

PACKAGE OF PRACTICES

CROP: TOMATO

Sl. No.	Particulars/operations /Practice	Details of operation
1	Suitability for the area/ Agro climatic zone	Throughout the country. Optimum growing temperature is 18-30° C
2	Land / Soil	A well drained loamy soil. Ideal soil pH of 6.0-7.0
3	Season/Sowing time	Tomato crop is raised round the year under irrigated condition. Oct-Nov planting gives good yield.
4	Seed rate	60 g. Transplant 23 days old vigorous seedlings Ridges and furrows. Raised bed under drip irrigation.
5	Preparation of Main field and planting	Deep ploughing and harrowing. Add decomposed FYM @ 10tones followed by harrowing to mix in the soil thoroughly. Open the ridges and furrows. Apply basal dose on fertilizers Irrigate the field one day before transplanting. Transplanting should be done late afternoon. After transplanting light irrigation should be given for better and quick stand
6	Spacing	Row to Row: 90-105 cm; Plant to plant: 60 cm
7	Seed treatment before sowing	Seed treatment with Captan (2g/kg)
8	Manures and Fertilizers	* First dose basal before transplanting: 60:50:30 kg NPK * Second dose one month after first application 25 kg N *Third dose one month after second application: 25:30 kg N and K
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 setting stage
10	Weeding/ inter-cultivation	Two -three hand weeding is required. Keep plots free of weed. Earthing up at 30 and 50DAT.Stake the plant
11	Micronutrient/growth regulator sprays	*Spray Calcium Nitrate(1% solution) at the time of flowering to increase fruit set * Spray Urea & Soluble K(1% Solution each) 15 days interval during harvesting time
12	Pest and Disease control	Alternaria leaf spot: Ridomil 2.0g/Lit. Sulfex 2 g /Lit Fruit rot / Anthracnose: Ridomil/Kavach 2.og/Lit Thrips /Aphids /Mites: Monocil/Omit-1.5 ml/Lit Whiteflies: Triazhophos(Spark) 1.0 ml/Lit Fruit Borer: Quinolphos(Ekalaux)Cypermethrin 2.0 ml/Lit Leaf miner: Confidor 0.3ml/Lit, Actapride 1.0 ml/lit Red mites: Dicofol 2ml/Lit
13	Expected yield	First harvest starts from 85 DAT. Harvest an interval of 4-5 days. Crop last for 4-5 months after transplant. Well managed crop yields 30-33 t/ha.