October 26, 2020

ABC Farms
1234 Dry Creek Road
Rio Linda, CA 95673

Lab ID : SP 123456-001
Customer ID : 2-0

Sampled On : February 21, 2020
Sampled By : FGL
Received On : February 24, 2020
Depth : N/A

Description : SA-1
Project : Demo Report

GARDEN VEGETABLES SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation
				Very Low / Moderately Low / Optimum / Moderately High / Very High
Primary Nutrients				
Nitrate-Nitrogen	1.18	Lbs/1000ft	1.5 - 3.5	
Phosphorus-P_2O_5	4.22	Lbs/1000ft	5.9 - 8.0	
Potassium-K_2O (Exch)	24.8	Lbs/1000ft	7.8 - 47	
Potassium-K_2O (Sol)	1.70	Lbs/1000ft	4.4 - 13	4%
Secondary Nutrients				
Calcium (Exch)	230	Lbs/1000ft	200 - 270	
Calcium (Sol)	7.36	Lbs/1000ft	5.8 - 17	36%
Magnesium (Exch)	50.4	Lbs/1000ft	20 - 40	
Magnesium (Sol)	2.15	Lbs/1000ft	1.2 - 4.6	17%
Sodium (Exch)	11.6	Lbs/1000ft	0.0 - 19	
Sodium (Sol)	10.1	Lbs/1000ft	< 22	43%
Sulfate	18.2	Lbs/1000ft	6.8 - 95	
Micro Nutrients				
Zinc	0.275	Lbs/1000ft	0.14 - 3.7	
Manganese	0.744	Lbs/1000ft	0.28 - 5.6	
Iron	3.38	Lbs/1000ft	1.2 - 6.7	
Copper	0.275	Lbs/1000ft	0.033 - 3.7	
Boron	0.0441	Lbs/1000ft	0.035 - 0.13	
Chloride	6.28	Lbs/1000ft	0.58 - 20	
CEC	18.1	meq/100g	14 - 35	
% Base Saturation				
CEC - Calcium	69.1	%	60 - 80	
CEC - Magnesium	25.0	%	10 - 20	
CEC - Potassium	3.17	%	1.0 - 6.0	
CEC - Sodium	3.03	%	0.0 - 5.0	
CEC - Hydrogen	< 1.00	%	0.0 - 3.0	
				Strongly Acidic / Moderately Acidic / Near Neutral / Moderately Alkaline / Strongly Alkaline
pH	6.85	---	6.5 - 7.5	

Good — Problem — Indicates physical conditions and/or phenological and amendment requirements.

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GARDEN VEGETABLES SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation
Others				Satisfactory / Possible Problem / Moderate Problem / Increasing Problem
Soil Salinity	1.14	dS/m	0.0 - 2.0	
SAR	2.8		0.0 - 6.0	
Limestone	< 0.10	%	0.0 - 0.50	
				0 / 1 / 2 / 3 / 4 / 5 / 6
Lime Requirement	0	Tons/AF	---	
Gypsum Requirement	< 0.50	Tons/AF	---	
				Very Low / Moderately Low / Optimum / Moderately High / Very High
Moisture	4.2	%	4.6 - 32	
				Loamy Sand / Sandy Loam / Loam / Silt Loam / Clay Loam / Clay / Organic
Saturation	45.9	%	40 - 50	

Good Problem Indicates physical conditions and/or phenological and amendment requirements.

Note: Soils with gypsum requirements over 10 tons should be applied incrementally at a maximum of 10 tons per acre per year and reanalyzed yearly after each application.

Fertilization Recommendations

Nutrients	Lbs/1000 SqFt	via	Nutrients	Lbs/1000 SqFt	via
Nitrogen	0.8	Soil	Zinc	None	Soil
Phosphorus (P2O5)	3.1	Soil	Manganese	None	Soil
Potassium (K2O)	3.7	Soil	Iron	None	Soil
Calcium	None	Soil	Copper	None	Soil
Magnesium	None	Soil	Boron	None	Soil
Sulfur	None	Soil	Lime	None	Soil

FRUIT GROWERS LABORATORY, INC.

B. Waddell

Ben Waddell, Director of Ag. Services

BRW1:EHB