

OFT – 2 (F.Y. 2024-25)

Discipline: Plant Pathology

- **Thematic area: IPM**
- **Problem definition/Name of OFT: Management of Shoot and Fruit borer of Okra (*Earias vitella*)**

1.	Title of On farm Trial (OFT)	Management of Shoot and Fruit borer of Okra (<i>Earias vitella</i>)
2.	Problem diagnosed	Low yield due to borer infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Control – Farmers’ Practice - Spraying of Chlorpyriphos 20 EC T.O. I – Spraying of Emamectin Benzoate 5 SG @ 60 gram/acre T.O. II – Spraying of Flubendiamide 480 SC @ 40 ml/Acre T.O. III – Spraying of Nuvaluron 10 EC @ 200 ml/Acre
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Vegetable
5.	Production system and thematic area	Okra-Cauliflower-Summer Veg., IPM
6.	Performance of the Technology with performance indicators	(i) Technical indicator (Fruit infestation %), Yield per ha. (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception
7.	Final recommendation for micro level situation	T.O.III (Spraying of Nuvaluron 10 EC @ 200 ml/Acre)
8.	Constraints identified and feedback for research	Lack of knowledge of insect & insecticide.
9.	Process of farmers participation and their reaction	Farmers prospectives from Field visit & training.

Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed treatments	Area (ha)		Insect Incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual						
IPM	Control – FP	0.1	0.1	5.16	156.73	82660	233595	150935	2.82
	T.O. I	0.1	0.1	1.72	170.65	84890	255975	171085	3.02
	T.O. II	0.1	0.1	2.09	161.26	83570	241890	158320	2.89
	T.O. III	0.1	0.1	1.13	178.50	85480	267885	182405	3.13

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