

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

2022-23

OFT Title		Assessment of Medium duration High Yielding Rice varieties
No. of Trials & Area		07, 0.4 ha
FP		Rice variety - Pooja
TO- 1		Rice variety CR-317
TO-2		Rice variety CR-319
Characteristics of technology		CR- 317 : Irrigated, Resistant to BPH, tolerant to leaf folder, Gundi bug, WBPH, Duration: 135-140 days. CR -319: Irrigated Duration: 140 days ,highly tolerant to stemborer, leaf folder, rice thrips, moderate tolerant to BPH and other plant hopper yield: 6.0 t/ha



Observation to be taken.	No of tillers/plant	Yield (q/ha)	% change in Yield	Net Income (Rs./ha)	BC Ratio
FP	9.81	40.02	-	48,540	1.3
TO-1	11.42	44.6	10.9	58,200	1.6
TO-2	14.85	50.8	26.9	71,600	2.04
CD(5%)	1.73	2.737	-	-	

OFT Title	Assessment of Onion Varieties of Rabi Season
No. of Trials & Area	07 , Amthapada
FP	Cultivation of Agri found light red
TO- 1	Cultivation of Onion variety: NHRDF Red-3
TO-2	Cultivation of Onion variety: NHRDF Red-4
Characteristics of technology	<p>NHRDF Red-3: Bulbs are light bronze color, globular round shape, bulb diameter 5.5-6.0 cm. Bulb mature in 120-130 days after transplanting.</p> <p>NHRDF Red-4: Bulb are dark red in colour globular round in shape, thin neck and 5.5-6.25 cm in diameter. Bulb matures in 110-120 days after transplanting. Keeping quality is also good.</p>



Observation to be taken.	Bulb Diameter in CM	Yield (q/ha)	% change in Yield	Net Income (Rs./ha)	BC Ratio
FP	7.2	204	-	17,6000	2.3
TO-1	11.4	247	21	2,40,500	2.8
TO-2	10.07	238	16	2,27,000	2.7
CD(5%)	1.4	7.0	-	-	-

OFT Title	Assessment of combine insecticides for management of major insect pest of rice
No. of Trials & Area	07 (0.5ha), Manupalli, Khuntiapada
FP	Farmers are applying single pesticide for management of individual pest ,which is not cost effective.
TO- 1	Application of Flubendiamide240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH
TO-2	Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH
Characteristics of technology	Application of Flubendiamide240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH. Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH.



RESULTS	Yield (q/ha)	% Change in Yield	No of dead heart / mt2	No of BPH/WBPH/Hill	% of leaf folder infestation/m2	Net Return (Rs.)	BC
T0	34.5	-	5	145	17	39,000	1.8
T ₁	42.5	18.8	0	09	2	52,000	2.57
T2	42.8	19.3	1	0	0	52,600	2.59