

Soil Testing, a necessity for all farmers, is now available at their doorstep, thanks to the introduction of Elico's mobile soil testing labs. The equipment on board ascertains Macronutrients like Nitrogen, Phosphate and Potassium, and Micronutrients like Iron, Zinc, Copper, Manganese and Minerals in soil. Correct understanding of the soil characteristics is essential to address nutrient deficiency through fertilizers, leading to better yield and cost saving.

SOIL HEALTH CARD



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ISSUED BY
Dept. of Agriculture H256263

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अब तक, हम मिट्टी के परिक्षण के लिए, मुख्यालय पर सरकारी प्रयोगशालाहष्टिकोण का इस्तेमाल किया करते थे।

अब मोबाइल परिक्षण प्रयोगशाला होने से हमें मिट्टी ले जाने का कष्ट नहीं करना पड़ता। मौके पर ही मिट्टी की जांच हो जाती है और परिणाम भी उसी समय मिल जाता है।



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ELICO'S MOBILE SOIL TESTING LABORATORY

BENEFITS OF SOIL TESTING

Economically proven

Soil Testing is economically prudent. The appropriate application of nutrients or fertilizers can save money. Do not buy nutrients that your soil does not need; instead, invest in those nutrients that will bring about healthy growth and good yields.

Prior Health Knowledge

To apply optimal levels of nutrients or fertilizers to your soil, it is necessary to know the existing pH and the availability of essential plant nutrients in the soil. Having too much or too little of these nutrients or fertilisers can be harmful to plant growth.

Environmentally Responsible

Soil testing is an environmentally responsible practice. Applying fertiliser or other nutrient sources incorrectly can lead to nitrate or phosphorus contamination of water resources. By applying fertiliser appropriately, you can ensure that you are feeding your plants in an environment friendly and green way.

When to go for soil testing?

Soil samples, to be analysed for soil pH, salt content, Zinc (Zn) and Phosphorus (P), can be taken nearly any time of year. Potassium (K) values from samples taken in frozen soil may test high compared to other times of the year. Sulphur (S) and Chloride (Cl) are mobile in the soil, so sampling in winter or spring is recommended.



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Interior View of the Laboratory



Central Air Conditioning



Generator 5 KVA



Cylinder Storage



THE MOBILE LAB

Elico's mobile soil Testing Lab is designed and manufactured in conformity with industry standards. The Lab is spacious and equipped with all the necessary Analytical instruments for Soil Analysis. The lab analyses various parameters of soil. The competitive advantages of the mobile lab is providing soil health cards and soil recommendations to the farmer at his doorstep.

The mobile soil testing lab retains the standards of a soil testing lab. It also possesses all the features, including safety, and has a stand by power backup facility.

VEHICLE SPECIFICATIONS

Body Built in MS structure and exterior Aluminum Panelling (18G)	
GPS SYSTEM for Vehicle Tracking and Mapping Facility	REVERSE CAMERA with proximity sensors and reverse alarm
5165 wheel base	5.0 KVA- Diesel/Petrol Generator Set

INTERIOR SPECIFICATIONS

Interior Woodwork *	Driver Cabin with additional 3 seat space	Shock Absorbers to mount Instruments	Concealed Electrical and Water Pipe lines	LED TV
Vinyl Flooring	Manual Awnings	200 litres Water Storage Tank	Fire Extinguisher and FirstAid Box	WIFI Access Point
Central Engine Driven A/C	Amplifier & Speaker System	Storage racks for consumables	Acid & Chemical resistance tabletop and WashBasin *	Vehicle fabrication done at ISO & CIRT Certified Workshop

* as per industry standards



checking the essentials in soil

Iron	Zinc	Copper
Sodium	Boron	Molybdenum
Nitrogen	Phosphorus	Potassium
Manganese	Magnesium	Sulphur
pH	Conductivity	Calcium



- True Double Beam Atomic Absorption Spectrophotometer
- Scanning VIS Spectrophotometer
- Flame Photometer
- Conductivity Meter
- pH Meter
- Semi Automatic Nitrogen Distillation System
- Electronic precision Table Top Balance
- Shaker