

January 13, 2016
ABC Farms
 1234 Dry Creek Road
 Rio Linda, CA 95673

Lab ID : SP 123456-001
 Customer ID : 2-0
 Sampled On : January 4, 2016
 Sampled By : FGL
 Received On : January 6, 2016
 Depth : 0-18"

Description : SA-1
 Project : Demo Report

ALMOND SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation				
				Very Low	Moderately Low	Optimum	Moderately High	Very High
Primary Nutrients								
Nitrate-Nitrogen	5.6	Lbs/AF	See Note 1					
Phosphorus-P ₂ O ₅	82	Lbs/AF	110 - 550					
Potassium-K ₂ O (Exch)	324	Lbs/AF	84 - 520					
Potassium-K ₂ O (Sol)	9.9	Lbs/AF	62 - 200					
Secondary Nutrients								
Calcium (Exch)	4810	Lbs/AF	3300 - 4400					
Calcium (Sol)	76	Lbs/AF	190 - 4000					
Magnesium (Exch)	131	Lbs/AF	330 - 670					
Magnesium (Sol)	< 7.8	Lbs/AF	86 - 2900					
Sodium (Exch)	370	Lbs/AF	0.0 - 320					
Sodium (Sol)	281	Lbs/AF	0.0 - 380					
Sulfate	184	Lbs/AF	150 - 3900					
Micro Nutrients								
Zinc	9.20	Lbs/AF	3.5 - 200					
Manganese	27.2	Lbs/AF	7.1 - 200					
Iron	65.6	Lbs/AF	40 - 410					
Copper	2.40	Lbs/AF	1.0 - 160					
Boron	0.840	Lbs/AF	1.3 - 3.3					
Chloride	121	Lbs/AF	18 - 570					
CEC	6.85	meq/100g	Variable					
% Base Saturation								
CEC - Calcium	87.6	%	60 - 80					
CEC - Magnesium	3.94	%	10 - 20					
CEC - Potassium	2.51	%	2.0 - 5.0					
CEC - Sodium	5.90	%	0.0 - 5.0					
CEC - Hydrogen	< 1.00	%	0.0 - 3.0					
				Strongly Acidic	Moderately Acidic	Near Neutral	Moderately Alkaline	Strongly Alkaline
pH	7.00	---	6.5 - 7.2					

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



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				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem					
Others												
Soil Salinity	0.39	dS/m	0.0 - 2.0									
SAR	4.4		0.0 - 6.0									
Limestone	< 0.10	%	See Note 2									
				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	12.9	%	½ Satn. %									
				Loamy Sand	Sandy Loam	Loam	Silt Loam	Clay Loam	Clay	Clay	Organic	
Saturation	35.6	%	20 - 60									

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.

- 1) The need for soil Nitrate is dependent upon crop phenology (Growth Stage) and crop requirement. A soil Nitrate level of 10 - 40 ppm is preferred for a short time during critical periods of uptake into the tree. It is highly desirable to have low soil Nitrate (< 5ppm) prior to winter rainfall and cold soil conditions. Use the leaf Nitrogen level to determine primary Nitrogen requirement.
- 2) The presence of limestone may result in some chlorosis (yellowing) of the leaves, depending upon the tolerance of the rootstock used.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

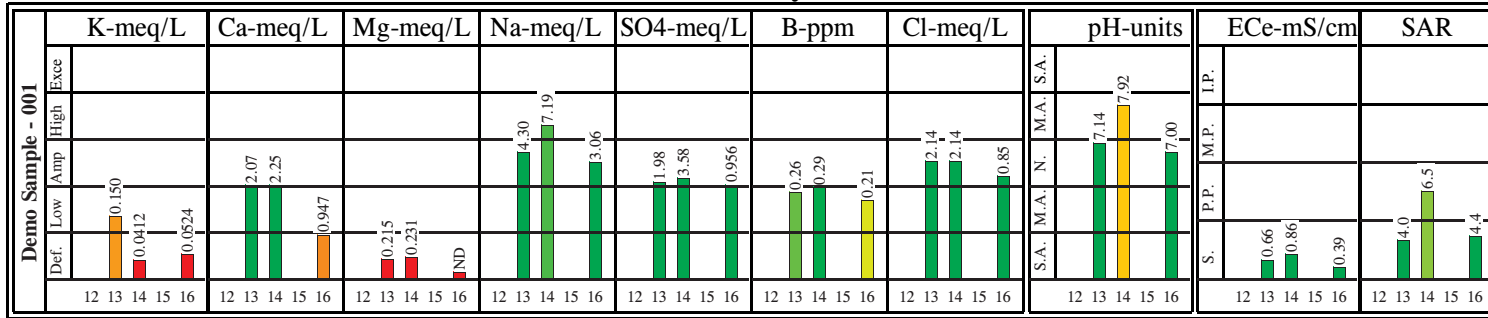
SB1:EHB


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SOIL SOLUTION MONITORING

COC ID : SP 0123456
 Sampled On : January 4, 2016

Almond Soil Analysis: 2012-2016



Good  Problem Water Soluable units reported as meq/L, ppm.
 Note pH: S.A.-Severly Acid; M.A.-Moderately Acid; N.-Near Nutrual; M.A.-Moderately Alkaline; S.A.-Severly Alkaline.
 Note ECe(Soil Salinity), SAR(Sodium Adsorption Ratio): S.-Satisfactory; P.P.-Possibe Problem; M.P.-Moderate Problem; I.P.-Increasing Problem.

