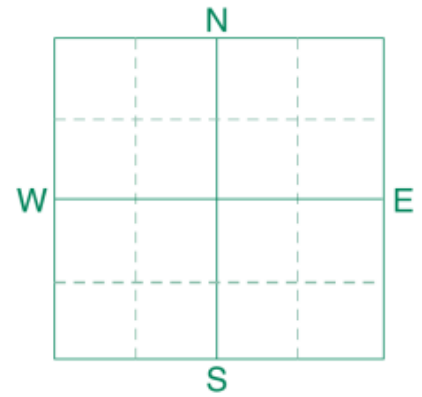




Soil Analysis by Agvise Laboratories
<http://www.agvise.com>
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **WONW05124**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **3** RANGE **15-W**
 SECTION **5** QTR **NW** ACRES **124**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175465** BOX # **2120**
 LAB # **NW227920**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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 | | | |
| | 69 lb/acre 51 lb/acre | | | | | 50 BU | 60 BU | 4 Tons | | | | | | | |
| | 0-24" | | | | | 120 lb/acre | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | |
| | | | | | | | Band | | | Band | | | Band | | |
| | | | | | | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | | | | |
| Phosphorus | Olsen 5 ppm | ***** | | | | N 55 | | N 42 | | N 0 | | | | | |
| Potassium | 318 ppm | ***** | | | | P ₂ O ₅ 50 | Band * | P ₂ O ₅ 41 | Band * | P ₂ O ₅ 36 | Band * | | | | |
| Chloride | | | | | | K ₂ O 0 | | K ₂ O 10 | Band (Starter)* | K ₂ 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 | | | | | | | | | | | | | | | |
| 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" 7.9 | | | | | | | | | |
| | 1.28 mmho/cm 2.53 mmho/cm | | | | | 6-24" 8.3 | | | | | | | | | |

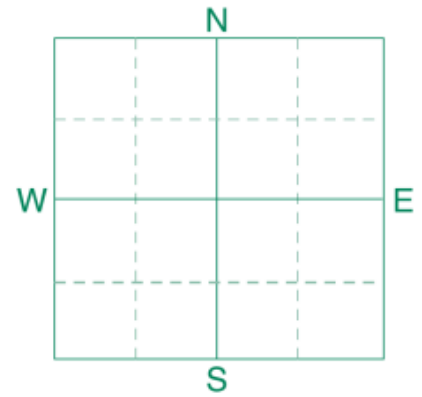
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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 **WONE05118**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **3** RANGE **15-W**
 SECTION **5** QTR **NE** ACRES **118**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175466** BOX # **2126**
 LAB # **NW227921**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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 | | |
| | 44 lb/acre 21 lb/acre | | | | | 50 BU | 60 BU | 4 Tons | | | | | | |
| | 0-24" | | | | | 65 lb/acre | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | |
| | | | | | | Band | | | Band | | | Band | | |
| | | | | | | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | |
| Phosphorus | Olsen 13 ppm | ***** | | | | N 110 | | N 97 | | N 55 | | | | |
| Potassium | 232 ppm | ***** | | | | P ₂ O ₅ 30 | Band * | P ₂ O ₅ 25 | Band * | P ₂ O ₅ 16 | Band * | | | |
| Chloride | | | | | | K ₂ O 0 | | K ₂ O 10 | Band (Starter)* | K ₂ 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" 6-24" | ***** | | | | 0-6" 7.9 | | | | | | | | |
| | 1.13 mmho/cm 2.19 mmho/cm | ***** | | | | 6-24" 8.2 | | | | | | | | |

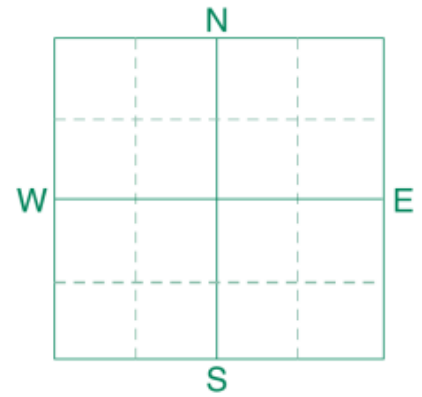
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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
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 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **WOSE05102**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **3** RANGE **15-W**
 SECTION **5** QTR **SE** ACRES **102**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175467** BOX # **2126**
 LAB # **NW227922**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| Nutrient In The Soil | | Interpretation | | | | 1st Crop Choice | | | 2nd Crop Choice | | | 3rd Crop Choice | | | | | |
|----------------------|--|----------------|-----|-----|------|-------------------------------|-------------|---------------|-------------------------------|-------------|------------------------|-------------------------------|-------------|---------------|-----------------------------------|-----|--|
| | | VLow | Low | Med | High | Canola-bu | | | Wheat-Spring | | | Grass/Pasture | | | | | |
| | | ***** | | | | YIELD GOAL | | | YIELD GOAL | | | YIELD GOAL | | | | | |
| | | ***** | | | | 50 BU | | | 60 BU | | | 4 Tons | | | | | |
| | | ***** | | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | | | |
| | | ***** | | | | Band | | | Band | | | Band | | | | | |
| | | ***** | | | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | | | | |
| Nitrate | 0-6" 6-24" 47 lb/acre 42 lb/acre 0-24" 89 lb/acre | | | | | N | 86 | | N | 73 | | N | 31 | | | | |
| Phosphorus | Olsen 5 ppm | | | | | P ₂ O ₅ | 50 | Band * | P ₂ O ₅ | 41 | Band * | P ₂ O ₅ | 36 | Band * | | | |
| Potassium | 258 ppm | | | | | K ₂ O | 0 | | K ₂ O | 10 | Band (Starter)* | K ₂ 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 | | | | | | | | | | | | % Ca | % Mg | % K | % Na | % H | |
| Carbonate(CCE) | | | | | | 0-6" 7.8 | | | | | | | | | | | |
| Sol. Salts | 0-6" 6-24" 0.51 mmho/cm 1.2 mmho/cm | | | | | 6-24" 8.2 | | | | | | | | | | | |

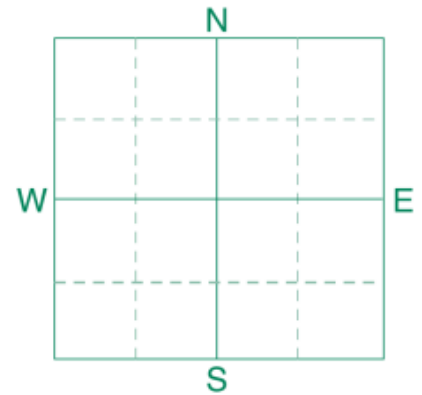
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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 **WONE25124**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **16-W**
 SECTION **25** QTR **NE** ACRES **124**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175468** BOX # **2126**
 LAB # **NW227923**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| Nutrient In The Soil | | Interpretation | | | | 1st Crop Choice | | | 2nd Crop Choice | | | 3rd Crop Choice | | |
|----------------------|--|----------------|-----|-----|------|-------------------------------|-------------|--------|-------------------------------|-------------|-----------------|-----------------------------------|-------------|--------|
| | | VLow | Low | Med | High | Canola-bu | | | Wheat-Spring | | | Grass/Pasture | | |
| | | ***** | | | | YIELD GOAL | | | YIELD GOAL | | | YIELD GOAL | | |
| | | ***** | | | | 50 BU | | | 60 BU | | | 4 Tons | | |
| | | ***** | | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | |
| | | ***** | | | | Band | | | Band | | | Band | | |
| | | ***** | | | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | |
| Nitrate | 0-6" 6-24" 34 lb/acre 12 lb/acre 0-24" 46 lb/acre | | | | | N | 129 | | N | 116 | | N | 74 | |
| Phosphorus | Olsen 11 ppm | | | | | P ₂ O ₅ | 35 | Band * | P ₂ O ₅ | 29 | Band * | P ₂ O ₅ | 21 | Band * |
| Potassium | 429 ppm | | | | | K ₂ O | 0 | | K ₂ O | 10 | Band (Starter)* | K ₂ 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 | | | Cation Exchange Capacity | | | % Base Saturation (Typical Range) | | |
| Org.Matter | | | | | | Buffer pH | | | % Ca | % Mg | % K | % Na | % H | |
| Carbonate(CCE) | | | | | | 0-6" 7.9 | | | | | | | | |
| Sol. Salts | 0-6" 6-24" 2.32 mmho/cm 2.85 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. High salinity may decrease crop yield. 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. High salinity may decrease crop yield. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

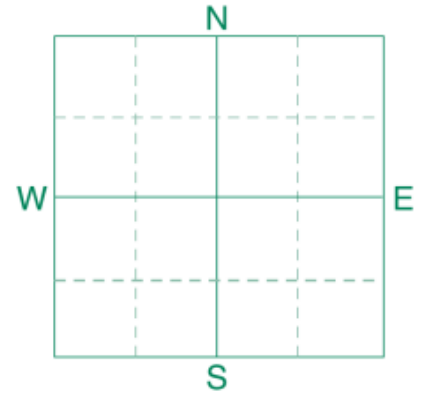
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P2O5 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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

SOIL TEST REPORT

FIELD ID **WONW30144**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **15-W**
 SECTION **30** QTR **NW** ACRES **144**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175470** BOX # **2126**
 LAB # **NW227925**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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" | 32 lb/acre 33 lb/acre | | | | YIELD GOAL | | | YIELD GOAL | | | YIELD GOAL | | |
| | | | ***** | | | 50 BU | | | 60 BU | | | 4 Tons | | |
| | 0-24" | 65 lb/acre | | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | |
| | | | | | | Band | | | Band | | | Band | | |
| | | | | | | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | |
| Phosphorus | Olsen | 8 ppm | ***** | | | N | 110 | | | N | 97 | | | |
| Potassium | | 295 ppm | ***** | | | P ₂ O ₅ | 43 | Band * | P ₂ O ₅ | 35 | Band * | P ₂ O ₅ | 28 | Band * |
| Chloride | | | | | | K ₂ O | 0 | | K ₂ O | 10 | Band (Starter)* | K ₂ 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" 6-24" | 1.33 mmho/cm 1.98 mmho/cm | ***** | | | 0-6" 8.0 | | | | | | | | |
| | | | ***** | | | 6-24" 8.3 | | | | | | | | |

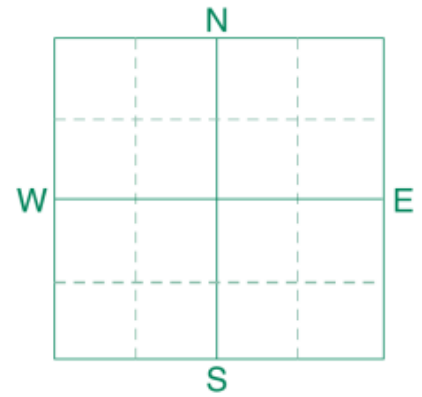
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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 **WOSW30156**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **15-W**
 SECTION **30** QTR **SW** ACRES **156**
 PREV. CROP



SUBMITTED FOR:

Wolf

SUBMITTED BY: **HY4851**

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

ROA 0W0

REF # **3175471** BOX # **2149**
 LAB # **NW227926**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| Nutrient In The Soil | | Interpretation | | | | 1st Crop Choice | | | 2nd Crop Choice | | | 3rd Crop Choice | | | | | |
|----------------------|--|----------------|-----|-----|------|-------------------------------|-------------|---------------|-------------------------------|-------------|------------------------|-------------------------------|-------------|---------------|-----------------------------------|-----|--|
| | | VLow | Low | Med | High | Canola-bu | | | Wheat-Spring | | | Grass/Pasture | | | | | |
| | | ***** | | | | YIELD GOAL | | | YIELD GOAL | | | YIELD GOAL | | | | | |
| | | ***** | | | | 50 BU | | | 60 BU | | | 4 Tons | | | | | |
| | | ***** | | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | | | |
| | | ***** | | | | Band | | | Band | | | Band | | | | | |
| | | ***** | | | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | | | | |
| Nitrate | 0-6" 6-24" 62 lb/acre 48 lb/acre 0-24" 110 lb/acre | | | | | N | 65 | | N | 52 | | N | 10 | | | | |
| Phosphorus | Olsen 9 ppm | | | | | P ₂ O ₅ | 40 | Band * | P ₂ O ₅ | 33 | Band * | P ₂ O ₅ | 26 | Band * | | | |
| Potassium | 259 ppm | | | | | K ₂ O | 0 | | K ₂ O | 10 | Band (Starter)* | K ₂ 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 | | | | | | | | | | | | % Ca | % Mg | % K | % Na | % H | |
| Carbonate(CCE) | | | | | | 0-6" 7.9 | | | | | | | | | | | |
| Sol. Salts | 0-6" 6-24" 2.0 mmho/cm 2.29 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. High salinity may decrease crop yield. 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. High salinity may decrease crop yield. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

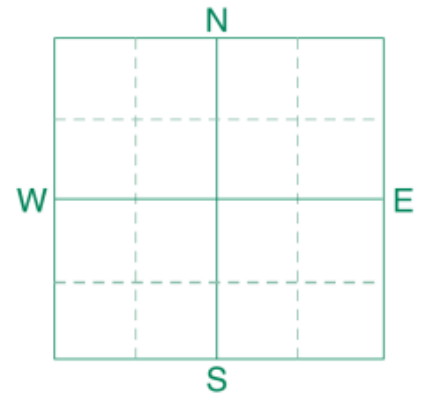
Crop 3: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. Crop nutrient removal: P2O5 = 48 K2O = 180 AGVISE Band guideline will build P & K test levels to the medium range over several years.



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

SOIL TEST REPORT

FIELD ID **WOSE30140**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **15-W**
 SECTION **30** QTR **SE** ACRES **140**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175472** BOX # **2133**
 LAB # **NW227927**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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 | | |
| | 27 lb/acre 24 lb/acre | | | | | 50 BU | 60 BU | 4 Tons | | | | | | |
| | 0-24" | | | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | |
| | 51 lb/acre | | | | | Band | | | Band | | | Band | | |
| | | | | | | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | |
| Phosphorus | Olsen 9 ppm | | | | | N 124 | | N 111 | | N 69 | | | | |
| Potassium | 271 ppm | | | | | P ₂ O ₅ 40 | Band * | P ₂ O ₅ 33 | Band * | P ₂ O ₅ 26 | Band * | | | |
| Chloride | | | | | | K ₂ O 0 | | K ₂ O 10 | Band (Starter)* | K ₂ 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" 6-24" | ***** | ***** | ***** | ***** | 0-6" 7.5 | | | | | | | | |
| | 0.41 mmho/cm 0.68 mmho/cm | | | | | 6-24" 8.0 | | | | | | | | |

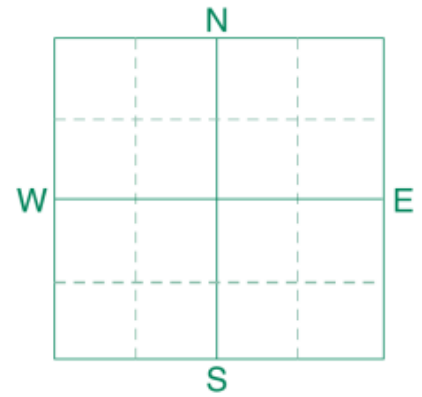
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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 **WONE30138**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **15-W**
 SECTION **30** QTR **NE** ACRES **138**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175473** BOX # **2149**
 LAB # **NW227928**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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 | | |
| | 24 lb/acre 24 lb/acre | | | | | 50 BU | 60 BU | 4 Tons | | | | | | |
| | 0-24" | | | | | 48 lb/acre | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | |
| | | | | | | Band | | | Band | | | Band | | |
| | | | | | | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | |
| Phosphorus | Olsen 10 ppm | ***** | | | | N 127 | | N 114 | | N 72 | | | | |
| Potassium | 270 ppm | ***** | | | | P ₂ O ₅ 38 | Band * | P ₂ O ₅ 31 | Band * | P ₂ O ₅ 23 | Band * | | | |
| Chloride | | | | | | K ₂ O 0 | | K ₂ O 10 | Band (Starter)* | K ₂ 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 | | |
| | | | | | | 0-6" 7.4 | | | | | | | | |
| Sol. Salts | 0-6" 6-24" | ***** | | | | 6-24" 8.2 | | | | | | | | |
| | 0.48 mmho/cm 0.62 mmho/cm | ***** | | | | | | | | | | | | |

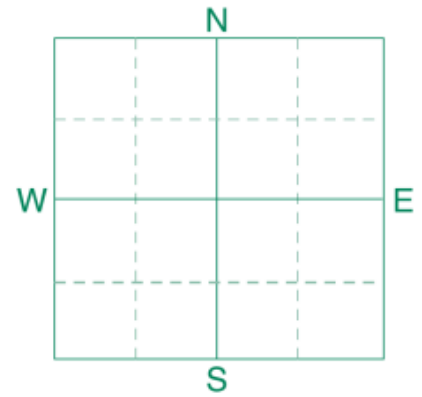
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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 **WOSW29119**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **15-W**
 SECTION **29** QTR **SW** ACRES **119**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175474** BOX # **2133**
 LAB # **NW227929**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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 | | |
| | 28 lb/acre 24 lb/acre | | | | | 50 BU | 60 BU | 4 Tons | | | | | | |
| | 0-24" | | | | | 52 lb/acre | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | | | SUGGESTED GUIDELINES | |
| | | | | | | Band | | | Band | | | Band | | |
| | | | | | | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | LB/ACRE | APPLICATION | |
| Phosphorus | Olsen 11 ppm | ***** | | | | N 123 | | N 110 | | N 68 | | | | |
| Potassium | 299 ppm | ***** | | | | P ₂ O ₅ 35 | Band * | P ₂ O ₅ 29 | Band * | P ₂ O ₅ 21 | Band * | | | |
| Chloride | | | | | | K ₂ O 0 | | K ₂ O 10 | Band (Starter)* | K ₂ 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" 6-24" | ***** | | | | 0-6" 7.1 | | | | | | | | |
| | 0.99 mmho/cm 0.98 mmho/cm | ***** | | | | 6-24" 8.1 | | | | | | | | |

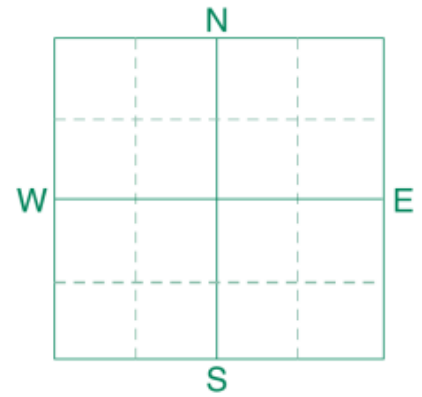
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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 **WONE29108**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **15-W**
 SECTION **29** QTR **NE** ACRES **108**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175475** BOX # **2126**
 LAB # **NW227930**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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" | 34 lb/acre 21 lb/acre | ***** | ***** | ***** | YIELD GOAL | | | YIELD GOAL | | | YIELD GOAL | | | | | | | |
| | 0-24" | | | | | 55 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 9 ppm | | | | | N 120 | | | N 107 | | | N 65 | | | | | | | |
| Potassium | 342 ppm | | | | | P ₂ O ₅ 40 | Band * | | P ₂ O ₅ 33 | Band * | | P ₂ O ₅ 26 | Band * | | | | | | |
| Chloride | | | | | | K ₂ O 0 | | | K ₂ O 10 | Band (Starter)* | | K ₂ 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 0 | | | Lime 0 | | | Lime 0 | | | | | | | |
| 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" | 0.52 mmho/cm 1.44 mmho/cm | ***** | ***** | ***** | 0-6" 6.9 | | | | | | | | | | | | | |
| | | | | | | 6-24" 7.9 | | | | | | | | | | | | | |

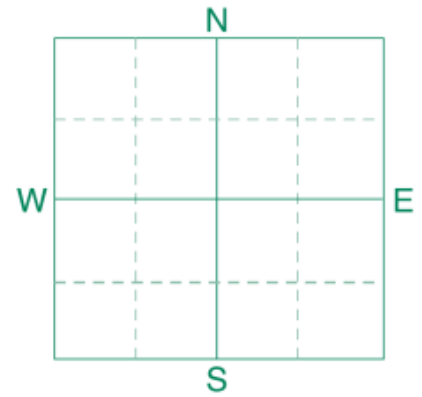
Crop 1: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 45 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.
Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* 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 **WONW29119**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **2** RANGE **15-W**
 SECTION **29** QTR **NW** ACRES **119**
 PREV. CROP



SUBMITTED FOR:
Wolf

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

REF # **3175476** BOX # **2126**
 LAB # **NW227931**

Date Sampled

Date Received **12/03/2020**

Date Reported **12/7/2020**

| 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 | | |
| | 32 lb/acre 27 lb/acre | ***** | | | | Band | | | Band | | | Band | | |
| | 59 lb/acre | ***** | | | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | | LB/ACRE | APPLICATION | |
| Phosphorus | Olsen 13 ppm | ***** | | | | N | 116 | | N | 103 | | N | 61 | |
| Potassium | 323 ppm | ***** | | | | P ₂ O ₅ | 30 | Band * | P ₂ O ₅ | 25 | Band * | P ₂ O ₅ | 16 | Band * |
| Chloride | | | | | | K ₂ O | 0 | | K ₂ O | 10 | Band (Starter)* | K ₂ 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 | |
| | 0-6" 6-24" | ***** | | | | 0-6" | 7.3 | | | | | | | |
| Sol. Salts | 0.62 mmho/cm 1.69 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: 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.