

OFT-2

1.	Title of On farm Trial	Control of Sheath Blight of Aman Paddy by using different control measures
2.	Problem diagnose	Low production/Full damage of Aman Paddy due to severe attack of Sheath Blight
3.	Details of technologies selected for assessment/refinement	Farmers practice: Foliar application of mancozeb Technology Option-I: spraying of Carbendazim 50% wp @ 1gm. + Validamycin 3% L @ 1ml / lt. water Technology Option-II: spraying of <i>Trichoderma viridi</i> 1.15 % wp @ 3 gm. + <i>Pseudomonas fluorescense</i> 0.5 WP @ 1gm. / lt. water
4.	Source of Technology	ICAR research
5.	Production system and thematic area	Rice – Potato-Vegetables
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	It is may be recommended that the Technology option –II may be accepted for control of the pest and better fresh yield and income
9.	Process of farmers participation and their reaction	Collaborative, Farmers are happy with the performance of recommended practice

Thematic area: Disease management

Problem definition: **Low production/Full damage of Aman Paddy due to severe attack of Sheath Blight**

Technology assessed: Fungicide and antibiotic application for control the disease.

Table:2 Performance of yield and Control of sheath blight in paddy of Aman paddy through different control measures in kharif season

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
		Av. No. of fresh fruit / Plant	% of pest infestation	% of more yield than Farmers Practice					
Farmers practice: Foliar application of mancozeb	10	-	58.97	13.76	11.7	32.69	33200.00	39228.00	
Technology Option-I: spraying of Carbendazim 50% wp @ 1gm. + Validamycin 3% L @ 1ml / lt. water	10	-	10.06	79.25	8.4	41.75	35400.00	50100.00	
Technology Option-II: spraying of <i>Trichoderma viridi</i> 1.15 % wp @ 3 gm. + <i>Pseudomonous fleorescens</i> 0.5 WP @ 1gm. / lt. water	10	-	23.90	55.41	10.3	35.99	34800.00	43188.00	
SEM±		-	4.0192		0.8339				
CD at 5%		-	8.95		0.19				

Results: Technology option I shows better performance in respect to control the sheath Blight of Paddy i.e. 79.25% followed by Technology option II i.e. 55.41%