


















July 5, 2017
ABC Farms
 1234 Dry Creek Road
 Rio Linda, CA 95673

Lab ID : SP 123456-001
 Customer ID : 2-0
 Sampled On : June 27, 2017
 Sampled By : FGL
 Received On : June 28, 2017
 Matrix : Ag Water

Description : SA-1
 Project : Demo Report

Strawberry Irrigation Suitability Analysis

Test Description	Result				Graphical Results Presentation				
	mg/L	Meq/L	% Meq	Lbs/AF	Good	Possible Problem	Moderate Problem	Increasing Problem	Severe Problem
Cations									
Calcium	162	8.1	46	440	**				
Magnesium	65	5.3	30	180	**				
Potassium	4	0.1	1	11	**				
Sodium	92	4	23	250					
Anions									
Carbonate	< 10	0	0	0					
Bicarbonate	230	3.8	26	630	**				
Sulfate	367	7.6	53	1000	**				
Chloride	109	3.1	21	300					
Nitrate	64.0	1	7	170					
Nitrate Nitrogen	14.5			39					
Fluoride	< 0.2	0	0	0					
Minor Elements									
Boron	0.20			0.54					
Copper	< 0.01			0.00					
Iron	1.5			4.1					
Manganese	0.040			0.11					
Zinc	< 0.02			0.00					
TDS by Summation	1090			3000					
Other									
pH	7.5			units					
E. C.	1.46			dS/m					
SAR	1.5								
Crop Suitability									
No Amendments	Fairly		Good						
With Amendments	Fairly		Good						
Amendments									
Gypsum Requirement	0.0			Tons/AF					
Sulfuric Acid (98%)	13			oz/1000Gal					Or 32 oz/1000Gal of urea Sulfuric Acid (15/49).
Leaching Requirement	22			%					

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

** Used in various calculations; mg/L = Milligrams Per Liter (ppm) meq/L = Milliequivalents Per Liter



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Description : SA-1

Micro Irrigation System Plugging Hazard

Test Description	Result	Graphical Results Presentation		
		Slight	Moderate	Severe
Chemical				
Manganese	0.04 mg/L			
Iron	1.5 mg/L			
TDS by Summation	1090 mg/L			
No Amendments				
pH	7.5 units			
Alkalinity (As CaCO3)	190 mg/L			
Total Hardness	672 mg/L			
With Amendments				
Alkalinity (As CaCO3)	38 mg/L			
Total Hardness	38 mg/L			
pH	5.4 - 6.7 units			

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

Water Amendments Application Notes:

The Amendments recommended on the previous pages include:

Sulfuric Acid:

These products should be applied as needed to prevent emitter plugging in micro irrigation systems and/or as a soil amendment to adjust soil pH to improve nutrient availability and to facilitate leaching of salts. Please exercise caution when using this material as excesses may be harmful to the system and/or the plants being irrigated. The reported Acid requirement is intended to remove approximately 80 % of the alkalinity. The final pH should range from 5.4 to 6.7. We recommend a field pH determination to confirm that the pH you designate is being achieved. This application is based upon the use of a 98% Sulfuric Acid product. The application of Urea Sulfuric Acid is based upon the use of a product that contains 15% Urea (1.89 lbs Nitrogen), 49% Sulfuric Acid and has a specific gravity of 1.52 at 68 °F. Guidelines for the above interpretations are sourced from USDA & U.C. Cooperative Extension Service publications. Please contact us if you have any questions.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:EHB