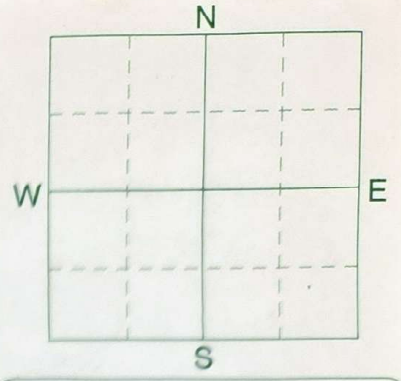




P.O. BOX 510, NORTHWOOD, ND 58267
(701) 587-6010

SOIL TEST REPORT

FIELD COUNTY TWP QTR PREV CROP
 NORMAN SHELLY SE WHEAT
 SAMPLE SECTION 11 ACRES



SUBMITTED FOR:

JIMMY DALE

SUBMITTED BY:

CR3056

CROOKSTON VALLEY/CROPTEC
PO BOX 483

CROOKSTON, MN

56716

REF # 22475105

LAB # 245228

BOX # 3599

DATE SAMPLED 11/11/25 DATE RECEIVED 11/12/25 DATE REPORTED 11/13/25

NUTRIENT IN THE SOIL		INTERPRETATION			
		V LOW	LOW	MED	HIGH
0-6"	15 lb/acre				
6-24"	60 lb/acre				
0-24"	75 lb/acre				
Nitrate N					
Phosphorus	6 ppm	*****			
Potassium	180 ppm	*****			
Chloride 0-24"	24 lb/acre	*****			
Sulfur 0-6"	14 lb/acre	*****			
6-24"	72 lb/acre	*****			
Boron	2.3 ppm	*****			
Zinc	0.44 ppm	*****			
Iron	12.4 ppm	*****			
Manganese	2.5 ppm	*****			
Copper	1.40 ppm	*****			
Magnesium	1247 ppm	*****			
Calcium	5053 ppm	*****			
Sodium	35 ppm	****			
Organic Matter	4.2 %	*****			
Carbonate (CCE)	11.8 % CCE	*****			
Soluble Salts 0-6"	0.49 dS/m	*****			
6-24"	0.50 dS/m	*****			

1ST CROP CHOICE	
WHEAT	
YIELD GOAL	80 BU
SUGGESTED GUIDELINES	
BROADCAST/BUILD	
LB / ACRE	APPLICATION
N	141
P ₂ O ₅	102 Broadcast
K ₂ O	14 Broadcast
Cl	16 Broadcast
S	0
B	0
Zn	1 Broadcast
Fe	0
Mn	0
Cu	0
Mg	0
Lime	0.0

2ND CROP CHOICE	
SOYBEANS	
YIELD GOAL	50 BU
SUGGESTED GUIDELINES	
BROADCAST/BUILD	
LB / ACRE	APPLICATION
N	0
P ₂ O ₅	76 Broadcast
K ₂ O	30 Broadcast
Cl	0
S	15 Broadcast(Trial)
B	0
Zn	3 Broadcast
Fe	0
Mn	0
Cu	0
Mg	0
Lime	0.0

3RD CROP CHOICE	
GRAIN CORN	
YIELD GOAL	200 BU
SUGGESTED GUIDELINES	
BROADCAST/BUILD	
LB / ACRE	APPLICATION
N	165
P ₂ O ₅	146 Broadcast
K ₂ O	57 Broadcast
Cl	##
S	0
B	0
Zn	6 Broadcast
Fe	0
Mn	0
Cu	0
Mg	0
Lime	0.0

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.4		36.3 cmol/kg	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
6-24" 8.6			69.7	28.7	1.3	0.4	

Estimated Soil Texture: Soil Texture is not estimated on high pH soils; Chloride is low, yield data limited for this crop;
 35 lb 0-0-60 = 16 lb Chloride; Soybean may respond to nitrogen if NO₃-N is less than 60 lb/acre and soybean history is limited;
 In no-till or reduced tillage systems, an additional 30 lb/acre nitrogen may increase corn yield;
 Soybean iron deficiency chlorosis (IDC) risk is high based on soil carbonate and salinity;
 Univ. Guidelines 1st Crop (Broadcast): N: 125 P2O5: 55 K2O: 10 Cu: 0 S: 0 Cl: 15;
 Univ. Guidelines 2nd Crop (Broadcast): N: 0 P2O5: 35 K2O: 20 S: 0;
 Univ. Guidelines 3rd Crop (Broadcast): N: 165 P2O5: 85 K2O: 20 Zn: 10 S: 0 Mg: 0.