

Package of Practices:

GARLIC (*Allium sativum* L)

Description

Garlic, a native of Southern Europe is one of the important bulb crops grown and used as a spice or condiment throughout India. Gujarat followed by Orissa are the largest producing states. It possesses a high nutritive value, its preparations are administered as a cure against stomach disease, sore eyes and ear ache. It is commonly used in the preparation of various dishes. Allicin, the principle amoebic dysentery and is also having many other medicinal properties.

Field preparation

Plough the land to a fine tilth and form ridges and furrows at 30 cm spacing or beds of convenient sizes.

Spacing

- a) Row to row 15cm
- b) Plant to plant 10cm

Seed treatment

Garlic seeds should be dip 1 hour with 3% Panchagavya, tacakavya, 4% Pseudomonas florasence, 4% Trichoderma viride, 4% Azospirillum and 4% Phosphobacteria solution and then dry it in shade.

Sowing time

last week of September to first week of October

Sowing method

Sow garlic cloves 3 to 5 cm deep keeping their growing heads upward. For sowing of garlic use **Kera method**.

Irrigation management

Irrigate before and after planting; life irrigation is given on third day of planting and at weekly intervals of time

Weed management

Weeding should be done on 30th and 60th after planting.

Fertilizer management –

During last ploughing incorporate 50 t/ha of FYM; Apply *Azospirillum* 2 kg and *Phosphobacteria* 2 kg/ha, 40:75:75 kg/ha NPK, 50 MgSO₄ and 1 ton neem cake as basal and N 35 kg/ha at 45 days after planting.

Disease and pest management –

Pests

Thrips

Thrips can be controlled by spraying Methyl demeton 25 EC 1 ml/lit.

Nematode

Nematode can be controlled by the application of Carbofuran 3 G 1 kg i.e./ha 30 days after planting.

Disease

Cloverot

Before planting treat the cloves with Carbendazim 2 g/kg.

Micro nutrient management

Apply 0.2 % Boron 0.1 % Sodium molybdate on 30th, 60th and 90th days after planting.

Harvesting

Turning of tops to yellowish or brownish colour and starts drying is the ideal harvest index for harvesting garlic