ANALYTICAL CHEMISTS and BACTERIOLOGISTS Approved by State of California
SOIL CONTROL LAB
42 HANGAR WAY WATSONVILLE CALIFORNIA 95076 USA

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Work Order #: Example

Complete Soil Package - $99.00

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	
Ammonia (NH_3-N)	12	10-50	OK
Nitrate (NO_3-N)	18	20-100	Low
Total Available N	29	75-150	Low
Phosphorous(P_2O_5)	480	100-300	High
Potassium (K_2O)	710	595-991	OK
Calcium (Ca)	6500	5070-6337	High
Magnesium (Mg)	930	507-1014	OK
Sulfate (SO_4-S)	71	100-200	Low
Sodium (Na)	110	< 250	See SAR
Chloride (Cl)	15	1-100	OK
ECe (dS/m)	0.72	0.2-4	OK
Copper (Cu)	6.4	1 +	OK
Zinc (Zn)	8.9	3 +	OK
Iron (Fe)	130	8 +	OK
Manganese (Mn)	19	4 +	OK
Boron (B)	3.0	1-4	OK
SAR	0.70	0-6	OK
CEC (meq/100gms)	21	10-20	OK
ESP (%)	1.2	0-10	OK
pHs Value	7.1	6.5-7.5	OK
Organic Matter (%)	6.6		

RECOMMENDATIONS
ALL VALUES lbs/acre 6" deep

100	Nitrogen (N)
0	Phosphorous (P_2O_5)
200	Potassium (K_2O)
0	Gypsum ($CaSO_4$)
0	Lime ($CaCO_3$)
0	Dolomite ($CaCO_3$ & $MgCO_3$)
0	Sulfur

*Gypsum adds Ca and doesn't affect pH; Lime adds Ca and raises pH; Dolomite adds Ca & Mg & raises pH.

Lime Requirement:
Tons of 100% $CaCO_3$ Lime per Acre 6" deep needed to raise pH of soil to:

pH 6.0 needs	0.0
pH 6.5 needs	0.0
pH 7.0 needs	0.0

Gypsum Requirement (needed for clay treatment)
1.7 tons per acre 6" deep
Gypsum helps the soil structure by "loosening" the soil

Data:			Method
NO_3-N	8.8	mg/Kg	KCl
NH_3-N	5.9	mg/Kg	KCl
P	110	mg/Kg	Olsen
SP	66	%	Sat
pHs	7.1	unit	Sat
ECe	0.72	dS/m	Sat
Ca	5.0	meq/L	Sat
Mg	2.1	meq/L	Sat
Na	1.3	meq/L	Sat
K	0.53	meq/L	Sat
Cl	0.33	meq/L	Sat
SO_4-S	1.7	meq/L	Sat
SAR	0.70	ratio	Calc
B	1.5	mg/Kg	CaCl2
Cu	3.2	mg/Kg	DTPA
Zn	4.5	mg/Kg	DTPA
Fe	66	mg/Kg	DTPA
Mn	9.3	mg/Kg	DTPA

Data:			Method
OrgMat	6.6	%	LOI
Org-C	3.9	%	LOI
SMP Bufffer pH	7.21	unit	SMP
GypReq	2.0	meq/100g	GypSol
Ca	3200	mg/Kg	NH_4OAc
Mg	470	mg/Kg	NH_4OAc
Na	57	mg/Kg	NH_4OAc
K	300	mg/Kg	NH_4OAc

Cation Exchange Capacity (CEC) and Base Saturation Percentages

CEC	21	meq/100gm	Calc.
NH_3-N	0.2	% of CEC	Calc.
Ca	76.6	% of CEC	Calc.
Mg	18.4	% of CEC	Calc.
Na	1.2	% of CEC	Calc.
K	3.6	% of CEC	Calc.
H	0.0	% of CEC	Calc.

Lab Analyst: