

Package and practices of Onion

Varieties: Agrifound Light Red & NHRDF Red-2 (line355), Pusa Red, Pusa Madhvi, Pusa Riddhi ,NHRDF Red-3 (Line655)

Soil: To get the good yield sandy loam soil having sufficient organic matter is required. It can be well grown on light loam, deep fertile and fertile soil rich in organic matter.

Land preparation: One deep ploughing is required after that 2-3 ploughing of rotavator.

Climate: The ideal temp. of vegetative growth 12.8-23.0^oc for bulb development . It requires little higher temp. i.e. 20-25^oC.

Sowing time and seed rate: The seed generally sown in raised nursery bed. The surface beds should be smooth and well leveled .

- Oct.-Nov. best time for seed sowing 10-12 Kg. seed sufficient for one ha.
- Kharif May-June best time seed sowing 12-15 Kg./ha.

Seed treatment: Seed treatment with 3 gm Captan

Manure and Fertilizer: Application 20-25 tones of FYM/ha. In soil considered adequate. FYM should be applied one month before transplanting and mixed in the soil.

A dose of NPK(150:60:60:Kg/ha.) applied better bulb development. Whole quantity of phosphorus, potash and half nitrogen should be mixed in the before transplanting . Rest half doses of nitrogen should be given as top dressing in two equal split doses, first dose should applied at 30 days after transplanting whereas second dose at 45 days after transplanting .The top dressing must be completed before initiation of bulbing.

Transplanting: The best time of transplanting end Dec. to first week of January. Planting of 15x10cm spacing is considered to be the best.

Weed control: Weed control stomp @ 3.35 liter /ha. Just after transplanting

Irrigation: First irrigation after transplanting and their after 10 to 12 days interval

Disease: Purple blotch spray Dithane M-45 @ 0.25 % after mixing sendovit 1.0ML per liter of water.

Insect: Control Thrips spray Dimethoate 2ML per liter of water.

Harvesting: Mature in 100-120 days after transplanting . Average yield 300.400qt./ha.