Best OFT 2016-17

OFT--1

Title	Assessment of potato varieties		
Crop & Variety	Potato, Kufri Surya		
Season & Year	Rabi, 2016-17		
Problem	Small size tuber , low yield, low profit from local cultivar		
Farmers Practices	T1-Cultivation of Kufri Lalima		
Detail of Technology Demonstrated	T2-Cultivation of Kufri jyoti T3- Kufri surya along with recommended package of practice, seed treatment with Azotobacter, Soil test based fertilizer, need based plant protection measures		
Recommendation	CPRI, Shimla, 2006		
Characteristic of technology/variety	Yield potential 250-300q/ha, early variety duration-75 days, heat tolerant, good cooking quality, good appearance		
Area (ha)	0.06 ha	No. of demo-5	Farming situation	Irrigated medium land

Results	Yield (q/ha)	% change in Yield	No. of tuber/plant	Individual tuber wt.	Cost of cultivation	Avg. Gross return(Rs.)	Net Income (Rs./ha)	BC Ratio
T1	163.8	27.2	3.5 nos.	87.2 gm	34700	81900	47200	2.3
T2	208.5		4.02 nos.	119.5 gm	42800	104250	61450	2.43
T3	238.2	45.4	4.4 nos.	137.0 gm	42800	119100	76300	2.78

OFT--2

Title	Assessment of Herbicide Imizathapyr as post emergence application in Groundnut			
Crop & Variety	Groundnut, devi			
Season & Year	Rabi, 2016-17			
Problem	Low yield due to heavy weed infestation			
Farmers Practices	T1- Manual Weeding			
Detail of Technology Demonstrated	T2-Use of post emergence herbicide Imizathapyr 10%SL@0.075kg/ha 20 DAS.			
Recommendation	OUAT-2012			
Characteristic of technology/variety	Post emergence herbicide Imizathapyr 10%SL@0.075kg/ha 20 DAS control of weed in groundnut..			
Area (ha)	1 ha	No. of demo- 13	Farming situation	Rainfed medium land

Results	Yield (q/ha)	% change in Yield	No of pods per plant	WCE%	Cost of cultivation	Avg. Gross return(Rs.)	Net Income (Rs./ha)	BC Ratio
T1	16.5	25.45	17	84.5	34800	66000	31200	1.89
T2	20.7		21		35940	82800	46860	2.30

OFT-3

Title	Assessment of performance of bullock drawn groundnut digger			
Crop & Variety	Groundnut, Devi			
Season & Year	Kharif, 2016			
Problem	Unavailability of labour and high wages of labour for digging groundnut			
Farmers Practices	T1- Manual digging			
Detail of Technology Demonstrated	T2- bullock drawn groundnut digger			
Recommendation	AICRP on Utilization of Animal Energy , CAET, OUAT, 2014			
Characteristic of technology/variety	width of operation 20 cm and depth of operation 4 inch, field capacity 15 hrs/ac			
Area (ha)	0.8 ha	No. of demo-5	Farming situation	Rainfed medium land

Results	Yield (q/ha)	% change in Yield	Avg. field capacity ha/hr	Cost of cultivation	Avg. Gross return(Rs.)	Net Income (Rs./ha)	BC Ratio
T1	17.14	-	0.008	35180	68560	33380	1.94
T2	17.14		0.027	32680	68560	35880	2.09

OFT--4

Title	Assessment of performance of tractor drawn seed cum fertilizer drill in groundnut			
Crop & Variety	Groundnut, Devi			
Season & Year	Rabi, 2016-17			
Problem	Dropping groundnut seeds behind the plough is a tedious and time consuming job			
Farmers Practices	T1-Putting groundnut seeds behind the plough by hand			
Detail of Technology Demonstrated	T2- Tractor drawn seed cum fertilizer drill			
Recommendation	Commercial tested at CAET, O.U.A.T., 2012			
Characteristic of technology/variety	Eleven row seed cum fertilizer drill, drawn by more than 35 HP tractor, row to row spacing is adjustable, maintaining row to row spacing leads to easy inter cultural operation			
Area (ha)	1 ha	No. of demo- 13	Farming situation	Irrigated medium land

Results	Yield (q/ha)	% change in Yield	Avg. field capacity ha/hr	Cost of cultivation(Rs./ha	Avg. Gross return(Rs/ha)	Net Income (Rs./ha)	BC Ratio
T1	19.4	12.37	0.066	35211	77600	42389	2.2
T2	21.8		0.4	33961	87200	53239	2.56

OFT--5

Title of on-farm trials	Assessment of paddy straw mushroom strain OSM-11 & 12
Season & Year	Kharif , 2016
Number of trials	15 (300 nos. bed)
Problem diagnose	Low yield of paddy straw mushroom V. Volvacea in peak summer
Farmers Practices	T1- Cultivation of paddy straw mushroom V. volvacea
Details of technology selected	T2: Cultivation of paddy straw mushroom strain OSM-11 T3: Cultivation of paddy straw mushroom strain OSM-12
Recommendation	AICRP on mushroom, OUAT , 2013-14
Characteristic of technology/ variety	OSM-11 black colour, bio-efficiency of substrate -15% OSM-12 grey colour, bio-efficiency of substrate -13%
Farming situation	Home stead

Treatments	Production per unit	Fruit wt (gm)}	Cost ofinput (Rs)	Incremental income (Rs)	Yield (Kg/bed)	Net Return (Rs)	Saving in Rs	BC ratio
T1	10 kg	20	500	1200	1.0kg/bed	700	--	2.4
T2	12 kg	22.21	500	1440	1.2 kg/bed	940	240	2.88
T3	11 kg	21.45	500	1320	1.1 kg/bed	820	120	2.64