

ANALYTICAL SERVICE FEES (for volcano-affected areas)

AGRICULTURAL DIAGNOSTIC SERVICE CENTER

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Samples for codes W1, W4, S1 and S7 highlighted will be free (for three samples for each type of test) for commercial farmers and the general public in volcano-affected areas of Puna, Volcano, Pahala, Naalehu, South Point, and Hawaiian Oceanview areas. This offer can be withdrawn at any given time.

<u>Code</u>	PLANT DISEASE	<u>Price per sample</u>
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** ANY ONE of the following: \$ 7.00
 N – Total Nitrogen NO₃-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** ANY ONE of the following: \$ 7.00
 N (Total Nitrogen) NH₄-N (Ammonium Nitrogen) NO₂-N (Nitrite Nitrogen)
 NO₃-N (Nitrate Nitrogen–acid preserved sample, refrigerated)
 *Other elements by arrangement
- W3** All 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**.