

ACTION PLAN: 2019-20

Technology Assessment

S. No.	Crop/enterprise	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	Mash	Variety	Assessment of mash varieties	T ₁ =Farmers practice	(Local variety)	-	-	-	5	-	No. of seeds/pod Yield(q/ha)	Dr AS Charak Dr Narinder Paul Dr GN Jha
				T ₂ =PU-19	(POP SKUAST jammu)	Seed	0.5 Kg	Rs 60	5	300	No. of seeds/pod Yield(q/ha)	-
				T ₃ =PU-31	(POP GBPUAT Pantnagar)	Seed	0.5 Kg	Rs 60	5	300	No. of seeds/pod Yield(q/ha)	-
2	Mash	Weeds	Weed management in mash	T ₁ =Farmers practice	No management	-	-	-	5	-	No. of weed plants/Sq. meter Yield (q/ha)	Dr AS Charak Dr Narinder Paul Dr GN Jha
				T ₂ =Pendimethalin 1.0 Kg/Ha (PE)	SKUAST-J	Herbicide	0.5 Lit.	150	5	750	No. of weed plants/Sq. meter Yield (q/ha)	-
				T ₃ =Imazethyper+ Pendimethalin @ 1.0 Kg/ha	Division of Agronomy, SKUAST-J	Herbicide	0.3	210	5	1050	No. of weed plants/Sq. meter Yield (q/ha)	-
3	Fish	Poor Growth	Evaluation of growth performance of Common carp with supplementary feeding	T ₁ =Farmers practice	No supplementary feeding	-	-	-	-	-	Food Conversion Ratio (FCR), Weight gain, Specific Growth Rate (SGR) & Survival	Dr GN Jha , Dr AS Charak and Dr Narinder Paul
				T ₂ =supplementary feeding using oil cake and wheat flour (50/50) & 2% vitamin mineral mixture	ICAR-DCFR	Mineral mixture	2% of feed quantity	500	2	1000	Food Conversion Ratio (FCR), Weight gain, Specific Growth Rate (SGR) & Survival	
4	Fish	Unscheduled feeding	Evaluation of feeding schedule on growth performance of Common carp	T ₁ =Farmers practice	No timing of feeding	-	-	-	-	-	Weight gain, Food Conversion Ratio (FCR), Specific Growth Rate (SGR) &	Dr GN Jha , Dr AS Charak and Dr Narinder Paul

															Survival
				T ₂ = management of feeding timing (twice daily at prefixed time), daily ration (5% of body weight)	ICAR-DCFR	-	-	-	-	-	-	-	-	-	Weight gain, Food Conversion Ratio (FCR), Specific Growth Rate (SGR) & Survival

Frontline Demonstrations

S. No.	Category	Crop / Enterprise	Prioritized problem	Technology to be demonstrated	Specific Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
1	Cereals	Maize	Low productivity	Variety	Hybrid	DMH-7314	-	Seed	6.0 Kg	762	50	38100	Cobs per plant, Yield/Ha	Dr AS Charak Dr Narinder Paul Dr GN Jha
2		Paddy	Disease	Fungicide	-	-	SKUAST-J	Trycylazole 75% WP	40 gram	102	50	5100	Plants infected/Sq m, Yield/ha	Dr AS Charak Dr Narinder Paul Dr GN Jha
3	Oilseeds	Mustard	Low productivity	Variety and PP Chemical	-	KS-101	SKUAST-J	Seed, Insecticide	1.5 Kg	150	50	7500	Yield, Insect infestation	Dr AS Charak Dr Narinder Paul Dr GN Jha
4	Pulses	Mash	Low Productivity	Variety	-	PU-19	SKUAST-J	Seed	4.0 kg	401	50	20050	Yield	Dr AS Charak Dr Narinder Paul Dr GN Jha
5	Others	Oats	Shortage of fodder	Variety	-	Sabzar/Sabzar-1	SKUAS-J/K	Seed	20 Kg	1400	25	35000	Green fodder yield	Dr AS Charak Dr Narinder Paul Dr GN Jha

Training for Farmers/ Farm Women

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/Refinement/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
1	Crop Production	Maize	Low production	OFT, FLD	Agronomic practices for higher maize production	1	20	Dr AS Charak Dr Narinder Paul Dr GN Jha

		Maize	Weed management	OFT, FLD	Integrated weed management in Maize	1	20	Dr AS Charak Dr Narinder Paul Dr GN Jha
		Mash	Low production	OFT, FLD	Agronomic practices for higher mash production	1	20	Dr AS Charak Dr Narinder Paul Dr GN Jha
		Paddy	Weed management	FLD	Integrated weed management in Paddy	1	20	Dr AS Charak Dr Narinder Paul Dr GN Jha
		Mustard	Low Yield	FLD	Improved techniques for mustard cultivation	1	20	Dr AS Charak Dr Narinder Paul Dr GN Jha
		Oats	Fodder Shortage	FLD	Agronomic practices for oats cultivation	1	20	Dr AS Charak Dr Narinder Paul Dr GN Jha
2	Capacity Building Group Dynamics	-	Non-existence of grass root level farmer organizations	-	Grass root level Farmer organizations in technology transfer	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
		-	Lack of market intervention	-	Market led extension through farmers organization	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
		-	Unorganized farming community	-	Formation and management of farmer clubs	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
		-	Innovation decision	-	Leadership traits for innovative farmers	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
		-	Unemployment	-	Microenterprises for income and employment generation	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
		-	Financial hindrances	-	Financial inclusion-support to innovation adoption	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
3	Fisheries Production Technologies	Fisheries	Lack of awareness		Chinese carp culture practices in hills	1	20	Dr GN Jha Dr AS Charak Dr Narinder Paul
		Fisheries	Water loss due to seepage		Water harvesting and fisheries in poly-lined pond	1	20	Dr GN Jha Dr AS Charak Dr Narinder Paul
		Fisheries	Lack of integrated approach		Vegetable based integrated fish farming	1	20	Dr GN Jha Dr AS Charak Dr Narinder Paul
		Fisheries	Water loss due to seepage		Carp culture in poly-lined pond	1	20	Dr GN Jha Dr AS Charak Dr Narinder Paul
		Fisheries	Lack of knowledge		Trout culture in raceways	1	20	Dr GN Jha Dr AS Charak Dr Narinder Paul

Trainings for Extension Personnel

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
1	Crop Production	IPM & IWM in field crops	1	20	Dr AS Charak Dr Narinder Paul Dr GN Jha
		Integrated nutrient management in field crops	1	20	Dr AS Charak Dr Narinder Paul

					Dr GN Jha
2	Capacity Building and Group Dynamics	Extension programme planning	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
		Networking techniques in extension	1	20	Dr Narinder Paul Dr AS Charak Dr GN Jha
3	Plant Protection	Insect pest management in temperate fruit crops	1	20	Dr Neeraj Kotwal Dr AS Charak Dr Narinder Paul Dr GN Jha
4	Fisheries	Fish farming for livelihood and income generation	1	20	Dr GN Jha Dr AS Charak Dr Narinder Paul
		Various techniques of fish farming in hills	1	20	Dr GN Jha Dr AS Charak Dr Narinder Paul

15. Other extension programmes

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
1.	Advisory Services	10	200	Dr AS Charak Dr Narinder Paul Dr GN Jha
2.	Diagnostic visits	35	350	Dr AS Charak Dr Narinder Paul Dr GN Jha
3.	Field Day	05	250	Dr AS Charak Dr Narinder Paul Dr GN Jha
4.	Group discussions	05	300	Dr AS Charak Dr Narinder Paul Dr GN Jha
5.	Kisan Ghosthi	03	120	Dr AS Charak Dr Narinder Paul Dr GN Jha
6.	Film Show	-	-	-
7.	Self -help groups	10	250	Dr AS Charak Dr Narinder Paul Dr GN Jha
8.	Kisan Mela	01	500	Dr AS Charak Dr Narinder Paul Dr GN Jha
9.	Exhibition	04	350	Dr AS Charak Dr Narinder Paul Dr GN Jha
10.	Scientists' visit to farmers field	30	30	Dr AS Charak Dr Narinder Paul Dr GN Jha
11.	Plant/Soil health/Animal health camps	-	-	-
12.	Farm Science Club	-	-	-
13.	Ex-trainees Sammelan	-	-	-
14.	Farmers' seminar/workshop	-	-	-
15.	Method Demonstrations	02	60	Dr AS Charak Dr Narinder Paul Dr GN Jha
16.	Celebration of important days	Need based	-	Dr AS Charak Dr Narinder Paul

				Dr GN Jha
17.	Special day celebration	Need based	-	Dr AS Charak Dr Narinder Paul Dr GN Jha
18.	Exposure visits	-	-	-
19.	Technology week,	-	-	-
20.	FFS	-	-	-
21.	Farm innovators meet	-	-	-
22.	Awareness programs	08	260	Dr AS Charak Dr Narinder Paul Dr GN Jha
23.	Others, pl. specify	-	-	-

Activities proposed as Knowledge and Resource Centre

Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
1	Technology Park/ Crop cafeteria	Variety and Production techniques	30 Plots	Dr AS Charak Dr Narinder Paul Dr GN Jha
2	Demonstration Units	Vegetable , fruit, High Density apple orchard, Strawberry, Azolla Integrated fish farming	20 No.	Dr AS Charak Dr Narinder Paul Dr GN Jha
3	Lab Analytical services	-	-	-
4	Technology Week	Crop production, protection and management technologies	1 No.	Dr AS Charak Dr Narinder Paul Dr GN Jha

Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2019-20	Names of the team members involved
1	Seeds	Mash	0.50	Dr AS Charak Dr Narinder Paul Dr GN Jha
2	Planting materials	Strawberry runners Grafted apple	5000 NO. 200 No.	Dr AS Charak Dr Narinder Paul Dr GN Jha

Technological Information

	Category	Technological capsules / Number	Names of the team members involved
1	Technology backstopping to line departments		
2	Agriculture	10	Dr AS Charak Dr Narinder Paul Dr GN Jha
3	Fisheries	08	Dr AS Charak Dr Narinder Paul Dr GN Jha
4	Literature/publication	500	Dr AS Charak Dr Narinder Paul Dr GN Jha
5	Electronic Media	08	Dr AS Charak Dr Narinder Paul Dr GN Jha
6	Kisan Mobile Advisory Services	12	Dr AS Charak Dr Narinder Paul Dr GN Jha

7	Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also indicate time of completion.	Dr AS Charak Dr Narinder Paul Dr GN Jha
---	---	--	---

Additional Proposed Activities

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	National fisheries Development Board	Training for Rural youth	3 days skill development shall be proposed	1.0 Lakh	Dr GN Jha Dr AS Charak Dr Narinder Paul

Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
1	Production of strawberry runners	5000	15000	Dr AS Charak Dr Narinder Paul Dr GN Jha
2	Mash Seed Production	0.50 Qtls	5000	Dr AS Charak Dr Narinder Paul Dr GN Jha
3	Grafted apple plants	200	10000	Dr AS Charak Dr Narinder Paul Dr GN Jha
4	Production of fodder oats	0.4 Ha	10000	Dr AS Charak Dr Narinder Paul Dr GN Jha
5	Fruit Production	-	30000	Dr AS Charak Dr Narinder Paul Dr GN Jha