SOIL FERTILITY DIAGNOSIS GENERAL

Customer/Producer	HORACIO PEREZ		
Registration Number	SU-92170	Previous Crop	None
Date Received	11/16/2018	Established	Tomato
Date Delivered	11/20/2018	Type of Organic Fertilizer	Compost
Ranch or Company	VALERIO TRUJANO	Type of Agriculture	Irrigation
Municipality	Tepecoacuilco	Waste Management	NA
State	Guerrero	Yield Target	50 Ton/Ha
Identification/Lot	PLOT 1	Sample Depth	0-30 cm

Physical Properties of Soil

Textural Class	Sandy Clay Loam		
Sand: 51.48%	Clay: 28.52 %	Loam: 20 %	
Saturation Point	45.0	%	High Mod.
Field Capacity	24.0	%	High Mod.
Permanent Marching Point	14.3	%	High Mod.
Hydraulic Conditioning	4.00	cm/hr	Medium
Apparent Density	1.30	g/cm3	

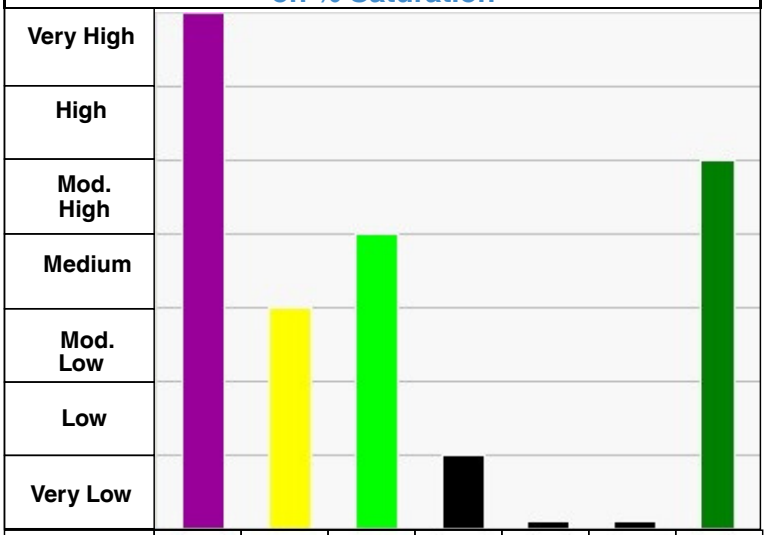
Soil pH and Gypsum, Lime and Leaching Needs

pH (1.2 water)	8.04		Alkali
pH Buffer T	NA		
Total Carbonates (%)	24.6	%	Mod.High
Salinity (EC Extract)	0.51	ds/m	Low
Gypsum Requirements	It does not require.		
Calcium Requirements	It does not require.		

Soil Fertility

The	Result	Items	Very Low	Low	Low Mod.	With.	Mod. Alto	High	Very High
MO	1.54	%							
P-Olsen	10.9	ppm							
K	412	ppm							
Ca	4886	ppm							
Mg	257	ppm							
Na *	33.5	ppm							
Fe	5.61	ppm							
Zn Mn	0.33	ppm							
Cu	2.54	ppm							
B	0.54	ppm							
S	0.25	ppm							
N-NO3	5.82	ppm							
	10.4	ppm							

Exchangeable Cations Chart Based on % Saturation



%Sat	88.1	7.62	3.79	0.54	NA	NA	—
meq/100g	24.4	2.11	1.05	0.15	NA	NA	27.7
Cation	Ca	Mg	K	Na*	Al*	H*	CIC

Cation Ratio (Based on me/100g)

Relationship	Ca/K	Mg/K	Ca+Mg/K	Ca/Mg
Results	23.2	2.01	25.2	11.6
Interpretation	Very High	Medium	Medium	VeryHigh

***It is desirable that these elements have a low content**

PND = PENDING VERIFICATION NA = NOT ANALYZED

Summary Interpretation of Soil Fertility Diagnosis

Soil with alkaline pH. Medium texture soil. Moderately high in carbonates. Salt-free. Moderately low content of organic matter. Moderately low in phosphorus. Low in sulfur. Regarding micronutrient availability: Moderately low in iron. Low in zinc. Low in manganese. Moderately low in copper. Very low in boron.

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