

ANALYTICAL SERVICE FEES

AGRICULTURAL DIAGNOSTIC SERVICE CENTER

University of Hawai'i at Manoa
1910 East West Road, Sherman Lab 134
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Code

Price per sample

PLANT DISEASE

| | | |
|-----------|--|---------------------------------|
| D1 | General Diagnosis and Bioassay for VIRUSES, BACTERIA, or FUNGI | \$ 12.00 |
| D2 | Plant or Soil Analysis for NEMATODES | \$ 12.00 |
| D3 | Disease Analysis for FUNGI SPECIES | Price dependent on actual cost. |

FEED AND FORAGE

| | | |
|------------|--|----------|
| F1 | Dry Matter/ Moisture | \$ 7.00 |
| F2 | Ash | \$ 7.00 |
| F3 | Crude Protein (CP) | \$ 7.00 |
| F4 | Crude Fat (EE) | \$ 7.00 |
| F5 | Neutral Detergent Fiber (NDF) | \$ 7.00 |
| F6 | Acid Detergent Fiber (ADF) | \$ 7.00 |
| F7 | Lignin (PML) | \$ 15.00 |
| F8 | Cellulose (C) | \$ 20.00 |
| F9 | Minerals (B, Ca, Cu, Fe, Mg, Mn, Mo, P, K, Na, Zn) | \$ 18.00 |
| F10 | F1 thru F8 | \$ 42.00 |
| F11 | F1 thru F9 | \$ 52.00 |

INSECT IDENTIFICATION

| | | |
|-----------|---|---------|
| I1 | General Diagnosis | \$ 7.00 |
| I2 | Insect Identification-Slide Mounted | \$11.00 |

SOIL ANALYSES

| | | |
|------------|--|----------|
| S1 | pH and Salinity | \$ 6.00 |
| S2 | pH and EXTRACTABLE NUTRIENTS (Ca, Mg, P, K) | \$12.00 |
| S3 | <u>ANY ONE</u> of the following: | \$ 7.00 |
| | TC – Total Carbon N – Total Nitrogen | |
| | NH ₄ – Ammonium Nitrogen NO ₃ – Nitrate Nitrogen | |
| | B – Boron | |
| S4 | TC and N– Total Carbon and Total Nitrogen | \$10.00 |
| S5 | Cation Exchange Capacity | \$ 25.00 |
| S6 | Mehlich III Extract; DTPA Extractable Micronutrients | \$ 17.00 |
| | Cu (Copper), Fe (Iron), Mn (Manganese), Zn (Zinc) | |
| S7 | Metals (Acid Digest) | \$ 50.00 |
| | As (Arsenic) Cd (Cadmium) Cr (Chromium) Cu (Copper) Fe (Iron) Mo (Molybdenum) | |
| | Ni (Nickel) Pb (Lead) Se (Selenium) Va (Vanadium) Zn (Zinc) | |
| S8 | S2 + S6 (Extractable Nutrients) | \$ 22.00 |
| S9 | S7 + S8 (Extractable Nutrients Plus Metals) | \$ 57.00 |
| S10 | Particle Size Distribution (% Sand, Silt, Clay) | \$ 30.00 |
| S11 | Test for presence of soil | \$50.00 |

PLANT TISSUE ANALYSES

| | | |
|-----------|---|----------|
| T1 | <u>ANY ONE</u> of the following: | \$ 7.00 |
| | N – Total Nitrogen NO ₃ -N – Nitrates C – Total Carbon | |
| | S – Sulfur Si – Silicon | |
| T2 | All of the following: | \$ 20.00 |
| | B (Boron) Ca (Calcium) Cu (Copper) Fe (Iron) | |
| | K (Potassium) Mg (Magnesium) Mn (Manganese) Na (Sodium) | |
| | P (Phosphorus) Zn (Zinc) | |
| T3 | Total Nitrogen (N) and Total Carbon (C) | \$10.00 |
| T4 | Metals (See list of Metals under Soil Analyses)..... | \$ 25.00 |

IRRIGATION WATER AND NUTRIENT SOLUTIONS

| | | |
|-----------|--|----------|
| W1 | pH and Salinity | \$ 6.00 |
| W2 | <u>ANY ONE</u> of the following: | \$ 7.00 |
| | N (Total Nitrogen) NH ₄ -N (Ammonium Nitrogen) NO ₂ -N (Nitrite Nitrogen) | |
| | NO ₃ -N (Nitrate Nitrogen–acid preserved sample, refrigerated) | |
| | *Other elements by arrangement | |
| W3 | <u>All</u> of the following: | \$ 15.00 |
| | B (Boron) Ca (Calcium) Cu (Copper) Fe (Iron) | |
| | K(Potassium) Mg (Magnesium) Mn (Manganese) Mo (Molybdenum) | |
| | Na (Sodium) P (Phosphorus) Zn (Zinc) | |
| W4 | Metals (Acid Preparation) | \$ 25.00 |
| | See list of Metals under Soil Analyses . | |