On Farm Testing (2025-26)

TITLE OF OFT	CODE	TECHNOLOGY OPTIONS	SOURCE	OBSERVATION PARAMETERS
Assessment on different time of pruning in Apple ber (NEW)	25OHO06(K/R)	FP- Yearly two times Pruning		Fruit weight , Number of Fruits/plant, Yield kg/plant
		TO_1-Pruning in 4th week of March	SKN Agriculture University, Jobner, Rajasthan-2020	
		TO_2-Pruning in 2nd week of April		
		TO_3-Pruning in 4th week of April		
Assessment of disease resistant chilli hybrid (NEW)	25OHO09(K/R)	FP- cultivation of Chilli hybrid		Plant height (cm), No of fruits/plant, single fruit weight (g), Days to 1st harvest Yield (q/ha),
		TO1 - Cultivation of Multiple disease resistant chilli hybrid ArkaGagan	ICAR-IIHR,2021	
		TO2-- Cultivation of Multiple disease resistant chilli hybrid ArkaTejasvi	ICAR-IIHR,2020	

On Farm Testing (2025-26)

TITLE OF OFT	CODE	TECHNOLOGY OPTIONS	SOURCE	OBSERVATION PARAMETERS
Assessment of standardization of NPK dose in medium land rice (NEW)	25OSS1K	FP:-Existing recommendation of N-P_2O_5-K_2O @ 80:40: 40 kg/ha.		Effective tillers/hill, grains/panicle, test weight, Soil fertility status, Economics
		TO1: Application of N-P_2O_5-K_2O @ 80:40: 60 kg/ha. + 5tFYM/ha	AICRP on LTFE, OUAT, Bhubaneswar; 2019-20	
		TO2: Application of N-P_2O_5-K_2O @ 100:50:50kg/ha+ 5tFYM/ha	RRTTS, Bhubaneswar, 2024	
Assessment of Wet Land Power Weeders in Paddy (NEW)	23OAE01(R)	FP: Manual weeding		Field capacity (ha/h), Weeding Index (%), Labour utilization (man days/ha), Plant damage(%)
		TO1: Mandwa Weeder	AICRP on ESA, CAET, OUAT, 2011 & 2013	
		TO2: Wet Land Power Weeder		

On Farm Testing (2025-26)

TITLE OF OFT	CODE	TECHNOLOGY OPTIONS	OBSERVATION PARAMETERS
Assessment of farmers perception on use of insecticides through different spraying machines (NEW)	25OEE03 (Y)	FP: Spraying through solar operated knapsack sprayer TO_1 :Spraying through power sprayer TO_2: Spraying through Agri-drone	Easy availability, Cost involved, Human labour involved, Complexity of the related technology, Efficacy of the technology, Drudgery involved
Assessment on Digital Literacy for Capacity among smallholder farmers (NEW)	25OEE07 (Y)	FP- Reliance on traditional knowledge and fellow farmers advice TO1- Provide farmers with localized, timely crop advisory information through traditional training programmes TO2- Visual based capacity building using digital means	Annual business (Rs), Extent of Agri-Technologies adopted, Increase in knowledge on various aspects of farming

On Farm Testing (2025-26)

TITLE OF OFT	CODE	TECHNOLOGY OPTIONS	SOURCE	OBSERVATION PARAMETERS
Assessment of herbicides for weed management in transplanted rice (Continued)	24OAG11(K)	FP- HW at 30 DAS	OUAT, 2015 OUAT, 2020	Weed count/m^2, Weed dry weight/m^2, WCE, No. of EBT/m^2, No. of filled grains/panicle, test weight, yield, economics
		TO_1: Application of Cyhalofop butyl + Penoxsulam @ 135g/ha at 20DAT		
		TO_2: Pre-emergence application of Pretilachlor @500 g/ha fb post emergence application of Chlorimuron ethyl + Metsulfuron methyl @ 4g/ha at 20DAT		
Assessment of weed management practices in cotton (Continued)	23OAG02(K)	FP-HW at 30 DAS	CICR,2018	Weed counts, WCE, cotton yield, cost saving in weeding, economics
		TO1- Application of pyrithiabac sodium 6% + Quizalfop ethyl 4% @ 500ml/ha at 20DAS as post emergence spray		
		TO2- Pre emergence application of pendimethalin @3300ml/ha and post emergence application of Quizalofop ethyl @1000ml/ha at 20 DAS		

On Farm Testing (2025-26)

TITLE OF OFT	CODE	TECHNOLOGY OPTIONS	SOURCE	OBSERVATION PARAMETERS
Assessment of coriander cultivation in rainy season (Continued)	24OHO07(K)	FP- Cooriander var. Swati		Yield of green leaves, no of cuttings for green leaf , Gross cost, Gross return, Net return (Rs/ha), B:C ratio
		TO_1: coriander var. Arka Isha Line sowing of treated coriander seeds with Bavistin @ 1gm/100gm with average spacing of 5-10 cm plant to plant & 30 cm from row to row	IIHR,2014	
		TO_2: coriander var. sadhana Line sowing of treated coriander seeds with Bavistin @ 1gm/100gm with average spacing of 5-10 cm plant to plant & 30 cm from row to row	Annual report OUAT, 2009-10	
Assessment of Papaya hybrids (Continued)	24OHO14(K)	FP- Cultivation of Papaya Var. Red lady		Days to fruiting, Av. Fruit Weight (kg), No. of fruits /plant, Yield (q/ha), Economics
		TO_1: Cultivation of ArkaPrabhat Av. fruit weight 1.34 kg, Yield / plant 23.79 kg, Fruit length 21.24 cm, Fruit diameter 11.61cm, TSS 7.36 o Bricks	IIHR, Bangalore , 2017	
		TO_2: Cultivation of PusaDwarf Dioecious var. dwarf plants and med-sized (1-2 kg) oval fruits. The plant starts bearing from 25 to 30 cm above-ground level and is comparatively drought hardy. Suitable for high	IARI, 2019	

On Farm Testing (2025-26)

TITLE OF OFT	CODE	TECHNOLOGY OPTIONS	SOURCE	OBSERVATION PARAMETERS
Refinement of application of liming material on greengram under acid soil (Continued)	24OSS08R	FP: Application of chemical fertilizer only (NPK@ 10:30:0 kg/ha)+ Rhizobium inoculation @ 1.25kg/25kg seeds		No. of branches/plant, no. of pods/plant, no. of seed/pod, yield, nodules/plant, changes in pH, soil fertility status, economics
		TO1:FP+ Soil application of lime @0.2LR	OUAT, 2016	
		TO2: FP+ Seed treatment with lime@4kg/25kg seed	OUAT, 2018	
		TO3: FP+PMS@800kg/ha	OUAT, 2016	
Assessment of performance of different Ragi threshing machines for small and marginal farmers (Continued)	23OAE07(R)	FP- Manual hand beating		Threshing Efficiency, Threshing Capacity, Grain Loss, Cost-benefit analysis, Time savings, Cost of operation (Rs/q)
		TO1: threshing by OUAT mini ragi thresher	AICRP on UAE	
		TO2: threshing by power operated OUAT ragi thresher cum pearler	CAET, OUAT,2020	