

RADISH

Raphanus sativus L.

Variety:

Early: Pusa Deshi, Pusa Chetki and Pusa Himani

Late: Japanese White, Jaunpuri and Bombay Red **Description:**

Japanese White: Top medium large, leaf deeply cut, root about 20 to 30 cm long cylindrical, skin uniformly white, smooth flesh snow white, crisp, solid, mildly pungent; maturity 50-55 days.

Pusa Deshi: Root pure white, 30-35cm long tapering with green end, pungent; maturity 50-55 days; heavy yielder.

Pusa Chetki: Root medium large, stumpy, smooth, skin pure white, flesh tender, mildly pungent, weight 300-400 g each, maturity 50-60 days, yield 200-250 g/ ha, suitable for early sowing.

Pusa Himani : Semi-stump to taper with short tops, root 30-35cm in length and 10-12 cm in girth with green stem end skin pure white, flesh crisp and sweet flavoured with mid pungency; maturity in 55 days.

Soil: Well drained sandy loam rich inorganic matter with pH 5.5-6.8

Field preparation: Land should be prepared to a fine tilth and FYM to be applied.

Seed rate: 10 kg/ha (1.3 kg/bigha)

Time of sowing: August-September (Early varieties) October-November (Late varieties)

Seed treatment: Seeds should be treated with carboxin @ 2 g/kg seed

Spacing:

Directly sown either on ridges spaced at 45 cm or in flat beds with 20 cm row spacing and seedlings are thinned out to 10cm within rows 10-15 days after emergence.

Manure and fertilizer:

FYM @ 20 t, N 50 kg, P₂O₅ 50 kg and K₂O 100 kg/ha (2.6 t FYM, 14.7 kg Urea, 42.0 kg SSP, 22.7 kg MOP/bigha). Half of N and full doses of FYM, P₂O₅ and K₂O should be applied as basal and the remaining half of N to be top dressed at 30 days after sowing.

Interculture:

1. **Irrigation:** Field should be properly irrigated before ploughing and subsequent irrigations to be given once in every week depending upon soil condition.
2. **Weeding:** One weeding at 20 days after emergence

Plant protection:

Aphid: Spray Thiamethoxam 25 WG @ 26 g ai/ha. lambda cyhelothrin 5 EC @ 150 - 250 ml/ha.

Yield: 140-180 q/ha