

**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	<b>VL Sweet corn 1-Enhanced sweetness with grain yield (10.8t/ha)</b> <b>Pusa Super Sweet Corn-1- Enhanced sweetness with a good grain (9.3t/ha) and fodder 16.2 (t/ha)</b>



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	<b>Assessment of novel insecticides for management of rice stem borer.</b>
No. of Trials & Area	<b>07, 0.4 ha</b>
FP	<b>Application of Cartap Hydrochloride @ 10 kg/Acre at 15 DAT</b>
TO- 1	<b>Nursery soil treatment 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</b>
TO-2	<b>Same as T O 1 except spraying with chloran traniliprole in place of cartap at 50 DAT</b>
Problem diagnosed	<b>Severe infestation of rice stem borer during nursery and transplanting stage.</b>



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

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



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