

HiMedia is named as 'Pride of India' by Bioscience experts as it is the first registered organization of Indian origin, founded by an Indian scientist for manufacturing microbiology media based on in-house R&D technology.

BHU-Vision (Rapid Automated Soil Analysis Apparatus)- an automated soil analysis system for use in agriculture that is designed to test soil nutrient content and generate a customized fertilizer recommendation on the go.

BHU-Vision device (licensed manufactured and marketed by himedia) is developed by Indian Institute of Rice Research (ICAR – IIRR) in a joint venture with Krishitantra. The product is validated and jointly developed by 12 scientists of various ICAR institute across India along with Krishitantra team. The accuracy of BHU-Vision is found to be nearly 95% accurate in comparison with conventional methods.



### BHU-Vision Device - Product Specification


<b>Dimensions</b>	
Overall length	450 mm
Overall width	370 mm
Overall height	440 mm
<b>Weight</b>	
Weight without chemicals	12.55 Kg
<b>Power</b>	
Voltage	230V AC/ 12 V DC
Wattage	24 W
<b>Operating Temperature</b>	22-40 Deg. Celsius (for chemicals)
<b>Storage Temperature</b>	25-30 Deg. Celsius (with chemicals) 15-40 Deg. Celsius (without chemicals)
<b>Accessories</b>	Power Supply, EC electrode, pH electrode, weighing scale, 2 Beakers, 3 x 60ml bottles, 3 x 125ml bottles, 3 funnels, 125 ml dropping bottle, 2 x 15ml centrifugal tubes, Controlling Tab , Filter Papers
<b>Chemical Reagents</b>	Nitrogen-A sachet, Nitrogen-B sachet, Nitrogen-C, Nitrogen-D, Phosphorous, Potassium, Sulfur, Micro-nutrients-A, Micro-nutrients-B, Micro-nutrients-B salt, Organic Carbon-A, Organic Carbon-B, EC buffer, pH buffer (4 & 7)

### Test Parameters

<b>N</b> Nitrogen	<b>Zn</b> Zinc
<b>P</b> Phosphorus	<b>B</b> Boron
<b>K</b> Potassium	<b>Oc</b> Organic Carbon
<b>S</b> Sulfur	<b>Ec</b>
<b>Cu</b> Copper	<b>pH</b>
<b>Fe</b> Iron	<b>Mn</b> Manganese

## SAMPLE SOIL HEALTH CARD

<b>Test Center</b> Name - xxxxx Address - Udupi # 2023-87-123541-dvxy Sample Number - 1234	<b>Farmer Details</b> Name - xxxx Address - Udupi ,Udupi , Udupi , Udupi , Karnataka	<b>Sample Information</b> Selected Crop - Paddy,Wheat,Watermelon, Turmeric, Sweet potato, Garlic Plot Size - 29.650 acre Survey No. - 1234 Sampling Date - October 11, 2022 Testing Date - March 22, 2023
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 <b>pH 7.00</b> Range: 6.5 - 7.5 Recommendation :	 <b>Zinc 0.60 ppm</b> Range: > 0.60 Recommendation :	<b>Scale</b>  High, Acid, Saline, Highly Alkaline  Low (OC,OM)  Low, Deficient   Medium (OC,OM)   Medium, Neutral, Sufficient, Alkaline, Slightly Acidic  High (OC,OM)  Not selected 
 <b>EC 0.30 dS/m</b> Range: < 1 Recommendation :	 <b>Boron 1.00 ppm</b> Range: > 0.50 Recommendation :	
 <b>Organic Carbon 0.50 w%</b> Range: 0.50 - 0.75 Recommendation :	 <b>Manganese 0.35 ppm</b> Range: > 2.0ppm Recommendation :	
 <b>Organic Matter 0.86 w%</b> Range: 0.86 - 1.29 Recommendation :		
 <b>Nitrogen 345 kg/ha</b> Range: 280 - 560 Recommendation : 20 kg/ha		
 <b>Phosphorus 23.00 kg/ha</b> Range: 22.4 - 56.0 Recommendation : 10 kg/ha		
 <b>Potassium 45.0 kg/ha</b> Range: 135 - 336 Recommendation : 10 kg/ha	 Government of India Ministry of Agriculture and Farmers Welfare Department of Agriculture and Farmers Welfare  सत्यमेव जयते  <b>STL Chandigarh</b>	
 <b>Sulphur 0.50 ppm</b> Range: 10 - 20 Recommendation : 50.00 kg/ha		
 <b>Copper 0.50 ppm</b> Range: > 0.20 Recommendation :		
 <b>Iron 0.10 ppm</b> Range: > 2.50 Recommendation : 10.00 kg/ha		
		 स्वस्थ धरा, खेत हरा

### Packaging Contents

The toolkit for BHU-Vision includes the following:

Item	Quantity
BHU-Vision device	1
SMPS/DC power supply	1
60 ml bottle	3
125 ml bottle	3
100 ml beaker	2
Electrical Conductivity probe	1
pH probe	1
Funnel	3
Weighing scale	1
Centrifuge tube	2
Tab	1

Certified by



Manufactured under the licence given by Krishitantra

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