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SOIL ANALYSIS

| | | |
|---|-------------------------------|--|
| Send To: Aguinaga Green, Inc. 27910 Baker Cyn Rd. Silverado, CA 92676 | Project : Orange AG | Report No : 17-313-0006 Cust No : 04416 Date Printed : 11/20/2017 Date Received : 11/09/2017 Page : 1 of 2 Lab Number : 12053 |
|---|-------------------------------|--|

Sample Id : **Coco Mix "AgroCoir"**

SATURATION EXTRACT - PLANT SUITABILITY

| Test | Result | Effect on Plant Growth | | | | |
|---------------------------------|-----------|------------------------|----------------------------|-----------------------|----------------------------------|-------------------|
| | | Negligible | Sensitive Crops Restricted | Many Crops Restricted | Only Tolerant Crops Satisfactory | Few Crops Survive |
| Salinity (ECe) | 2.4 dS/m | | | | | |
| Sodium Adsorption Ratio (SAR) * | 2.5 | | | | | |
| Boron (B) | 0.73 ppm | | | | | |
| Sodium (Na) | 7.1 meq/L | | | | | |
| Chloride (Cl) | | | | | | |
| Carbonate (CO3) | | | | | | |
| Bicarbonate (HCO3) | | | | | | |
| Fluoride (F) | | | | | | |

* Structure and water infiltration of mineral soils potentially adversely affected at SAR values higher than 6.

| Test | Result | Strongly Acidic | Moderately Acidic | Slightly Acidic | Neutral | Slightly Alkaline | Moderately Alkaline | Strongly Alkaline | Qualitative Lime |
|------|----------|-----------------|-------------------|-----------------|---------|-------------------|---------------------|-------------------|------------------|
| pH | 6.8 s.u. | | | | | | | | None |

EXTRACTABLE NUTRIENTS

| Test | Result | Sufficiency Factor | SOIL TEST RATINGS | | | | | NO3-N |
|------------------------|------------|--------------------|-------------------|-----|--------|---------|-----------|---------------------------------|
| | | | Very Low | Low | Medium | Optimum | Very High | |
| Available-N | 21 ppm | 0.2 | | | | | | 4 ppm |
| Phosphorus (P) - Olsen | 87 ppm | 1.2 | | | | | | NH4-N |
| Potassium (K) | 1389 ppm | 3.7 | | | | | | 17 ppm |
| Potassium - sat. ext. | 11.4 meq/L | | | | | | | Total Exchangeable Cations(TEC) |
| Calcium (Ca) | 3061 ppm | 1.0 | | | | | | |
| Calcium - sat. ext. | 10.0 meq/L | | | | | | | 206 meq/kg |
| Magnesium (Mg) | 539 ppm | 1.2 | | | | | | |
| Magnesium - sat. ext. | 6.2 meq/L | | | | | | | |
| Copper (Cu) | 2.0 ppm | 0.8 | | | | | | |
| Zinc (Zn) | 9 ppm | 1.0 | | | | | | |
| Manganese (Mn) | 18 ppm | 0.9 | | | | | | |
| Iron (Fe) | 45 ppm | 0.5 | | | | | | |
| Boron (B) - sat. ext. | 0.73 ppm | 2.4 | | | | | | |
| Sulfate - sat. ext. | 7.8 meq/L | 2.6 | | | | | | |
| Exch Aluminum | | | | | | | | |

Cu, Zn, Mn and Fe were analyzed by DTPA extract.

PARTICLE SIZE ANALYSIS

| Half Sat | Organic Matter | Weight Percent of Sample Passing 2mm Screen | | | | | | | USDA Soil Classification |
|----------|----------------|---|----------|-----------------|--------------|----------------------------|----------|--------|--------------------------|
| | | Gravel | | Sand | | | Silt | Clay | |
| | | Coarse 5-12 | Fine 2-5 | Very Coarse 1-2 | Coarse 0.5-1 | Med. to Very Fine 0.05-0.5 | .002-.05 | 0-.002 | |
| 63 % | | | | | | | | | |

Graphical interpretation is a general guide. Optimum levels will vary by crop and objectives.