

## PACKAGE OF PRACTICES

### CROP: BRINJAL

| Sl. No. | Particulars/operations /Practice              | Details of operation   |
|---------|---|--|
| 1       | <b>Land / Soil</b>                            | Well drained rich sandy loam for early and silt loam to clay loam for late crop. pH 5.5 – 7.0 is ideal.  |
| 2       | <b>Season/Sowing time</b>                     | First week of September to October for winter crop and January to February for spring crop   |
| 3       | <b>Seed rate</b>                              | 280-320 g/acre. Transplant 25-30 days old vigorous seedlings   |
| 4       | <b>Preparation of Main field and planting</b> | The land should be prepared to a fine tilth and FYM to be applied. Malathion 5% dust @ 10 kg/acre should be incorporated. It is advisable to apply lime in every three years @ 8q/acre depending upon soil test result. Liming should be done at least 30 days before planting.  |
| 5       | <b>Spacing</b>                                | 75 cm x 60 cm (Row to Row and Plant to Plant).   |
| 6       | <b>Manures and Fertilizers</b>                | FYM @ 4 t, N 20 kg, P <sub>2</sub> O <sub>5</sub> 20 kg and K <sub>2</sub> O 20 kg/acre. Half of N and full doses of FYM, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O should be applied as basal and the remaining half of N to be top dressed in one or two installments.  |
| 7       | <b>Irrigation schedule</b>                    | Application of 4 cm irrigation at 15-18 days interval by surface flooding  |
| 8       | <b>Weeding/ inter-cultivation</b>             | For weed management, application of pre-emergence herbicide (0-3 days after planting) Pendimethaline @ 1.5 kg/ha followed by hand weeding at 35 days after planting  |
| 9       | <b>Pest and Disease control</b>               | <p><b>Fruit and shoot borer:</b></p> <p>(a) Apply phorate or carbofuran granule @ 2.5 g/plant at 20 days after transplanting.</p> <p>(b) Apply deltamethrin (Decis 2.8 EC) @ 1 ml/l or malathion 50EC @ 1.5 ml/l</p> <p>(c) Growing of garlic as intercrop or boarder crop reduces the infestation.</p> <p><b>Bacterial wilt:</b> Soil drenching with 100 ppm of Streptomycin should be done.</p> <p><b>Fungal wilt:</b> Soil drenching with Captaf 0.3% should be done.</p> <p><b>White blight (white mould):</b> Spray Carbendazim 0.05% (0.5 g/l.)</p> <p><b>Nematodes:</b></p> <p>i) Sebuphos @ 0.6 g a.i. /m<sup>2</sup> against root knot nematode.</p> <p>ii) Seedling root-dip treatment in monocrotophos or Carbosulfan @ 0.05% for 6 hours.</p> <p>iii) Carbofuran or phorate 500 ppm for 30 minutes root dip treatment.</p> |
| 10      | <b>Expected yield</b>                         | Fruits ready for 1 <sup>st</sup> harvest at 65 DAT. Yields 10-12 tons/ha from a well managed crop.   |