

PACKAGE OF PRACTICES

CROP: RIDGE GOURD

Sl. No.	Particulars/operations /Practice	Details of operation
1	Suitability for the area/ Agro climatic zone	It's a warm season crop and grows well in temperature range of 25-35°C. Its sensitive to frost/Low temperature,
2	Land / Soil	Sandy soils are best suited, 6.5-7.5 pH is ideal
3	Season/Sowing time	Feb-March, June-July and Nov-Dec
4	Seed rate	Transplanting 500-600g seeds. For direct sowing 1-1.2 kg/Acre
5	Preparation of Main field and planting	Apply 10-15 tons of FYM followed by harrowing to mix in the soil. Form ridges and furrows at 2.5m apart and irrigate the channels day before sowing/Transplanting
6	Spacing	Row to row 2.5m, between plants 45-60 cm
7	Seed treatment before sowing	Seed treatment with Gaucho (Imida) 2 ml/kg and Bavistin 0.2%
8	Manures and Fertilizers	* Basal dose before sowing: 40:20:20 Kg NPK * First top dressing 30 days after sowing:40kg N
9	Irrigation schedule	Irrigate field depending on soil type. Light and frequent irrigation once in a 6-7 days interval in summer ensures sufficient moisture at the root zone especially during flowering fruit stage. Total of 9 irrigations are required
10	Weeding/ inter-cultivation	Two hand weeding is required. Keep plots free of weed. Earthing up at 30 and 60 days after sowing. vine guiding.
11	Micronutrient/growth regulator sprays	Spray multiplex 1g/lit during fruiting stage Micronutrient 1g/lit during flowering period
12	Pest and Disease control	Powdery Mildew: Karathane 1.0ml/Lit. Downy mildew: Ridomil 2g/lit Leaf miner: Triazhophos(Spark) 1.0 ml/Lit Red pumpkin beetle: Thiamethoxam 1ml/lit Sucking pest: Confidor 0.3ml/Lit, Actapride 1.0 ml/lit Fusarium Wilt: Drench 0.2% Bavistin Fruit fly: Use pheromone traps. Delta mithrin 1ml/l
13	Expected yield	Fruits ready for 1 st harvest 55 days after sowing. Picking should be done every 3-4 days. Yields 12-15 tons/ha in a well managed crop.