

RAPID AUTOMATED SOIL TESTING WITH AGRONOMY ADVISORY (KRISHI-RASTAA)

Jointly Developed by ICAR-IIRR & KRISHITANTRA

The technology is a testament to the power of collaboration, having been jointly developed by ICAR-IIRR and KrishiTantra. Manufactured by Hi-Media Laboratories and marketed by BhoomiSeva (HCF Tech Services Pvt. Ltd.), this system seamlessly conducts 12 key soil parameter tests in just 30 minutes, providing quick, accurate results directly to farmers and stakeholders through a soil health card on their mobile devices.



PARAMETERS

N Nitrogen	Zn Zinc
P Phosphorus	B Boron
K Potassium	Oc Organic Carbon
S Sulfur	Ec Electrical Conductivity
Cu Copper	pH
Fe Iron	Mn Manganese

CHEMICAL REAGENTS

Nitrogen-A sachet, Nitrogen-B sachet, Nitrogen-C, Nitrogen-D, Phosphorous, Potassium, Sulfur, Micro-nutrients-A, Micro-nutrients-B, Micro-nutrients-B, Organic Carbon-A, Organic Carbon-B, EC buffer, buffer (4 & 7)

AI AND IOT INTEGRATION

Dedicated tablet enables the following features:
1. Uninterrupted test with more higher bandwidth
2. Mobile device management system helps to get better service and real time problem solving
3. Inbuilt video conferencing facility which helps to VLE for regular update training and also adoption new technology is easy

**IoT and AI Enabled
Rapid Automated Soil Testing
and Agronomy Advisory Service**

Exclusive Technology Developed By



Krishitantra™



IIRR



ICAR



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