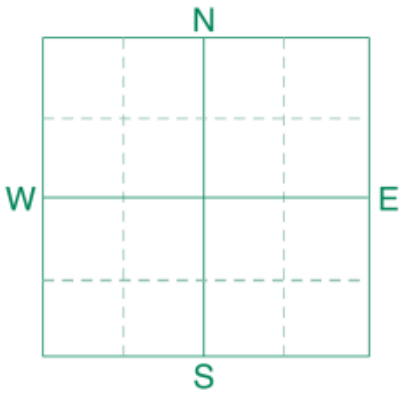
SOIL TEST REPORT

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

FIELD ID
SAMPLE ID **drew**
FIELD NAME
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP **Grass/Alfalfa**



SUBMITTED FOR:
Drew Gaugler

SUBMITTED BY: **SO0758**
SOUTHWEST GRAIN
201 2ND ST EAST
PO BOX 239
LEMMON, SD 57638

REF # **1461834** BOX # **0**
LAB # **NW208820**

Date Sampled | Date Received **12/15/2015** | Date Reported **12/16/2015**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 12 lb/ac 6-24" 9 lb/ac 0-24'' 21 lb/ac Nitrate		****			
Olsen Phosphorus	3 ppm	******			
Potassium	216 ppm	******	******	******	******
0-24'' Chloride	16 lb/ac	******			
0-6" 10 lb/ac 6-24" 18 lb/ac Sulfur		******** ********	*** *******		
Boron	0.4 ppm	*****			
Zinc	0.27 ppm	*****			
Iron					
Manganese					
Copper	0.42 ppm	********	***		
Magnesium					
Calcium					
Sodium					
Org.Matter	2.1 %	********	**		
Carbonate(CCE)					
0-6" 0.3 mmho/cm 6-24" 0.3 mmho/cm Sol. Salts		******* *******	*		

1st Crop Choice		
Oats		
YIELD GOAL		
80 BU		
SUGGESTED GUIDELINES		
Band		
LB/ACRE		APPLICATION
N	59	
P_2O_5	27	Band *
K_2O	10	Band (Starter)*
Cl	24	Broadcast
S	9	Band (Trial)
B	1	Broadcast
Zn	2	Band
Fe		
Mn		
Cu	1	Band (Trial)
Mg		
Lime		

2nd Crop Choice		
Grass/Alfalfa		
YIELD GOAL		
3 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	24	
P_2O_5	52	Broadcast
K_2O	0	
Cl		Not Available
S	20	Broadcast
B	2	Broadcast
Zn	4	Broadcast
Fe		
Mn		
Cu	2	Broadcast (Trial)
Mg		
Lime		

3rd Crop Choice		
Grass/Alfalfa		
YIELD GOAL		
4 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	39	
P_2O_5	69	Broadcast
K_2O	0	
Cl		Not Available
S	20	Broadcast
B	2	Broadcast
Zn	6	Broadcast
Fe		
Mn		
Cu	2	Broadcast (Trial)
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.5** 6-24" **7.7**							

Crop 1: 52 lbs of 0-0-60 = 24 lbs of Chloride" * 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 = 20 K2O = 15 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

Crop 2: ** Chloride yield data is limited for this crop. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 30 K2O = 144 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 3: ** Chloride yield data is limited for this crop. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 40 K2O = 192 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.