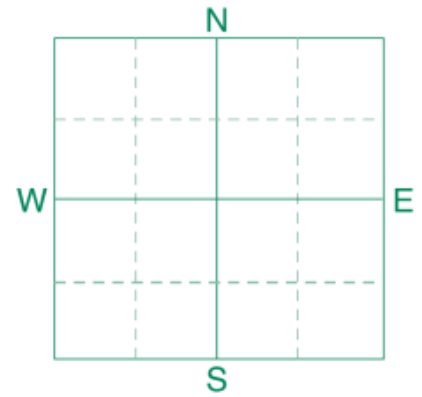




Soil Analysis by Agvise Laboratories  
 (<http://www.agvise.com>)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **PINW14160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **14** QTR **NW** ACRES **160**  
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:  
**Pinot**

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

REF # **2665206** BOX # **48**  
 LAB # **NW57009**

Date Sampled

Date Received **09/05/2019**

Date Reported **9/9/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Corn-Grain		Canola-bu						
Nitrate	0-6" 6-24"	20 lb/ac 42 lb/ac	*****	*****	*****	*****	*****	*****	*****	*****	*****			
	0-24"	62 lb/ac				160 BU	50 BU							
						SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES			
						Band	Band	Band	Band	Band	Band			
Phosphorus	Olsen	11 ppm	*****	*****	*****	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Potassium		193 ppm	*****	*****	*****	N	130	N	113	N				
Chloride						P <sub>2</sub> O <sub>5</sub>	44 Band *	P <sub>2</sub> O <sub>5</sub>	35 Band *	P <sub>2</sub> O <sub>5</sub>				
Sulfur	0-6" 6-24"	40 lb/ac 108 lb/ac	*****	*****	*****	K <sub>2</sub> O	21 Band *	K <sub>2</sub> O	0	K <sub>2</sub> O				
Boron						Cl		Cl		Cl				
Zinc						S	0	S	10 Band	S				
Iron						B		B		B				
Manganese						Zn		Zn		Zn				
Copper						Fe		Fe		Fe				
Magnesium						Mn		Mn		Mn				
Calcium						Cu		Cu		Cu				
Sodium						Mg		Mg		Mg				
Org.Matter						Lime		Lime		Lime				
Carbonate(CCE)						Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
Sol. Salts	0-6" 6-24"	0.39 mmho/cm 0.34 mmho/cm	*****	*****	*****	0-6" 7.1				% Ca	% Mg	% K	% Na	% H
						6-24" 8.5								

**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 59 K2O = 37 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

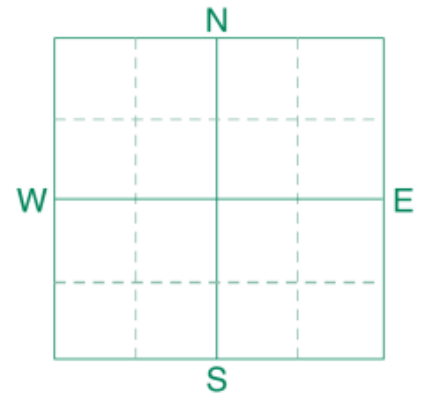
**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

## SOIL TEST REPORT

FIELD ID **PINE14160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **14** QTR **NE** ACRES **160**  
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:  
**Pinot**

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

REF # **2665207** BOX # **27**  
 LAB # **NW57010**

Date Sampled

Date Received **09/05/2019**

Date Reported **9/9/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice									
		VLow	Low	Med	High	Corn-Grain			Canola-bu												
Nitrate	0-6" 6-24"	26 lb/ac 39 lb/ac				YIELD GOAL			YIELD GOAL			YIELD GOAL									
	0-24"	65 lb/ac	*****			160 BU			50 BU												
						SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES									
						Band			Band												
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION								
Phosphorus	Olsen	15 ppm	*****					N	127		N	110		N							
Potassium		238 ppm	*****					P <sub>2</sub> O <sub>5</sub>	27	Band *	P <sub>2</sub> O <sub>5</sub>	25	Band *	P <sub>2</sub> O <sub>5</sub>							
Chloride								K <sub>2</sub> O	10	Band (2x2) *	K <sub>2</sub> O	0		K <sub>2</sub> O							
Sulfur	0-6" 6-24"	54 lb/ac 360 +lb/ac	*****					Cl			Cl			Cl							
Boron								S	0		S	10	Band	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)																	% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.43 mmho/cm 1.13 mmho/cm	*****					0-6"	8.0												
			*****					6-24"	8.2												

Crop 1: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 59 K2O = 37 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

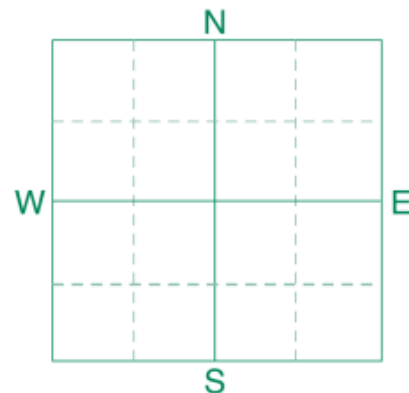
Crop 2: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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

## SOIL TEST REPORT

FIELD ID **SHSW27182**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **27** QTR **SW** ACRES **182**  
 PREV. CROP



SUBMITTED FOR:  
**Shiraz**

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

REF # **2952907** BOX # **505**  
 LAB # **NW56187**

Date Sampled

Date Received **08/22/2020**

Date Reported **8/25/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" <b>13 lb/acre</b>					Canola-bu		Wheat-Spring		Grass/Pasture				
	6-24" <b>18 lb/acre</b>					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" <b>31 lb/acre</b>					50 BU		60 BU		4 Tons				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band		Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen <b>9 ppm</b>					N <b>144</b>		N <b>131</b>		N <b>89</b>				
Potassium	<b>169 ppm</b>					P <sub>2</sub> O <sub>5</sub> <b>40</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub> <b>33</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub> <b>26</b>	<b>Band *</b>			
Chloride						K <sub>2</sub> O <b>3</b>	<b>Band *</b>	K <sub>2</sub> O <b>13</b>	<b>Band *</b>	K <sub>2</sub> O <b>23</b>	<b>Band *</b>			
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" <b>0.3 mmho/cm</b>					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24" <b>0.22 mmho/cm</b>									% Ca	% Mg	% K	% Na	% H
						0-6" <b>7.6</b>								
						6-24" <b>8.3</b>								

**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band 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: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

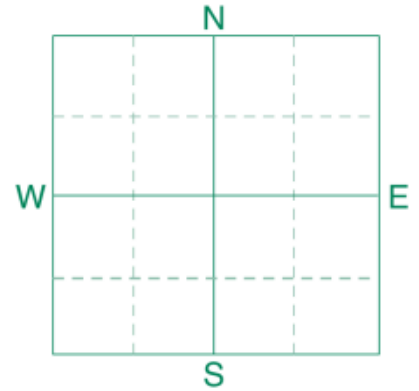
**Crop 3: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

### SOIL TEST REPORT

FIELD ID **PINW15158**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **15** QTR **NW** ACRES **158**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159588** BOX # **1008**  
 LAB # **NW215480**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Corn-Grain			Canola-bu			YIELD GOAL		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
		*****				160 BU			44 BU					
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
		*****				Band			Band					
Phosphorus	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
		*****				N	91		N	53		N		
Potassium		*****				P <sub>2</sub> O <sub>5</sub>	27	Band *	P <sub>2</sub> O <sub>5</sub>	22	Band *	P <sub>2</sub> O <sub>5</sub>		
Chloride		*****				K <sub>2</sub> O	10	Band (2x2) *	K <sub>2</sub> O	0		K <sub>2</sub> O		
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"	*****				0-6"	7.2							
	6-24"	*****				6-24"	8.1							

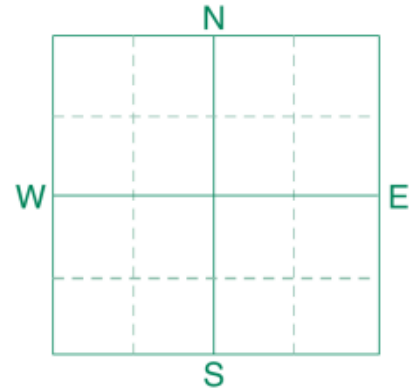
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 59 K2O = 37 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K2O = 20 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

### SOIL TEST REPORT

FIELD ID **PISE15151**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **15** QTR **SE** ACRES **151**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159589** BOX # **1083**  
 LAB # **NW215481**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

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		
	17 lb/acre 30 lb/acre					44 BU	70 BU	4 Tons						
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
	47 lb/acre					Band			Band			Band		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
	Olsen					N	107		N	142		N	73	
Phosphorus	12 ppm					P <sub>2</sub> O <sub>5</sub>	29	Band *	P <sub>2</sub> O <sub>5</sub>	32	Band *	P <sub>2</sub> O <sub>5</sub>	18	Band *
Potassium	241 ppm					K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	4	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						Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Org.Matter						Buffer pH			% Ca	% Mg	% K	% Na	% H	
Carbonate(CCE)						0-6"	7.4							
						6-24"	7.9							
Sol. Salts	0-6" 6-24"													
	0.46 mmho/cm 0.35 mmho/cm													

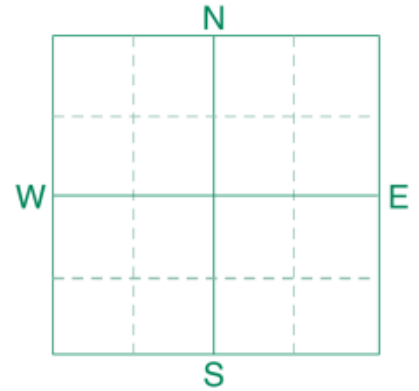
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K2O = 20 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 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  
 (http://www.agvise.com)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **PISW15108**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **15** QTR **SW** ACRES **77**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159593** BOX # **1082**  
 LAB # **NW215482**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu		Wheat-Spring		Barley				
Nitrate	0-6" 6-24"	*****				YIELD GOAL		YIELD GOAL		YIELD GOAL				
		*****				44 BU		70 BU		80 BU				
	0-24"	*****				SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		*****				Band		Band		Band				
		*****				LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	18 ppm	*****				N	91	N	126	N	87	Customized		
Phosphorus		*****				P <sub>2</sub> O <sub>5</sub>	15	P <sub>2</sub> O <sub>5</sub>	18	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*		
Potassium	281 ppm	*****				K <sub>2</sub> O	0	K <sub>2</sub> O	10	K <sub>2</sub> O	10	Band (Starter)*		
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	0	Lime	0	Lime	0			
Sodium														
Org.Matter														
Carbonate(CCE)														
Sol. Salts	0-6"	*****				Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
	6-24"	*****				0-6" 6.9				% Ca	% Mg	% K	% Na	% H
						6-24" 7.6								

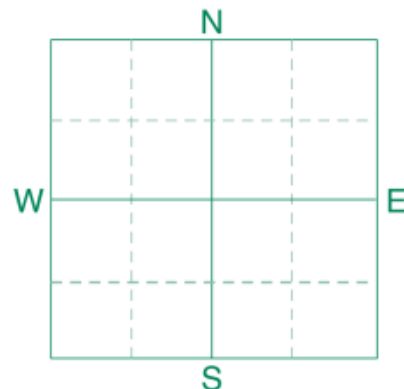
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K2O = 20 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 3: Nitrogen guideline customized by the submitter. \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 38 K2O = 40 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

### SOIL TEST REPORT

FIELD ID **PINE15158**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **15** QTR **NE** ACRES **143**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159594** BOX # **1083**  
 LAB # **NW215483**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
		VLow	Low	Med	High	Corn-Grain			Canola-bu							
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL				
		*****				160 BU			44 BU							
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
		*****				Band			Band							
		*****				LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION		
Olsen	17 ppm	*****				N	128		N	90		N				
Phosphorus		*****				P <sub>2</sub> O <sub>5</sub>	19	Band *	P <sub>2</sub> O <sub>5</sub>	18	Band *	P <sub>2</sub> O <sub>5</sub>				
Potassium	282 ppm	*****				K <sub>2</sub> O	10	Band (2x2) *	K <sub>2</sub> O	0		K <sub>2</sub> O				
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" 6-24"	*****				0-6"	7.2									
		*****				6-24"	8.0									

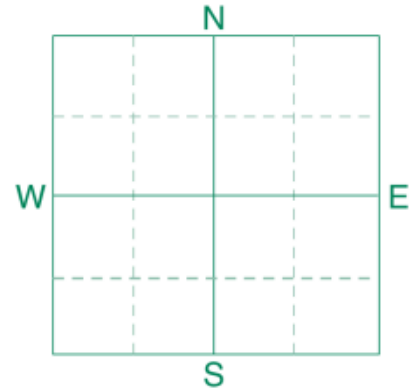
Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 59 K2O = 37 AGVISE Band guideline will build P & K test levels to the medium range over several years.  
 Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K2O = 20 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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

### SOIL TEST REPORT

FIELD ID **PINE22109**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **22** QTR **NE** ACRES **109**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159595** BOX # **1008**  
 LAB # **NW215484**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" 6-24"	14 lb/acre 18 lb/acre				Canola-bu		Wheat-Spring		Corn-Grain				
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"	32 lb/acre	*****			44 BU		70 BU		160 BU				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band		Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	12 ppm	*****				N	122	N	157	N	160			
Phosphorus						P <sub>2</sub> O <sub>5</sub>	29	Band *	P <sub>2</sub> O <sub>5</sub>	32	Band *			
Potassium	259 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" 7.4								
Sol. Salts	0-6" 6-24"	0.44 mmho/cm 0.32 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 = 40 K2O = 20 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 = 44 K2O = 26 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 = 59 K2O = 37 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

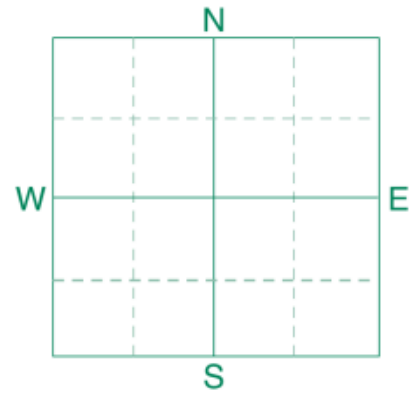




Soil Analysis by Agvise Laboratories  
 (http://www.agvise.com)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **PIW22110**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **22** QTR **W** ACRES **110**  
 PREV. CROP



### SUBMITTED FOR:

Pinot

### SUBMITTED BY: HY4851

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

REF # **3159596** BOX # **1082**  
 LAB # **NW215485**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Corn-Grain		
Nitrate	0-6" 6-24"	10 lb/acre 12 lb/acre				YIELD GOAL			YIELD GOAL			YIELD GOAL		
	0-24"	22 lb/acre	*****			44 BU			70 BU			160 BU		
						SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Olsen	65 ppm	*****				N	132		N	167		N	170	
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>	15	Band (2x2) *
Potassium	318 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	10	Band (2x2) *
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"	0.36 mmho/cm	*****			Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
	6-24"	0.24 mmho/cm	*****			0-6" 7.0			% Ca	% Mg	% K	% Na	% H	
						6-24" 8.1								

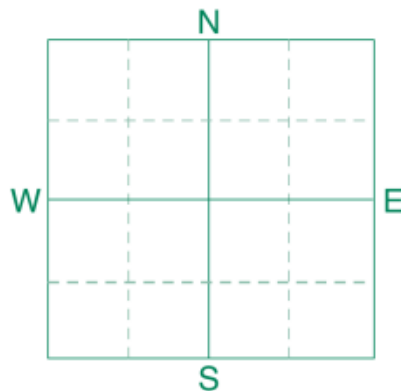
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K2O = 20 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 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 = 59 K2O = 37 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

### SOIL TEST REPORT

FIELD ID **PIS22156**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **22** QTR **S** ACRES **156**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159597** BOX # **1082**  
 LAB # **NW215486**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Corn-Grain		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
						44 BU			70 BU			160 BU		
	0-24"	*****				SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Olsen	22 ppm	*****				N	116		N	151		N	154	
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>	15	Band (2x2) *
Potassium	266 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	10	Band (2x2) *
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			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Org.Matter						Buffer pH			% Ca	% Mg	% K	% Na	% H	
Carbonate(CCE)						0-6" 7.0								
						6-24" 8.0								
Sol. Salts	0-6" 0.43 mmho/cm 6-24" 0.32 mmho/cm	*****												

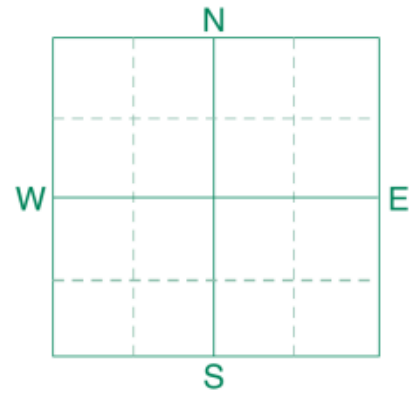
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 40 K2O = 20 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 44 K2O = 26 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 = 59 K2O = 37 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

## SOIL TEST REPORT

FIELD ID **PISW23120**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **23** QTR **SW** ACRES **120**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159598** BOX # **1082**  
 LAB # **NW215487**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

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	14 ppm	*****				N	67		N	54		N	12	
Phosphorus		*****				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 *
Potassium	198 ppm	*****				K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	15	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" 7.9								
Sol. Salts						6-24" 8.3								
	0-6" 6-24"	*****												
		*****												
	0.46 mmho/cm 0.37 mmho/cm	*****												

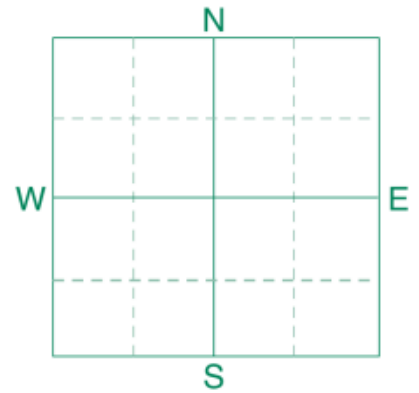
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can 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  
 (http://www.agvise.com)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **PISE2396**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **23** QTR **SE** ACRES **66**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159599** BOX # **1083**  
 LAB # **NW215488**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	23 lb/acre 33 lb/acre				Canola-bu		Wheat-Spring		Grass/Pasture			
						YIELD GOAL		YIELD GOAL		YIELD GOAL			
	0-24"	56 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		
Phosphorus	Olsen	12 ppm				N	119	N	106	N	64		
Potassium		193 ppm				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 *		
Chloride						K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	17 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						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6"	0.37 mmho/cm				0-6"	8.1						
	6-24"	0.48 mmho/cm				6-24"	8.4						

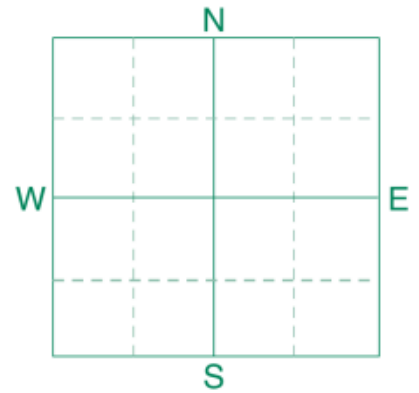
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can 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  
 (http://www.agvise.com)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **PISW2480**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **24** QTR **SW** ACRES **80**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159600** BOX # **1082**  
 LAB # **NW215489**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

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	18 ppm	*****				N	72		N	59		N	17			
Phosphorus		*****				P <sub>2</sub> O <sub>5</sub>	18	Band *	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	3	Band *		
Potassium	255 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)																
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		
	0.45 mmho/cm					6-24"	8.4									
	0.44 mmho/cm															

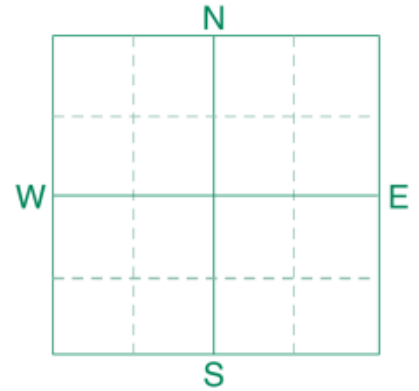
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can 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  
 (http://www.agvise.com)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

### SOIL TEST REPORT

FIELD ID **PINE08160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **8** QTR **NE** ACRES **147**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159601** BOX # **1008**  
 LAB # **NW215490**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

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		
	Olsen	*****				LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Phosphorus	18 ppm	*****				N	78		N	65		N	23	
Potassium	232 ppm	*****				P <sub>2</sub> O <sub>5</sub>	18	Band *	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	3	Band *
Chloride						K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	7	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						Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6"	*****				0-6"	7.0							
	6-24"	*****				6-24"	7.9							

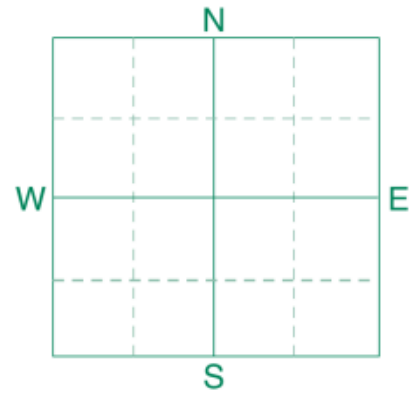
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can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



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

### SOIL TEST REPORT

FIELD ID **PISE08160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **2** RANGE **16-W**  
 SECTION **8** QTR **SE** ACRES **130**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **3159602** BOX # **1008**  
 LAB # **NW215491**

Date Sampled

Date Received **11/13/2020**

Date Reported **11/16/2020**

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				
	35 lb/acre 39 lb/acre					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"					50 BU		60 BU		4 Tons				
	74 lb/acre					SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band		Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Olsen	13 ppm					N	101	N	88	N	46			
Phosphorus						P <sub>2</sub> O <sub>5</sub>	30	Band *	P <sub>2</sub> O <sub>5</sub>	25	Band *			
Potassium	243 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" 7.3								
Sol. Salts	0-6" 6-24"	0.55 mmho/cm 0.42 mmho/cm	*****	*****		6-24" 8.1								

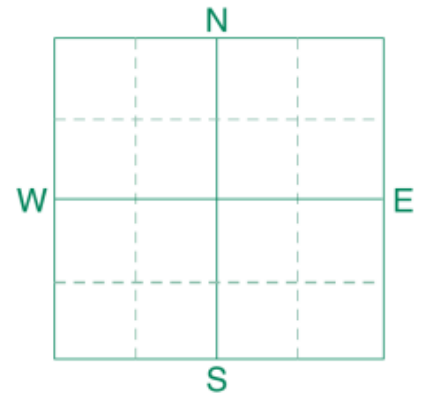
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P205 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can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



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

## SOIL TEST REPORT

FIELD ID **PINW10158**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **02** RANGE **16-W**  
 SECTION **10** QTR **NW** ACRES **158**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **2970710** BOX # **10278**  
 LAB # **NW97226**

Date Sampled

Date Received **09/22/2020**

Date Reported **9/24/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" <b>23 lb/acre</b>					Canola-bu		Wheat-Spring		Grass/Pasture				
	6-24" <b>24 lb/acre</b>					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" <b>47 lb/acre</b>					50 BU		60 BU		4 Tons				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band		Band				
	<b>Olsen</b> <b>5 ppm</b>					LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus						N <b>128</b>		N <b>115</b>		N <b>73</b>				
Potassium	<b>130 ppm</b>					P <sub>2</sub> O <sub>5</sub> <b>50</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub> <b>41</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub> <b>36</b>	<b>Band *</b>			
Chloride						K <sub>2</sub> O <b>23</b>	<b>Band *</b>	K <sub>2</sub> O <b>29</b>	<b>Band *</b>	K <sub>2</sub> O <b>33</b>	<b>Band *</b>			
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" <b>0.45 mmho/cm</b>					0-6" <b>7.0</b>								
Sol. Salts	6-24" <b>0.27 mmho/cm</b>					6-24" <b>7.1</b>								

**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band 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: P2O5 = 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: P2O5 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**

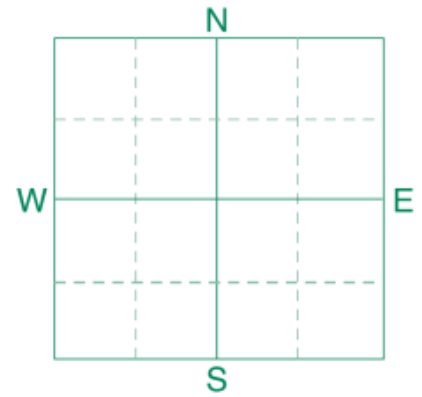




Soil Analysis by Agvise Laboratories  
 (http://www.agvise.com)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **PISE09160**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **02** RANGE **16-W**  
 SECTION **9** QTR **SE** ACRES **160**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **2970722** BOX # **3107**  
 LAB # **NW84210**

Date Sampled

Date Received **09/15/2020**

Date Reported **9/18/2020**

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			
	17 lb/acre 27 lb/acre					50 BU	60 BU	4 Tons							
	0-24"					44 lb/acre	SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band			
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
	<b>Olsen</b>					N	<b>131</b>	N	<b>118</b>	N	<b>76</b>				
Phosphorus	<b>14 ppm</b>	*****				P <sub>2</sub> O <sub>5</sub>	<b>28</b>	P <sub>2</sub> O <sub>5</sub>	<b>23</b>	P <sub>2</sub> O <sub>5</sub>	<b>13</b>				
Potassium	<b>236 ppm</b>	*****					<b>Band *</b>		<b>Band *</b>		<b>Band *</b>				
Chloride						K <sub>2</sub> O	<b>0</b>	K <sub>2</sub> O	<b>10</b>	K <sub>2</sub> O	<b>6</b>				
Sulfur									<b>(Starter)*</b>		<b>Band *</b>				
Boron						Cl		Cl		Cl					
Zinc						S		S		S					
Iron						B		B		B					
Manganese						Zn		Zn		Zn					
Copper						Fe		Fe		Fe					
Magnesium						Mn		Mn		Mn					
Calcium						Cu		Cu		Cu					
Sodium						Mg		Mg		Mg					
Org.Matter						Lime		Lime		Lime					
Carbonate(CCE)						Soil pH			Buffer pH			Cation Exchange Capacity			
						% Base Saturation (Typical Range)			% Ca			% Mg			
						% K			% Na			% H			
						0-6"	<b>7.1</b>								
Sol. Salts	0-6" 6-24"	*****				6-24"	<b>8.3</b>								
	<b>0.49 mmho/cm</b> <b>0.31 mmho/cm</b>	*****													

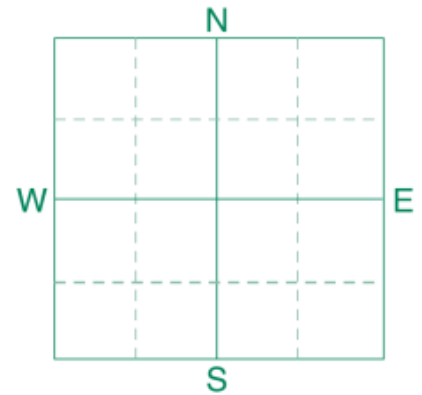
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 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: P2O5 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

## SOIL TEST REPORT

FIELD ID **PISW10158**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **02** RANGE **16-W**  
 SECTION **10** QTR **SW** ACRES **158**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **2970718** BOX # **3169**  
 LAB # **NW84209**

Date Sampled

Date Received **09/15/2020**

Date Reported **9/18/2020**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		VLow	Low	Med	High									
Nitrate	0-6" <b>19 lb/acre</b>					Canola-bu		Wheat-Spring		Grass/Pasture				
	6-24" <b>21 lb/acre</b>					YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24" <b>40 lb/acre</b>					50 BU		60 BU		4 Tons				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Band		Band		Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen <b>7 ppm</b>					N <b>135</b>		N <b>122</b>		N <b>80</b>				
Potassium	<b>168 ppm</b>					P <sub>2</sub> O <sub>5</sub> <b>45</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub> <b>37</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub> <b>31</b>	<b>Band *</b>			
Chloride						K <sub>2</sub> O <b>4</b>	<b>Band *</b>	K <sub>2</sub> O <b>13</b>	<b>Band *</b>	K <sub>2</sub> O <b>23</b>	<b>Band *</b>			
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 <b>0</b>		Lime <b>0</b>		Lime <b>0</b>				
Org.Matter						Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" <b>0.42 mmho/cm</b> 6-24" <b>0.33 mmho/cm</b>					0-6" <b>6.9</b>								
						6-24" <b>8.0</b>								

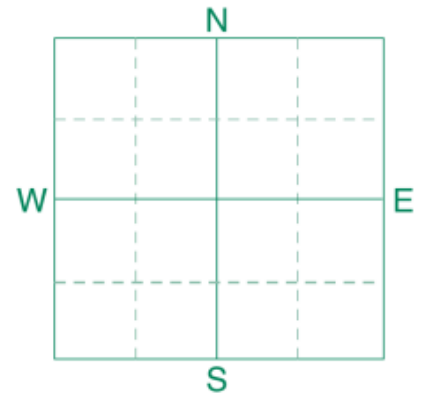
**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.**  
**Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 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: P2O5 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**



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

## SOIL TEST REPORT

FIELD ID **PINE09146**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **02** RANGE **16-W**  
 SECTION **9** QTR **NE** ACRES **146**  
 PREV. CROP



SUBMITTED FOR:  
**Pinot**

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

REF # **2970721** BOX # **10276**  
 LAB # **NW97227**

Date Sampled

Date Received **09/22/2020**

Date Reported **9/24/2020**

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"	19 lb/acre 21 lb/acre				YIELD GOAL			YIELD GOAL			YIELD GOAL		
	0-24"	40 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	
	<b>Olsen</b>	<b>12 ppm</b>	*****			N	<b>135</b>		N	<b>122</b>		N	<b>80</b>	
Phosphorus						P <sub>2</sub> O <sub>5</sub>	<b>33</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub>	<b>27</b>	<b>Band *</b>	P <sub>2</sub> O <sub>5</sub>	<b>18</b>	<b>Band *</b>
Potassium		<b>208 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	<b>0</b>		Lime	<b>0</b>		Lime	<b>0</b>	
Sodium						Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Org.Matter						Buffer pH			% Ca	% Mg	% K	% Na	% H	
Carbonate(CCE)						0-6"	<b>6.8</b>							
Sol. Salts	0-6" 6-24"	0.39 mmho/cm 0.27 mmho/cm	*****			6-24"	<b>8.0</b>							

**Crop 1: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band 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: P2O5 = 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: P2O5 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.**