

**Soil/Plant Analysis Report**

|   |  |
|---|--|
| <b>Client:</b> TOUBMAN, KARL<br>P.O. BOX 1556<br>KAPAAU, HI 96755 | <b>Date Reported:</b> 05/13/2011<br><b>Agent:</b> HAMASAKI, RANDALL, Office: KAMUELA<br>67-5189 KAMAMALU ROAD<br>KAMUELA, HI 96743-8439<br>887-6183, Fax: 887-6182 |
|---|--|

**Sample Information**

|                                      |                                  |                                      |
|--------------------------------------|----------------------------------|--------------------------------------|
| <b>Job Control No:</b> 11-043098-001 | <b>Map Unit:</b>                 | <b>Plant Grown:</b> OTHER CROP       |
| <b>Sample Label:</b> TOUBMAN         | <b>Soil Series:</b>              | <b>Plant to be grown:</b> OTHER CROP |
| <b>Date Received:</b> 4/27/2011      | <b>Soil Category:</b> HEAVY SOIL | <b>Can you till 4~6 in.?</b> No      |
| <b>Send Copy To</b>                  | <b>Soil Depth (in):</b>          | <b>Test Results Only?</b> No         |
| <b>Elevation (ft.):</b>              | <b>Latitude:</b>                 | <b>Longitude:</b>                    |

**Test Results and Interpretation**

| HEAVY SOIL    |         | INTERPRETATION    |          |     |            |      |           |
|---------------|---------|-------------------|----------|-----|------------|------|-----------|
| Soil Analysis | Results | Expected          | Very Low | Low | Sufficient | High | Very High |
| _pH           | 5.2     | 6                 |          |     |            |      |           |
| P_ppm         | 22      | 37.5              |          |     |            |      |           |
| K_ppm         | 84      | 250               |          |     |            |      |           |
| Ca_ppm        | 672     | 1750              |          |     |            |      |           |
| Mg_ppm        | 336     | 350               |          |     |            |      |           |
| OC_%          |         | No criteria found |          |     |            |      |           |
| Total_N_%     |         | No criteria found |          |     |            |      |           |
| Salinity_EC   |         | 1.25              |          |     |            |      |           |
| S_ppm         |         | No criteria found |          |     |            |      |           |
| Fe_ppm        |         | No criteria found |          |     |            |      |           |
| Mn_ppm        |         | No criteria found |          |     |            |      |           |
| Zn_ppm        |         | No criteria found |          |     |            |      |           |
| Cu_ppm        |         | No criteria found |          |     |            |      |           |
| B_ppm         |         | No criteria found |          |     |            |      |           |
| Mo_ppm        |         | No criteria found |          |     |            |      |           |
| Al_ppm        |         | No criteria found |          |     |            |      |           |

| OTHER CROP     |         | INTERPRETATION    |          |     |            |      |           |
|----------------|---------|-------------------|----------|-----|------------|------|-----------|
| Plant Analysis | Results | Expected          | Very Low | Low | Sufficient | High | Very High |
| N_%            |         | No criteria found |          |     |            |      |           |
| P_%            |         | No criteria found |          |     |            |      |           |
| K_%            |         | No criteria found |          |     |            |      |           |
| Ca_%           |         | No criteria found |          |     |            |      |           |
| Mg_%           |         | No criteria found |          |     |            |      |           |
| S_%            |         | No criteria found |          |     |            |      |           |
| Fe_ppm         |         | No criteria found |          |     |            |      |           |
| Mn_ppm         |         | No criteria found |          |     |            |      |           |
| Zn_ppm         |         | No criteria found |          |     |            |      |           |
| Cu_ppm         |         | No criteria found |          |     |            |      |           |
| B_ppm          |         | No criteria found |          |     |            |      |           |
| Mo_ppm         |         | No criteria found |          |     |            |      |           |
| Al_ppm         |         | No criteria found |          |     |            |      |           |
| NO3_ppm        |         | No criteria found |          |     |            |      |           |

### Problem Description

OTHER PLANTS TO BE GROWN: HERBS AND SUGARCANE.

### Fertilizer and Lime Recommendations

| Total Nutrient Requirement (lbs/Acre): |                 | Nitrogen: 300                | Phosphorus: 80       | Potassium: 199               |
|--|-----------------|------------------------------|----------------------|------------------------------|
| Fertilizer / Lime                      | Material        | Total Amount (lbs/100sq-ft.) | Applications         | Cost Estimate (\$/100sq-ft.) |
| Fertilizer:                            | 16-16-16        | 4.3                          | split into 3 applns. | 0.775                        |
| Lime Material:                         | Coral Limestone | 14.5                         | split into 1 applns. | 3.18                         |

### Comments

---- GENERAL INFORMATION ----

- o Please indicate the soil series when submitting your soil samples.
- o Knowing levels of sulfur and micronutrients in plants is also important. For proper diagnosis, tissue analysis is needed.
- o Apply and incorporate all of the lime before planting.
- o For sugarcane, split the fertilizer into several applications, at planting followed with an application at 3 months and last application at 6-7 months of age. Crop matures at 24 months.
- o We recommend that you adopt a nutrient monitoring approach by retaining this sample report for comparison with future samples.

**NOTE:**

The interpretations are based on Fact Sheet No. 3 "Adequate Nutrient Levels in Soils and Plants in Hawaii."

To help improve future recommendations, please answer the following questions, photocopy this form and return it to above address.

1. Did you need to modify the recommendation? if so, how?
2. Did your plants improve? Please give unit area yield before and after the recommendation was applied.

**FEEDBACK**