

# 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*
- Kalaignar 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