

Discipline: Horticulture

OFT: I.

- a. Title : Raising Chilli seedling in Protray
- b. Objectives : i) To minimize the seedling period in nursery
ii) Early establishment of transplanted seedling in field
iii) To increase the good quality of seedling
iv) To minimize the mortality of seedling
- c. Problem identified & its intensity system field. : Mortality of seedling observed at the transplanting time in drip irrigation
- d. Description of micro-farming situation : Rabi season from October to May. Humid climate, Medium black soil condition.
- e. Interventions planned : 1. Preparation of nursery site.
- f. Treatments : Raising of seedling on raise bed method
T1- Farmers practice: : 1. Use of plastic protray technology for raising chilli seedling.
T2- Recommended treatment : IIHR
- g. Source of technology : 5
- h. No. of farmers : 5
- f. Observations/parameters of study :
 - 1. Seed required per ha.
 - 2. No of pickings.
 - 3. Yield per hectare.

11). Results of On Farm Trial

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Chilli F1 Hybrid 4884	Irrigated	Mortality of Seedling observed in transplanting time in drip irrigation system field Excess seed/unit area required for raising hybrid chillies.	Raising Chilli seedling in Pro-trays	5	T1.Local practices. Raised bed method T2. Use of plastic portray technology for raising chilli seedling	Seed Rate gms/ha. Percent Survival No of pickings Yield q/ha	T1 – 240gr T2 - 165gr T1 – 73% T2 97% T1 - 6 T2 - 7 T1 – 132.2 T2 - 143.5	Survival of seedling is higher therefore Seed rate reduced by 31.25% First early picking 10days & one extra picking than the check 8.5 % increase in yield	Due to healthy seedling good establishment of crop within short period so receive early picking than raised bed method

Technology Assessed	Production	Cost of	Gross Return	Net Return	BC Ratio
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	Yield Qtl/ha	Production/ha	Rs/ha	(Profit) in Rs. /Ha	
11	12	13	14	15	16
1. Local Practice	132.2	175000	489140	314140	1 : 2.79
2. Treatment Use of Pro tray	143.5	175000	530950	355950	1 : 3.03

Selling rate for green chilli Rs. 37 /Kg