

## OFT – 2 (F.Y. 2024-25)

Discipline: Horticulture

- Thematic area: Small Production System
- Problem definition/Name of OFT: Crop regulation in Guava (Allahabad Safeda)

1.	Title of On farm Trial (OFT)	<b>Crop regulation in Guava (Allahabad Safeda)</b>
2.	Problem diagnosed	Low yield of winter guava
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<b>Control – Farmers’ Practice</b> - Harvesting rainy season crops <b>T.O. I</b> – Single spray of 10% urea in bloom stage (In May) <b>T.O. II</b> – Two spray of urea 10% in bloom stage at 10 days interval (In April-May) <b>T.O. III</b> – Pruning of 50% length of current season shoot (In May)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR Research Complex, Palandu, Ranchi
5.	Production system and thematic area	<b>Small Production System</b>
6.	Performance of the Technology with performance indicators	(i) Technical indicator (Fruit weight (gm), Yield per Plant (Kg/plant), Yield (Kg/ha)) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception
7.	Final recommendation for micro level situation	Pruning of 50% length of current season shoot (In May) shows economical yield
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmers participated actively and motivated for pruning 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 weight (gm)	Yield per Plant (Kg/plant)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual							
SPS	Control – FP	0.4	0.4	152.29	25.89	103.56	98174.26	455651.38	357477.12	4.64
	T.O. I	0.4	0.4	192.63	32.75	130.99	100437.88	576340.82	475902.95	5.74
	T.O. II	0.4	0.4	178.56	30.36	121.42	101985.45	534266.18	432280.73	5.24
	T.O. III	0.4	0.4	212.23	36.08	144.32	104557.36	634987.46	530430.10	6.07

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