## Best OFT 2016-17

Title			Assessment of potato varieties						
Crop & Variety			Potato, Kufri Surya						
Season & Year			Rabi, 2016-17	1					
Problem			Small size tu	ber , low yi	ield, low prof	it from local o	cultivar		
Farmers	Practice	es ·	T1-Cultivation	of Kufri Lali	ma				
Detail of	Technol	ogy	T2-Cultivation of	of Kufri jyoti					
Demonstr	rated		•		recommended		-		
			treatment with Azotobacter, Soil test based fertilizer, need based plant						
			protection measures						
Recomme			CPRI, Shimla, 2006						
Characte			Yield potential 250-300q/ha, early variety duration-75 days, heat tolerant,						
technolog	gy/variet	y	good cooking quality, good appearance						
Area (ha)	)		0.06 ha No. of demo-5 Farming situation Irrigated medium land						
				ON FARM TESTING I					
Results   Yield   % change			No. of	Individual	Cost of	Avg. Gross	Net Income	BC	
	(q/ha)	in Yield	tuber/plant	tuber wt.	cultivation	return(Rs.)	(Rs./ha)	Ratio	
T1 1	163.8	27.2	3.5 nos.	87.2 gm	34700	81900	47200	2.3	
T2 2 T3 2	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	

							O	FT2	
Title	Title Assessment of Herbicide Imizathapyr as post emergence application Groundnut							on in	
Crop &	Crop & Variety Groundnut, devi								
Season d	Season & Year Rabi, 2016-17								
Problem	ı	Low	yield due t	o heavy w	eed infestation				
Farmers	s Practice	es T1-	<b>Manual We</b>	eding					
Detail of Demons	f Technol trated	ogy T2-U	T2-Use of post emergence herbicide <u>Imizathapyr 10%SL@0.075kg/ha</u> 20 DAS.						
Recomn	nendation	OUA	OUAT-2012						
	eristic of ogy/variet		Post emergence herbicide Imizathapyr 10%SL@0.075kg/ha 20 DAS control of weed in groundnut						
Area (ha	a)	1 ha	1 ha No. of demo- 13 Farming situation Rainfed medium land						
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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	
<b>T1</b>	16.5		17		34800	66000	31200	1.89	

25.45

**T2** 

20.7

21

84.5

35940

82800

46860

2.30

Assessment of performance of bullock drawn groundnut dis								
Crop & Variety	Ground	Groundnut, Devi						
Season & Year	Kharif, 2	Kharif, 2016						
Problem	Unavailability of labour and high wages of labour for digging groundnut							
<b>Farmers Practices</b>	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 mediu								





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

2.56

53239

					OF14		
	Assessment of performance of tractor drawn seed cum fertilizer drill in groundnut						
Ground	dnut, Devi						
Rabi, 20	016-17						
		t seeds behind	the plough is a	tedious and time	9		
T1-Putt	ting groundnu	ut seeds behin	d the plough by	hand			
T2- Tract	T2- Tractor drawn seed cum fertilizer drill						
Comme	Commercial tested at CAET, O.U.A.T., 2012						
Eleven	Eleven row seed cum fertilizer drill, drawn by more than 35 HP tractor, row						
1	to row spacing is adjustable, maintaining row to row spacing leads to easy inter cultural operation						
1 ha	No. of den	no- 13 Farm	ning situation	Irrigated mediu	m land		
nange	Avg. field	Cost of	Avg. Gross	<b>Net Income</b>	BC		
Yield ca	pacity ha/hr	cultivation(	return(Rs/ha)	(Rs./ha)	Ratio		
		Rs./ha					
	drill in Ground Rabi, 2 Droppi consun T1-Putt T2-Trac  Comme Eleven to row inter cu 1 ha	drill in groundnut Groundnut, Devi Rabi, 2016-17 Dropping groundnut consuming job T1-Putting groundnut T2- Tractor drawn seed  Commercial tested a Eleven row seed cur to row spacing is adj inter cultural operat 1 ha No. of den  No. of den  Avg. field	drill in groundnut  Groundnut, Devi  Rabi, 2016-17  Dropping groundnut seeds behind consuming job  T1-Putting groundnut seeds behind T2- Tractor drawn seed cum fertilizer drill to row spacing is adjustable, main inter cultural operation  1 ha No. of demo- 13 Farm  hange Avg. field Cost of	drill in groundnut  Groundnut, Devi  Rabi, 2016-17  Dropping groundnut seeds behind the plough is a consuming job  T1-Putting groundnut seeds behind the plough by T2- Tractor drawn seed cum fertilizer drill  Commercial tested at CAET, O.U.A.T., 2012  Eleven row seed cum fertilizer drill, drawn by more to row spacing is adjustable, maintaining row to row inter cultural operation  1 ha No. of demo- 13 Farming situation  No. of demo- 13 Farming situation	drill in groundnut  Groundnut, Devi  Rabi, 2016-17  Dropping groundnut seeds behind the plough is a tedious and time consuming job  T1-Putting groundnut seeds behind the plough by hand  T2- Tractor drawn seed cum fertilizer drill  Commercial tested at CAET, O.U.A.T., 2012  Eleven row seed cum fertilizer drill, drawn by more than 35 HP tractor row spacing is adjustable, maintaining row to row spacing leads inter cultural operation  1 ha No. of demo- 13 Farming situation Irrigated mediu  Avg. field Cost of Avg. Gross Net Income		

33961

**87200** 

0.4

**T2** 

21.8

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	T2: Cultivation of paddy straw mushroom strain OSM-11
selected	T3: Cultivation of paddy straw mushroom strain OSM-12
Recommendation	AICRP on mushroom, OUAT , 2013-14
Characteristic of	OSM-11 black colour, bio-efficiency of substrate -15%
technology/ variety	OSM-12 grey colour, bio-efficiency of substrate -13%
Farming situation	Home stead







Treatments	Productio n 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	<b>12</b> kg	22.21	500	1440	1.2 kg/bed	940	240	2.88
Т3	11 kg	21.45	500	1320	1.1 kg/bed	820	120	2.64