

**Details of the
Best OFTs conducted
during last year along with action
photographs
2021-22**

OFT Title	Assessment of different Sweetcorn varieties in upland Rainfed condition.
No. of Trials & Area	07, 0.4 ha
FP	Cultivation of Sweetcorn variety-Madhuri.
TO- 1	Variety- VL Sweet corn 1(FSCH18)
TO-2	Variety-Pusa Super Sweet corn-1
Characteristics of technology	VL Sweet corn 1-Enhanced sweetness with grain yield (10.8t/ha) Pusa Super Sweet Corn-1- Enhanced sweetness with a good grain (9.3t/ha) and fodder 16.2 (t/ha)



RESULTS	Cob length(cm)	Cob diameter(cm)	Yield (q/ha)	% change in Yield	Net Income (Rs./ha)	BC Ratio
FP	10.157	2.28	92.2		1,00,393	2.3
TO-1	10.72	2.57	115.24	24.9	1,50,920	3.3
TO-2	11.28	2.65	133.01	44.2	1,81,040	3.6
CD(5%)	0.111	0.102	0.24	-	-	-

OFT Title	Assessment of novel insecticides for management of rice stem borer.
No. of Trials & Area	07, 0.4 ha
FP	Application of Cartap Hydrochloride @ 10 kg/Acre at 15 DAT
TO- 1	Nursery soil reatment with chlorantraniliprole 0.4 G @ 0.4kg/10 cent before 7 days of uprooting of seedlingcent+ application of 0.4G @ 10kg/ha at 20 DAT + Spraying of Cartap hydrochloride 50 SP @ 750 g/ha at 50 DAT
TO-2	Same as T O₁ except spraying with chloran traniliprole in place of cartap at 50 DAT
Problem diagnosed	Severe infestation of rice stem borer during nursery and transplanting stage.



RESULTS	% of dead hearts,	% of white ear heads.	No. of Damaged Plant/m2	Yield (q/ha)	% change in Yield	Net Income (Rs./ha)	BC Ratio
FP	11.07	7.42	4	39		41440	1.8
TO-1	1.17	02	1.42	48	18.75	56080	2.1
TO-2	0	0	0	49.5	21.2	59020	2.5
CD(5%)	0.13	0.52	0.34	0.76	-	-	-

OFT Title	Assessment of Application of growth regulator in chilli
No. of Trials & Area	07, 0.4 ha
FP	No application of growth regulator
TO- 1	Spray of NAA @ 10 ppm at 60 and 90 days after planting reduce flower drop and increased fruit set
TO-2	Spray of Triacontanol @ 1.25ml/liter at 40 , 60 and 80th days of planting reduce flower drop and increased fruit set
Problem diagnosed	Low yield due to heavy flowers fruit drop



RESULTS	No.of fruits/plant	Yield (q/ha)	% change in Yield	Net Income (Rs./ha)	BC Ratio
FP	67	89.4	-	1,02,500	1.8
TO-1	81.4	105.42	17.97	1,42,500	2.0
TO-2	92.4	113.85	26.96	1,52,500	2.17
CD(5%)	0.855	3.090	-	-	-