

Teosinte (*Euchlaena maxicana*)

Varieties: Sirsa, TL 16, TL 2

Soil Type: Well drained sandy loam soil is preferable.

Land Preparation:

One ploughing by mould board plough followed by 4-5 harrowings and plankings are sufficient for land preparation. Stubbles and weeds are to be removed completely. Surface drains should be provided for immediate removal of excess water from the field.

Time of Sowing: April to June

Seed Rate: 40 kg/ha

Spacing : Row to row : 40 cm
Plant to plant : 15 cm

Manures and Fertilizers:

Apply compost or FYM @ 3-4 t/ha or 5-6 q/bigha.

Nutrient	Requirement (kg/ha)	Form	Fertilizer requirement	
			kg/ha	kg/bigha
N	60	Urea	132	18
P ₂ O ₅	30	SSP	188	25
K ₂ O	20	MOP	33	5

40 kg N, the whole of P₂O₅ and K₂O should be applied as basal dressing at the time of final land preparation and 20 kg nitrogen as top dressing after 40 days of sowing.

Interculture:

One weedings at 25-30 days of sowing is sufficient.

Irrigation:

Normally the rainy season crop does not require irrigation. When there is no rain and soil becomes dry the crop should immediately be irrigated. The first irrigation should be given before sowing of seeds to get optimum soil moisture for proper germination of seeds. Subsequent irrigation will depend upon rainfall.

Time of Cutting:

One cutting is to be taken at 70-80 days of sowing. To get optimum yield, teosinte should be cut at the silking stage.

Green Fodder Yield: 30 t/ha