

GOVERNMENT OF TELANGANA
DEPARTMENT OF AGRICULTURE
SOIL HEALTH CARD (SHC)

CYCLE: 2023-2025

- **Farmer Name:** Rao B. Krishna
- **Father's Name:** Late Rama Rao
- **Address:** H.No. 12-345, Pochampally Village, Pochampally Mandal, Nalgonda District, Telangana - 508284
- **Mobile No.:** +91-98765 XXXXX
- **Aadhaar No.:** XXXX XXXX 1234
- **Survey No./Field ID:** 123/A (Plot A of Survey No. 123)
- **Geographical Coordinates (Approx.):** Lat: 17.152, Long: 79.135
- **Area of Field:** 2.5 Acres
- **Date of Sampling:** 15/10/2023
- **Date of Testing:** 25/10/2023
- **Date of Issue:** 15/11/2023
- **Soil Testing Lab:** District Soil Testing Lab, Nalgonda

Parameter	Unit	Test Result	Optimal Range (General)	Status	Interpretation
pH (Acidity/Basidity)	-	7.2	6.5 - 7.5	Neutral	Ideal for most crops.
Electrical Conductivity (EC)	dS/m (DeciSiemens/meter)	0.45	< 1.0	Normal	Low salinity, good for crop growth.
Organic Carbon (OC)	% (Percent)	0.52	0.5 - 0.75	Medium	Moderate organic matter, needs improvement.

Nutrient	Unit	Test Result	Optimal	Status	Interpretation
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			Range (General)		on
Nitrogen (N) (as Available N)	kg/ha (KiloGrams/Hectare)	180	280 - 560	Low	Significant deficiency, critical for growth.
Phosphorus (P) (as P ₂ O ₅)	kg/ha	30	20 - 50	Medium	Adequate for most crops, but monitor.
Potassium (K) (as K ₂ O)	kg/ha	380	280 - 560	High	Sufficient supply, careful with K application.

Nutrient	Unit	Test Result	Optimal Range (General)	Status	Interpretation
Zinc (Zn)	ppm	0.7	0.6 - 1.2	Medium	Borderline, may need supplementation for sensitive crops.
Iron (Fe)	ppm	5.5	4.5 - 8.0	Medium	Generally sufficient.
Copper (Cu)	ppm	1.8	0.2 - 2.0	High	Sufficient.
Manganese (Mn)	ppm	3.2	2.0 - 5.0	Medium	Generally sufficient.
Boron (B)	ppm	0.4	0.5 - 1.0	Low	Deficiency, needs correction.

Sulfur (S)	ppm	12	10 - 20	Medium	Adequate.
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General Recommendations:

- Emphasize balanced nutrient application.
- Incorporate organic matter regularly.
- Conduct soil testing every 2-3 years.

Crop 1: Paddy (Rice) - Kharif Season

Nutrient	Recommended Dosage (kg/Acre)	Notes
Nitrogen (N)	50 (e.g., 110 kg Urea)	Apply in 3 splits (Basal, Tillering, Panicle Initiation).
Phosphorus (P)	25 (e.g., 55 kg DAP)	Apply full dose at basal.
Potassium (K)	0 (e.g., 0 kg MOP)	No K recommended due to High K in soil.
Zinc (Zn)	5 kg Zinc Sulphate/Acre	Basal application.
Boron (B)	1 kg Borax/Acre	Basal application.
Organic Manure	5-7 tonnes Farm Yard Manure (FYM)/Acre	Apply during land preparation.

Crop 2: Groundnut - Rabi Season

Nutrient	Recommended Dosage (kg/Acre)	Notes
Nitrogen (N)	10 (e.g., 22 kg Urea)	Apply as basal.
Phosphorus (P)	20 (e.g., 44 kg DAP)	Apply full dose at basal.
Potassium (K)	0 (e.g., 0 kg MOP)	No K recommended.

Zinc (Zn)	2.5 kg Zinc Sulphate/Acre	Basal application.
Boron (B)	0.5 kg Borax/Acre	Basal application.
Organic Manure	3-4 tonnes FYM/Acre	Apply during land preparation.

Soil Amelioration / Improvement Measures

- **For Organic Carbon (Medium):** Regular application of well-decomposed Farm Yard Manure (FYM), compost, green manure crops (e.g., Dhaincha, Sunhemp), or crop residues will help improve soil organic matter.
- **For Zinc & Boron (Low):**
 - As recommended in the crop-specific recommendations, apply Zinc Sulphate and Borax as basal.
 - Foliar spray of 0.2% Zinc Sulphate and 0.1% Borax can be done if deficiency symptoms appear during crop growth.

General Advisory

- Promote efficient water use through micro-irrigation systems where feasible.
- Practice crop rotation to maintain soil fertility and break pest/disease cycles.
- Adopt integrated nutrient management (INM) by combining chemical fertilizers with organic manures.
- Avoid burning crop residues.
- Consult your local Agricultural Extension Officer for specific advice and schemes.

FOR ANY ASSISTANCE, CONTACT YOUR LOCAL AGRICULTURAL EXTENSION OFFICER

Signature of Issuing Authority:
(Agricultural Officer, Pochampally Mandal)