

Details of the
Best **OFTs** conducted
during last year along with action
photographs
2019-20

Details of the Best OFT Conducted

During 2019-20

OFT Title	Assessment of Triple disease resistant tomato hybrid Arka Rakshak & Arka Samrat during Rabi Season						
Season & Year	Rabi- 2019-20		No. of Trials & village	07(0.5 ha), Khuntiapada,Rampur			
Crop / commodity	Tomato		Farming Situation	Medium and Irrigated Land. (Paddy-Vegetable)			
Problem diagnosed	Unavailability of Wilt Resistant Variety.						
FP	Use of HYV Laxmi						
TO- 1	Arka Rakshak	Source: ICAR- IIHR,BENGALURU,2016					
TO -2	Arka Samrat	TO-1, Arka Rakshak First F1 hybrid with triple disease resistant to ToLCV, BW and early blight. Fruits square round, large(90-100g), deep red coloured and firm. Suitable for fresh market and processing. Yield: 75-80 t/ha. in 140 days. Seed 100g/ha. Transplanting at a spacing of 90*60 cm.					
Characteristics of technology	TO-2, Arka Samrat First F1 hybrid with triple disease resistant to ToLCV, BW and early blight. Fruits oblate to high round, large(90-100g), deep red and firm. Suitable for fresh market. Yield: 80-85 t/ha in 140 days.						
RESULT S	No. of fruits/plants	Yield (q/ha)	% change in Yield	Net Income (Rs./ha)	BC Ratio		
FP	27.6	283.6	-	76,400	1.5		
TO-1	43.2	477.9	40.67	2,31,600	2.5		
TO-2	35.4	351.3	19.37	1,30,800	1.8		



Tomato var: Arka rakshya, Arka Samrat

