

Work Order #: Example

Basic Soil Package - \$69.00

Soil Report

Your name and address here

Lab Number: XXXXXXXX
Project #/Name: XXXXX / XXXXX
Sample ID: Your soil sample ID

Your Values (lbs/acre 6" deep)			Suggested Values	RECOMMENDATIONS ALL VALUES lbs/acre 6" deep	
Ammonia (NH ₃ -N)	12		10-50 OK	125 Nitrogen (N)	
Nitrate (NO ₃ -N)	4.9		20-100 Low	50 Phosphorous (P ₂ O ₅)	
Total Available N	17		75-150 Low	400 Potassium (K ₂ O)	
Phosphorous(P ₂ O ₅)	250		100-300 OK	0 Gypsum (CaSO ₄)	
Potassium (K ₂ O)	670		802-1336 Low	0 Lime (CaCO ₃)	
Calcium (Ca)	8600		6832-8541 High	0 Dolomite (CaCO ₃ & MgCO ₃)	
Magnesium (Mg)	1200		683-1366 OK	500 Sulfur	
Sulfate (SO ₄ -S)	590		100-200 High	*Gypsum adds Ca and doesn't affect pH; Lime adds Ca and raises pH; Dolomite adds Ca & Mg & raises pH.	
Sodium (Na)	440		< 250 High	Lime Requirement:	
Chloride (Cl)	180		1-100 High	Tons of 100% CaCO ₃ Lime per Acre 6" deep	
ECe (dS/m)	1.7		0.2-4 OK	needed to raise pH of soil to:	
Copper (Cu)	NA		1 +	pH 6.0 needs NA	
Zinc (Zn)	NA		3 +	pH 6.5 needs NA	
Iron (Fe)	NA		8 +	pH 7.0 needs NA	
Manganese (Mn)	NA		4 +	Gypsum Requirement (needed for clay treatment)	
Boron (B)	NA		1-4	NA tons per acre 6" deep	
SAR	NA		0-6	Gypsum helps the soil structure by "loosening" the soil	
CEC (meq/100gms)	28		10-20 OK		
ESP (%)	3.3		0-10 OK		
pHs Value	7.9		6.5-7.5 High		
Organic Matter (%)	NA				
Data:			Method	Data:	Method
NO ₃ -N	2.4 mg/Kg		KCl	OrgMat	NA %
NH ₃ -N	6.0 mg/Kg		KCl	Org-C	NA %
P	56 mg/Kg		Olsen	SMP Buffer pH	7.48 unit
SP	72 %		Sat	GypReq	NA meq/100g
pHs	7.9 unit		Sat	Ca	4300 mg/Kg
ECe	1.7 dS/m		Sat	Mg	620 mg/Kg
Ca	NA meq/L		Sat	Na	220 mg/Kg
Mg	NA meq/L		Sat	K	280 mg/Kg
Na	NA meq/L		Sat	Cation Exchange Capacity (CEC) and Base Saturation Percentages	
K	NA meq/L		Sat	CEC	28 meq/100gm
Cl	3.5 meq/L		Sat	NH ₃ -N	0.2 % of CEC
SO ₄ -S	13 meq/L		Sat	Ca	75.8 % of CEC
SAR	NA ratio		Calc	Mg	18.2 % of CEC
B	NA mg/Kg		CaCl2	Na	3.3 % of CEC
Cu	NA mg/Kg		DTPA	K	2.5 % of CEC
Zn	NA mg/Kg		DTPA	H	0.0 % of CEC
Fe	NA mg/Kg		DTPA		
Mn	NA mg/Kg		DTPA		

Lab Analyst:

Mike Galloway