



Soil Health Diagnostic System Report



| Farmer Information | | Sample Details | |
|--------------------|------------------|----------------|--------------------------------------|
| Name | Laldinpuia | Test ID | 103 |
| Gender | Male | Sample Date | 27-04-2024 |
| Age | 36 | GPS Data | Lat: 91.44895° N, Long: 92.658754° E |
| Address | Chanmari, Aizawl | | |
| Mobile No. | 9862000080 | | |
| Area (ha) | 5.5 | | |

| Soil Test Information | | | Soil Health Indicators | |
|-----------------------|-------|----------------|------------------------|--|
| Indicators | Value | Normal Range | | |
| Soil pH | 6.5 | 6.0 - 7.5 | | |
| Nitrogen (N)(mg/kg) | 255.0 | 50 - 250 mg/kg | | |
| Phosphorus (P)(mg/kg) | 164.0 | 20 - 100 mg/kg | | |
| Potassium (K)(mg/kg) | 212.0 | 50 - 200 mg/kg | | |
| EC(dS/m) | 2.5 | 0 - 2 dS/m | | |
| Temperature (°C) | 25.0 | 10 - 30 °C | | |
| Moisture (%) | 30.0 | 20 - 80 % | | |
| Humidity (%) | 40.0 | 30 - 70 % | | |

| Overall Result | | |
|----------------------------|---|---|
| Result | Value | Range |
| Soil Health Score | 0.60 | 0 - 1 |
| Rating | Average | Very Poor, Poor, Below Average, Average, Above Average, Good, Excellent |
| Crop Recommendations | Grow Vegetables (Tomato, Brinjal, Chili), Fruits (Mango, Banana, Citrus), and Cash crops (Sugarcane, Tobacco). | |
| Fertilizer Recommendations | Apply organic amendments like Compost (1-2 tonnes/ha) or Vermicompost (0.5-1 tonne/ha). Follow integrated nutrient management practices. Apply chemical fertilizers like Urea (0.08-0.12 tonnes/ha), Single Superphosphate (0.06-0.09 tonnes/ha), and Muriate of Potash (0.04-0.06 tonnes/ha) as per soil test recommendations and crop requirements. | |

Report Generated On: 14-04-2024(Sunday) 05:17:05AM

SOIL HEALTH DIAGNOSTIC SYSTEM
Designed & Developed by: LALDINPUIA, Research Scholar
Department of Mathematics and Computer Science, Mizoram University
Email: mzu22000486@mzu.edu.in