

PACKAGE OF PRACTICES

CROP: ASH 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. It is 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 and June-July
4	Seed rate	2kg/Acre, 2 seeds per hill spacing
5	Preparation of Main field and planting	Apply 8-10 tons of FYM followed by harrowing to mix in the soil. Form ridges and furrows at 3m apart and irrigate the canals day before sowing.
6	Spacing	Row to row 3m, between plants 75-90 cm
7	Seed treatment before sowing	Seed treatment with Gaucho(Imida) 2 ml/kg
8	Manures and Fertilizers	* Basal dose before sowing : 40:20:20 Kg NPK * First top dressing 40 days after sowing:40kg N
9	Irrigation schedule	Irrigate field depending on soil type. Light and frequent irrigation once in a 7-8 days 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 and 60 days after sowing. vine guiding
11	Micronutrient/growth regulator	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 at 70 days after sowing. Yields about 25-30 tons/ha from a well managed crop.