OFT Details- 2019

Title of On Farm Trial	Problem diagnosed	Details of technologies selected for assessment/refinement	Source of Technology
Assessment on performance of green gram var. IPM 02-14 with different date of sowing	Low growth rate and yield of green gram during sowing 4th week of Dec	Assessment FP: Seed @20kg/ha, seed treatment & inoculation, sowing 4th week Dec TO_1:Seed @20kg/ha, seed treatment & inoculation, line sowing 2nd week Jan TO_2:Seed @20kg/ha, ST& inoculation, line sowing 4th week Jan FP: Seed @20kg/ha, seed treatment & inoculation, sowing 4th week Dec	OUAT,2016
Assessment of short duration high yielding Pigeon pea varieties	Low yield from local variety Unavailability of short duration variety	Variety-PRG 176 Variety-BRG 4 Variety- Rajeev Lochan	ICRISAT, Hyderabad, 2016 UAS, Bangalore ,2014, IGKV, Raipur 2011
Assessment of "*SEEDPRO"(Microbial plant growth promoter)* against *Fusarium* wilt of Tomato.	Poor yield due to *Fusarium sp.* dominated wilt disease Complex.	FP: Seed treatment with only carbendazim TO_1:seed treatment with Carbendazim 1.5gm/kg of seed followed by *Trichoderma viridae*@5gm/kg seed after 10 days TO_2:seed treatment with Carbendazim 1.5gm/kg of seed followed by SEEDPRO@4gm/kg seed after 10 days	SOURCE:IIHR-2017
Assessment of Brown Plant Hooper (BPH) tolerant Rice varieties	Severe yield loss due to attack of BPH in paddy	FP: MTU-7029 (Duration:140 days, Resistant to BLB,susceptible to BPH, Yield Potential:48q/ha, Year of Release:1982 TO_1:HASANTA (Duration:145 days, Resistant to BPH, Yield Potential:50q/ha,Year of Release:2014 TO_2:PRATIKHYA(Duration:145 days, Moderately Resistant to BPH, Yield Potential:45q/ha, Year of Release:2014	OUAT, DRR(2014)
Assessment of babycorn in Rainfed upland during Kharif	Low income from oilseeds and pulses	Assessment FP-Farmer are growing sweet corn TO1-Growing Hybrid Maize TO2-Hybrid Baby corn	Source : AICRP Maize, OUAT, Transferable Technology 2016-17
Assessment of INM of Broccoli in Rabi season.	Low income from cabbage and cauliflower	FP -Imbalanced Fertilizer Application TO1-Vermicomposteb2.5Tn + Half Dose of RDF(150:50:100) TO2-Application ofg Boric acid + MnSo4 @ 100PPM each three spray at 10 day interval	Vermicompost 2.5Tn + Half Dose of RDF(150:50:100)
Assessment on Performance of Tractor	Low yield due to delayed sowing and less net return due to high cost of cultivation, more labour	FP: Broadcasting method of sowing TO_1: Line Sowing behind the plough TO_2: Sowing by Happy Seeder	ICAR

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drawn Happy Seeder for Sowing Green Gram	and time consumption. To avoid burning of paddy straw by farmers left by combine harvester		
Assessment on ridge and furrow method of planting for pigeon pea	Less germination of seed due to water stagnation and drainage problem	FP: Ridge & furrow manually done TO_1: Use of Bullock draw plough TO_2: Tractor drawn ridger	CIAE, Bhopal
Assessment of different combination of carps in aquaculture System	Less income from Indian major carps (Catla, Rohu, Mrigal) with limited yield after 10months of culture period.	FP: Indian Major Carps TO_1:FP+Exotic carp TO_2:TO_1+Minor carp+*P.gonionotous*	CIFA, Bhubaneswar, 2013
Assessment of the incorporation of Amur carp in composite carp culture	Slow growth rate of Mrigal affects the average yield from composite carp culture	FP: Catla :Rohu: Mrigal(30:40:30) TO_1:Catla : Rohu: Mrigal: Amur carp (30:40:20:10) TO_2: Catla : Rohu: Mrigal: Amur carp (30:40:10:20)	UAS, Bangalore, 2015
Assessment the efficiency of solar drier for value added products	Potato chips through open sun drying is a more time consuming and poor hygienic process	FP:Drying of Potato slices through open sun drying followed by blanching treatment with salt water TO_1:Drying of Potato slices through oven drying followed by blanching treatment with 2 gm. Potassium metabisulphite solution TO_2:Drying of Potato slices through Solar drier followed by blanching treatment with 2 gm. Potassium metabisulphite solution	OUAT, 2012
Assessment of different substrates in vermicompost production	Non-commercialisation of Organic wastage	FP:Vermicomposting from Cow dung + vegetable waste (2:3) TO_1: Vermicomposting from Cow dung + Crop residue (2:3) TO_2: Vermicomposting from Cow dung + spent mushroom substrate (2:3)	KVK, OUAT, 2012