

**Details of the
Best OFTs conducted
during last year along with
action photographs
2023-24**

OFT Title	Assessment of Onion Varieties of Rabi Season
No. of Trials & Area	07, 0.4 ha
FP	Cultivation of farmer own variety
TO- 1	Cultivation of Onion variety: NHRDF Red-3
TO-2	Cultivation of Onion variety: NHRDF Red-4
Characteristics of technology	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.
	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.



Observation to be taken.	Bulb wt. in Gm	Yield (q/ha)	% change in Yield	Cost of cultivation (Rs./ha)	Net return (Rs./ha)	B:C
FP	107.85	219	-	112000	1,50,800	2.34
TO-1	158.57	284.28	29	118000	223000	2.89
TO-2	132.85	253.57	15	117000	187784	2.60

OFT Title	Assessment of Chilli variety of Rabi Season for tolerance to leaf curl virus
No. of Trials & Area	07, 0.5 ha
FP	Cultivation of Chilli variety Kalasa
TO- 1	Arka Tanvi: Resistance to Powdery mildew, Root Knot Nematodes and ChLCV. Yield Potential is 75-90 qt/ha for dry chilli and 250qt/ha Green chilli
TO-2	Arka Sanvi: Resistance to Leaf curl virus. Yield potential is : 75-90 qt/ha for dry chilli and 250qt/ha Green chilli
Characteristics of technology	Arka Tanvi: Suitable both for green and dry purpose. Resistance to Powdery milde, Root Knot Nematodes and resistant to ChLcv. Yield Potential is : 75-90 qt/ha for dry chilli and 250qt/ha Green chilli
	Arka Sanvi: Suitable both for green and dry purpose. Resistance to Leaf curl virus. Yield potential is : 75-90 qt/ha for dry chilli and 250qt/ha Green chilli.



Observation to be taken.	No of fruits/Plants	Yield (q/ha)	% change in Yield	Cost of cultivation (Rs./ha)	Net return (Rs./ha)	B:C
FP	69.42	108	-	1,50,000	1,74,000	2.16
TO-1	96.14	130	20.37	1,70,000	2,20,000	2.29
TO-2	117.71	135	25.0	1,70,000	2,35,000	2.38

OFT Title	Assessment of Production of Paddy Straw Mushroom From Crumpled Straw
No. of Trials & Village	07, Durgaprasad, Rampur, Ramgarh
FP	Production of paddy straw mushroom from bundle straw in rainy season
TO- 1	Production of paddy straw mushroom from crumpled paddy straw from bullock treading/tractor treading.
TO-2	Production of paddy straw mushroom from crumpled straw (axial flow thresher)
Characteristics of technology	Mushroom cultivation in crumpled paddy straw for its economic utilization, pin head initiation (10 days) first plucking in (13 days), Biological efficiency (7%)



Parameters Technology options	Production/unit (Kg/Bed)	Cost of substrate (Rs./Bed)	Biological Efficiency (%)	Cost of Production (Rs/Bed)	Gross Return (Rs/Bed)	Net Return (Rs/Bed)	B:C ratio
FP	1.0	20	10	65	140	75	2.1
TO₁	0.92	9	9.2	49	128	79	2.61
TO₂	0.88	6	8.8	42	123.20	81.20	2.93