

June 24, 2016
ABC Farms
 1234 Dry Creek Road
 Rio Linda, CA 95673

Lab ID : SP 123456-001
 Customer ID : 2-0
 Sampled On : June 16, 2016
 Sampled By : FGL
 Received On : June 16, 2016
 Depth : 0-36"

Description : SA-1
 Project : Demo Report

GRAPE SOIL ANALYSIS

| Test Description | Result | Units | Optimum Range | Graphical Results Presentation | | | | |
|---|--------|----------|---------------|--------------------------------|-------------------|--------------|---------------------|-------------------|
| | | | | Very Low | Moderately Low | Optimum | Moderately High | Very High |
| Primary Nutrients | | | | | | | | |
| Nitrate-Nitrogen | 48.4 | Lbs/AF | 51 - 93 | | | | | |
| Phosphorus-P ₂ O ₅ (Bray) | 864 | Lbs/AF | 220 - 660 | | | | | |
| Potassium-K ₂ O (Exch) | 1040 | Lbs/AF | 140 - 860 | | | | | |
| Potassium-K ₂ O (Sol) | 437 | Lbs/AF | 59 - 290 | | | | | |
| Secondary Nutrients | | | | | | | | |
| Calcium (Exch) | 3930 | Lbs/AF | 3700 - 4900 | | | | | |
| Calcium (Sol) | 477 | Lbs/AF | 230 - 2100 | | | | | |
| Magnesium (Exch) | 598 | Lbs/AF | 370 - 740 | | | | | |
| Magnesium (Sol) | 127 | Lbs/AF | 100 - 290 | | | | | |
| Sodium (Exch) | 150 | Lbs/AF | 0.0 - 350 | | | | | |
| Sodium (Sol) | 303 | Lbs/AF | 0.0 - 1100 | | | | | |
| Sulfate | 540 | Lbs/AF | 140 - 3900 | | | | | |
| Micro Nutrients | | | | | | | | |
| Zinc | 30.4 | Lbs/AF | 3.4 - 81 | | | | | |
| Manganese | 33.2 | Lbs/AF | 6.8 - 120 | | | | | |
| Iron | 325 | Lbs/AF | 38 - 250 | | | | | |
| Copper | 3.60 | Lbs/AF | 1.4 - 41 | | | | | |
| Boron | 0.840 | Lbs/AF | 1.3 - 8.5 | | | | | |
| Chloride | 874 | Lbs/AF | 17 - 660 | | | | | |
| CEC | 7.65 | meq/100g | 14 - 35 | | | | | |
| % Base Saturation | | | | | | | | |
| CEC - Calcium | 64.1 | % | 60 - 80 | | | | | |
| CEC - Magnesium | 16.1 | % | 10 - 20 | | | | | |
| CEC - Potassium | 7.24 | % | 1.0 - 6.0 | | | | | |
| CEC - Sodium | 2.12 | % | 0.0 - 5.0 | | | | | |
| CEC - Hydrogen | 10.5 | % | 0.0 - 3.0 | | | | | |
| | | | | Strongly Acidic | Moderately Acidic | Near Neutral | Moderately Alkaline | Strongly Alkaline |
| pH | 5.89 | --- | 6.5 - 7.5 | | | | | |

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 | 1.45 | dS/m | 0.0 - 2.0 | ██████████ | | | | | | | |
| SAR | 1.6 | | 0.0 - 6.0 | ██████████ | | | | | | | |
| Limestone | < 0.10 | % | 0.0 - 0.50 | ██████████ | | | | | | | |
| | | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | |
| Lime Requirement | 0.8 | Tons/AF | --- | ██████████ | | | | | | | |
| | | | | Very Low | | Moderately Low | | Optimum | | Moderately High | |
| Moisture | 4.3 | % | 3.4 - 24 | ██████████ | | ██████████ | | | | | |
| | | | | Loamy Sand | Sandy Loam | Loam | Silt Loam | Clay Loam | Clay | Clay | Organic |
| Saturation | 34.4 | % | 40 - 50 | ██████████ | | | | | | | |
| | | | | Mineral | | | | Organic | | | |
| % Organic Matter | 1.63 | % | --- | ██████████ | | | | | | | |

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 vine. 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.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

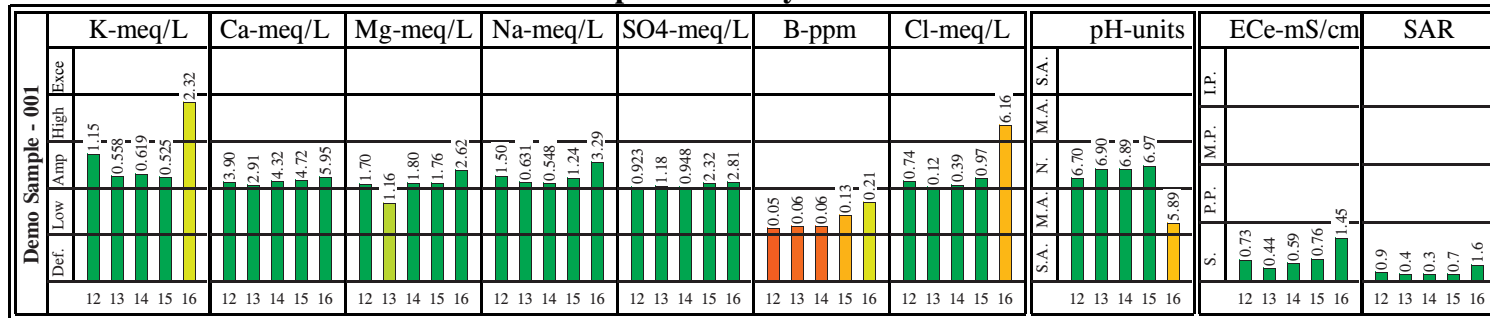
SB1:EHB


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SOIL SOLUTION MONITORING

COC ID : SP 0123456
 Sampled On : June 16, 2016

Grape 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.

