

# Crop Recommendation Report

## ***Recommended Crop: Muskmelon***

Muskmelon is the best crop to be cultivated right there

**Technical Summary:** Muskmelon fits because K, ph align with its profile; consider adjusting N, P, temperature, rainfall.

**Farmer Friendly:** Crop is suitable. Good: potassium, soil pH. Needs attention: nitrogen, phosphorus, temperature, rainfall.

### **Suggestions / Actions:**

- Improve nitrogen conditions.
- Improve phosphorus conditions.
- Consider waiting for a few warmer/cooler days if possible.
- Plan irrigation or drainage depending on expected rain.

## ***Input Values***

Parameter	Value
Nitrogen (N)	50.0
Phosphorus (P)	40.0
Potassium (K)	50.0
Temperature (°C)	27.1
Humidity (%)	91.0
Soil pH	6.5
Rainfall (mm)	0.9

## ***Model Probability (Top 10)***

Crop	Probability %
Muskmelon	45.00
Grapes	22.00
Apple	19.00
Papaya	8.00
Banana	4.00
Cotton	1.00
Mothbeans	1.00
Rice	0.00
Maize	0.00
Jute	0.00

### ***Feature Alignment***

Feature	Your	Mean	Std	Z	Assessment
N	50.0	100.32	12.18	-4.13	outside typical range
P	40.0	17.72	7.19	3.1	outside typical range
K	50.0	50.08	3.22	-0.02	within typical range
temperature	27.1	28.66	0.86	-1.81	outside typical range
humidity	91.0	92.34	1.51	-0.89	slightly different
ph	6.5	6.36	0.23	0.61	within typical range
rainfall	0.9	24.69	2.77	-8.58	outside typical range

*Generated automatically. Always validate with local agronomy advice.*