

PLANT DIAGNOSTICS

Plant diagnostics of the BBL provides identification of pathogenic and non-pathogenic disorders affecting commercial crops in Haiti and promotes reduced pesticide use by making control recommendations. Its services help growers protect the production capability and marketability of their crops. The laboratory diagnoses infectious plant diseases (associated with fungi, bacteria, viruses, insects and nematodes) and also provides insect identifications.



OTHER SERVICES

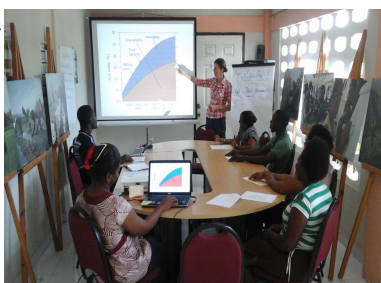
Food processing

A small food processing section of the BBL provides assistance to a small food entrepreneurs and startup-agribusinesses through regulatory, food safety, quality (pH, humidity, shelf life testing) and product development issues (nutritional labeling). The development kitchen with several dehydrators and blenders is available for a small scale preparation of dry products.



Training and educational center

One of the BBL objectives is training and education. A modern conference facility of CRDD with all the amenities provides an ideal training venue for seminars and extension education. Agricultural producers and the public are being informed and trained about wise soil management and proper fertility practices. It also conduct educational programs on basic plant health problems, identification tools and provide outreach support on new and emerging agricultural practices.



For submitting a sample and testing cost please contact us at:

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Bas Boen Laboratory (BBL) Rural Center for Sustainable Development (CRDD)

- Field Testing
- Laboratory Analysis
- Contract Research
- New Methods Development

Bas Boen Laboratory is an independent agricultural diagnostic laboratory which utilizes holistic techniques to meet any agricultural production needs.



ABOUT US

Founded in 2011 by the USAID WINNER project, Bas Boen Laboratory is modern diagnostic laboratory focusing primary on soil and water testing. This laboratory has also capacity for detection and characterization of plants-parasitic nematodes. Our customers includes growers, farmers associations, greenhouse growers, agricultural consultants, universities, research institutions, property owners and NGOs. We are under permits and regulation of Ministry of Agriculture and Natural Resources of Haiti (MARDNR). BBL also participated in The Haiti Pilot Soil Survey Initiative- join project between USAID, Foreign Agricultural Services (FAS), U.S Department of Agriculture, Natural Resources Conservation Service (NRCS), Direction Rurale Forestiere et du Sol (DRFS) of Ministry of Agriculture (MARDNR) and Faculty of Agriculture and Veterinary Medicine (FAMV).

OUR MISSION

The mission of the BBL is to develop environmentally safe control strategies for soil analysis, water quality testing and plant diagnostics, thereby promoting agricultural sustainability, assuring food safety and providing linkage to integrated soil/crop management systems. The mission also includes an inexpensive means for both agricultural producers to test their soil fertility and receive limestone and fertilizer recommendations.

SOIL FERTILITY TESTING

Soil fertility section of BBL is carrying out the following activities:

I. Analysis

Samples are routinely tested for a variety of major (nitrogen, phosphorus, and potassium), secondary (sulfur, calcium, magnesium) and minor plant nutrients. Additionally, soil acidity (pH), organic matter and electrical conductivity (EC) is determined. The final report includes results of chemical analysis of the soil along with lime and fertilizer recommendations for the crop specified.



II. Research

Ongoing on-farm research to increase crop yield of crops such as beans, sorghum and corn is studied and specific data for nutrient requirements and proper application of fertilizer and biostimulants has been analyzed.

WATER QUALITY TESTING

Boas Boen Laboratory provides water testing services for water quality. Water quality analysis is provided for environmental (irrigation) and portable (well) water samples. Water testing includes:

- 1.) Physical indicators (temperature, conductivity, total suspended solids/TSS and turbidity).
- 2.) Chemical indicators (pH, dissolved oxygen/DO, total hardness and nitrates).
- 3.) Biological indicators (total coliforms, fecal coliform/*E.coli*).

