CHS

CHS Ag Services

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

SOIL TEST REPORT

FIELD ID **Hubbard 7 SW**
SAMPLE ID
FIELD NAME
COUNTY **Polk**
TWP **Hubbard** RANGE
SECTION **7** QTR **SW** ACRES **140.1**
PREV. CROP **Soybeans**

SUBMITTED FOR:

SUBMITTED BY: **TE2437**
CHS-CROOKSTON
AG SERVICES
3035 HWY 75 SOUTH
CROOKSTON, MN 56716

REF #
LAB #
BOX # **0**

Date Sampled
Date Received **11/04/2015**
Date Reported **11/5/2015**

Nutrient In The Soil		Interpretation (VLow Low Med High)
Nitrate	0-6" 17 lb/ac 6-24" 9 lb/ac 0-24" 26 lb/ac	*****
Phosphorus	Olsen 7 ppm	**********
Potassium	303 ppm	**********
Chloride		
Sulfur	0-6" 120 +lb/ac 6-24" 360 +lb/ac	**********
Boron		
Zinc	0.97 ppm	**********
Iron		
Manganese		
Copper		
Magnesium		
Calcium		
Sodium		
Org.Matter	5.3 %	**********
Carbonate(CCE)	2.5 %	**********
Sol. Salts	0-6" 0.66 mmho/cm 6-24" 1.37 mmho/cm	**********

1st Crop Choice		
Soybeans		
YIELD GOAL		
40 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	58	Broadcast
K_2O	0	
Cl		
S	0	
B		
Zn	4	Broadcast
Fe		
Mn		
Cu		
Mg		
Lime		

2nd Crop Choice		
Corn-Grain		
YIELD GOAL		
160 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	136	
P_2O_5	112	Broadcast
K_2O	10	Band (2x2) *
Cl		
S	0	
B		
Zn	7	Broadcast
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
Wheat-Spring		
YIELD GOAL		
80 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	175	
P_2O_5	97	Broadcast
K_2O	10	Band (Starter)*
Cl		
S	0	
B		
Zn	4	Broadcast (Trial)
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH		Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
				% Ca	% Mg	% K	% Na	% H
0-6	8.1							
6-24	8.3							

Crop 1: Nitrogen is credited 15 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 35 K2O = 60 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 64 K2O = 43 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them.

Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 15 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 50 K2O = 30 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them.

CHS

CHS Ag Services

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

SOIL TEST REPORT

FIELD ID **AN0802**
SAMPLE ID
FIELD NAME
COUNTY **POLK**
TWP **ANDOVER** RANGE
SECTION **8** QTR **NW-SW** ACRES **186**
PREV. CROP **Potatoes**

SUBMITTED FOR:

56716

SUBMITTED BY: **TE2437**
CHS-CROOKSTON
AG SERVICES
3035 HWY 75 SOUTH
CROOKSTON, MN **56716**

REF #
LAB # BOX # **0**

Date Sampled | Date Received **10/21/2015** | Date Reported **10/22/2015**

Nutrient In The Soil		Interpretation (VLow Low Med High)
0-6"	29 lb/ac	
6-24"	45 lb/ac	**********
0-24" Nitrate	74 lb/ac	
Olsen Phosphorus	8 ppm	**********
Potassium	264 ppm	**********
Chloride		
0-6"	76 lb/ac	**********
6-24" Sulfur	42 lb/ac	**********
Boron		
Zinc	1.22 ppm	**********
Iron		
Manganese		
Copper		
Magnesium		
Calcium		
Sodium		
Org.Matter	1.9 %	*******
Carbonate(CCE)	9.8 %	**********
0-6"	0.67 mmho/cm	**********
6-24" Sol. Salts	0.41 mmho/cm	**********

1st Crop Choice		
Wheat-Spring		
YIELD GOAL		
85 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	156	
P_2O_5	97	Broadcast
K_2O	10	Band (Starter)*
Cl		
S	0	
B		
Zn	0	
Fe		
Mn		
Cu		
Mg		
Lime		

2nd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	***	
P_2O_5	68	Broadcast
K_2O	0	
Cl		
S	0	
B		
Zn	0	
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
Corn-Grain		
YIELD GOAL		
180 BU		
SUGGESTED GUIDELINES		
Broadcast/Maint.		
LB/ACRE		APPLICATION
N	142	
P_2O_5	119	Broadcast
K_2O	10	Band (2x2) *
Cl		
S	0	
B		
Zn	4	Broadcast
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6 8.2 6-24 8.7							

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 = 53 K2O = 32 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them.

Crop 2: Many crops may respond to a starter application of P & K even on high soil tests. the risk of the development of iron chlorosis on soybeans on this field is very high based on the soil and carbonate levels. Crop Removal: P2O5 = 44 K2O = 75 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them.

Crop 3: * 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 = 72 K2O = 49 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them.