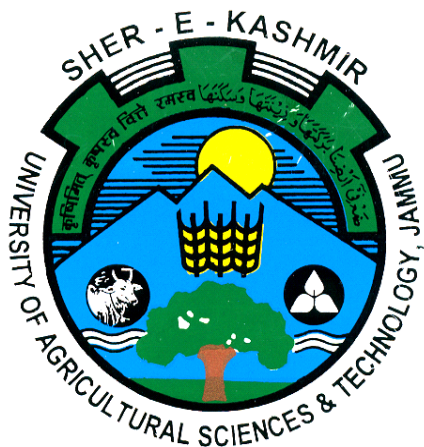


KRISHI VIGYAN KENDRA JAMMU



ACTION PLAN: 2020-21

(Directorate of Extension)

Sher-e-Kashmir

University of Agricultural Sciences and Technology
Jammu

Email: kvkjammu@gmail.com Website: www.kvkjammu.nic.in Call at :01923-252929

ACTION PLAN OF KVK JAMMU 2020-21

1. GENERAL INFORMATION ABOUT THE KRISHI VIGYAN KENDRA

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra, Jammu, SKUAST-J, .
1.2	Name and address of host organization	:	Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Main Campus, Chatha, Jammu
1.3	Year of sanction	:	1992
1.4	Website address of KVK and date of last update		www.kvkjammu.nic.in (June, 2019)

2. DETAILS OF STAFF AS ON DATE

Sl. No.	Sanctioned post	Name of the incumbent	Age	Discipline with highest degree obt.	Pay Band & Grade Pay (Rs.)	Present basic (Rs.)	Date of joining at present post	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Sr Scientist & Head	Vacant	-	-	-	-	-	-	-
2	Senior Scientist (SMS)	Dr. Rakesh Sharma	45	Ph.D Ag. Ext.	131400-217100 (Level 13 A)	139400	May 2017	Temporary	Gen
3	Senior Scientist (SMS)	Dr. Punit Choudhary	44	Ph.D Forestry	131400-217100 (Level 13 A)	139400	May 2017	Temporary	Gen
4	Subject Matter Specialist	Dr Sheetal Badyal	47	Ph.D Home Science	79800-211500 (Level 12)	98200	Mar 2018	Temporary	Gen
5	Subject Matter Specialist	Dr Ravneet Kour	47	Ph D Vegetable Sciences	56100-177500 (Level 10)	89900	March 2019	Temporary	Gen
6	Subject Matter Specialist	Dr. Prem Kumar	46	Ph D Fisheries	68900-205500 (Level 11)	71000	May 2010	Temporary	Gen
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-
8	Programme Assistant (Comp)	Sh. Ashish Katoch	46	M. Tech	35400-112400 (Level 6)	60400	Dec.2003	Temporary	Gen
9	Programme Assistant (Farm)	Sh. Raju Gupta	40	Ph.D Agronomy	35400-112400 (Level 6)	47600	Aug.2008	Temporary	Gen
10	Programme Assistant (Trg)	Ms. Poonam Abrol	31	M.Sc. H. Science	35400-112400 (Level 6)	42300	June 2012	Temporary	Gen
11	Accountant / Superintendent	S Ashok Kumar	59	MA LLB	44900-142400 (level 7)	53600	Jan 2019	Temporary	Gen
12	Stenographer	Samir Ji Raina	46	Gradation	25800-81100 (Level 4)	27100	Jan 2019	Temporary	Gen
13	Driver	Sh. Manohar Lal	49	Matric	25800-81100 (Level 4)	27900	Sept. 2015	Temporary	SC
14	Driver	Sh Vijay Kumar	40	Matric	25800-81100 (Level 4)	27900	March 2019	Temporary	Gen
15	Supporting staff	Sh. Satnam Singh	44	Under Matric	14800-47100 (Level SL-1)	24800	July 2005	Temporary	Gen
16	Supporting staff	Vacant	-	-	-	-	-	-	-

3. DETAILS OF SAC MEETING CONDUCTED DURING 2018-19

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2020-21
3.1	18-03-18	The Chairman directed to incorporate one vocational training programme on Poultry farming and resource persons for the said training will be made available from F. V. Sc & AH, SKUAST-J, R. S. Pura.	One vocational training programme on poultry farming (5 days) was conducted by KVK Jammu in which 28 participants were trained and after training 500 chicks were distributed to promote backyard poultry farming.	20/08/2020
		Chairman instructed to promote University released varieties under various FLD programme undertaken by KVKs.	SKUAST paddy varieties SJR 129, RR 564 were taken up under FLD programme covering an area of 3.44 ha covering 26 beneficiaries. Moreover, RSPR-01, RSPR-69, DGS-1 and RSPN 25 varieties of Mustard and Gobi Sarson of SKUAST-J were demonstrated at 48 farmer's field covering a total of 4.0 ha area during Rabi 2019-20.	
		Professor from Division of Agricultural Extension Education, FoA SKUAST-J suggested that other than Basmati 370, newly released varieties of SKUAST-J of paddy should also be promoted under FLD. He further suggested that with Basmati 370 variety some critical inputs may be used for laying out FLDs.	SKUAST paddy variety RR 564 and Pusa 1637, Pusa 1718 varieties were taken up under FLD programme in addition to B-370. Moreover Basmati varieties 118, 123 and 138 were also tested under OFT's by KVK Jammu. In Suchetgarh Organic Basmati Cluster Trichoderma and Rhizobium was provided as critical input for seed and soil treatment.	
		With respect to RAWE student, Chairman directed to involve students more in KVK field activities rather than classroom lecture.	RAWE students were completely involved into field activities, group discussion regarding farming problems, agricultural play.	
		Chief Animal Husbandry Officer, Jammu suggested to include a training programme on quail farming in Akhnoor area in collaboration with department.	KVK Jammu included the training programme on Quail farming and approached Animal husbandry department to arrange participants for the said training programme in Akhnoor. The said training programme will be conducted during 2020-21 in collaboration with the FVSc and AH SKUAST-J R S Pura and Animal Husbandry department Jammu.	
		Chairman directed Chief Scientist & Head to plan an exposure visit of farmers of Jammu district.	Four exposure visits including one Inter State tour of farmers of Jammu district to Dehradun, Lucknow, Delhi and Amritsar were conducted during the 2019-20 covering 65 farmers.	

4. CAPACITY BUILDING OF KVK STAFF

4.1. Plan of Human Resource Development of KVK personnel

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Protected Cultivation	Department of plasticulture, IARI, New Delhi	Thrust is being given to high value crops and intensive farming.
4.1.2	Fodder Banks and Hydroponic Culture	IGFRI, Jhansi	To generate round the year fodder.
4.1.3	Innovative Extension Methodology	IARI/NAARM	Impact analysis, demand projection, documentation
4.1.4	Processing and Value Addition	CIPHET and PAU Ludhiana	Value addition
4.4.5	Bio flock and RAS	GADVASU, Ludhiana/ CIFA, Orissa	Fresh Water Aquaculture

4.2. CROSS-LEARNING ACROSS KVKs

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – Gurdaspur	Seed and planting material production
4.2.2	Within the zone – Jalandhar	IFS
4.2.3	Outside zone – Ujawa / Gurgaon	Urban agriculture

5. PROPOSED CLUSTER OF KVKs (3 TO 5 NEIGHBORING KVKs) TO BE FORMED FOR SHARING KNOWLEDGE/EXPERTISE, RESOURCES AND ACTIVITIES

S. No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	Kathua	On farm trials on Basmati	New interventions in paddy/wheat
5.2	Samba	FLD's/OFT's on Basmati	Pulse /oilseed seed
5.3	Gurdaspur	Basmati cultivation	Pulses seed and planting material.

6. OPERATIONAL AREAS DETAILS PROPOSED

S. No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)
6.1	Paddy (Basmati 370)	<ul style="list-style-type: none"> Low yield of paddy Lack of labour Poor nutrient and weed management. Lodging 	18000 ha	<ul style="list-style-type: none"> R.S. Pura Arnia Kotla Garkhal 	<ol style="list-style-type: none"> Direct seeded rice/ drum seeder (OFT) FLD's on improved Basmati variety. Training Programme and extension activities.
6.2	Paddy (Non-Basmati)	<ul style="list-style-type: none"> Lack of high yielding varieties. 	8000 ha	<ul style="list-style-type: none"> Nagrota Pragwal Bishnah 	<ol style="list-style-type: none"> Introduction of new and high yielding varieties of Paddy. (OFT/FLD)
6.3	Wheat	<ul style="list-style-type: none"> Lack of new high yielding varieties. Problem of yellow rust and smut diseases Lack of proper weed management. 	20000 ha	<ul style="list-style-type: none"> R.S.Pura Dansal Bhalwal Arnia Bishnah 	<ol style="list-style-type: none"> Introduction and evaluation of new varieties. (OFT/FLD). Introduction of Yellow rust resistant varieties in wheat (OFT/FLD) Weed management in Wheat.
6.4	Maize	<ul style="list-style-type: none"> Lack of composite varieties. Lodging in maize, 	5000 ha	<ul style="list-style-type: none"> Panjoa/ Sagoon Bhalwal Nagrota 	<ol style="list-style-type: none"> Promotion of Composite Varieties. (FLD) Promotion of hybrid maize (FLD)

		<ul style="list-style-type: none"> • Disease and pest Management. • Poor weed management 			<ol style="list-style-type: none"> 3. Disease/pest/weed Management. (OFT) 4. Training Programmes and extension activities
6.5	Pulses	<ul style="list-style-type: none"> • Weed Management problem. • Poor knowledge on pest management. • Lack of new varieties. 	2000 ha	<ul style="list-style-type: none"> • R.S.pura • Bishnah • Sungal • Marh • Nagrota • Pragwal 	<ol style="list-style-type: none"> 1. Weed Management in Pulses. (OFT) 2. Demonstrations of High yielding varieties. (Cluster FLD.s) 3. Demonstration of biofertilisers/pheromone traps. 4. Training programmes and extension activities
6.6	Oilseed	<ul style="list-style-type: none"> • Lack of high yielding varieties 	2000 ha	<ul style="list-style-type: none"> • Bishnah • Marh • R S Pura • Bhalwal 	<ol style="list-style-type: none"> 1. Promotion of newly released varieties. (FLD) 2. Training programmes and extension activities
6.7	Fodder	<ul style="list-style-type: none"> • High fodder requirement. • High cost and transportation of Fodder. • Lack of fodder varieties, 	10000 ha	<ul style="list-style-type: none"> • R.S.pura • Bishnah • Sagoon • Bhalwal 	<ol style="list-style-type: none"> 1. Introduction of Oats varieties. (FLD) 2. Promotion of Hybrid napier and setaria grasses (FLD) 3. Increasing knowledge on fodder banks and tree fodder. (Trainings/FLDs)
6.8	Medicinal Plants	<ul style="list-style-type: none"> • Low yields of traditional plants. • Lack of processing 	-	<ul style="list-style-type: none"> • Mathwar • Rabta • Manwal • Chawa 	<ol style="list-style-type: none"> 1. Promotion and spread of high yielding strains. (FLD) 2. Value addition of Harad/Aonla 3. Training Programmes and extension activities
6.9	Marigold	<ul style="list-style-type: none"> • Lack of commercial varieties. • Poor disease management. • Lack of marketing avenues. 	100 ha	<ul style="list-style-type: none"> • R.S.pura • Nagrota 	<ol style="list-style-type: none"> 1. Promotion of Pusa varieties. 2. IPM in Marigold (OFT) 3. Training Programmes and extension activities
6.10	Mushroom	<ul style="list-style-type: none"> • Price fluctuation • Disease management • Round the year mushroom cultivation. 	-	<ul style="list-style-type: none"> • R.S.pura • Marh 	<ol style="list-style-type: none"> 1. Value addition in mushrooms to avoid glut. 2. IDM in Mushroom (OFT) 3. Round the year Mushroom cultivation. (Skill Trainings).
6.11	Dairy	<ul style="list-style-type: none"> • Low milk yields. • Low fat percentage • Poor feed management. • Poor animal health 	-	<ul style="list-style-type: none"> • R.S.Pura • Bhalwal • Nagrota 	<ol style="list-style-type: none"> 1. Proper health and hygiene for animals (Trainings and demos) 2. Proper feed preparation (Training) 3. Clinical camps
6.12	Fish	<ul style="list-style-type: none"> • Imbalance nutrition • Poor management • Traditional practices • Improper seed stocking 		<ul style="list-style-type: none"> • Pragwal • Bishnah • R S Pura • Nagrota 	<ol style="list-style-type: none"> 1. Proper balanced nutrition 2. Composite fish farming (FLD) 3. Training programmes and extension activities

7. TECHNOLOGY ASSESSMENT DURING 2020-21

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Tech.	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
7.1	Lemon Grass	Lack of quality planting material and yield characteristics	Assessment of superior varieties of lemon grass under sub-tropical rainfed condition for different growth	T1: Local selection (Farmer Practice) T2: CKP-25	IIIM Jammu & SKUAS T-J	Planting material	100 tubers	2000	5	10000	Growth Yield	Dr Punit Choudhary Dr Lalit M Gupta
7.2	Berseem	Lack of high yielding variety	Evaluation of different varieties of Berseem for growth and yield parameters	T1: Mascavi T2: Vardhan T3: BL-10	SKUAS T-J/PAU	Seed of different varieties	1kg seed		6		Growth Yield	Dr Punit Choudhary Dr Puniya Dr Prem
7.3	Fish	Low production of fish due to poor condition of water	Augmentation of Fish production by use of Zeolite in fish pond	T1: Addition of water which is lost due to evaporation & seepage T2: 20 to 30 % replacement of water T3: Application of zeolite @300 kg/ha	CIFE	Zeolite bags	30 kg	4000	3	12000	Health Yield	Dr Prem Dr Sheetal Dr Ravneet
7.4		Non adoption of new products Wastage of fish feed Low fish production	Assessment of pelleted feed on growth and production of fish	T1: Mustard oil cake, Rice bran, home left etc. without any ratio T2: 50:50 Mustard oil cake and rice bran after soaking overnight T3: Pelleted feed @ 3-5% of fish body weight	CIFE/CIFA	Pelleted feed	100 kg	5500	4	22000	Growth Yield	Dr Prem Dr Punit Dr Sheetal
7.5	Knol Khol	Lack of improved variety	Evaluation of suitable varieties of Knoll khol	T1 = Farmer's practice	SKUAS T-J	Seed/chemical	45 gm	500	4	2000	Yield	Dr Ravneet Kour Dr Sheetal

				T2 = White Vienna T3 = Pusa Virat									
7.6	Cabbage	Severe disease incidence	Evaluation of disease resistant varieties of cabbage	T1 =Farmers practice T2 = Pusa drum head T3 =Pusa Mukta	SKUAS T-J	Seed	45 gm	500	4	2000	Yield/disease incidence	Dr Ravneet Kour Dr Sheetal	
7.7	Raddish	Lack of suitable varieties	Evaluation of suitable varieties of Raddish	T1 =Farmers practice T2 =Japanese White T3 =Pusa Himani	SKUAS T-J	Seed	45 gm	500	4	2000	Yield	Dr Ravneet Kour Dr Sheetal	

8. Technology Refinement during 2020-21

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
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9. FRONTLINE DEMONSTRATIONS DURING 2020-21

S. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify 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
9.1	Cereals	Paddy	Mixed seed of Basmati 370 Low yield	Pure seed Improved variety	Varieties	Basmat -370 RR 564 SJR-129	SKUAST -J	Seed	12 kg	2000	25	50000	Germination, Seed to seed maturity Yield	Dr. Punit Choudhary Dr Prem
		Maize	Lack of superior hybrids/composite	SCH Composite	Hybrid Composite	Double dekalb. PMC-3	SKUAST -J	Seed	8kg	2000	25	50000	Germination, Grain yield Fodder yield	Dr. Punit Choudhary Dr Ravneet Kaur

		Wheat	Diseases and low yields	Disease resistance HYV's	Varieties	HD 1105 HD 3086 Unnat 550	IARI SKUAST -J PAU	Seed	40 kg	2000	25	50000	Germination, Disease incidence yield	Dr. Punit Choudhary
9.2	Oilseeds	Mustard Gobi sarson Torina Til	Low yield/ Pest problem	New Varieties	Variety	RSPN 25 DGS-1 RSPR-01	SKUAS T-J	Seed					Yield Pest incidence	Dr Ravneet Kour Dr Prem Kumar
9.3	Pulses	Mash Gram	Low yields/ Pest problem	New Varieties	Variety	PU 31/ GNG 1581 PBG-5	SKUAS T-J PAU	Seed				Under Cluster demonstrations	Yield	Dr. Punit Choudhary Dr Ravneet Kour
9.4	Commercial crops	White button Mushroom Oyster Mushroom	Lack of awareness	Preparation of compost/spawning and management	Variety	White button/ Dhingri	SKUAS T-J	Spawn/bags/chemicals						Dr. Sheetal Badyal Dr Prem Kumar
9.5	Horticultural crops	Marigold Medicinal trees	Poor returns from cereals Low yielding	Cultivation of Marigold Introduction of improved cultivars	Variety/ Cultivar	Pusa narangi Pusa Basanti Desi gutti NA-07/10 Kanchan	IARI/ SKUAS T-J SKUAS T-J	Seed/chemicals Saplings						Dr Ravneet Kour, Dr Sheetal Badyal Dr. Punit Choudhary Dr Ravneet Kour
9.6	Livestock	Chicks	low income	Improved breed	-	-	SKUAS T-J	Chicks	20 /family	1000	25	25000	Yield Income	Dr. Prem Kumar
9.7	Fisheries	Composite fish farming/ Ornamenta	Imbalance nutrition/ Wastage	Pelleted fish feed	-	-	GBP UA & T	Fish Seed, Lime pH paper	50 no 50kg	2500 750	4 20	10000 15000	Yield	Dr. Prem Kumar Dr. Punit

		l fish farming	of feed ingredient Poor mngt./ Inefficient use of natural feed/ Low prodn.	Mixed fish species in recommended ratio	Species	Mixed fish species	ICAR	KMno4 Mineral mixture Fish feed	2kg 2000 no	150 1200	15 15	2250 18000	Yield	Choudhary
9.8	Fodder	Berseem Oats	Lack of improved variety Low yield	New Varieti	Variety	Mascavi Sabzar, PLP-1	SKUAS T-J SKUAS T-K	Seed	10 kg 40 kg	3000 2000	10 5	30000 10000	Yield Yield	Dr. Punit Choudhary
9.9	Vegetable	Summer vegetable Winter vegetable	Low yield Low yield	New Varieti New Varieti	Variety Varieties		IARI IARI	Seed Seed					Yield Yield	Dr Ravneet Kour Dr Sheetal Dr Ravneet Kour Dr Sheetal
9.10	MAP's	Aonla, Harad, lemongrass etc.												

10 TRAINING FOR FARMERS/ FARM WOMEN DURING 2020-21

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
10.1	Horticulture Production	Vegetables	Poor crop management	FLD	• Nursery management in vegetable crops	1	20	Dr. Ravneet Kour
		Marigold	Poor crop management		• Scientific cultivation of marigold.	1	20	Dr. Ravneet Kour
		Vegetables/ Fruits	Poor yield/ diseases		• Propagation of fruit plants and their care • Scientific cultivation of cole crops • Disease management in summer vegetables • Cultivation of root crops	4	80	Dr. Ravneet Kour
10.2	Livestock Production	Milch Animal	Poor management	Trg	• Improvement of nutritive value of low quality roughages	1	20	Dr. Prem/ Resource person
					• Management of parasitic diseases in animals	1	20	
10.3	Home Science	Vegetables/ Cereals	Poor Nutrition	FLD	• Kitchen Gardening for ensuring nutritional adequacy of families • Enhancing the nutritive value of cereals and pulses	2	40	Dr. Sheetal Badyal
		Mushroom	Poor resources		• Empowering farm women through agro based entrepreneur activities • Processing of white button mushroom	1	20	Dr. Sheetal Badyal
			Drudgery		• Drudgery reducing technologies for household and agricultural operations	1	20	
		Vegetables /pulses	Poor Shelf life		• Processing of seasonal fruits and vegetables	1	20	Dr. Sheetal Badyal
10.4	Fisheries	Aquaculture	Lack of knowledge	FLD	• Composite fish Culture	1	20	Dr. Prem
					• Culture of Ornamental fishes	1	20	
					• Carp breeding	1	20	

			Feed Management	FLD/OFT	<ul style="list-style-type: none"> • Carp fry and fingerling rearing • Fish feed management of fry and fingerlings • Winter care of Fishes and its feeding 	1	20	Dr. Prem
			Low production		<ul style="list-style-type: none"> • Integrated fish farming 	1	20	Dr. Prem
10.5	Agro forestry	Fodder trees and grasses/ MPTs	Lack of knowledge	FLD	<ul style="list-style-type: none"> • Nursery raising of prominent fodder trees and grasses/ MPTS • Cultivation of medicinal trees (Jamun, Harad and Aonla) for higher income • Cultivation of medicinal and aromatic plants for higher income (Lemon grass Aloe vera, Khus grass) • Cultivation of medicinal trees (Jamun, Harad and Aonla) for higher income • Scientific cultivation of rabi fodder crops (Oats, barseem) • Cultivation of medicinal trees (Jamun, Harad and Aonla) for higher income • Production technology of economically important MPT's 	1	20	Dr. Punit Choudhary
			Low yield/ no of cuts	FLD		1	20	
			MAPs/ Trees	FLD		1	20	
	Medicinal and aromatic plants	Less cultivation	FLD/OFT	1		20		
		Lack of QLPM	FLD/OFT	1		20		
		Lack of QLPM	FLD	1		20		
				FLD/OFT		1	20	
10.6	Agriculture Extension	Sensitizing rural population		Trg.	<ul style="list-style-type: none"> • Awareness about doubling of farm income • Entrepreneurship development through Farmer Producers Organizations (FPOs) • Sensitizing rural population about rural development schemes • Mobilization of farmers for group approach for profitability of farm enterprises/crops 	1	20	
						1	20	
						1	20	
						1	20	
	Others, pl. specify				NEED BASED/ URGENT NATURE			

11. TRAINING FOR RURAL YOUTH DURING 2020-21

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
11.1	Horticulture Production	Vegetables & Fruits	-	-	Nursery raising as an enterprise.	1	20	Dr. Ravneet Kour
11.2	Home Science				Processing of seasonal fruits, cereals and vegetables for augmenting family income and consumption during COVID-19 lockdown situation	1	20	Dr. Sheetal Badyal
11.3	Fisheries Production Technologies	Fisheries	Lack of knowledge about other vocations in fisheries		Aquarium making as an entrepreneurial activity Breeding of ornamental fishes	1 1	20 20	Dr. Prem Kumar
11.4	Agro forestry	Harad, Aonla	Lack of planting techniques	FLD on improved planting materials of medicinal trees	Quality planting material production and Nursery raising an enterprise	1	20	Dr. Punit Choudhary
	Others, pl. specify							

12 TRAININGS FOR EXTENSION PERSONNEL DURING 2020-21

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Agroforestry	• Role of agroforestry in adaptation and mitigating climate change	1	20	Dr. Punit Choudhary Dr. Ravneet Kour Dr. Sheetal Badyal Dr. Prem Kumar Ms. Poonam Abrol
12.2	Home Science	• Processing of cereals and pulses (for Anganwari workers and supervisors)	1	20	Dr. Sheetal Badyal Dr. Punit Choudhary Dr. Ravneet Kour Dr. Prem Kumar Ms. Poonam Abrol
12.3	Horticulture	• Integrated pest management in vegetable and fruit crops • Integrated disease management in	2	40	Dr. Ravneet Kour Dr. Punit Choudhary Dr. Sheetal Badyal Dr. Prem Kumar Ms. Poonam Abrol

		vegetable and fruit crops			
12.4	Fisheries	• Bio-floc system for fish Culture	1	20	Dr. Prem Kumar Dr. Punit Choudhary Dr. Ravneet Kour Dr. Sheetal Badyal Ms. Poonam Abrol

13. SPONSORED TRAININGS DURING 2020-21

S. No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Home Science	Mushroom grower	200 hrs ASCI	Youth	20	ASCI	Dr. Sheetal Dr Punit Dr Ravneet Dr Prem
13.2	Fisheries	Aquaculture worker	ASCI 200 hrs	Youth	20	ASCI	Dr Prem Dr Punit Dr Ravneet Dr Sheetal

14 EXTERNALLY FUNDED PROJECT 2020-21

Discipline	Title
Agroforestry	Establishment of nursery cum production unit of quality planting material of commercially important medicinal trees/crops of Jammu subtropics” funded by RCFC North II NMPB
	Quality Nursery Stock Production, Good Agricultural Practices of Planting, Post-Harvest Handling and Processing of Medicinal and Aromatic Plants/Trees Borne Oil Seeds: -Submitted to ICAR-ATARI ZONE-1 Ludhiana

15. EXTENSION PROGRAMMES DURING 2020-21

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	10	200	Dr Punit Dr Ravneet
15.2	Diagnostic Visits	15	300	
15.3	Field Day's	8	320	
15.4	Group Discussions	02	50	
15.5	Kisan Ghosthi	02	50	
15.6	Film Show	15	1000	

15.7	Breast feeding day	01	250	Dr Sheetal Dr Prem Ms Poonam
15.8	Kisan Mela	01	300	
15.9	Exhibition	05	1500	
15.10	Scientists' visit to farmers field	36	360	
15.11	Plant/Soil health/Animal health camps	06	200	
15.12	Farm Science Club	-	-	
15.13	Ex-trainees Sammelan	01	50	
15.14	Farmers' seminar/workshop	01	100	
15.15	Method Demonstrations	10	100	
15.16	Celebration of important days	05	100	
15.17	Special day celebration	02	50	
15.18	Exposure visits	05	100	
15.19	Technology week,	01	100	
15.20	FFS			
15.21	Farm innovators meet	01	20	
15.22	Awareness programs	04	100	
	Others, pl. specify			
15.23	Seed Treatment campaigns	02	50	
15.24	Parthenium week	01	300	
15.25	Breast feeding week	01	200	
15.26	Farmer Scientist interaction	02	100	

16. ACTIVITIES PROPOSED AS KNOWLEDGE AND RESOURCE CENTRE DURING 2020-21

16.1 Technological knowledge

S. No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria	HYV Cereals, Fodder, Pulses, Oilseed	0.1	Dr Punit Dr Ravneet Dr Raju
16.1.2	Demonstration Units	Vermicompost Mushroom Fish pond	0.05	Dr Punit Dr Sheetal Dr Prem Dr Raju
16.1.3	Lab Analytical services			
16.1.4	Technology Week	HYV Cereals, Fodder, Pulses, Oilseed, Floriculture, Value addition	0.5	Dr Punit Dr Sheetal Dr Ravneet Dr Prem Mr Raju

16.2 Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2018-19	Names of the team members involved
16.2.1	Seeds	Wheat (Certified and Foundation) Paddy (B-370)	150.0 100.0	Dr Punit Mr. Raju Gupta
16.2.2	Planting materials	Medicinal/fruit Trees Grasses root slips	400 5000	Dr Punit Dr Ravneet Kour Mr Raju
16.2.3	Bio-products	Vermicompost	50.0	Dr Punit Mr Raju
16.2.4	Livestock strains			
16.2.5	Fish fingerlings	Composite fish	500	Dr Prem Kumar

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	Organic basmati	Dr Punit Choudhary Dr Ravneet Kour
	Horticulture	IPM Planting material	Dr. Ravneet Kour Dr. Punit Choudhary
	Animal Husbandry	Field problems	Dr Prem Kumar Resource persons
	Fisheries	Composite fish farming	Dr Prem Kunmar
	Agricultural Engineering	Field problems	Resource persons
	Sericulture	Field problems	Resource persons
	Others, pl. specify		
16.3.2	Literature/publication		Dr. Sheetal/Dr. Punit/Dr Prem Kumar/Dr Ravneet Kour
16.3.4	Electronic Media	Radio talks	Dr. Sheetal/ /Dr. Punit/ Dr Ravneet Kour /Dr Prem Kumar
16.3.5	Kisan Mobile Advisory Services		
16.3.6	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. Punit/ Dr Ravneet Kour /Dr. Sheetal/ Dr Prem Kumar/

17. ADDITIONAL ACTIVITIES PLANNED DURING 2020-21

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	IIT sponsored Unnat bhara abhiyaan	Rural livelihood	All technical interventions for upliftment of rural livelihood.		Dr. Punit Choudhary Dr Sheetal Badyal Dr Prem Kumar
17.2	Doubling farmers income	ICAR	Technological intervention for doubling farmers income		Dr. Punit Choudhary Dr Sheetal Badyal Dr Ravneet Kour Dr Prem Kumar

18. REVOLVING FUND

18.1 Financial status

Opening balance as on 01.04.2018 (Rs.in Lakh)	Expenditure incurred during 2018-19 (Rs.in Lakh)	Receipts during 2018-19 (Rs.in Lakh)	Closing balance as on 31.03.2019 (Rs.in Lakh)
53.87	2.17	2.62	57.20

18.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	Digging of two borewells	Increased yields and quality	-	Dr Punit Dr Sheetal Dr Prem Kumar Mr Raju.

19. ACTIVITIES OF SOIL, WATER AND PLANT TESTING LABORATORY DURING 2020-21

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	100	-
19.2	Water		
19.3	Plant		
19.4	Others		

20. E-LINKAGE DURING 2020-21

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared		
20.2	Creation and maintenance of relevant database system for KVK		
20.3	Any other (Please specify)		
20.4			

21. ACTIVITIES PLANNED UNDER RAINWATER HARVESTING SCHEME (ONLY TO THOSE KVKs WHICH ARE ALREADY HAVING SCHEME UNDER RAIN WATER HARVESTING)

S. No	Activities planned	Remarks if any
21.1		
21.2		

22. INNOVATIVE FARMER'S MEET

Sl.No.	Particulars	Details
22.1	Are you planning for conducting Farm Innovators meet in your district?	Yes
22.2	If Yes likely month of the meet	February
22.3	Brief action plan in this regard	All stakeholders will be invited.

23. FARMER'S FIELD SCHOOL PLANNED -

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1			

24. BUDGET - DETAILS OF BUDGET UTILIZATION FOR YEAR (2019-20) *AUC not generated yet

S. No	Budget Head	Sanctioned	Released	Expenditure	Balance
	Grant for creation of Capital Assets				
1	Works				
	A. Land Building				
	B. Building				
	(i) Office Building				
	(ii) Residential building				
	(iii) Minor Works	5.00	5.00	5.00	0.00
2	Equipment's (Small)	2.0	2.0	1.72	0.28
3	Information Technology	0.15	0.15	0.00	0.15
4	Library Books and Journals				
5	Vehicle & Vessels	0.00	0.00	0.00	0.00
6	Livestock				

7	Furniture and fixtures				
8	Others				
	Total-CAPITAL (Grants for creation of Capital Assets)	7.15	7.15	6.72	0.43
1.	Grant in Aid Salary				
a	Pay and allowances	125.00	125.00	125.00	0.00
b	Total Pay and Allowances	125.00	125.00	125.00	0.00
c	Grant in Aid-General				
2	Travelling allowance (Domestic)	0.60		0.45	0.15
a	Travelling allowance (Foreign)				
	Total TA				
3	A. Research Expenses	18.85		13.62	5.23
	B. Operational Expenses				
	C. Infrastructure	0.60		0.60	0.00
	D. Communication	0.40		0.15	0.25
	E. Other	0.40		0.25	0.15
	F. Publicity and Exhibitions				
	G. Guest house maintenance				
	H. Other Misc	0.40		0.12	0.28
	I. Repair and maintenance				
	(i) Equipment, Vehicle & Others				
	(ii) Office building	0.20		0.0	0.20
	(iii) Residential building				
	Grant Total (capital+Salary+General)	153.6		146.91	6.69

25. Details of Budget Estimate (2020-21) based on proposed action plan (Rs in Lac)

SL. No	Budget Head	Other than TSP	TSP	SCSP	Total
	Grant for creation of Capital Assets				
1	Works				
	C. Land Building				
	D. Building				
	(iv) Office Building				
	(v) Residential building				
	(vi) Minor Works	0.0	0.0	5.0	5.0
2	Equipment's				
3	Information Technology	0.0	0.0	0.15	0.15
4	Library Books and Journals			-	
5	Vehicle & Vessels	8.0	0.0	0.0	8.0
6	Livestock				
7	Furniture and fixtures				
8	Others				
	Total-CAPITAL (Grants for creation of Capital Assets)	8.0	0.0	5.15	13.15
1.	Grant in Aid Salary				
	Pay and allowances	125.0			125.0
	Total Pay and Allowances	125.0			125.0
	Grant in Aid-General				
2	Travelling allowance (Domestic)	1.0			1.0

	Travelling allowance (Foreign)				
	Total TA	1.0			1.0
3	A. Research Expenses	0.0		18.85	
	B. Operational Expenses	0.0			
	C. Infrastructure	0.60			
	D. Communication	0.40			
	E. Other	0.40			
	F. Publicity and Exhibitions	0.0			
	G. Guest house maintenance	0.0			
	H. Other Misc	0.40			
	I. Repair and maintenance				
	(iv) Equipment, Vehicle & Others	0.0			
	(v) Office building	0.20			
	(vi) Residential building	0.0			
	REVOLVING FUND	0.0			
	Total Recurring contingency	2.0	0.0	18.85	20.85
	Grant in Aid-General (RC+TA)	3.0	0.0	18.85	21.85
	Grant Total (Capital+Salary+General)	136.00	0.0	24.0	160.0