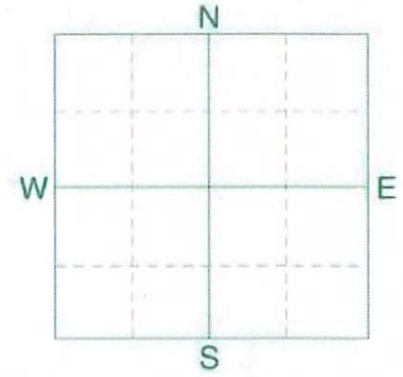




Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **Stokes 10**
 SAMPLE ID **Org/Red**
 FIELD NAME **Stokes 10 NW**
 COUNTY **Roseau**
 TWP **Stokes** RANGE
 SECTION **10** QTR **NW** ACRES **96**
 PREV. CROP



SUBMITTED FOR:
Krs Farms

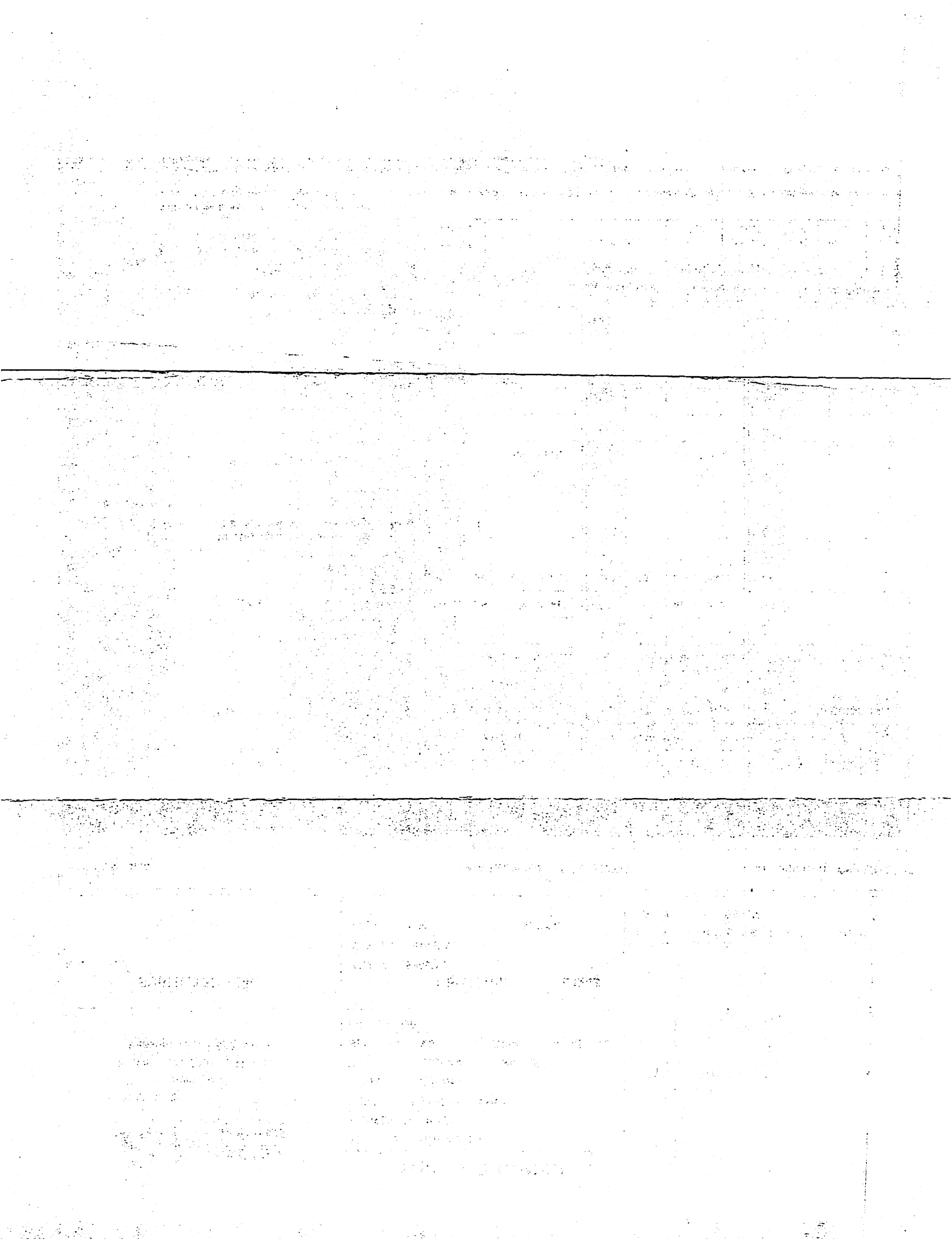
SUBMITTED BY: **CE4205**
CHS-GREENBUSH
25517 ST HWY 11
BADGER, MN 56714

REF # **4130419** BOX # **2079**
 LAB # **NW80478**

Date Sampled _____ Date Received **09/11/2023** Date Reported **09/12/2023**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow Low Med High	Wheat-Spring		Soybeans					
			YIELD GOAL		YIELD GOAL		YIELD GOAL			
			70 BU		40 BU					
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
			University		University					
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Nitrate	0-6" 77 lb/acre 6-24" 45 lb/acre	*****	N	55	N	***	N			
Olsen Phosphorus	8 ppm	*****	P ₂ O ₅	35 Broadcast	P ₂ O ₅	15 Broadcast	P ₂ O ₅			
Potassium	110 ppm	*****	K ₂ O	60 Broadcast	K ₂ O	40 Broadcast	K ₂ O			
Chloride			Cl		Cl		Cl			
Sulfur	0-6" 120 +lb/acre 6-24" 252 lb/acre	*****	S	0	S	0	S			
Boron			B		B		B			
Zinc	0.35 ppm	*****	Zn	Not Available	Zn	Not Available	Zn			
Iron			Fe		Fe		Fe			
Manganese			Mn		Mn		Mn			
Copper			Cu		Cu		Cu			
Magnesium	966 ppm	*****	Mg	0	Mg	0	Mg			
Calcium	4796 ppm	*****	Lime		Lime		Lime			
Sodium	41 ppm	*****								
Org. Matter	4.2 %	*****								
Carbonate(CCE)	1.7 %	*****								
Sol. Salts	0-6" 0.66 mmho/cm 6-24" 0.36 mmho/cm	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
						% Ca	% Mg	% K	% Na	% H
			0-6" 8.0		32.5 meq	(65-75)	(15-20)	(1-7)	(0-5)	(0-5)
			6-24" 8.3			73.8	24.8	0.9	0.5	0.0

General Comments: Soil texture is not estimated on high pH soils.
Crop 1: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26 University guideline will build P & K soil test levels to the medium range over several years.
Crop 2: May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P2O5 = 30 K2O = 47 University guideline will build P & K soil test levels to the medium range over several years.

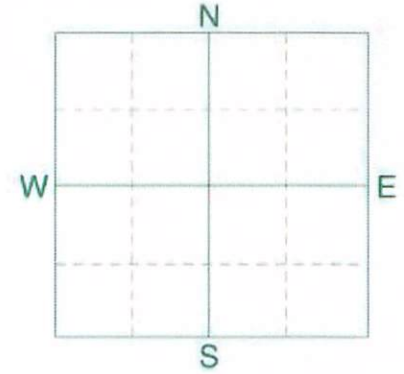




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SOIL TEST REPORT

FIELD ID **Stokes 10**
 SAMPLE ID **Yellow/Lime**
 FIELD NAME **Stokes 10 NW**
 COUNTY **Roseau**
 TWP **Stokes** RANGE
 SECTION **10** QTR **NW** ACRES **96**
 PREV. CROP



SUBMITTED FOR:
Krs Farms

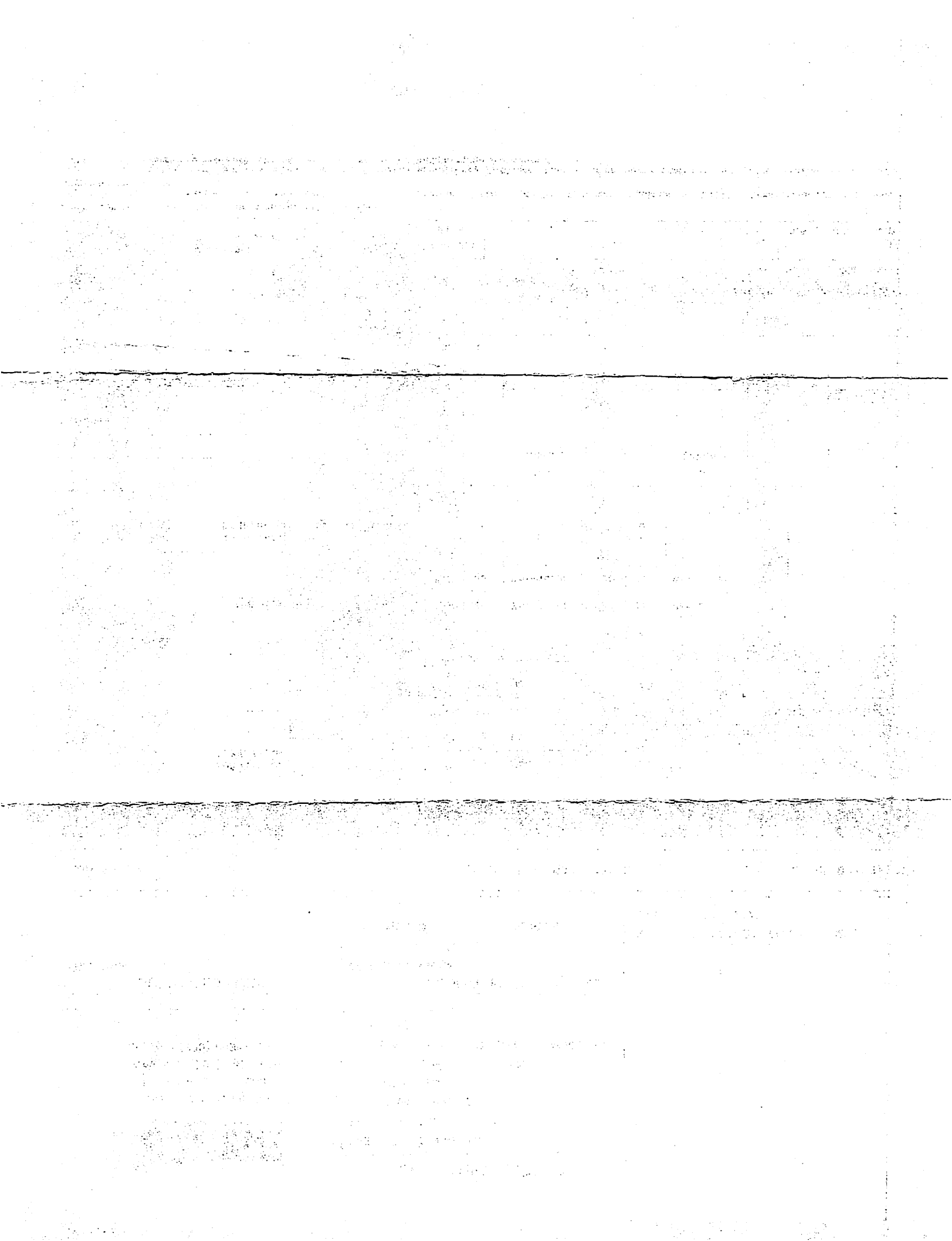
SUBMITTED BY: **CE4205**
CHS-GREENBUSH
25517 ST HWY 11
BADGER, MN **56714**

REF # **4130420** BOX # **2013**
 LAB # **NW80479**

Date Sampled _____ Date Received **09/11/2023** Date Reported **09/12/2023**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice						
		VLow	Low	Med	High	Wheat-Spring		Soybeans		YIELD GOAL						
Nitrate	0-6" 6-24"	108 lb/acre 117 lb/acre				70 BU	40 BU	YIELD GOAL		YIELD GOAL						
	0-24"	225 lb/acre				SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES						
						University	University	University		University						
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION					
Olsen Phosphorus	8 ppm	*****				N 10		N ***		N						
Potassium	106 ppm	*****				P ₂ O ₅ 35	Broadcast	P ₂ O ₅ 15	Broadcast	P ₂ O ₅						
Chloride						K ₂ O 65	Broadcast	K ₂ O 45	Broadcast	K ₂ O						
Sulfur	0-6" 6-24"	16 lb/acre 54 lb/acre	*****			Cl		Cl		Cl						
Boron						S 0		S 0		S						
Zinc	0.39 ppm	*****				B		B		B						
Iron						Zn	Not Available	Zn	Not Available	Zn						
Manganese						Fe		Fe		Fe						
Copper						Mn		Mn		Mn						
Magnesium	677 ppm	*****				Cu		Cu		Cu						
Calcium	4810 ppm	*****				Mg 0		Mg 0		Mg						
Sodium	18 ppm	***				Lime		Lime		Lime						
Org.Matter	3.7 %	*****				Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)	2.8 %	*****				0-6" 7.9		6-24" 8.3		30.0 meq		% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.57 mmho/cm 0.32 mmho/cm	*****			(65-75)	(15-20)	(1-7)	(0-5)	(0-5)		80.1	18.8	0.9	0.3	0.0

General Comments: Soil texture is not estimated on high pH soils.
 Crop 1: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26 University guideline will build P & K soil test levels to the medium range over several years.
 Crop 2: May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is high, based on soil carbonate and salinity. Crop nutrient removal: P2O5 = 30 K2O = 47 University guideline will build P & K soil test levels to the medium range over several years.

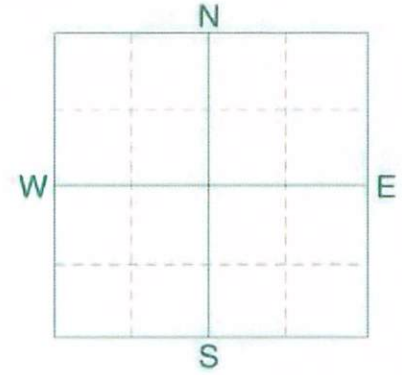




Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **Stokes 10**
 SAMPLE ID **Green**
 FIELD NAME **Stokes 10 NW**
 COUNTY **Roseau**
 TWP **Stokes** RANGE
 SECTION **10** QTR **NW** ACRES **96**
 PREV. CROP



SUBMITTED FOR:
Krs Farms

SUBMITTED BY: **CE4205**
CHS-GREENBUSH
25517 ST HWY 11
BADGER, MN **56714**

REF # **4130421** BOX # **2013**
 LAB # **NW80480**

Date Sampled _____ Date Received **09/11/2023** Date Reported **09/12/2023**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		V.Low Low Med High	Wheat-Spring		Soybeans						
			YIELD GOAL		YIELD GOAL		YIELD GOAL				
			70 BU		40 BU						
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
			University		University						
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Nitrate	0-6" 71 lb/acre 6-24" 90 lb/acre	*****	N	15	N	***	N				
Phosphorus	Olsen 6 ppm	*****	P ₂ O ₅	45 Broadcast	P ₂ O ₅	30 Broadcast	P ₂ O ₅				
Potassium	118 ppm	*****	K ₂ O	50 Broadcast	K ₂ O	40 Broadcast	K ₂ O				
Chloride			Cl		Cl		Cl				
Sulfur	0-6" 14 lb/acre 6-24" 48 lb/acre	*****	S	0	S	0	S				
Boron			B		B		B				
Zinc	0.28 ppm	*****	Zn	Not Available	Zn	Not Available	Zn				
Iron			Fe		Fe		Fe				
Manganese			Mn		Mn		Mn				
Copper			Cu		Cu		Cu				
Magnesium	726 ppm	*****	Mg	0	Mg	0	Mg				
Calcium	5275 ppm	*****	Lime		Lime		Lime				
Sodium	22 ppm	***	Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Org.Matter	3.6 %	*****	Buffer pH				% Ca	% Mg	% K	% Na	% H
Carbonate(CCE)	3.8 %	*****			32.8 meq		(65-75) 80.4	(15-20) 18.4	(1-7) 0.9	(0-5) 0.3	(0-5) 0.0
Sol. Salts	0-6" 0.5 mmho/cm 6-24" 0.34 mmho/cm	*****	0-6" 8.0								

General Comments: Soil texture is not estimated on high pH soils.
Crop 1: May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 44 K2O = 26 University guideline will build P & K soil test levels to the medium range over several years.
Crop 2: May respond to starter P & K, even on high soil tests. Soybean iron deficiency (IDC) risk is moderate, based on soil carbonate and salinity. Crop nutrient removal: P2O5 = 30 K2O = 47 University guideline will build P & K soil test levels to the medium range over several years.

