



Submitted by

Submitted for

Laboratory Sample #

# Soil Health-Complete Report

Date Received

Date Reported

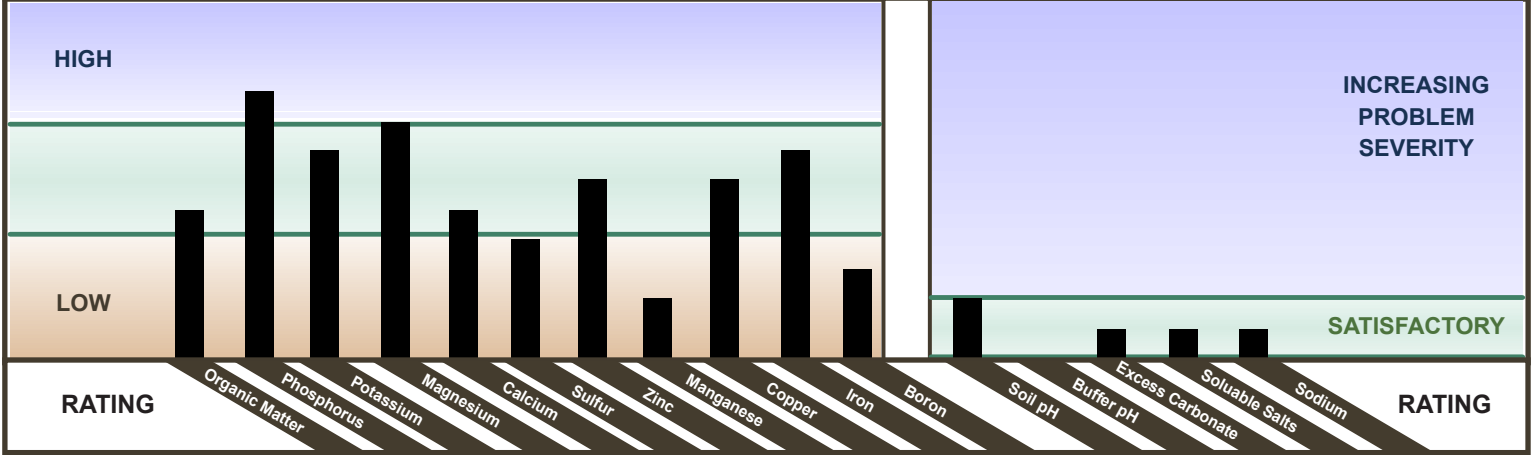
Information Sheet #

Laboratory Turnaround

Samples Will Be Stored Until

Field Identification

## GRAPHIC SUMMARY OF SOIL TEST RESULTS



REPORT OF SOIL ANALYSIS	
YOUR SAMPLE NUMBER	
BIG HILL	
Soil pH	6.9
Buffer Index	--
Excess Carbonate	VL
Soluble Salts mmhos/cm	0.3
Sodium ppm	8.0
% Organic Matter	2.4
ANALYSIS OF NUTRIENT ELEMENTS IS IN PARTS PER MILLION (ppm)	
Nitrate N	34.9
Phosphorus Bray 1 Olsen	59
Potassium	208
Magnesium	398
Calcium	1573
Sulfate Sulfur	6
Zinc	1.4
Manganese	1.7
Copper	0.8
Iron	36.1
Boron	0.4
Bulk Density	1.4

FERTILIZER GUIDELINES IN: Lbs/Acre			
BASED OFF SOIL ANALYSIS			
Corn			
Yield Goal			
200 BU			
Preceding Crop			
Winter_Wheat			
PLANT FOOD GUIDELINE RANGES		CROP REMOVAL RATES	
N	145.0		240
P <sub>2</sub> O <sub>5</sub>	0.0		80
K <sub>2</sub> O	35.0		60
MgO	0.0		
S	13.3		
Zn	1.8		
Mn	10.8		
Cu	0.0		
Fe	0.0		
B	1.5		
Lime Guidelines are for 100% Effective Calcium Carbonate (ECC) with a 6" Incorporation Depth.			

SOIL HEALTH ANALYSIS			
Soil Health Score	9.6	Low	Satisfactory
Solvita CO2 Respiration	8.9	Low	Satisfactory
C:N Ratio	6	Low	Satisfactory High
COVER CROP RECOMMENDATION			
60% Legume, 40% Grass mixture			
WATER SOLUBLE		H3A EXTRACTION	
Carbon	359.9 ppm	Orthophosphate-P	50 ppm
Total Nitrogen	57.1 ppm	Phosphorus	69 ppm
Nitrate-N	32.9 ppm	Potassium	161.8 ppm
Ammoniacal-N	2.6 ppm	Calcium	355.7 ppm
Orthophosphate-P	4.8 ppm	Iron	441.5 ppm
Saturation %	37.9 %	Aluminum	580.3 ppm
Mineralizable N	0.0 lbs/ac	P:(Al+Fe) Ratio	5 %
Mineralizable P	0.2 lbs/ac	P:Ca Ratio	14 %
		Ca:(Al+Fe) Ratio	35 %
FOR DETAILED SOIL HEALTH INTERPRETATIONS, SEE LAST PAGE			

ACTUAL AND SUGGESTED PERCENT OF TOTAL CEC (BASE SATURATION)								ESTIMATED		
Actual % Hydrogen	Suggested Hydrogen	Actual % Potassium	Suggested Potassium	Actual % Magnesium	Suggested Magnesium	Actual % Calcium	Suggested Calcium	Actual % Sodium	Suggested Sodium	CEC for Your Soil
0.0	0 - 5	4.5	4.1 - 7	28.2	15 - 20	66.9	65 - 75	0.3	0 - 5	11.7