

OFT-3

1.	Title of On farm Trial	Control of Red Pumpkin Beetle in Bottle Guard by using different control measures.
2.	Problem diagnosed	Damage of Bottle Guard due to severe attack of Red Pumpkin Beetle
3.	Details of technologies selected for assessment/refinement	Farmers practice: Foliar application of ash Technology Option-I: Dusting of 2% Methyl Parathion Dust on leaves @ 12 kg./ha. Technology Option-II: spraying of Chloropyrifos 20 EC @2ml./it. Water.
4.	Source of Technology	Research Journal
5.	Production system and thematic area	Rice – Vegetables, Pest management
6.	Performance of the Technology with performance indicators	Technology option –II showed best result in relation to the yield of fresh veg. efficiency of control the pest and B:C ratio.
7.	Final recommendation for micro level situation	It is may be recommended that the Technology option –II may be accepted for control of the pest and better fresh yield and income
8.	Constraints identified and feedback for research	Lake of knowledge about the appropriate pesticide & its dose, more research needed for refinement
9.	Process of farmers participation and their reaction	Collaborative, Farmers are happy with the performance of recommended practice

Thematic area: Pest Management

Problem definition: Damage of Bottle Guard due to severe attack of Red Pumpkin Beetle

Technology assessed: **Farmers practice:** Foliar application of ash
Technology Option-I: Dusting of 2% Methyl Parathion Dust on leaves @ 12 kg./ha.
Technology Option-II: spraying of Chloropyrifos 20 EC @2ml./it. Water.

Table: Table: 3 Performance of different assessed technology to Control of Red Pumpkin Beetle in Bottle Guard

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		% of Pest index	% of Efficacy of Treatments	% of more yield than Farmers Practice					
FP: Foliar application of ash	10	58.380	13.800		179.310	66800.00	89655.00	22855.00	1.34
T1: Dusting of 2% Methyl Parathion Dust on leaves @ 12 kg./ha.	10	26.000	58.360	39.73	250.550	72300.00	125275.00	52975.00	1.73
T2: spraying of Chloropyrifos 20 EC @2ml./it. Water.	10	13.490	85.210	65.64	297.010	75700.00	148505.00	72805.00	1.96
SEm(±)	3.6	5.6			9.6				
CD (5%)	6.24	9.71			16.65				

Results: **Result:** The Technology option II showed better result in respect to controlling the pest by. 85.21% followed by Technology option I and Farmers Practice i.e. 58.36% and 13.8%. The yield and B.C Ratio were also highest in Technology option II in comparison to Technology option I and Farmers Practice (Table – 3).