIELD GOAL			
			4 lb/acre 6 lb/acre	50 BU		60 BU		4 Tons					
	0-24"		10 lb/acre	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
				Band		Band		Band					
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	6 ppm	*****				N	165	N	152	N	110		
Phosphorus						P <sub>2</sub> O <sub>5</sub>	48 Band *	P <sub>2</sub> O <sub>5</sub>	39 Band *	P <sub>2</sub> O <sub>5</sub>	33 Band *		
Potassium	262 ppm	*****				K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	0		
Chloride						Cl		Cl		Cl			
Sulfur						S		S		S			
Boron						B		B		B			
Zinc						Zn		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													
Carbonate(CCE)													
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
									% Ca	% Mg	% K	% Na	% H
						0-6" 8.0							
Sol. Salts	0-6" 6-24"	1.06 mmho/cm 2.43 mmho/cm	*****			6-24" 8.3							

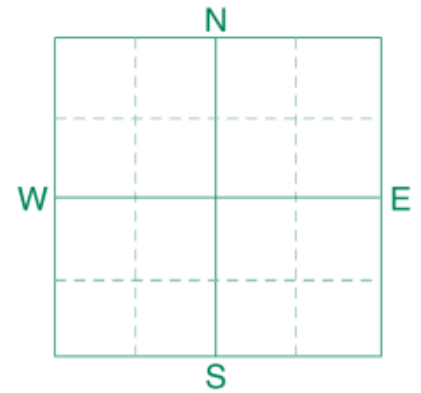
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELNE24115**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **24** QTR **NE** ACRES **0**  
 PREV. CROP



**SUBMITTED FOR:**

**Perkins**

**SUBMITTED BY: HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB**      **ROA OWO**

REF # **3116766** BOX # **4004**  
 LAB # **NW179769**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 6-24"	****				Canola-bu	Wheat-Spring		Grass/Pasture			
						YIELD GOAL	YIELD GOAL		YIELD GOAL			
	0-24"					50 BU	60 BU		4 Tons			
						SUGGESTED GUIDELINES	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
					Band	Band		Band				
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	5 ppm	*****			N	164	N	151	N	109		
Phosphorus					P <sub>2</sub> O <sub>5</sub>	50	Band *	P <sub>2</sub> O <sub>5</sub>	41	Band *		
Potassium	263 ppm	*****			K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*		
Chloride					Cl			Cl				
Sulfur					S			S				
Boron					B			B				
Zinc					Zn			Zn				
Iron					Fe			Fe				
Manganese					Mn			Mn				
Copper					Cu			Cu				
Magnesium					Mg			Mg				
Calcium					Lime			Lime				
Sodium												
Org.Matter												
Carbonate(CCE)												
Sol. Salts	0-6"	*****				Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)			
	6-24"								% Ca	% Mg	% K	% Na
	0.75 mmho/cm				0-6" 7.8							
	2.16 mmho/cm				6-24" 8.3							

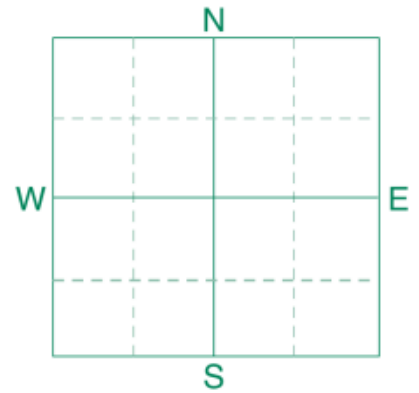
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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## SOIL TEST REPORT

FIELD ID **ELNE26154**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **26** QTR **NE** ACRES **0**  
 PREV. CROP



### SUBMITTED FOR:

**Perkins**

### SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116768** BOX # **3885**  
 LAB # **NW179770**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice			
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture			
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL			
	19 lb/acre 15 lb/acre					50 BU			60 BU			4 Tons			
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			
	34 lb/acre					Band			Band			Band			
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		
Olsen	10 ppm					N	141		N	128		N	86		
Phosphorus						P <sub>2</sub> O <sub>5</sub>	38	Band *	P <sub>2</sub> O <sub>5</sub>	31	Band *	P <sub>2</sub> O <sub>5</sub>	23	Band *	
Potassium	167 ppm					K <sub>2</sub> O	4	Band *	K <sub>2</sub> O	14	Band *	K <sub>2</sub> O	23	Band *	
Chloride						Cl			Cl			Cl			
Sulfur						S			S			S			
Boron						B			B			B			
Zinc						Zn			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															
Carbonate(CCE)															
Sol. Salts	0-6"	*****				Soil pH	Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
	1.87 mmho/cm 2.44 mmho/cm									% Ca	% Mg	% K	% Na	% H	
	6-24"					0-6" 7.9									
						6-24" 7.8									

Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

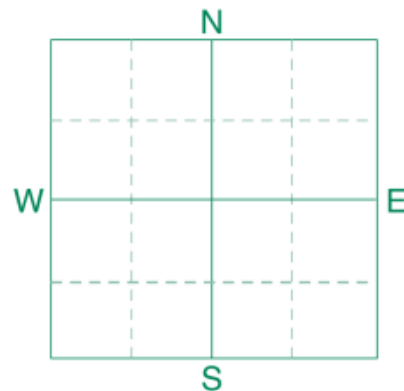
Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **ELNE27115**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **27** QTR **NE** ACRES **0**  
 PREV. CROP



**SUBMITTED FOR:**

**Perkins**

**SUBMITTED BY: HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116769** BOX # **3822**  
 LAB # **NW179771**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	24 lb/acre 39 lb/acre				Canola-bu		Wheat-Spring		Grass/Pasture				
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"	63 lb/acre				50 BU		60 BU		4 Tons				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band		Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	13 ppm					N	112	N	99	N	57			
Phosphorus						P <sub>2</sub> O <sub>5</sub>	30 Band *	P <sub>2</sub> O <sub>5</sub>	25 Band *	P <sub>2</sub> O <sub>5</sub>	16 Band *			
Potassium	254 ppm					K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	1 Band *			
Chloride						Cl		Cl		Cl				
Sulfur						S		S		S				
Boron						B		B		B				
Zinc						Zn		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														
Carbonate(CCE)														
						Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
										% Ca	% Mg	% K	% Na	% H
						0-6" 8.1								
Sol. Salts	0-6" 6-24"	0.71 mmho/cm 1.08 mmho/cm				6-24" 8.5								

**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 guideline will build P & K test levels to the medium range over several years.**

**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

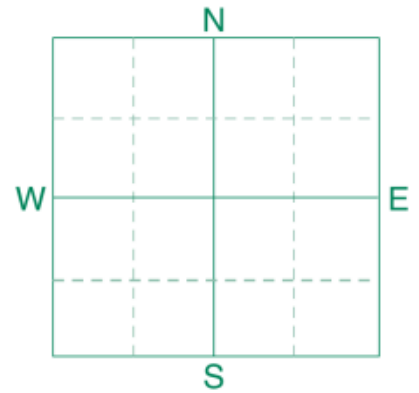
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **ELNW02160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **2** QTR **NW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116770** BOX # **3890**  
 LAB # **NW179772**

Date Sampled \_\_\_\_\_ Date Received **10/20/2020** Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
						50 BU			60 BU			4 Tons		
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Olsen	5 ppm	*****				N	135		N	122		N	80	
Phosphorus						P <sub>2</sub> O <sub>5</sub>	50	Band *	P <sub>2</sub> O <sub>5</sub>	41	Band *	P <sub>2</sub> O <sub>5</sub>	36	Band *
Potassium	271 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0	
Chloride						Cl			Cl			Cl		
Sulfur						S			S			S		
Boron						B			B			B		
Zinc						Zn			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														
Carbonate(CCE)														
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
									% Ca	% Mg	% K	% Na	% H	
						0-6" 8.1								
Sol. Salts	0-6" 0.77 mmho/cm 6-24" 0.83 mmho/cm	*****				6-24" 8.4								

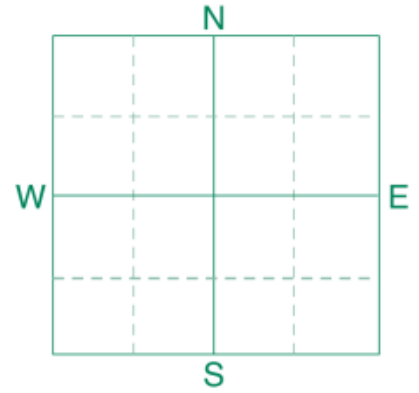
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

### SOIL TEST REPORT

FIELD ID **ELNW11160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **11** QTR **NW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116861** BOX # **3890**  
 LAB # **NW179792**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture				
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL				
						50 BU			60 BU			4 Tons				
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Band			Band			Band				
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
						N	149		N	136		N	94			
Potassium	296 ppm	*****				P <sub>2</sub> O <sub>5</sub>	38	Band *	P <sub>2</sub> O <sub>5</sub>	31	Band *	P <sub>2</sub> O <sub>5</sub>	23	Band *		
Chloride						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0			
						Cl			Cl			Cl				
Sulfur						S			S			S				
Boron						B			B			B				
Zinc						Zn			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																
Carbonate(CCE)																
Sol. Salts	0-6"	*****				Soil pH	Buffer pH		Cation Exchange Capacity			% Base Saturation (Typical Range)				
	6-24"	*****				0-6"	8.0					% Ca	% Mg	% K	% Na	% H
	1.35 mmho/cm					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 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

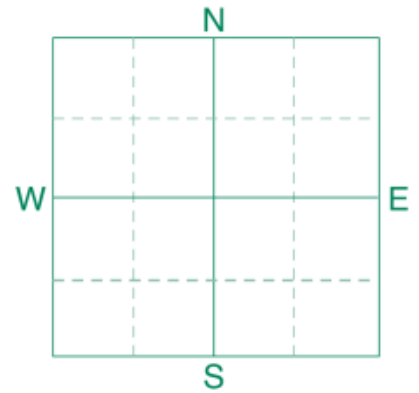




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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **ELNW12160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **12** QTR **NW** ACRES **0**  
 PREV. CROP



**SUBMITTED FOR:**

**Perkins**

**SUBMITTED BY: HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116772** BOX # **3805**  
 LAB # **NW179773**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
		*****				50 BU			60 BU			4 Tons		
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
		*****				Band			Band			Band		
		*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Olsen	21 ppm	*****				N	108		N	95		N	53	
Phosphorus		*****				P <sub>2</sub> O <sub>5</sub>	10	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	0	
Potassium	389 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0	
Chloride						Cl			Cl			Cl		
Sulfur						S			S			S		
Boron						B			B			B		
Zinc						Zn			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														
Carbonate(CCE)														
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
									% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6"	*****				0-6"	7.8							
	6-24"	*****				6-24"	8.2							

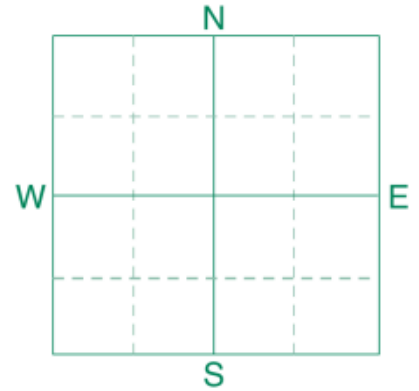
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELNW20155**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **20W**  
 SECTION **20** QTR **NW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

Perkins

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116773** BOX # **4004**  
 LAB # **NW179774**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
						50 BU			60 BU			4 Tons		
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Olsen	19 ppm	*****				N	161		N	148		N	106	
Phosphorus						P <sub>2</sub> O <sub>5</sub>	15	Band *	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	1	Band *
Potassium	215 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	11	Band *
Chloride						Cl			Cl			Cl		
Sulfur						S			S			S		
Boron						B			B			B		
Zinc						Zn			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														
Carbonate(CCE)														
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
									% Ca	% Mg	% K	% Na	% H	
						0-6" 8.1								
Sol. Salts	0-6" 1.65 mmho/cm 6-24" 2.95 mmho/cm	*****				6-24" 8.3								

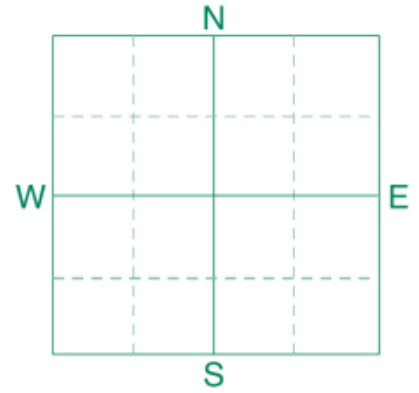
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELNW23157**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **23** QTR **NW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116774** BOX # **3822**  
 LAB # **NW179775**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture				
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL				
						50 BU			60 BU			4 Tons				
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Band			Band			Band				
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
						N	142		N	129		N	87			
Potassium	263 ppm	*****				P <sub>2</sub> O <sub>5</sub>	35	Band *	P <sub>2</sub> O <sub>5</sub>	29	Band *	P <sub>2</sub> O <sub>5</sub>	21	Band *		
Chloride						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0			
						Cl			Cl			Cl				
Sulfur						S			S			S				
Boron						B			B			B				
Zinc						Zn			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																
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
						6-24"	8.3									

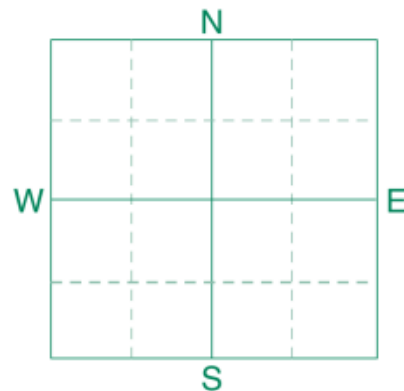
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **ELNW24160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **24** QTR **NW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**

**5 FABAS STREET**

**BOX 100**

**LA BROQUERIE, MB**

**ROA 0W0**

REF # **3116777** BOX # **4042**

LAB # **NW179776**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture				
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL				
						50 BU			60 BU			4 Tons				
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Band			Band			Band				
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
						N	152		N	139		N	97			
Potassium	287 ppm	*****				P <sub>2</sub> O <sub>5</sub>	45	Band *	P <sub>2</sub> O <sub>5</sub>	37	Band *	P <sub>2</sub> O <sub>5</sub>	31	Band *		
Chloride						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0			
						Cl			Cl			Cl				
Sulfur						S			S			S				
Boron						B			B			B				
Zinc						Zn			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																
Carbonate(CCE)																
Sol. Salts	0-6"	*****				Soil pH	Buffer pH		Cation Exchange Capacity			% Base Saturation (Typical Range)				
	6-24"	*****				0-6"	7.9					% Ca	% Mg	% K	% Na	% H
	1.31 mmho/cm					6-24"	8.3									
	1.48 mmho/cm															

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 guideline will build P & K test levels to the medium range over several years.

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

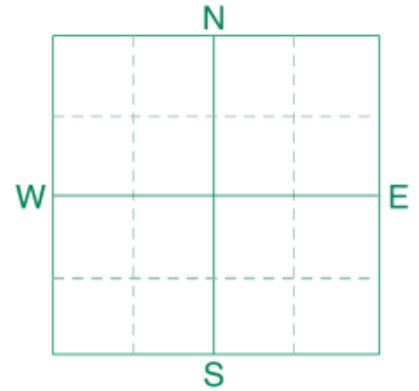
Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.



Soil Analysis by Agvise Laboratories  
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### SOIL TEST REPORT

FIELD ID **ELNW26160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **26** QTR **NW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116778** BOX # **3885**  
 LAB # **NW179777**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture				
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL				
						50 BU			60 BU			4 Tons				
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Band			Band			Band				
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
						N	154		N	141		N	99			
Potassium	225 ppm	*****				P <sub>2</sub> O <sub>5</sub>	38	Band *	P <sub>2</sub> O <sub>5</sub>	31	Band *	P <sub>2</sub> O <sub>5</sub>	23	Band *		
Chloride						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	8	Band *		
						Cl			Cl			Cl				
Sulfur						S			S			S				
Boron						B			B			B				
Zinc						Zn			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																
Carbonate(CCE)																
Sol. Salts	0-6"	*****				Soil pH	Buffer pH		Cation Exchange Capacity			% Base Saturation (Typical Range)				
	6-24"	*****				0-6"	7.8					% Ca	% Mg	% K	% Na	% H
	1.26 mmho/cm					6-24"	8.4									
	1.88 mmho/cm															

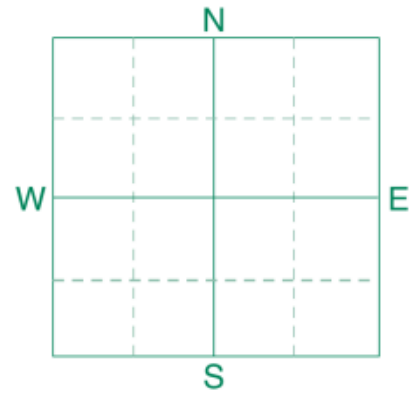
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELSE11148**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **11** QTR **SE** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116779** BOX # **3885**  
 LAB # **NW179778**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
						50 BU			60 BU			4 Tons		
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band		
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
						N	133		N	120		N	78	
Potassium	316 ppm	*****				P <sub>2</sub> O <sub>5</sub>	38	Band *	P <sub>2</sub> O <sub>5</sub>	31	Band *	P <sub>2</sub> O <sub>5</sub>	23	Band *
Chloride Sulfur Boron Zinc Iron Manganese Copper Magnesium Calcium Sodium Org.Matter Carbonate(CCE) Sol. Salts						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0	
						Cl			Cl			Cl		
						S			S			S		
						B			B			B		
						Zn			Zn			Zn		
						Fe			Fe			Fe		
						Mn			Mn			Mn		
						Cu			Cu			Cu		
						Mg			Mg			Mg		
						Lime			Lime			Lime		
							Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
										% Ca	% Mg	% K	% Na	% H
		0-6" 6-24"	*****				0-6"	8.0						
			*****				6-24"	8.2						

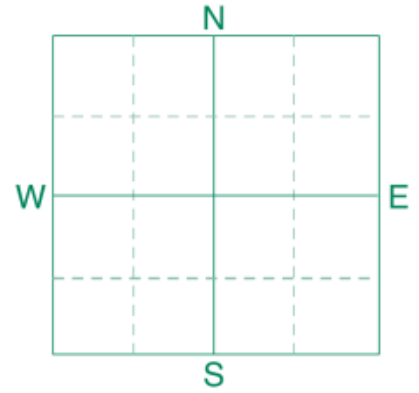
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

### SOIL TEST REPORT

FIELD ID **ELSE23160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **23** QTR **SE** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116780** BOX # **3885**  
 LAB # **NW179779**

Date Sampled \_\_\_\_\_ Date Received **10/20/2020** Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	*****				Canola-bu		Wheat-Spring		Grass/Pasture			
						YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"					50 BU		60 BU		4 Tons			
	16 lb/acre					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band		Band		Band			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	6 ppm	*****				N	159	N	146	N	104		
Phosphorus						P <sub>2</sub> O <sub>5</sub>	48	Band *	P <sub>2</sub> O <sub>5</sub>	39	Band *		
Potassium	231 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*		
Chloride						Cl			Cl				
Sulfur						S			S				
Boron						B			B				
Zinc						Zn			Zn				
Iron						Fe			Fe				
Manganese						Mn			Mn				
Copper						Cu			Cu				
Magnesium						Mg			Mg				
Calcium						Lime			Lime				
Sodium													
Org.Matter													
Carbonate(CCE)													
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
									% Ca	% Mg	% K	% Na	% H
						0-6" 8.0							
Sol. Salts	0-6" 6-24"	1.11 mmho/cm 2.0 mmho/cm	*****			6-24" 8.2							

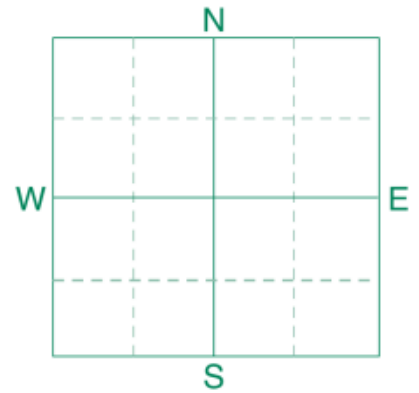
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



Soil Analysis by Agvise Laboratories  
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### SOIL TEST REPORT

FIELD ID **ELSE24124**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **24** QTR **SE** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116781** BOX # **4063**  
 LAB # **NW179780**

Date Sampled \_\_\_\_\_ Date Received **10/20/2020** Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	5 lb/acre 3 lb/acre				Canola-bu		Wheat-Spring		Grass/Pasture			
	0-24"	8 lb/acre	***			YIELD GOAL		YIELD GOAL		YIELD GOAL			
						50 BU		60 BU		4 Tons			
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band		Band		Band			
Olsen	5 ppm	*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus						N	167	N	154	N	112		
Potassium	227 ppm	*****				P <sub>2</sub> O <sub>5</sub>	50 Band *	P <sub>2</sub> O <sub>5</sub>	41 Band *	P <sub>2</sub> O <sub>5</sub>	36 Band *		
Chloride						K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	8 Band *		
Sulfur						Cl		Cl		Cl			
Boron						S		S		S			
Zinc						B		B		B			
Iron						Zn		Zn		Zn			
Manganese						Fe		Fe		Fe			
Copper						Mn		Mn		Mn			
Magnesium						Cu		Cu		Cu			
Calcium						Mg		Mg		Mg			
Sodium						Lime		Lime		Lime			
Org.Matter													
Carbonate(CCE)													
Sol. Salts	0-6"	1.44 mmho/cm	*****			Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
	6-24"	3.37 mmho/cm	*****			0-6" 8.0			% Ca	% Mg	% K	% Na	% H
						6-24" 8.5							

**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 guideline will build P & K test levels to the medium range over several years.**

**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

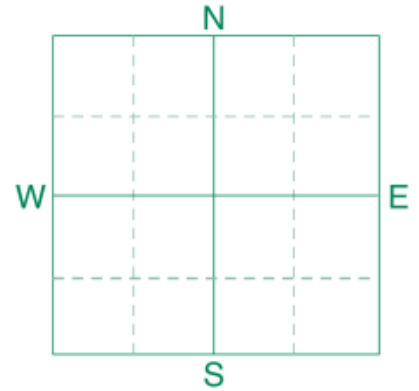




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### SOIL TEST REPORT

FIELD ID **ELSE2624**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **26** QTR **SE** ACRES **0**  
 PREV. CROP



**SUBMITTED FOR:**

**Perkins**

**SUBMITTED BY: HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116783** BOX # **3886**  
 LAB # **NW179781**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 6-24"	****				Canola-bu		Wheat-Spring		Grass/Pasture		
			3 lb/acre 6 lb/acre			YIELD GOAL		YIELD GOAL		YIELD GOAL		
	0-24"		9 lb/acre			50 BU		60 BU		4 Tons		
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
						Band		Band		Band		
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	7 ppm	*****			N	166	N	153	N	111		
Phosphorus					P <sub>2</sub> O <sub>5</sub>	45 Band *	P <sub>2</sub> O <sub>5</sub>	37 Band *	P <sub>2</sub> O <sub>5</sub>	31 Band *		
Potassium	178 ppm	*****			K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	20 Band *		
Chloride					Cl		Cl		Cl			
Sulfur					S		S		S			
Boron					B		B		B			
Zinc					Zn		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												
Carbonate(CCE)												
					Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
								% Ca	% Mg	% K	% Na	% H
					0-6" 8.1							
Sol. Salts	0-6" 6-24"	1.87 mmho/cm 2.42 mmho/cm	*****		6-24" 8.4							

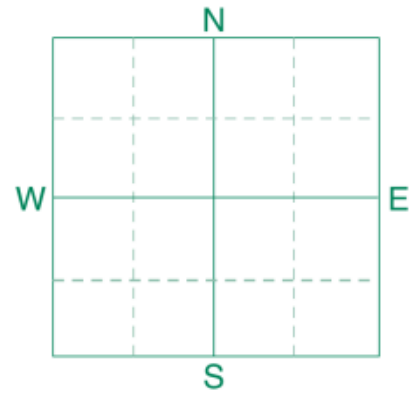
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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## SOIL TEST REPORT

FIELD ID **ELSE26150**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **26** QTR **SE** ACRES **0**  
 PREV. CROP



### SUBMITTED FOR:

**Perkins**

### SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116785** BOX # **3890**  
 LAB # **NW179782**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High	Canola-bu		Wheat-Spring		Grass/Pasture			
Nitrate	0-6" 6-24"	***				YIELD GOAL		YIELD GOAL		YIELD GOAL			
			4 lb/acre 3 lb/acre	50 BU		60 BU		4 Tons					
	0-24"		7 lb/acre	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES					
				Band		Band		Band					
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	7 ppm	*****				N	168	N	155	N	113		
Phosphorus						P <sub>2</sub> O <sub>5</sub>	45	Band *	P <sub>2</sub> O <sub>5</sub>	37	Band *		
Potassium	247 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*		
Chloride						Cl			Cl				
Sulfur						S			S				
Boron						B			B				
Zinc						Zn			Zn				
Iron						Fe			Fe				
Manganese						Mn			Mn				
Copper						Cu			Cu				
Magnesium						Mg			Mg				
Calcium						Lime			Lime				
Sodium													
Org.Matter													
Carbonate(CCE)													
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
									% Ca	% Mg	% K	% Na	% H
						0-6" 7.7							
Sol. Salts	0-6" 6-24"	1.35 mmho/cm 1.14 mmho/cm	*****			6-24" 7.8							

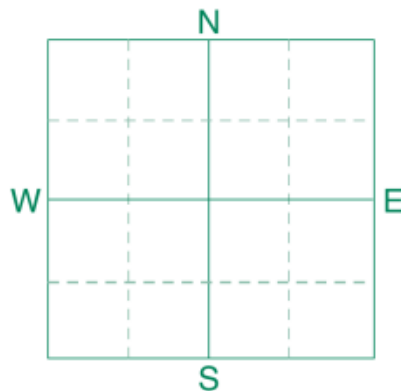
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELSE2738**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **27** QTR **SE** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116789** BOX # **3822**  
 LAB # **NW179784**

Date Sampled \_\_\_\_\_ Date Received **10/20/2020** Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	11 lb/acre 12 lb/acre					Canola-bu		Wheat-Spring		Grass/Pasture		
							YIELD GOAL		YIELD GOAL		YIELD GOAL		
	0-24"	23 lb/acre					50 BU		60 BU		4 Tons		
							SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
							Band		Band		Band		
							LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Olsen	12 ppm					N	152	N	139	N	97		
Phosphorus						P <sub>2</sub> O <sub>5</sub>	33 Band *	P <sub>2</sub> O <sub>5</sub>	27 Band *	P <sub>2</sub> O <sub>5</sub>	18 Band *		
Potassium	278 ppm					K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	0		
Chloride						Cl		Cl		Cl			
Sulfur						S		S		S			
Boron						B		B		B			
Zinc						Zn		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													
Carbonate(CCE)													
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
									% Ca	% Mg	% K	% Na	% H
						0-6" 7.8							
Sol. Salts	0-6" 6-24"	1.11 mmho/cm 2.35 mmho/cm				6-24" 7.9							

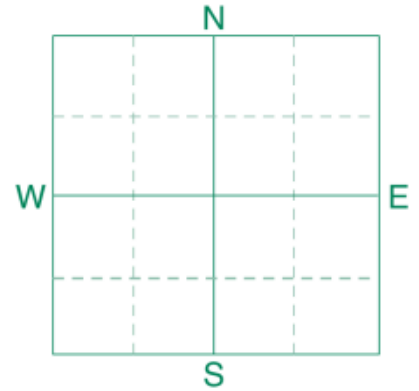
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELSE2734**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **27** QTR **SE** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116788** BOX # **3885**  
 LAB # **NW179783**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
	8 lb/acre 9 lb/acre					50 BU			60 BU			4 Tons		
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
	17 lb/acre					Band			Band			Band		
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	11 ppm	*****				N	158		N	145		N	103	
Phosphorus						P <sub>2</sub> O <sub>5</sub>	35	Band *	P <sub>2</sub> O <sub>5</sub>	29	Band *	P <sub>2</sub> O <sub>5</sub>	21	Band *
Potassium	292 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0	
Chloride						Cl			Cl			Cl		
Sulfur						S			S			S		
Boron						B			B			B		
Zinc						Zn			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														
Carbonate(CCE)														
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
									% Ca	% Mg	% K	% Na	% H	
						0-6" 7.7								
Sol. Salts	0-6" 6-24"	0.87 mmho/cm 2.01 mmho/cm	*****				6-24" 8.1							

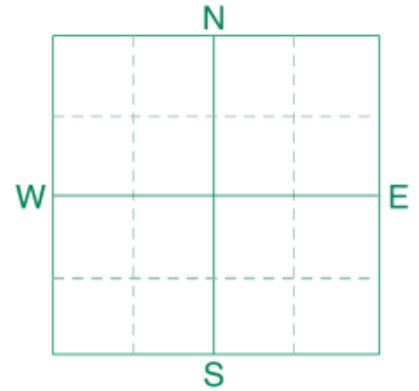
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELSW11160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **11** QTR **SW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116790** BOX # **3890**  
 LAB # **NW179785**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice					
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture					
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL					
		*****				50 BU			60 BU			4 Tons					
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES					
		*****				Band			Band			Band					
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION				
		*****				N	114		N	101		N	59				
Potassium	271 ppm	*****				P <sub>2</sub> O <sub>5</sub>	28	Band *	P <sub>2</sub> O <sub>5</sub>	23	Band *	P <sub>2</sub> O <sub>5</sub>	13	Band *			
Chloride						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0				
Sulfur						Cl			Cl			Cl					
Boron						S			S			S					
Zinc						B			B			B					
Iron						Zn			Zn			Zn					
Manganese						Fe			Fe			Fe					
Copper						Mn			Mn			Mn					
Magnesium						Cu			Cu			Cu					
Calcium						Mg			Mg			Mg					
Sodium						Lime			Lime			Lime					
Org.Matter						Soil pH			Buffer pH			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Carbonate(CCE)																	
Sol. Salts	0-6"	*****				0-6" 8.1											
	6-24"	*****				6-24" 8.4											

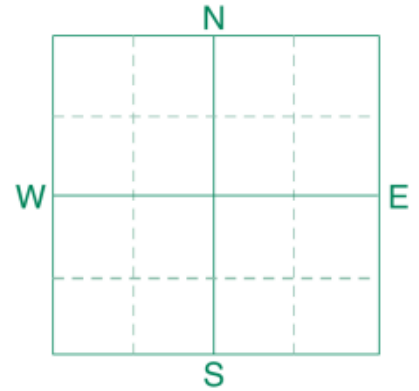
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELSW12160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **12** QTR **SW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116792** BOX # **3822**  
 LAB # **NW179786**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 6-24"	*****				Canola-bu		Wheat-Spring		Grass/Pasture		
	87 lb/acre 327 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL		
	0-24"					50 BU		60 BU		4 Tons		
	414 lb/acre					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
					Band		Band		Band			
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
					N	0	N	10	N	0		
Phosphorus	Olsen 107 ppm											
Potassium	650 ppm				P <sub>2</sub> O <sub>5</sub>	0	P <sub>2</sub> O <sub>5</sub>	0	P <sub>2</sub> O <sub>5</sub>	0		
Chloride					K <sub>2</sub> O	0	K <sub>2</sub> O	10	K <sub>2</sub> O	0		
								Band (Starter)*				
Sulfur					Cl		Cl		Cl			
Boron					S		S		S			
Zinc					B		B		B			
Iron					Zn		Zn		Zn			
Manganese					Fe		Fe		Fe			
Copper					Mn		Mn		Mn			
Magnesium					Cu		Cu		Cu			
Calcium					Mg		Mg		Mg			
Sodium					Lime		Lime		Lime			
Org.Matter					Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Carbonate(CCE)					Buffer pH			% Ca	% Mg	% K	% Na	% H
					0-6" 8.2							
Sol. Salts	0-6" 0.99 mmho/cm 6-24" 1.38 mmho/cm				6-24" 8.7							

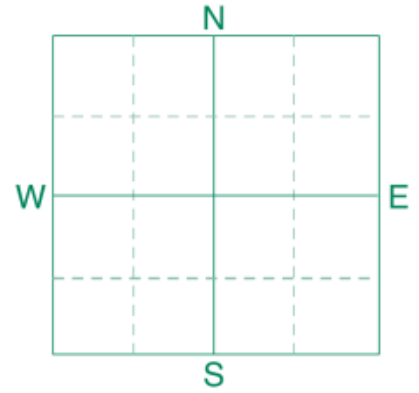
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

### SOIL TEST REPORT

FIELD ID **ELSW19160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **20W**  
 SECTION **19** QTR **SW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:  
**Perkins**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** ROA **OWO**

REF # **3116793** BOX # **4063**  
 LAB # **NW179787**

Date Sampled \_\_\_\_\_ Date Received **10/20/2020** Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	*****				Canola-bu		Wheat-Spring		Grass/Pasture			
						YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"					50 BU		60 BU		4 Tons			
	17 lb/acre					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
						Band		Band		Band			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	8 ppm	*****				N	158	N	145	N	103		
Phosphorus						P <sub>2</sub> O <sub>5</sub>	43	Band *	P <sub>2</sub> O <sub>5</sub>	35	Band *		
Potassium	287 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*		
Chloride						Cl			Cl				
Sulfur						S			S				
Boron						B			B				
Zinc						Zn			Zn				
Iron						Fe			Fe				
Manganese						Mn			Mn				
Copper						Cu			Cu				
Magnesium						Mg			Mg				
Calcium						Lime			Lime				
Sodium													
Org.Matter													
Carbonate(CCE)													
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
									% Ca	% Mg	% K	% Na	% H
						0-6" 7.9							
Sol. Salts	0-6" 6-24"	0.9 mmho/cm 1.5 mmho/cm	*****			6-24" 8.5							

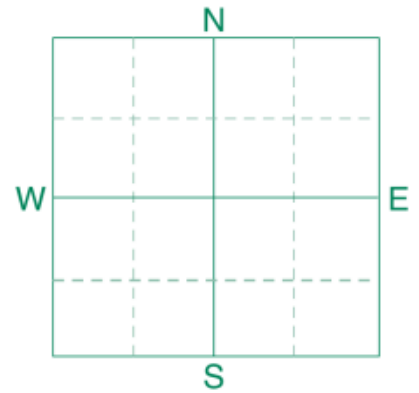
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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### SOIL TEST REPORT

FIELD ID **ELSW20160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **20W**  
 SECTION **20** QTR **SW** ACRES **0**  
 PREV. CROP



**SUBMITTED FOR:**

**Perkins**

**SUBMITTED BY: HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116795** BOX # **4042**  
 LAB # **NW179788**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice			
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture			
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL			
						50 BU			60 BU			4 Tons			
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			
						Band			Band			Band			
						LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	
						N	158		N	145		N	103		
Phosphorus	Olsen 4 ppm	*****				P <sub>2</sub> O <sub>5</sub>	53	Band *	P <sub>2</sub> O <sub>5</sub>	43	Band *	P <sub>2</sub> O <sub>5</sub>	38	Band *	
Potassium	169 ppm	*****				K <sub>2</sub> O	3	Band *	K <sub>2</sub> O	13	Band *	K <sub>2</sub> O	23	Band *	
Chloride						Cl			Cl			Cl			
Sulfur						S			S			S			
Boron						B			B			B			
Zinc						Zn			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															
Carbonate(CCE)															
Sol. Salts	0-6"	*****				Soil pH			Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24"	*****				Buffer pH					% Ca	% Mg	% K	% Na	% H
						0-6"	8.2								
						6-24"	8.6								

**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 guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

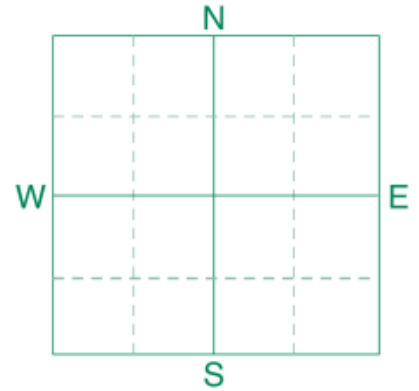




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### SOIL TEST REPORT

FIELD ID **ELSW24154**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **24** QTR **SW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116796** BOX # **4063**  
 LAB # **NW179789**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High							
Nitrate	0-6" 6-24"	***				Canola-bu		Wheat-Spring		Grass/Pasture		
			4 lb/acre 3 lb/acre			YIELD GOAL		YIELD GOAL		YIELD GOAL		
	0-24"		7 lb/acre			50 BU		60 BU		4 Tons		
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
					Band		Band		Band			
					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Olsen	6 ppm	*****			N	168	N	155	N	113		
Phosphorus					P <sub>2</sub> O <sub>5</sub>	48	Band *	P <sub>2</sub> O <sub>5</sub>	39	Band *		
Potassium	203 ppm	*****			K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*		
Chloride					Cl			Cl				
Sulfur					S			S				
Boron					B			B				
Zinc					Zn			Zn				
Iron					Fe			Fe				
Manganese					Mn			Mn				
Copper					Cu			Cu				
Magnesium					Mg			Mg				
Calcium					Lime			Lime				
Sodium												
Org.Matter												
Carbonate(CCE)												
					Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
								% Ca	% Mg	% K	% Na	% H
					0-6" 8.0							
Sol. Salts	0-6" 6-24"	0.61 mmho/cm 1.75 mmho/cm	*****		6-24" 8.5							

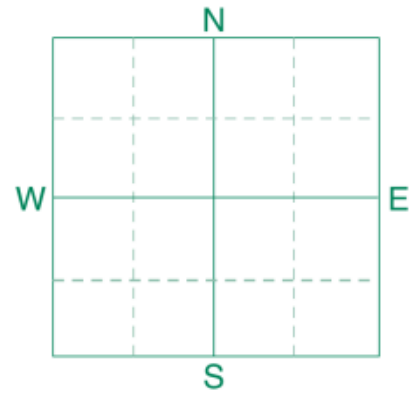
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **ELSW26151**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **26** QTR **SW** ACRES **0**  
 PREV. CROP



### SUBMITTED FOR:

**Perkins**

### SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **3116799** BOX # **3822**  
 LAB # **NW179791**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu		Wheat-Spring		Grass/Pasture				
Nitrate	0-6" <b>14 lb/acre</b>					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	6-24" <b>9 lb/acre</b>					50 BU		60 BU		4 Tons				
	0-24" <b>23 lb/acre</b>					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band		Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	<b>11 ppm</b>					N	<b>152</b>	N	<b>139</b>	N	<b>97</b>			
Phosphorus						P <sub>2</sub> O <sub>5</sub>	<b>35</b> <b>Band *</b>	P <sub>2</sub> O <sub>5</sub>	<b>29</b> <b>Band *</b>	P <sub>2</sub> O <sub>5</sub>	<b>21</b> <b>Band *</b>			
Potassium	<b>207 ppm</b>					K <sub>2</sub> O	<b>0</b>	K <sub>2</sub> O	<b>10</b> <b>Band (Starter)*</b>	K <sub>2</sub> O	<b>13</b> <b>Band *</b>			
Chloride						Cl		Cl		Cl				
Sulfur						S		S		S				
Boron						B		B		B				
Zinc						Zn		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														
Carbonate(CCE)														
						Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
										% Ca	% Mg	% K	% Na	% H
						0-6" <b>7.8</b>								
Sol. Salts	0-6" <b>2.28 mmho/cm</b> 6-24" <b>3.64 mmho/cm</b>					6-24" <b>8.4</b>								

Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

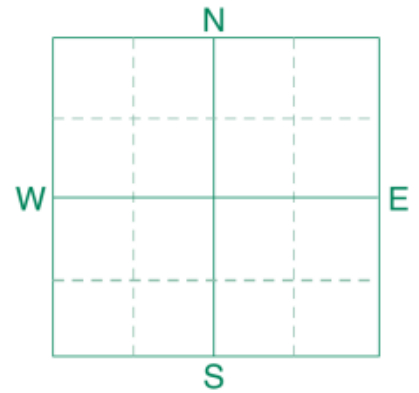
Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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

### SOIL TEST REPORT

FIELD ID **ELSW26101**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **5** RANGE **21W**  
 SECTION **26** QTR **SW** ACRES **0**  
 PREV. CROP



SUBMITTED FOR:

**Perkins**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB ROA 0W0**

REF # **3116797** BOX # **3822**  
 LAB # **NW179790**

Date Sampled

Date Received **10/20/2020**

Date Reported **10/26/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu		Wheat-Spring		Grass/Pasture		
Nitrate	0-6" 6-24"	11 lb/acre 12 lb/acre				YIELD GOAL		YIELD GOAL		YIELD GOAL		
	0-24"	23 lb/acre	*****			50 BU		60 BU		4 Tons		
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
						Band		Band		Band		
	Olsen	11 ppm	*****			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Phosphorus					N	152		N	139	N	97	
Potassium		263 ppm	*****			P <sub>2</sub> O <sub>5</sub>	35 Band *	P <sub>2</sub> O <sub>5</sub>	29 Band *	P <sub>2</sub> O <sub>5</sub>	21 Band *	
Chloride						K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	0	
Sulfur						Cl		Cl		Cl		
Boron						S		S		S		
Zinc						B		B		B		
Iron						Zn		Zn		Zn		
Manganese						Fe		Fe		Fe		
Copper						Mn		Mn		Mn		
Magnesium						Cu		Cu		Cu		
Calcium						Mg		Mg		Mg		
Sodium						Lime		Lime		Lime		
Org.Matter						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)		
Carbonate(CCE)						Buffer pH		% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6"	0.94 mmho/cm	*****			0-6" 7.9						
	6-24"	1.79 mmho/cm	*****			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 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**