

OFT – 1 (F.Y. 2024-25)

Discipline: Horticulture

- Thematic area: IPM
- Problem definition/Name of OFT: Assessment of fruit bagging in Guava for quality improvement.

1.	Title of On farm Trial (OFT)	Assessment of fruit bagging in Guava for quality improvement.
2.	Problem diagnosed	Farmer cultivates guava for better price from a unit area and sale in distinct market for higher price. Farmer fetch inferior quality and lower marketability which is due to insect infestation and spots.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Control – Farmers’ Practice - No bagging T.O. I – Cellophane bag cover T.O. II – Paper bagging
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU Sabour
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	(i) Technical indicator (Fruit fly damage (%), Disease incidence (%), Physical damage, Fruit weight loss (%), Yield (Kg/acre)) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception
7.	Final recommendation for micro level situation	Cellophane bagging may be helping in improving fruit quality and better return to the farmer.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmers participated actively and motivated for Cellophane bag cover for their fruit quality and profitability.

Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed treatments	Area (ha)		Fruit fly damaged (%)	Diseases incidence (%)	Physical damaged (%)	Fruit wt. loss (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual									
IPM	Control – FP	0.4	0.4	55.73	45.49	37.70	4.00	66.08	65759.40	251122.24	185362.84	3.82
	T.O. I	0.4	0.4	5.5	6.4	6.9	2.71	177.52	100220.00	674576.00	574356.00	6.73
	T.O. II	0.4	0.4	6.25	6.7	8.7	3.67	158.51	104105.00	602338.00	498233.00	5.79

Please provide all the OFTs in same format Photographs in jpg. (Attach separately also with captions)