Details of On Farm Trials/ Technology Assessment proposed during 2021

S. No.	Crop/ enterprise & Season	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the Intervention(Rs.)	Parameters to be studied	Team members
1	Finger millet Kharif	Low yield of local Variety (9 to 10 q/ha)	**Varietal Evaluation of Finger millet during kharif season**	T_1 – Farmers practice Local Variety (Red Nagali) T_2 – Technology assess (Dapolisafed- 1)	Dr. BSKKV, Dapoli	Introduction of new variety of Finger millet Dapoli Safed-1, (Kokan Safed-1			5 (1 ha)		Grain yield(Q/ha) + strow yield(Q/ha) Cost Benefit Ratio	Dr. M.S. Talathi, Shri. J. S. Arekar, Shri. P.M. Mandavka Shri.S.J. Padhye Shri. S. S. karle,
2	Rice Rabi	Low yiled of local variety (15-18 q/ha) Lodging	Varietal evaluation of Rice during *Kharif* season	**T_1 – Farmers practise (**Local variety) **T_2- Technology Assessed** (Ratnagiri-7, Red Rice)	Dr. BSKKV, Dapoli	Rice variety Ratnagiri – 7 (Red Rice)			5 (1 ha)		Grain yield (Q/ha) Straw yield (Q/ha) Cost benefit Ratio	Dr. M.S. Talathi, Shri. J. S. Arekar, Shri. P.M. Mandavka Shri.S.J. Padhye Shri. S. S. karle,
3	Groundnut Rabi	Low yield of local variety of Groundnut, SB-11 (10-15 /ha)	**Varietal Evaluation of Rabi cum Summer Groundnut**	T_1 – Farmers practice (Cultivation of SB-11 Variety) T_2 – Technology assess (Konkan Bhuratna)	Dr. BSKKV, Dapoli	Konkan Guarav			5 (1 ha)		Grain yield(Q/ha) StrawYield(Q/ha) Cost Benefit Ratio	Dr. M.S. Talathi, Shri. J. S. Arekar, Shri. P.M. Mandavka Shri.S.J. Padhye Shri. S. S. karle,
4	Mango Rabi	Death of plant due to disease	**Management of branch drying disease of mango**	**T_1 – Farmers practise (no any management practice)**	Dr. BSKKV, Dapoli	Copper oxy chloride	2.5 gm/ 1 lit	2500	4	10000	1) Disease incidence	Shri. J. S. Arekar, Dr. M. G. Manjrekar, Shri. S. S. karle, Dr. M. S. Talathi,

				T_2- Technology Assessed (Cut the disease infested branches and use coc paste)								
5	Coconut Rabi	Heavy pest incidence leads to low yield	**Management of black headed caterpillar by using bio-agent**	**T_1- No management practice (**Farmers practice) **T_2-** (Technology assessed) release of Bioagent *Goniozus nifentides*	Dr. BSKKV, Dapoli	Bioagent *Goniozus nifentides*	3500/ha	2500	4	10000	Pest incidence	Shri. J. S. Arekar, Dr. M. G. Manjrekar Shri. S. S. karle, M.S. Talathi,
6	Tuber Crops - Elephant Foot Yam Kharif May-June	Sustainable farming- yield maximization	Assessing the varietal performance of elephant foot yam var. Gajendra	Varietal performance **T_1 - Farmers' Practice** (Local variety) **T_2 - Technology assessed** (var. Gajendra)	Dr. B.S.K.K.V. Dapoli	Seeds	20 kg	1000/-	5	5000/-	1) Time of sowing 2) Planting distance and method 3) Days required for harvesting 4) Crop yield (qt/ha) 5) Net returns	Dr. R. G. Manjarekar, Shri. J.S. Arekar, Shri. P.M. Mandavkar,Dr. M.S. Talathi, Shri. S. S. Karle
7	White Onion Rabi/ Summer December	Yield maximization	Assessing the effect of spacing and time of transplanting on yield performance of white onion var. Alibag local	Cultivation technology **T_1 - Farmers' Practice** (without any plant spacing and time of transpl.) **T_2 - Technology assessed** (transpl. at 10 X 15 cm. spacing during 2nd - 3rd week of Dece.)	Dr. B.S.K.K.V. Dapoli	Seeds	0.5 kg	1000/-	5	5000/-	1)Plant population per sq. meter 2)Days required for harvesting 3)Crop Yield(qt./ha) 4) Net returns	Dr. R. G. Manjarekar, Shri. J.S. Arekar, Shri. P.M. Mandavkar,Dr. M.S. Talathi, Shri. S. S. Karle

8	Mango Summer December	Improvement in fruit qulity.	Effect of bagging of fruits in Alphonso mango.	Package of practice **T_1 - Farmers' practice** (control- without any bagging) **T_2 - Technology assessed** (News paper bagging)	Dr. B.S.K.K.V. Dapoli	News paper bags	2 kg	500/-	5	2500/-	1)Days required for harvesting after fruit set 2)Quality parameters (weight, colour, T.S.S. and acidity of fruit 3) Crop yield (kg/tree and qt./ha) 4) 4) Net returns	Dr. R. G. Manjarekar, Shri. J.S. Arekar, Shri. P.M. Mandavkar,Dr. M.S. Talathi, Shri. S. S. Karle
9	Rice Kharif	High production cost, Scarcity of labour, Delay in field operations	Direct seeding of paddy using drum seeder	**T_1 - Farmers' practice** (Manual Transplanting) **T_2 - Technology assessed**(Using drum seeder)	TNAU, Coimbatore	Drum seeder	1	1,000	6	6,000	Field capacity (ha/hr), Man-days required per ha, Number of weedings, Crop yield, Cost savings, Field efficiency	Er. S.J.Padhye, Dr. M.S.Talathi
10	Rice Kharif	High cost, Scarcity of labour, Delay in field operations	Use of vertical conveyor reaper for harvesting of paddy	**T_1 - Farmers' practice** (Harvesting with local sickle) **T_2 - Technology assessed**(Use of vertical conveyor Reaper)	Dr. BSKKV, Dapoli	Reaper	1	1,000	6	6,000	Field capacity (ha/hr), Saving in man-days per ha, Cost savings, Shattering losses, Field efficiency	Er. S.J.Padhye, Dr. M.S.Talathi