

PACKAGE OF PRACTICES

CROP: MUSKMELON

Sl. No.	Particulars/operations /Practice	Details of operation
1	Suitability for the area/ Agro climatic zone	Musk melon requires a dry hot climate with warmer days and cooler nights. Cannot withstand frost and low temp.
2	Land / Soil	Well drained sandy loams and alluvial soils. Soil pH 5.5 to 6.5 is ideal.
3	Season/Sowing time	June-Oct and Feb-April in South India. July-Aug and Feb- March in Northern and Western India, June-July in Eastern India
4	Seed rate	250-300g canal method.
5	Preparation of Main field and planting	Apply 10 tonnes of decomposed FYM followed by harrowing to mix in the soil. *Form sowing cannals *Apply basal dose of fertilizers in sowing canals and cover the fertilizer *Irrigate the field two days prior to sowing. *Dibble two seed per hill, immediately give light irrigation for quick and better Germination
6	Spacing	Row to Row(canal) 180-200cm; Plant to plant: 45cm
7	Seed treatment before sowing	Seed treatment with Gaucho (Imida) 2 ml/kg
8	Manures and Fertilizers	* Basal dose before sowing : 30:50:50 Kg NPK * First top dressing 20-25 days after sowing: 50kg N * Second top dressing 20-25 days after first top : 20 kg N Apply 10 kg Furodan along with basal fertilizer
9	Irrigation schedule	Irrigate field depending on soil type .light and frequent irrigation once in 5-6days interval. Ensure sufficient moisture at root zone especially during flowering fruit stage
10	Weeding/inter-cultivation	Two hand weeding is required. Keep plots free of weed. Earthing up at 30 days after sowing. vine guiding
11	Micronutrient/growth regulator sprays	*Spray Calcium Nitrate(1% solution) at the time of flowering to increase fruit set
12	Pest and Disease control	Powdery Mildew: Karathane 1.0ml/Lit. Downy mildew: Ridomil 2g/lt Leaf miner: Triazhophos(Spark) 1.0 ml/Lit Red pumpkin beetle: Thiamethoxam 1ml/lt Sucking pest: Confidor 0.3ml/Lit, Actapride 1.0 ml/lit Fusarium Wilt: Drench 0.2% Bavistin
13	Expected yield	Fruits ready for 1 st harvest at 70-75 DAS. Tendril Full slip easy detachment of fruit stalk is the indication of maturity. Yields 12-14 t/ha from a well managed crop.