

AgriNova AI - Farmer Advisory Report

1. FARMER PROFILE

Name:	kumar		
District:	Select District	Agro Zone:	General Zone
Land Area:	2.0 Acres	Soil Type:	Red
Current Crops:	Paddy	Irrigation:	Rain-fed + Borewell

2. TECHNOLOGY ADOPTION ANALYSIS

Overall Adoption Score: 28%

Status: Low Level (Ahead of 24% of regional farmers)

Top Priority Actions:

1. Apply for PM-KISAN: Get Rs. 6,000 direct to your bank this year
2. Install Drip Irrigation: 100% subsidy ? no cost for small farmers
3. Enroll in PMFBY Insurance: Protect your crop from drought and flood loss

3. RECOMMENDATIONS

Suggested Technologies:

- Drip Irrigation System (Rs. 45,000 / acre)
Waters crops at the root through small tubes ? saves 40 to 60% water and reduces weeding cost significantly per season.
- Solar Water Pump (Rs. 2.5 Lakh)
Replaces your diesel borewell pump with solar power ? eliminates fuel cost entirely and qualifies for 60% central govt subsidy.
- Soil Health Card ? Soil Testing (Cost: Free)
Know exact NPK and pH of your field ? apply only what the crop needs and reduce fertiliser expenditure by up to 20%.
- Precision Pesticide Drones (Service: Rs. 500/acre)
UAVs for targeted spraying. Reduces chemical usage by 30% and keeps farmers safe from direct exposure.

Eligible Government Schemes:

- PM-KISAN ? Income Support (Apply Now)
Benefits: Rs. 6,000 / year, Direct bank transfer
- PMFBY ? Crop Insurance (Enroll Now)
Benefits: Low premium rate, Crop protection
- Kisan Credit Card (KCC) (Visit Website)
Benefits: 4% interest rate, Up to Rs. 3 Lakh
- TN Micro Irrigation Scheme (Horti Dept)
Benefits: 100% Subsidy, Water Efficiency
- Kalaigarin All Village Integrated Agri Dev (Check Status)
Benefits: Village Level Focus, Infrastructure Support

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Recommended Crops for your Soil:

Groundnut, Maize, Ragi, Pulses