BEST FLD 201-17

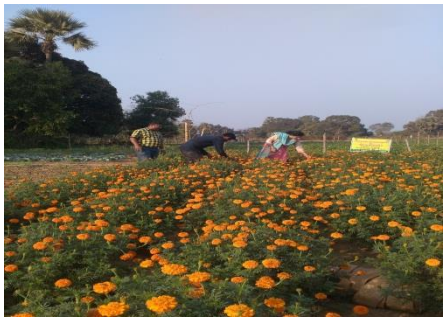
FLD-1

Title	Demonstration of Pre-limed FYM inoculated with Biofertilizer in Cauliflower.			
Crop & Variety	Cauliflower, Megha			
Season & Year	Rabi, 2016-17			
Problem	Low yield due to soil acidity & improper nutrient management.			
Thematic Area	INM			
Farmers Practices	No use of Lime & Biofertilizer,			
Detail of Technology Demonstrated	Application of 5kg of lime mixed with 100kg of FYM and inoculated with 3kg of azotobacter,3kg PSB &3kg azospirillum with soil test based fertilizer			
Recommendation	OUAT, 2010			
Area (ha)	1 ha	No. of Demo- 5	Farming situation	Irrigated medium land

Results	Yield (q/ha)	% change in Yield	cost of cultivation (Rs/ha)	Gross return (Rs./ha)	Net Income (Rs/ha)	BC Ratio**
T1	197.3	28.58	51300	98650	47350	1.92
T2	253.7		62500	126850	64350	2.02

FLD-2

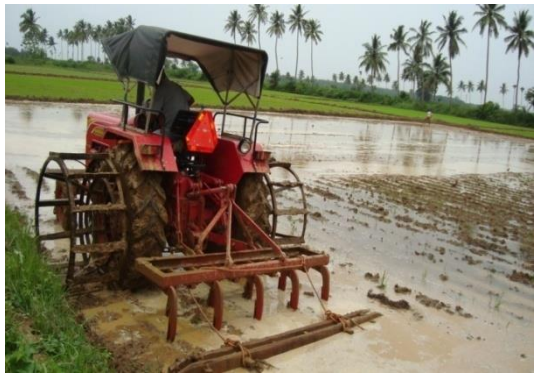
Title	Demonstration on INM in marigold (var. Serakole)			
Crop & Variety	Marigold, Serakole			
Season & Year	Rabi, 2016-17			
Problem	Low yield, inferior quality, low keeping quality of marigold due to traditional method of cultivation			
Thematic Area	INM			
Farmers Practices	Seed sowing without seed treatment , imbalanced fertilizer application without bio-fertilizer			
Detail of Technology Demonstrated	Seed treatment with Azotobactor 25gm/kg of seed RDF(80:80:80) Kg NPK/ha, FYM 10 ton/ha +sea weed extract 25kg/ha			
Recommendation	OUAT, 2006			
Area (ha)	0.2 ha	No. of Demo- 5	Farming situation	

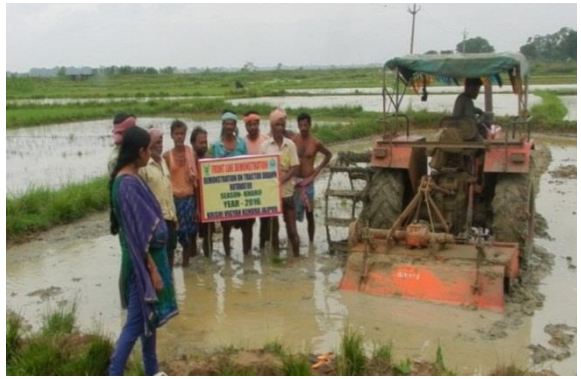


Results	Yield (q/ha)	% change in Yield	No. flower/plant	Wt. of individual flower	cost of cultivation (Rs/ha)	Gross return (Rs./ha)	Net Income (Rs/ha)	BC Ratio**
T1	94.0		75.2	5.1 gm	38600	112800	74200	2.92
T2	134.0	42.5	86.1	7.2 gm	46800	160800	116600	3.43

FLD-3

Title	Demonstration on use of tractor drawn rotavator			
Crop & Variety	Tractor drawn rotavator			
Season & Year	Kharif, 2016			
Problem	Proper land preparation is not done by use of tractor drawn cultivator			
Thematic Area	Farm Mechanization			
Farmers Practices	use of tractor drawn cultivator			
Detail of Technology Demonstrated	Drawn by more than 35HP tractor, 4 feet wide			
Recommendation	Commercial, tested at C.A.E.T., O.U.A.T.			
Area (ha)	1 ha	No. of Demo- 5	Farming situation	

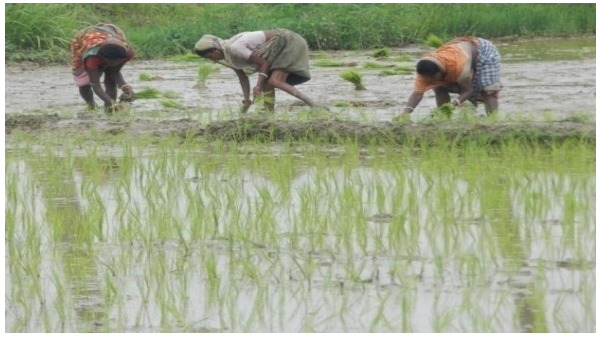


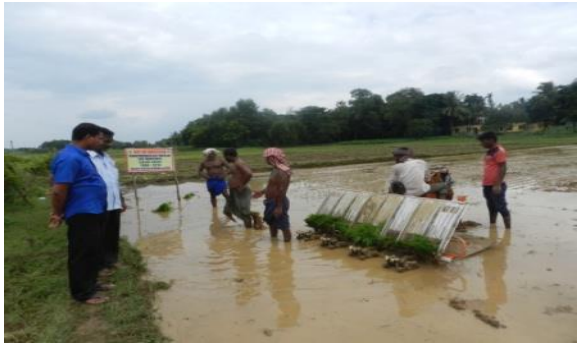


Results	Yield (q/ha)	% change in Yield	Field capacity ha/hr	Puddling index	cost of cultivation (Rs/ha)	Gross return (Rs./ha)	Net Income (Rs/ha)	BC Ratio**
T1	48.8		0.52 ha/hr	41.8	30362	65907	35545	2.17
T2	49.8	-	0.52 ha/hr	63	28112	66884	38772	2.37

FLD-4

Title	Demonstration on Self propelled rice transplanter			
Crop & Variety	Paddy, Swarna			
Season & Year	Kharif, 2016			
Problem	Manual transplanting of paddy is labour intensive and time consuming work			
Thematic Area	Farm Mechanization			
Farmers Practices	Manual transplanting			
Detail of Technology Demonstrated	Transplant paddy in 8 rows in a single pass . Average field capacity is 0.16 ha/hr			
Recommendation	Commercial tested at CAET, OUAT, 2012			
Area (ha)	1 ha	No. of Demo- 5	Farming situation	Irrigated medium land





Results	Yield (q/ha)	% change in Yield	Labour requirement mandays/ha	cost of cultivation (Rs/ha)	Gross return (Rs./ha)	Net Income (Rs/ha)	BC Ratio**
T1	44.5		36 mandays/ha	31292	60075	28785	1.92
T2	49.7	11.68	3 mandays/ha	28167	67041	38876	2.38

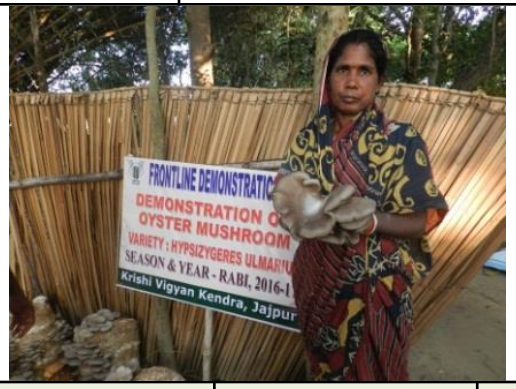
FLD-5

Title	Demonstration on poultry var. Palishree			
Crop & Variety	Poultry			
Season & Year	Kharif, 2016-17			
Problem	Less Egg & meat Production From Local bird			
Thematic Area	LPM			
Farmers Practices	Local bird			
Detail of Technology Demonstrated	Good quantity and quality of meat production in backyard rearing, acceptable growth rate and egg laying capacity			
Recommendation	College of veterinary Science & AH, OUAT, BBSR 2016			
Area (ha)	375 nos.	No. of Demo- 15	Farming situation	Home stead

Results	Avg. growth	Avg. dressing %	cost of cultivation (Rs/unit)	Gross return (Rs./unit)	Net Income (Rs/unit)	BC Ratio**
T1	1.9 kg/3 month	75	1500 (Rs. 60/bird for 3 month	5700 (Rs. 120/kg)	4200	3.8
T2	2.6 kg/3 month	83	1750	7800	6050	4.45

FLD-6

Title	Demonstration of Oyster Mushroom variety Hypsizygous ulmarius		
Crop & Variety	Oyster Mushroom, Hypsizygous ulmarius		
Season & Year	Rabi, 2015-16		
Problem	Low yield from P.*sajarcaju* during later part of winter due to low temperature		
Farmers Practices (FP)	Oyster Mushroom P.*sajarcaju*		
Detail of Technology Demonstrated (RP)	Cutting of straw into 2inch,soaking for 8-10 hr, and sterilization, spawning of mushroom bed		
Recommendation	DMR Solan, 2008		
No. of unit	100 bed	No. of Demo- 10	



Results	Avg. fruit wt. of mushroom (gm)	Avg. Yield/unit(kg)	Gross cost (Rs)	Gross income (Rs)	Saving in (Rs)	Net return (Rs.)	BC ratio
T1	32	18.5	300	1110	480	810	3.7
T2	160	26.5	300	1590		1290	5.3