ANNUAL PROGRESS REPORT

(April 2022 – March 2023) KRISHI VIGYAN KENDRA, LEH





DIRECTORATE OF EXTENSION
S.K.UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY (K)
SHALIMAR CAMPUS, SRINAGAR -191121

ANNUAL REPORT 2022-23

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
KrishiVigyanKendra, SKUAST(K), Post Box: 146 LehLadakh – 194101 Tele/Fax: 01982-267389	01982- 252308	01982267389	kvkleh@gmail.com, kvkleh@yahoo.co.in

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Sher –e- KashmirUniversity of	0194-	0194-2462160	vcskuastk@gmail.com
Agricultural Sciences and	2462160		
Technology (SKUAST-K),	2462159		
Shalimar Campus Srinagar			
191121			

1.3. Name of the Programme Coordinator with phone, mobile No & e-mail

Name	Telephone / Contact				
	Residence	Mobile	Email		
Dr. Feroz Din Sheikh	Pologround, Near SP	6005564775	aizar22@gmail.com		
	Office LehLadakh				

1.4. Year of sanction: No. 5-5/93-KVK-AF II Dated: 11-10-1994

1.5. Staff Position (as on 31st March2023)

Sl. No.	Sanctioned post	Name of the incumbent	Age	Discipline with highest degree obt.	Pay Band & Grade Pay (Rs.)	Date of joining in KVK	Permanent /Temporary	Contact No	Categ ory (SC/S T/ OBC/ Other s)
1	Programme Coordinator	Dr. Feroz Din Sheikh		Animal Science	144200- 218200 RL-14	15/10/2020	Permanent	Mob: 600556477 Email: aizar22@gmail.com	ST
2	Subject Matter Specialist	Dr. SabiyaAs mat		Home Science	144200- 218200 RL-13A	13/8/2020	Permanent	Mob:9419177614 Email: asmatsabiya@gmail.com	ST
3	Subject Matter Specialist	Dr. KunzangL amo	39	Veg. Science	57700- 182400 RL-10	2/8/2017	Permanent	Mob: 7051222181 Email: kunzanglamo@gmail.com	ST
4	ProgrammeAs	RigzinSaf	44		35400- 112400	3/1/2013	Permanent	Mob:9797461244	ST

	sistant	al		L-6			Email: rigsafa@gmail.com	
5	Computer Programmer	Sonam Angchuk	49	57700- 182400 RL-10	27/10/2002	Permanent	Mob: 9419219676 Email: angchuks@gmail.com	ST
6	Farm Manager	Jigmet Laskit	37	35400- 112400 L-6	3/1/2013	Permanent	Mob:9906124407 Email:jamielhas@gmail.co m	ST
9	Driver	Mr. TashiGyal po	55	35400- 112400 L-6	01/03/1997	Permanent	Mob: 9906677815	ST
10	Supporting staff	Mr. TseringD orjay	48	14800- 47100 L-1	01/10/1998	Permanent	Mob:9622032141	ST
11	Supporting staff	Mrs. TseringCh ondol	36	35400- 112400 L-6	19/11/2013	Permanent	Mob: 9622983343	ST

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings and roads	1.00
2.	Demo Units	0.51
3.	Fodder Production	4.10
4.	Agroforestry	11.70
5.	Cereal crops	1.30
6.	Uncultivated/Undulated land	1.39
	Total (ha)	20.00

1.7. Infrastructural Development:

A) Buildings

		Source	Stage						
S.		of		Complete			Incomplete		
No.	Name of building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	ICAR	8/2005	1036	20,90,000			Complete	
2.	Farmers Hostel							Not constructed	
3.	Staff Quarters							-do-	
4.	Demonstration Units							-do-	
5	Fencing							-do-	
6	Rain Water harvesting system							-do-	
7	Threshing floor							-do-	
8	Farm godown							-do-	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Ford 3600 (Tractor +	1995-96	2,47000.00	61231hrs	Need replacement

Accessories)				
Tata Sumo JK-10 -2132	2002	439600.00	213342kms	Need replacement
Motor Cycle (Hero Honda Passion Plus)	2011	48410.00	19996kms	In good condition

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Type writer	16.04.1996	9,861	Working
Xerox machine	07.09.1996	15,924	-do-
Computer PC (Multimedia)	07.03.2003	51,370	-do-
Printer LaserJet	15.03.2003	21882	-do-
UPS	24.3.2003	9899	-do-
Fax	6-10-2005	14,062	-do-
Photocopier	16-03-2006	75,906	-do-
Digital camera	24-03-2006	17,000	-do-
Sony Memory Stic 256 MB	24-03-2006	2,200	-do-
Pen Drive 512 MB Transcend	24-03-2006	391	-do-
Pen Drive 2GB	10/1/2007	2000	
Pen Drive 8GB	25/3/2014	500	
UPS 1 KVA Microtek	26/3/2007	4850	
Pen Drive 4GB (2 Nos)	25/3/2008, 28/3/2012	1500, 750	
DVD Writer Samsung	19/8/2009	1700	-do-
Laser Printer	13-03-2006	30600	-do-
Scanner	13-03-2006	2600	-do-
Inkjet printer	13-03-2006	14300	-do-
Kjeldal digestion cum distillation	16-03-2006	18,562.05	-do-
unit (2)			
Ph. Meter (1)	16-03-2006	13,387.50	-do-
Shakers (2)	16-03-2006	13,680.00	-do-
Oven Hot air (1)	16-03-2006	19,800.00	-do-
Refrigerator (1)	16-03-2006	15,250.00	-do-
Digital Electronic balance (1)	16-03-2006	87,750.00	-do-
Digital Electronic balance (1)	16-03-2006	12,336.75	-do-
Digital Conductivity meter(1)	16-03-2006	8,437.00	-do-
Plant grinder (1)	16-03-2006	25,851.35	-do-
UV-VIS Spectophotmeter (1)	16-03-2006	99,000.00	-do-
Hot plate (1)	16-03-2006	21,375.00	-do-
Quartz double distillation apparatus	16-03-2006	1,06,762.05	-do-
(1)			
Flame photometer (1)	16-03-2006	39,065.62	-do-
Toshiba TDPT-100, Multimedia	2006-07	94639.00	-do-
Projector			
5 Frontech Head Phone	2009	@Rs.88.40	Working
5 Frontech Web Cam	2009	@Rs460	-do-
5 Frontech Speakers	2009	@ Rs239	-do-
Online UPS 3 KVA	2009		-do-
HP lazerjet Printer	2009		

2009		-do-
		-do-
		-do-
		-do-
		Not installed
		Working
		-do-
2010		-00-
11/2/2011	6500	
		1-
		-do-
		-do-
		1
		-do-
		-do-
		1
		-do-
20/3/2014	6800	Not working
27/2/2017		
		Working
		-do-
10/3/2016	75600	-do-
5/3/2016	45700	-do-
2016		-do-
2016		-do-
	25000	-do-
2016	25000	-do-
2016	4500	-do-
24/3/2017	20100	-do-
24/3/2017	32500	-do-
		-do-
		-do-
30/3/2017	97325	-do-
30/3/2017	78000each	-do-
30/3/2017	41449	-do-
	2009 2010 2010 2010 2010 11/3/2011 11/3/2011 14/3/2011 16/3/2011 25/3/2011 29/1/2012 29/3/2014 27/3/2013 25/3/2013 25/3/2013 25/3/2013 25/3/2013 25/3/2013 25/3/2015 29/6/2015 10/3/2016 2017 30/3/2017	2009 2010 2010 2010 2010 2010 2010 2010 11/3/2011 2500 14/3/2011 3400 16/3/2011 1000 25/3/2011 72500 22/6/2011 1150 29/1/2012 1400 29/3/2014 10200 27/3/2013 9500 25/3/2013 250 25/3/2013 250 25/3/2013 250 25/3/2013 950 20/3/2014 6800 27/3/2015 9000 29/6/2015 1790 10/3/2016 75600 5/3/2016 45700 2016 25000 2016 25000 2016 25000 24/3/2017 32500 24/3/2017 32500 24/3/2017 52250 30/3/2017 78000each

Deep Freezer Blue Star 300 ltrs with	30/3/2017	45513	-do-
Stabilizer 1KVA 2Nos	30/3/2017	43313	-40-
Data logger Model E24SV-2 5 Nos	30/3/2017	11420 each	-do-
Water bath Labotech BDI-60 1 No	30/3/2017	29000	-do-
Hot plate Labotech BDI-75	30/3/2017	6100	-do-
Hot Air Oven with Vacumm Pump	30/3/2017	68700	-do-
Labotech BDI-53			
Heat Pillar Volmax (5Nos)	21/11/2017	3500 each	-do-
UPS Online (100VA) Luminous 5		3772 each	-do-
No			
Cabinet Speaker Ahuja (SRX-250DX) 2 Nos	30/3/2018	7487 each	-do-
Amplifier Ahuja TZA-4000BPM 1No		216039	-do-
Combos Ahuja WA-625 DPR 1No	30/3/2018	16533	-do-
Micro Phone Ahuja AWM-900UH 1	30/3/2018	9881	-do-
No			
AC DC Adapter AWM-900UH 1 No		550	-do-
Microphone Ahuja PGM-625 2 Nos		1779 each	-do-
HP Printer-LJ1108 2 Nos	30/3/2018	9990 eacj	-do-
LPG Heater with Regulator 3 Nos	30/3/2018	10830 each	-do-
HP Desktop All in One PC 1 No	3/3/2018	32200	-do-
Soil Hydrometer Zeal Made	31/3/2018	7700	-do-
CCTV Camera 1 set of 4 Camera Hardisk 2TB	31/3/2018	28000	-do-
Pulper-100 B-Sen & Berry & Co 1	31/3/2018	25600	-do-
No		0600	1.
Crown Corking Machine B-Sen & Berry & Co 1 No		9600	-do-
Printer HP Pro MFP-M126 WM 1		16000	-do-
No		10000	-40-
Heat Pillar Gopi	1/12/2018	4000 each	-do-
HP Laserjet All in One Model 1138	17/5/2019	14500 each	-do-
2 No	177012019	11200 54511	
Land leverllerAgroking	25/3/2019	25000	-do-
MB Plough To Fro Agroking	25/3/2019	42857	-do-
Disk Plough TO Fro Agroking		41071	-do-
Cultivator 9 Tine Agroking	25/3/	22321	-do-
Hedge Shear Falcon Modelr FNS999	28/3/2019	675 each	-do-
(P) 3 Nos			
Sickle SPS (P) 3030 Falcon 10 Nos		165 each	-do-
Garden Hoe Falcon FGWM-200 10		370each	-do-
Nos			
Spring Raji Falcon FSBR-48 3 Nos		490 each	-do-
Rake Falcon FRWN-12 3 Nos		365 each	-do-
Hand Tool Falcon SPS-200 10 Nos		110 each	-do-
Falcon FW-900 11 Nos		90 each	-do-

Falcon FWT-2002 10 Nos		125 each	-do-
Falcon FWT-2003 10 Nos		95 each	-do-
Falcon FCN-305 9 Nos		95 each	-do-
Falcon Hedge Trimmer FEGS-103 1		6590	-do-
No			
Showerl Falcon FRS-3000 5 Nos		1045 each	-do-
Spade Falcon SPRL-25 6 Nos		305 each	-do-
Spade SPKW-50 6 Nos		495 each	-do-
Budding Graft FPGT-2004 1 No	30/3/2019	1100	-do-
SLOT Graft FPGT-2002 1 No	30/3/2019	925	-do-

1.8. A). Details SAC meeting* conducted in the year2022-23

Sl.	Date	Name and	Designation of	No. of	Salient Recommendations	Action
No.		Part	icipants	absentees		taken
1	6/09/2022	Prof. (Dr.) N. A Ganai,	Hon'ble Vice Chancellor (HVC) SKUAST-K.		Annexure 1 enclosed	
2		Sh. Ravinder Kumar	IAS Secretary to HLG & Secretary (PDD/Animal & Sheep/Coop/Youth & Sports)			
		Sh. Stanzin Chosphel,	Executive Councillor (Agriculture.) LAHDC-Leh			
2		Sh. Tashi Namgyal Yakzee	Executive Councillor (Animal) LAHDC Leh			
		Prof. (Dr.) Dil Muhammad Makhdoomi	Director Extension, SKUAST-K			
3		Dr. D. Namgyal	Associate Director (R&E) HMAARI			

2. DETAILS OF DISTRICT (2022-23)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Irrigated (borewell): NA
2	Irrigated (canal): Agri – Horti. System, Agri – Pastoral System
3	Tank Irrigated: NA
4	Rainfed: NA
5	Enterprises: NA

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
		1. Heavy snowfall
		2. Low/Negligible rainfall
		3. Dry, Harsh winter
		4. Short growing season (3 -7 month)
		5. Harmful UV radiations
		6. Sharp fluctuation in temperature (-37°C to +38°C)
1	Cold Arid Zone	7. High altitudes (8500-15000ft ASL-Inhabited villages)
1	Cold Alld Zolle	Characteristics
		a) 11,800-15000 ft
		b) Agri pastoral area
		a) 10,000 -11,800 ft
		b) Single cropped area
		a) <10,000 ft
		b) Double cropped area

2.3 Soil type/s

2.3	Son type/s		
S. No	Soil type	Characteristics	Area in ha
		1. Coarse texture, permeable & desert in nature	
		2. Saline reaction pH ranges from & 7.5 to 9.5	
	San day la ann (mai anitay af anna)	3. Nutrient & water holding capacity low	
1	Sandy loam (majority of area)	4. Soil surface is marked by temperature fluctuation	
		of high degree	
2	Silt clay (very limited patches) 5. Nutrient status poor		
_	Sin clay (very infinited pateries)	6. Due to poor structure, texture & freezing in	
3	Clay loam (very limited	winter soil micro flora population is sparse.	
	patches)	7. Sand content is high while clay content is very	
	pateries)	low	
		8. Crust formation after irrigation is common.	
		9. Soil development proceeds slowly.	

2.4. Area, Production and Productivity of major crops cultivated in the district

2010 1110	2000 Through thouseld the first of the first through the first the district			
S. No	Crop	Area (ha)	Production (Qtls)	Productivity (Qtls /ha)
1	Barley and millets	4491	21465	6.73
2	Wheat	2509	12900	5.7
3	Pulses	267	4798	17.1
4	Oilseed	105	6.15	17.1
5	Other Millets	318	4.00	50.0
6	Vegetables		1326.00	

7	Fodder	2112	1188.00	
	Spices	6		
8	Apricot	654.6	3139.63 (MT)	
9	Apple	358.66	3816.83 (MT)	
10	Pear		8.46 (MT)	
11	Peach		7.45 (MT)	
12	Plum		0.52 (MT)	
13	Grapes		9.43 (MT)	
14	Almond		0.51 (MT)	
15	Walnut		111.91 (MT)	
16	Cherry		0.08 MT)	
	Others	41.242		

2.5. Weather data (2022-23)

Month	Rainfall (mm)	Temperature (⁰ C)		Relative Humidity (%)
		Maximum	Minimum	Truilliaity (70)
January	0.3	-2.56	-14.79	53.87
February	1.5	10.00	-22.00	42.94
March	0.5	11.10	-5.60	29
April	0	16.13	-0.08	27.53
May	0	19.24	2.70	30.77
June	0	22.54	7.71	46.16
July	0	25.35	11.33	48.91
August	0	26.21	11.85	48.55
September	0	23.14	8.26	48.38
October	0	12.86	-1.38	34.33
November	0	7.12	-7.6	44.11
December	2	1.25	-14.16	42.30

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

2.7. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity	
Cattle				
Crossbred	12567	8500 MT	600 lit/lact/cow/ Dzomo	
Indigenous	34240	8300 MT		
Buffalo				
Sheep			•	
Crossbred	1459			
Indigenous	81192			
Goats	222028			
Pigs				
Crossbred				
Indigenous				
Rabbits				
Poultry				
	34483			

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Camel	214	
Horses and Ponnies	5066	
Donkeys	5667	
Yaks	16357	
Hens		
Desi		
Improved		
Ducks		
Turkey and others		

Category	Population	Production	Productivity
Cattle	-		
Crossbred	8529		600
Indigenous	24659		lit/lact/cow/
Yak/Demo	18904	8500 MT	Dzomo
Yak-hybrids	10725		250
•			lit/lact./Demo
Horses	8141		
Donkeys	8204		
Sheep			
Indigenous:		Wool (lac kgs)	
a. Changluk	62622		1.300
b. Malluk	42932	1.34	kg/animal
c. Crossbred	13570		
Goats		Pashmina (lac. Kg)	
Pashmina	196345	0.39	150g/animal
Malra	63589		
Angora Crossbred	2004		
Alpine	1967		
Poultry	7567		
Camel (Double humped)	109		
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (2022-2023)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Leh	Leh	Saboo, Shey, Phyang, Nimoo, Thiksay, Basgo, Ranbirpura	Barley, Wheat, Oilseed, Pulse, fruits, vegetables, Fodder, Livestock rearing.	 Non availability of quality planting material both in agricultural as well as Horticulture crops. Lack of assured irrigation and power supply. Poor Soil fertility status. Lack of marketing facility for agricultural produce. Lack of mechanization in agriculture. Inaccessibility of village impedes transfer of technology. 	Improved crop production, fruit/veg. processing techniques, off season vegetable production technology, floriculture, Dairying, Revival of local crafts.
1	Leh	Chushot	Chushot, Matho, Stok		-do-	Improved crop production, fruit/veg. processing techniques, off season vegetable production technology, Dairying

2	Leh	Khaltsi	Saspol, Domkhar, Skurbuchan, Khaltsi, Hanu, Domkhar	Barley, Wheat, fruits, Oilseed, Pulse, Livestock, Fodder,	-do-	Improved crop production of Oilseed, Pulse technologies, Raising fruit nurseries, fruit/vegetable, Off season vegetable production technologies, Dairying, local crafts and revival of second crops.
3	Leh	Kharu	Shara, Stakna, Martselang, Igoo, Sakti Chemday, GyaMeru	Barley, Oilseed, Pulse, Livestock, Fodder, Vegetables, Wheat and fruit crops	-do-	Improved crop production technologies, Pulse and Oilseed production, Dairying, local crafts, off season vegetable production technology.
4	Leh	Nubra	Diger, Tangyar, Khema, Bogdang, Turtuk, Hunder, Sumoor, Kagar Panamic, Charasa	Fodder, Wheat, Barley, Oilseed, Livestock, Pashmina, Sheep, Yak	-do-	Improved crop production of Oilseed, Pulse technologies, Raising fruit nurseries, fruit/vegetable, Off season vegetable production technologies, Dairying, local crafts and revival of second crops.

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Crop Production. Horticulture	 Enhancing productivity of cereal crops. Efficient use of water for enhanced crop production Pulse and Oilseed production. Fodder and pasture development. INM and IPM Raising vegetable and fruit nurseries. Rejuvenation of old orchards/fruit trees Fruit and vegetable processing technologies. Off season trench vegetable production technology.
Agroforestry	 Management of apple codling moth and apricot gummosis. Introduction of new horticultural crops/ varieties in the region. Raising of tree saplings. Adoption of suitable agro-forestry models.
Animal Sciences	 Economical and balanced feeding of milch animals Vaccination of animal against FMD and CCPP. Poultry farming. Breeding improvement. Dairy farming.
Home Science	 Preservation and processing of seasonal vegetable and fruits including seabuck thorn. Training in local crafts, tailoring, knitting, carpet making.
Allied Subjects	 Vocational training courses for unemployed rural youth. Apiculture and Mushroom production. Medicinal Plants Vermiculture

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2022-23

OFT	(Technology Asse	essment and	Refinement)	FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises						
		1				2				
Num	ber of OFTs	Numb	er of Farmers	Num	ber of FLDs	Numb	er of Farmers			
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement			
3	3	12	12	4	3	114	27			

Training (inclu	0 1	red, vocational a inwater Harvesti 3	Extension Activities					
Nu	mber of Cou	rses	of Participants		ber of vities		ber of ipants	
Clientele	Targets	Achievement	Targets	Achievement	Targets Achieve ment		Targets	Achiev ement
Farmers	54	66	1195	2961	56	95	2560	7473
Rural youth	8	0	210	0				
Extn. Functionaries	1	0	25	0				
	Seed Prod	uction (Otl.)	1		Planti	ng material	(Nos.)	- 1

	5	6				
Target	Achievement	Target	Achievement			
-	-	2.25lac	107325			

Livestock, poultry stra	nins and fingerlings (No.)	Bio-products (Kg)				
	7		8			
Target	Achievement	Target	Achievement			
-	-	2.0qtls	3650.35kgs			
		-				

3.B. Abstract of interventions undertaken

								Intervent	tions					
S. No	Thrust area	Crop/	Identified	Title of OFT if	Title of FLD	Number of	Number of	oj	Extension	Supply	Supply of planting	Supply of	Supply of produc	f bio cts
		Enterprise	Problem	any	if any	Training (farmers)	Training (Youths)	Training (extension personnel)	activities (No.)	of seeds (Qtl.)	materials (No.)	livestock (No.)	No.	Кд
1														
2														
3	Horticulture (vegetable)	Onion		Evaluation of Onion Varieties Under Ladakh conditions		2			4		45			
		Potato	Low yield	Evalution of potato varieties under Ladakh conditions		3			4		450 seedlings			
		Cucumber	Low yield and frost injury		Demonstration of Cucumber Hybrid- Aviva	3			2					
		Broccolli	Lack of suitable varieties for the region		Demonstration of Broccoli hybrid- Fantasy	4			3					

3.1 Achievements on technologies assessed and refined

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation				-	2			_		2
Seed / Plant										
production										
Weed Management										
Integrated Crop										
Management										
Integrated Nutrient										
Management										
Integrated Farming										
System										
Mushroom										
cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest										
Management										
Integrated Disease										
Management										
Resource										
conservation										
technology										
Small Scale income	•									
generating										
enterprises										
TOTAL					2					2

^{*} Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.

A.2. Abstract of the number of technologies **refined*** in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant										
production										
Weed Management										
Integrated Crop										<u> </u>
Management										
Integrated Nutrient										
Management										
Integrated Farming										
System										
Mushroom										
cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest										
Technology										
Integrated Pest										
Management										
Integrated Disease										
Management										
Resource										
conservation										
technology										
Small Scale income	<u> </u>									
generating]
enterprises										
TOTAL										

^{*} Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.

A.3. Abstract of the number of technologies **assessed** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management	1							1
Feed and Fodder								
Small Scale income generating								
enterprises								
TOTAL	1							1

A.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating								
enterprises								
TOTAL								

3.2. Achievements on technologies Assessed and Refined

3.2.1. Technologies Assessed under various Crops

Thematic areas Crop		Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)	
Integrated Nutrient Management						
Varietal Evaluation		Evaluation of Potato Varieties Under Ladakh conditions	5	5	0.25	
varietal Evaluation		Evaluation of Onion Varieties Under Ladakh conditions	6	6	0.043	
Integrated Pest Management						
Integrated Crop Management						
Integrated Disease Management						
Small Scale Income Generation Enterprises						
Weed Management						
Resource Conservation Technology						
Farm Machineries						
Integrated Farming System						
Seed / Plant production						
Value addition						
Drudgery Reduction						

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Storage Technique					
Mushroom cultivation					
Total					

3.2.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management					.
Varietal Evaluation					
Integrated Pest Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Seed / Plant production					
					<u> </u>
Total					

3.2.3. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management		OFT on clean milk production by use of potassium permanganate (KMnO4) and portable milking Machine	1	4
Feed and fodder				
Small scale income generating enterprises				

3.2.4. Technologies Refined under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

B. Details of each On Farm Trial to be furnished in the following format

A. Technology Assessment

Trial 1

Title	:	Evaluation of Potato Varieties Under Ladakh conditions
Problem diagnose/defined	:	Lack of suitable variety affecting potential yield
Details of technologies selected for	:	Fo: Farmers Practice (K. Chandramukhi)
assessment		F1: KufriPukhraj
		F2: KufriHimalni
Source of Technology	:	ICAR-CPRI
Production system and thematic	:	Planting tubers in Flat bed system and channel irrigation
area		
Thematic Area	:	Horticulture
Performance of the Technology		KufriHimalini performed best compared to KufriPukraj
with Performance		and Farmers Practice (KufriChandramukhi). It gave an
indicators		av. Yield of 31.6T/ha. Also K. Pukraj had less
		acceptability due to purplish colouration of the flesh
Final recommendation for micro	:	KufriHimalini better than both K. Pukhraj and K.
level situation		Chandramukhi (Farmers' practice)
Constraints identified and feedback	:	Availability of seeds and their transportation
for research		-
Process of farmers participation and	:	Very happy and satisfied with the results. Though
their reaction		Himalini and Pukhraj had almost similar yields and
		storahe, acceptability was more in Himalini due to
		uniformity in fleshcolour

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Potato	Flatbed and irrigated	Lack of suitable variety affecting potential yield	Evaluation of Potato Varieties Under Ladakh conditions	5	Fo: Farmers Practice (K. Chandramukhi) F1: KufriPukhraj F2: KufriHimalni	Yield and storability	1) 24.4t/ha 2) 31.6t/ha, good storer 3) 31t/ha, good storer	KufriHimalini performed best compared to KufriPukraj and Farmers Practice (KufriChandramukhi). It gave an av. Yield of 31.6T/ha. Also K. Pukraj had less acceptability due to purplish colouration of the flesh	. Very happy and satisfied with the results. Though Himalini and Pukhraj had almost similar yields and storahe, acceptability was more in Himalini due to uniformity in flesh colour

Technology Assessed	*Production per unit(ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
1) Varietal evaluation of Potato	1) 24.4t	599400	5.52
	2) 31.6t	815400	7.14
	3) 31t	797400	7.01
	1. 39.2t/ha, good storer	1075200	11.67
	2. 42t/ha, medium storer	1159200	12.5
	3. 50.1t/ha, medium	1402200	14.9
	4. 52.8t/ha, good storer	1483200	15.71

Trial 2

Title	:	Evaluation of Onion Varieties Under Ladakh conditions
Problem diagnose/defined	:	Lack of suitable open pollinated variety
Details of technologies selected for	:	T1: B. Safed
assessment		T2: B. Shakti
		T2: B. super
		T3: B. Shewta
		T5: B. Kiran
		T6: B. Raj
		T7: B. Shubra
		T8: B. L. Red
Source of Technology	:	ICAR-DOGR, Pune
Production system and thematic	:	Seedling transplanting in flat beds and channel irrigated
area		
Thematic Area	:	Horticulture
Performance of the Technology	:	Bheema Shakti performed best with an average yield of
with Performance		Bheema Shakti performed best with an average yield of
indicators		56.2t/ha followed by Bheema Light Red 52.8 t/ha.
		BheemaKiran gave the least yield 39.2 t/ha) among
		bheema varieties. Farmers variety (local) gave an
		average yield of 34.5t/ha performing far below the
		DOGR varieties
Final recommendation for micro	:	Bheema Shakti,Bheema Light Red and
level situation		Bheemashewtaare the best with regards to yield and
		storability
Constraints identified and feedback	:	Availability of suitable open pollinated affordable onion
for research		seeds
Process of farmers participation and	:	Very happy and satisfied with the results. Farmers can
their reaction		now produce their own seeds and their dependency on
		hybrids would lessen in the coming years

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Onion	Transplanted and irrigated	Lack of suitable open pollinated variety	Evaluation of Onion Varieties Under Ladakh conditions	5	T1: B. Safed T2: B. Shakti T3: B. super T4: B. Shewta T5: B. Kiran T6: B. Raj T7: B. Shubra T8: B. L. Red	Yield and storability	1) 42.5t/ha, good storer 2) 56.2t/ha, good storer 3) 45.5t/ha, good storer 4) 50.3t/ha, good storer 5) 39.2t/ha, good storer 6) 42t/ha, mediumstorer 7) 50.1t/ha, medium 8) 52.8t/ha, good storer	Bheema Shakti performed best with an average yield of 56.2t/ha followed by Bheema Light Red 52.8 t/ha. BheemaKiran gave the least yield 39.2 t/ha) among bheema varieties. Farmers variety (local) gave an average yield of 34.5t/ha performing far below the DOGR varieties	Very happy and satisfied with the results. Farmers can now produce their own seeds and their dependency on hybrids would lessen in the coming years

Technology Assessed	*Production per unit(ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
2) Varietal evaluation of onion	5. 42.5t/ha, good storer	1174200	11.64
	6. 56.2t/ha, good storer	1585200	16.72

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7. 45.5t/ha, good storer	1264200	13.54
8. 50.3t/ha, good storer	1408200	14.97
9. 39.2t/ha, good storer	1075200	11.67
10. 42t/ha, medium storer	1159200	12.5
11. 50.1t/ha, medium	1402200	14.9
12. 52.8t/ha, good storer	1483200	15.71

Trial:3

Title	:	OFT on clean milk production by use of potassium permanganate (KMnO4) and portable milking Machine
Problem diagnose/defined	:	Unhygienic Milk Production and occurrence of odour in milk and mastitis.
Details of technologies selected for	:	Clean milk production using KMnO4 and
assessment		Portable milking machine
Source of Technology	:	Applied Research Findings
Production system and thematic area	:	Livestock Production
Thematic Area		Milk Production
Performance of the Technology with		Decrease in bacterial load in milk as indicated
Performance indicators		by Low Standard Plate count/ml and Increase in milk production.
Final recommendation for micro	:	Recommended one unit for 5 dairy cows for
level situation		hygienic milk production.
Constraints identified and feedback	:	Lack of awareness, knowledge and non-
for research		availability among farmers of Leh
Process of farmers participation and	:	Very enthusiastic and positive regarding milk
their reaction		quality improvement.

Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Milk Production	Lack of Knowledge about Hygienic Milk Production and occurance of bad odour in milk and mastitis	Presence of bad odour in milk and mastitis	Demonstration on clean milk production by use of potassium permanganate (KMnO4) and portable milking Machine	4	Clean milk production using KMnO4 and Portable milking machine	Standard plate count of milk for accessing bacterial load.	Standard plate count per ml and lactation yield	Not more than 200000 per ml	Visible improvement in milk (quality and quantity) production

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Clean milk production using KMnO4 and Portable milking machine	Extra 135litres of milk per lactation in treated cows	Rs 5400/animal/year	3.8:1

PART 4 - FRONTLINE DEMONSTRATIONS

4.A. Summary of FLDs implemented during 2022-23

	Category	Farming Situation	Season and	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated		ea (ha)	de	o. of farme emonstratio	on	Reasons for shortfall in
		Situation	Year	_	breea			Demonstratea	Proposed	Actual	SC/ST	Others	Total	achievement
	Oilseeds													
	Pulses													
	Cereals													
	Millets													
	Vegetables													
	Cucumber							Demonstration of						Maximum
			Kharif					Cucumber						yield and
		Irrigated	2022	Cucumber		Aviva			0.0040	0.0045	10		10	sweet fresh
			2022					Hybrid- Aviva						fruits
	Broccoli							Demonstration of						
			Kharif	D 1'		.		Broccoli hybrid-	0.000	0.010	1.0		1.0	Compact and
		Irrigated	2022	Broccoli		Fantasy		Fantasy	0.008	0.018	10		10	uniform yield
								Tunusj						•
+	Flowers													
+	riowers													
+														
+	Fruit													
	Melon													
+	Apricot													
+	Apple													
	Spices and													
	condiments													
7														
1	Commercial										1			
1											†			
1	Medicinal and										†			
	aromatic													
1											1			
+			 		+				 		+			
+	Fodder				+						-			
+	rouder				+						-			
+					+						-			
+	Dairy				+			Effect of Dosing on			-			
	Dany		Kharif		Jersey			Gastrointestinal						
			2022	Jersey Cows	Cows			Parasite in Dairy			4		4	
			2022		Cows			Cows						
					+	ļ	+	COWS	1		+	-	1	

Sl. No.	Category	Farming	Season and	Стор	Variety/	Hybrid	Thematic area	Technology Demonstrated	Are	ea (ha)	de	o. of farme emonstratio	on	Reasons for shortfall in achievement
No.		Situation	Year	•	breed	,		Demonstratea	Proposed	Actual	SC/ST	Others	Total	achievement
	Poultry													
-	Poultry													
	Piggery													
	Sheep and goat													
	sheep and goar													
	Button													
	mushroom													
	Vermicompost													
	IFS													
	Apiculture								-					
	Implements													
		_												
	Others													
	(specify)													

4.A. 1. Soil fertility status of FLDs plots during 2022-23

Sl. No.	Category	Farming	Season and	Crop	Variety/	Hybrid	Thematic	Technology Demonstrated		Status of soil (Kg/Acre)		Previous crop
No.		Situation	Year	1	breed		area	3,	N	P	K	grown
	Oilseeds											
	D 1											
	Pulses											
	Cereals											
	Buckwheat											
	Millets											
												_
	Vegetables											
	Vegetables							Demonstration of				
		Irrigated	Kharif 2022	Cucumber		Aviva		Cucumber Hybrid- Aviva	205	10	125	
		Irrigated	Kharif 2022	Broccoli		Fantasy		Demonstration of Broccoli hybrid-Fantasy	220	10	130	
	Flowers Fruit											
	Melon											
	Wicion											
	Spices and											
	condiments											
	Commercial											
	Medicinal and											
	aromatic											

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Sl. No.	Category	Farming Situation	Season and	Crop	Variety/	Hybrid	Thematic	Technology Demonstrated		Status of soil (Kg/Acre)		Previous crop
No.	Curegory	Situation	Year	C. op	breed	11,0.10	area	Teemotogy Demonstrated	N	P	K	grown
	Fodder											
	Dairy	Irrigated	2022		Jersey Cows			Effect of Dosing on Gastrointestinal Parasite in Dairy Cows.				
	Poultry											
	Piggery											
	Sheep and goat											
	Button mushroom											
	X7											
	Vermicompost											
	IFS											
	Apiculture											
	Implements											
	mpicinents											
	Others (specify)											

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B. Results of Frontline Demonstrations

4.B.1. Crops

	Name of the	Vanista	IIli.J	Farming	No. of	Area		Yie	eld (q/ha)		%	*Econon	nics of demor	stration (Rs	./ha)	k	Economics of (Rs./ha	f check	
Crop	technology demonstrated	Variety	Hybrid	situation	Demo.	(ha)		Dem	10	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							Н	L	A										
Oilseeds																			
Pulses																			
Cereals																			
																			<u> </u>
Buckwheat																			
Millets																			
Vegetables																			1
Broccoli	Demonstration																		
	on Broccoli Hybrid Fantasy		Fantasy	Irrigated	10	0.0108	311	307	309	210	47.00	550000	1236000	686000	2.24	515000	840000	325000	1.63
Cucumber	Demonstration on cucumber Hybrid Aviva		Aviva	Irrigated	10	0.0045	948	942	945	486	94	1208595	3780000	2548108	2.16	1085000	1701000	616000	1.6
	Hybrid Aviva																		
Tomato/Melon																			
Flowers																			
Fruit																			<u> </u>
Melons																			
Apricot										<u> </u>									<u> </u>

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Crop	Name of the technology	Variety	Hybrid	Farming	No. of	Area		Yie	eld (q/ha)		%	*Econor	nics of demor	stration (Rs	./ha)	k	Economics of (Rs./ha	f check	
Crop	demonstrated	variety	Пуони	situation	Demo.	(ha)		Dem	0	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							Н	L	A										
Apple																			
Spices and condiments																			
Commercial																			
Medicinal and aromatic																			
Fodder																			

^{*} Economics to be worked out based total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST ; $H-Highest\ Yield,\ L-Lowest\ Yield\ A-Average\ Yield$

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

	Data on other parameters in relation to technology demonstrated										
Crop	Technology to be demonstrated	Variety/ Hybrid	Parameter with unit	Demo	Check						

4.B.2. Livestock and related enterprises

	Livestock ar	14 1 612	No.	No.	1303		ld (q/	ha)		*Ecor	nomics of	demonstr	ation	*/	Economic		k
Type of livestoc k	Name of the technology demonstrated	Bree d	of Dem o	of Unit s		Demo		Chec k if any	% Increas e	Gros s Cost	Rs./u Gross Retur n	nit) Net Retur n	** BC R	Gros s Cost	(Rs./t Gross Retur n	Net Retur n	** BC R
					Н	L	Α										
Dairy	Effect of Dosing on Gastrointestin al Parasite in	Jerse y Cros	4	2					10	500	5000	4500	10: 1	500	5000	4500	10: 1
Dany	Dairy Cows.																
Poultry																	
·																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Orl																	
Others (pl.specif y)																	

^{*} Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

Data on other parameters in relation to technology demonstrated											
Parameter with unit	Demo	Check if any									
	Two potential Deworming Agent										
	Fasinex (10 %Triclabendazole) and										
Milk production in litres and fecal	Nilzan (6% Oxyclozanide and 3%	Extra 125-140 litre milk per lactation in treated cows									
egg count in numbers	Levamisole Hydochloride were used	Extra 123-140 flute fiffix per factation in treated cows									
	in dairy cattle to improve animal										
	health and milk production.										

4. B.3. Fisheries

1. D	1 15110110																	
Type of	Name of the	Breed	No.	Units/	Yield (q/ha)			ha)	%		*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)			
Type of Breed	technology demonstrated	Бгееа	Of Demo	Area (m²)	I	Demo)	Check if any	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					Н	L	A											
Common																		
carps																	1	

^{**} BCR= GROSS RETURN/GROSS COST

Others									1
(pl.specify)								1	1

^{*} Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

Data on other parameters in relation to technology demonstrated											
Parameter with unit	Demo	Check if any									

4.B.4. Other enterprises

	Name of	Variet	No.	Unit	Yield (q/ha)			0/	*Economics of demonstration (Rs./unit) or (Rs./m2)				*Economics of check (Rs./unit) or (Rs./m2)				
Enterpris e	the technology demonstrat ed	y/ specie s	of Dem o	s/ Area {m²}		Demo)	Chec k if any	k if e	Gros s Cost	Gros s Retur n	Net Retur n	** BC R	Gros s Cost	Gros s Retur n	Net Retur n	** BC R
					Н	L	Α										
Button mushroom																	
Vermicomp ost																	
Apiculture																	
Others (pl.specify)																	

^{*} Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated									
Parameter with unit	Demo	Local							

4.B.5. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	2	32	
2	Farmers Training	14	210	
3	Media coverage	5		
4	Training for extension functionaries	1	17	
5	Others (Please specify)			

^{**} BCR= GROSS RETURN/GROSS COST

^{**} BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

5. Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) : A) ON Campus

A) ON Can Thematic area	No. of					Participants				
	courses		Others			SC/ST			Grand Total	1
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers &										
Farm Women										
I Crop Production										
Weed Management										
Resource										
Conservation										
Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production										
Nursery										
management										
Integrated Crop										
Management										
Fodder production										
Production of	_									
organic inputs	1			0	3	39	42	3	39	42
Others										
II Horticulture										
a) Vegetable Crops										
Production of low										
volume and high										
value crops										
Off-season										
vegetables										
Nursery raising										
Exotic vegetables										
like Broccoli										
Export potential										
vegetables										
Grading and										
standardization										
Protective										
cultivation (Green										
Houses, Shade Net										
etc.)										
Others	2			0	10	62	72	10	62	72
b) Fruits										
Training and										
Pruning										
Layout and										
Management of										
Orchards										
Cultivation of Fruit										

		1	T	ı	1	ı		
Management of								
young								
plants/orchards								
Rejuvenation of old								
orchards								
Export potential								
fruits								
Micro irrigation								
systems of orchards								
Plant propagation								
techniques								
c) Ornamental								
Plants								
Nursery								
Management								
Management of								
potted plants								
Export potential of								
ornamental plants]							
Propagation								
techniques of								
Ornamental Plants								
d) Plantation crops								
Production and								
Management								
technology								
Processing and								
value addition								
e) Tuber crops								
Production and								
Management								
technology								
Processing and								
value addition								
f) Spices								
Production and								
Management								
technology]							
Processing and								
value addition]							
g) Medicinal and								
Aromatic Plants								
Nursery								
management								
Production and								
management								
technology]							
Post harvest								
technology and								
value addition]							
III Soil Health and								
Fertility								
Management]							
Soil fertility								
management								
Soil and Water								
Soft and water	ļ	ļ	ļ		ļ			

Conservation									
Integrated Nutrient									
Management									
Production and use									
of organic inputs									
Management of									
Problematic soils									
Micro nutrient									
deficiency in crops									
Nutrient Use									
Efficiency									
Soil and Water									
Testing									
IV Livestock									
Production and									
Management									
Dairy Management	4		0	38	144	182	38	144	182
Poultry					1	102		1	102
Management									
Piggery									
Management									
Rabbit Management									
Disease									
Management									
	2		0	14	68	82	1.4	68	82
Feed management Production of			0	14	08	82	14	08	82
	1			7	22	40	7	22	40
quality animal	1		0	7	33	40	7	33	40
products									
V Home									
Science/Women									
empowerment									
Household food									
security by kitchen									
gardening and									
nutrition gardening									
Design and									
development of									
low/minimum cost									
diet									
Designing and									
development for									
high nutrient									
efficiency diet									
Minimization of									
nutrient loss in									
processing									
Gender									
mainstreaming									
through SHGs									
Storage loss									
minimization									
techniques									
Value addition									
Income generation									
activities for									
empowerment of									

		1	T	T		ı			I	
rural Women										
Location specific										
drudgery reduction										
technologies										
Rural Crafts										
Women and child						1.0	10		1.0	10
care	1			0	0	19	19	0	19	19
VI Agril.										
Engineering										
Installation and		+								
maintenance of										
micro irrigation										
Systems Use of Plastics in										
1										
farming practices										
Production of small										
tools and										
implements		1		1						
Repair and										
maintenance of farm										
machinery and										
implements										
Small scale										
processing and										
value addition										
Post Harvest										
Technology										
VII Plant										
Protection										
Integrated Pest										
Management										
Integrated Disease										
Management										
Bio-control of pests										
and diseases										
Production of bio										
control agents and										
bio pesticides					1.0	42	50	1.0	42	52
Others	1				10	43	53	10	43	53
VIII Fisheries										
Integrated fish										
farming										
Carp breeding and										
hatchery										
management										
Carp fry and										
fingerling rearing										
Composite fish				1						
culture										
Hatchery										
management and										
culture of										
freshwater prawn										
Breeding and										
culture of										
ornamental fishes										
		1	1	1	1	1	l .	l .		l .

						T.			
Portable plastic carp									
hatchery									
Pen culture of fish									
and prawn									
Shrimp farming									
Edible oyster									
farming									
Pearl culture									
Fish processing and									
value addition									
IX Production of									
Inputs at site									
Seed Production									
Planting material									
production									
Bio-agents									
production									
Bio-pesticides									
production									
Bio-fertilizer									
production									
Vermi-compost									
production									
Organic manures									
production									
Production of fry									
and fingerlings									
Production of Bee-									
colonies and wax									
sheets									
Small tools and									
implements									
Production of									
livestock feed and									
fodder									
Production of Fish									
feed									
Others (Natural	_			20	179	199	20	179	199
Farming, Jalshkti	5		0	20	1/9	199	20	1/9	199
Abhiyan)									
X									
CapacityBuilding									
and Group									
Dynamics									
Leadership									
development									
Group dynamics									
Formation and									
Management of SHGs									
Mobilization of									
social capital									
Entrepreneurial									
development of									
farmers/youths				-		-			
WTO and IPR									

issues										
Others	1			0	3	39	42	3	39	42
XI Agro-forestry	1			0		39	72	3	39	72
Production										
technologies										
Nursery										
management										
Integrated Farming										
Systems										
TOTAL	18	0	0	0	105	626	731	105	626	731
(B) RURAL	10	U	0	U	103	020	/31	103	020	731
YOUTH										
Mushroom										
Production										
Bee-keeping										
Integrated farming	+									
Seed production	+									
Production of										
organic inputs										
Integrated Farming										
Planting material										
production										
Vermi-culture										
Sericulture										
Protected										
cultivation of										
vegetable crops										
Commercial fruit	+									
production										
Repair and										
maintenance of farm										
machinery and										
implements										
Nursery										
Management of										
Horticulture crops										
Training and										
pruning of orchards										
Value addition										
Production of										
quality animal										
products										
Dairying										
Sheep and goat										
rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental										
fisheries										
Para vets										
Para extension										
workers										
Composite fish										

		ı		T	1	T	
culture							
Freshwater prawn							
culture							
Shrimp farming							
Pearl culture							
Cold water fisheries							
Fish harvest and							
processing							
technology							
Fry and fingerling							
rearing							
Small scale							
processing							
Post Harvest							
Technology							
Tailoring and							
Stitching							
Rural Crafts							
TOTAL							
(C) Extension							
Personnel							
Productivity							
enhancement in							
field crops							
Integrated Pest							
Management							
Integrated Nutrient							
management							
Rejuvenation of old							
orchards							
Protected							
cultivation							
technology							
Formation and							
Management of SHGs							
Group Dynamics							
and farmers							
organization							
Information							
networking among							
farmers							
Capacity building							
for ICT application							
Care and							
maintenance of farm							
machinery and							
implements							
WTO and IPR							
issues							
Management in							
farm animals							
Livestock feed and							
fodder production							
Household food							
110uscholu 100u		l .		<u> </u>	I	l	

security										
Women and Child										
care										
Low cost and										
nutrient efficient										
diet designing										
Production and use										
of organic inputs										
Gender										
mainstreaming										
through SHGs										
TOTAL	-	-	-	•	-	-	-	-	-	-

Thematic area	No. of				F	Participants				
	courses		Others			SC/ST			Grand Total	1
		Male	Female	Total	Male	Female	Total	Male	Female	<mark>Total</mark>
(A) Farmers &										
Farm Women										
I Crop Production										
Weed Management										
Resource										
Conservation										
Technologies										
Cropping Systems										
Crop										
Diversification										
Integrated Farming										
Water management										
Seed production										
Nursery										
management										
Integrated Crop										
Management										
Fodder production										
Production of										
organic inputs										
Others	3			0	2	94	96	2	94	96
II Horticulture										
a) Vegetable										
Crops										
Production of low										
volume and high	1			0	3	23	26	3	23	26
value crops										
Off-season				0			0	0	0	0
vegetables				0			U	0	U	U
Nursery raising	2			0	2	30	32	2	30	32
Exotic vegetables				0			0	0	0	0
like Broccoli				0			U	0	"	U
Export potential				0			0	0	0	0
vegetables		<u> </u>		U			U	U	<u> </u>	U
Grading and				0			0	0	0	0
standardization		<u> </u>		U			U	U	U	U
Protective	4			0	34	110	144	34	110	144

	T-								
cultivation (Green									
Houses, Shade Net									
etc.)									
Others	7		0	48	165	213	48	165	213
b) Fruits									
Training and									
Pruning									
Layout and									
Management of									
Orchards									
Cultivation of Fruit									
Management of		+							
young plants/orchards									
Rejuvenation of old									
orchards									
Export potential									
fruits									
Micro irrigation									
systems of orchards									
Plant propagation									
techniques									
c) Ornamental									
Plants									
Nursery									
Management									
Management of									
potted plants									
Export potential of									
ornamental plants									
Propagation									
techniques of									
Ornamental Plants									
d) Plantation									
crops									
Production and									
Management									
technology									
Processing and									
value addition									
e) Tuber crops									
Production and									
Management									
technology									
Processing and									
value addition									
f) Spices									
Production and									
Management									
technology									
Processing and									
value addition									
g) Medicinal and									
Aromatic Plants									
Nursery									
management									
A DD 2022 22		 					<u> </u>	<u> </u>	

		1		1	I	1	1	I	T
Production and									
management									
technology									
Post harvest									
technology and									
value addition									
III Soil Health and									
Fertility									
Management									
Soil fertility	1		0	0	21	21	0	21	21
management			Ů	Ů			Ů		
Soil and Water			0			0	0	0	0
Conservation						Ů	· ·	Ů	, , ,
Integrated Nutrient			0			0	0	0	0
Management						Ů	· ·	0	Ů
Production and use	1		0	4	30	34	4	30	34
of organic inputs	1			•	30	31	'	30	31
Management of			0			0	0	0	0
Problematic soils							,		
Micro nutrient	1		0	19	41	60	19	41	60
deficiency in crops	•								"
Nutrient Use	1		0	1	23	24	1	23	24
Efficiency	-			1	25		•	23	
Soil and Water									
Testing									
IV Livestock									
Production and									
Management							_		
Dairy Management	2		0	7	53	60	7	53	60
Poultry	1		0	0	57	57	0	57	57
Management	_			,			,	- ,	
Piggery			0			0	0	0	0
Management									
Rabbit Management			0			0	0	0	0
Disease			0			0	0	0	0
Management									-
Feed management	4		0	40	113	153	40	113	153
Production of				_		4.0	_		4.0
quality animal	1		0	5	14	19	5	14	19
products				20	21	40	20	21	40
Others	3			28	21	49	28	21	49
V Home									
Science/Women									
empowerment									
Household food									
security by kitchen									
gardening and									1
nutrition gardening									
Design and									
development of low/minimum cost	2		0	1	44	45	1	44	45
diet									
									-
Designing and									
development for high nutrient	1		0	10	6	16	10	6	16
efficiency diet									
criticioney diet				<u> </u>	ļ	l	I	<u> </u>	L

		1						ı	1
Minimization of									
nutrient loss in	2		0	4	60	64	4	60	64
processing									
Gender									
mainstreaming			0			0	0	0	0
through SHGs									
Storage loss									
minimization			0			0	0	0	0
techniques									
Value addition	1		0	0	8	8	0	8	8
Income generation	-				Ü				
activities for									
empowerment of			0			0	0	0	0
rural Women									
Location specific			+						
			0			0	0		0
drudgery reduction			0			0	"	0	0
technologies						^		0	
Rural Crafts			0			0	0	0	0
Women and child	2		0	3	80	83	3	80	83
care									
Others	3		5	61	28	89	61	28	89
VI Agril.									
Engineering									
Installation and									
maintenance of									
micro irrigation									
systems									
Use of Plastics in									
farming practices									
Production of small									
tools and									
implements									
Repair and									
maintenance of									
farm machinery and									
implements									
Small scale									
processing and									
value addition									
Post Harvest									
Technology									
VII Plant									
Protection									
Integrated Pest	_			• •		10.	• •		
Management	5		0	20	116	136	20	116	136
Integrated Disease	_								
Management	3		0	41	81	122	41	81	122
Bio-control of pests									
and diseases	1			19	41	60	19	41	60
Production of bio		+ + + + + + + + + + + + + + + + + + + +							
control agents and									
bio pesticides									
VIII Fisheries									
Integrated fish farming									
Carp breeding and									
Carp orceding and]		

hatchery									
management									
Carp fry and									
fingerling rearing									
Composite fish									
culture									
Hatchery									
management and									
culture of									
freshwater prawn									
Breeding and									
culture of									
ornamental fishes									
1									
Portable plastic									
carp hatchery									
Pen culture of fish									
and prawn									
Shrimp farming									
Edible oyster									
farming									
Pearl culture									
Fish processing and									
value addition									
IX Production of									
Inputs at site									
Seed Production									
Planting material									
production									
Bio-agents									
production									
Bio-pesticides									
production									
Bio-fertilizer									
production									
Vermi-compost				3	15	18	3	15	18
production	1			3	13	10]	13	10
Organic manures									
·									
Production Production of fry									
and fingerlings									
Production of Bee-									
colonies and wax									
sheets									
Small tools and									
implements									
Production of									
livestock feed and									
fodder									
Production of Fish									
feed									
Others (Natural	2		0	11	60	71	11	60	71
Farming)	<u> </u>		0	11	UU	/ 1	11	00	/ 1
X									
CapacityBuilding									
and Group									
Dynamics									
4 DD 2022 22		 1							

Leadership										
development										
Group dynamics										
Formation and										
Management of										
SHGs										
Mobilization of										
social capital										
Entrepreneurial										
development of										
farmers/youths										
WTO and IPR										
issues										
XI Agro-forestry										
Production										
technologies										
Nursery										
management										
Integrated Farming										
Systems										
TOTAL	55	0	0	5	366	1334	1700	366	1334	1700
(B) RURAL					200	1001	1,00		1001	1,00
YOUTH										
Mushroom										
Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of										
organic inputs										
Integrated Farming										
Planting material										
production										
Vermi-culture										
Sericulture										
Protected										
cultivation of										
vegetable crops										
Commercial fruit										
production										
Repair and										
maintenance of										
farm machinery and										
implements		1		-	-					
Nursery										
Management of										
Horticulture crops										
Training and										
pruning of orchards Value addition										
Value addition	1				0	2	2	0	2	2
Production of	<u></u>									
quality animal										
products										
Dairying										
Sheep and goat										
rearing										
A DD 2022 22						!	l	l		l

			I				I		
Quail farming									
Piggery									
Rabbit farming									
Poultry production									
Ornamental									
fisheries									
Para vets									
Para extension									
workers									
Composite fish									
culture									
Freshwater prawn									
culture									
Shrimp farming									
Pearl culture									
Cold water fisheries									
Fish harvest and									
processing									
technology									
Fry and fingerling									
rearing									
Small scale									
processing									
Post Harvest									
Technology									
Tailoring and									
Stitching									
Rural Crafts									
		l .							
TOTAL	2			0	2	2	0	2	2
	2			0	2	2	0	2	2
	2			0	2	2	0	2	2
TOTAL	2			0	2	2	0	2	2
TOTAL (C) Extension Personnel Productivity	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in	2			0	2	2	0	2	2
TOTAL (C) Extension Personnel Productivity	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building	2			0	2	2	0	2	2
(C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers	2			0	2	2	0	2	2

maintenance of					
farm machinery and					
implements					
WTO and IPR					
issues					
Management in					
farm animals					
Livestock feed and					
fodder production					
Household food					
security					
Women and Child					
care					
Low cost and					
nutrient efficient					
diet designing					
Production and use					
of organic inputs					
Gender					
mainstreaming					
through SHGs					
TOTAL					

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of				I	Participants				
	courses		Others			SC/ST			Grand Tota	1
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production										
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs	1			0	3	39	42	3	39	42
Others	3			0	2	94	96	2	94	96
II Horticulture										
a) Vegetable Crops										
Production of low volume and high	1			0	3	23	26	3	23	26

11			I							
value crops										
Off-season				0			0	0	0	0
vegetables										
Nursery raising	2			0	2	30	32	2	30	32
Exotic vegetables				0			0	0	0	0
like Broccoli				Ů			Ů	Ů		
Export potential				0			0	0	0	0
vegetables									V	· ·
Grading and				0			0	0	0	0
standardization				0			· ·	Ů	V	0
Protective										
cultivation (Green	4			0	34	110	144	34	110	144
Houses, Shade Net	•				31	110	1	31	110	1
etc.)										
Others	9			0	58	227	285	58	227	285
b) Fruits										
Training and										
Pruning										
Layout and										
Management of										
Orchards										
Cultivation of Fruit										
Management of										
young										
plants/orchards										
Rejuvenation of old										
orchards										
Export potential										
fruits										
Micro irrigation										
systems of orchards										
Plant propagation										
techniques										
c) Ornamental										
Plants										
Nursery										
Management										
Management of										
potted plants										
Export potential of										
ornamental plants										
Propagation										
techniques of										
Ornamental Plants										
d) Plantation										
crops										
Production and										
Management										
technology										
Processing and										
value addition										
e) Tuber crops										
Production and										
Management										
technology										
Processing and										
1 1000ssing and		ı	1	1		l .		l		

		T T		1	ı	1	1	T	1
value addition									
f) Spices									
Production and									
Management									
technology									
Processing and									
value addition									
g) Medicinal and									
Aromatic Plants									
Nursery									
management									
Production and									
management									
technology									
Post harvest									
technology and									
value addition									
III Soil Health and									
Fertility Fertility									
Management									
Soil fertility									
management	1		0	0	21	21	0	21	21
Soil and Water									
Conservation			0			0	0	0	0
Integrated Nutrient									
Management			0			0	0	0	0
Production and use									
I I	1		0	4	30	34	4	30	34
of organic inputs Management of									
Problematic soils			0			0	0	0	0
Micro nutrient									
I I	1		0	19	41	60	19	41	60
deficiency in crops									
Nutrient Use	1		0	1	23	24	1	23	24
Efficiency									
Soil and Water									
Testing									
IV Livestock									
Production and									
Management									
Dairy Management	6		0	45	191	236	45	191	236
Poultry	1		0	0	57	57	0	57	57
Management	*				,	- ,		,	
Piggery			0			0	0	0	0
Management									
Rabbit Management			0			0	0	0	0
Disease			0			0	0	0	0
Management									
Feed management	6		0	54	181	235	54	181	235
Production of									
quality animal	2		0	12	47	59	12	47	59
products									<u> </u>
Others	3			28	21	49	28	21	49
V Home									
Science/Women									
empowerment									
Household food									
A DD 2022 22		1	1	1	1	l	1	l	l

security by kitchen								
gardening and								
nutrition gardening								
Design and								
development of								
low/minimum cost	2	0	1	44	45	1	44	45
diet								
Designing and								
development for								
	1	0	10	6	16	10	6	16
high nutrient								
efficiency diet								
Minimization of								
nutrient loss in	2	0	4	60	64	4	60	64
processing								
Gender								
mainstreaming		0			0	0	0	0
through SHGs								
Storage loss								
minimization		0			0	0	0	0
techniques							0	
Value addition	1	0	0	8	8	0	8	8
	1	 0	U	0	0	U	0	0
Income generation								
activities for		0			0	0	0	0
empowerment of						,		
rural Women								
Location specific								
drudgery reduction		0			0	0	0	0
technologies								
Rural Crafts		0			0	0	0	0
Women and child	2	0	2	00	1.02	2	00	100
care	3	0	3	99	102	3	99	102
Others	3	5	61	28	89	61	28	89
VI Agril.			01		0,	01		0,
Engineering								
Installation and								
maintenance of								
micro irrigation								
systems								
Use of Plastics in								
farming practices								
Production of small								
tools and								
implements								
Repair and								
maintenance of								
farm machinery and								
implements								
Small scale								
processing and								
value addition								
Post Harvest		+						
Technology		+						
VII Plant								
Protection								
Integrated Pest	5	0	20	116	136	20	116	136
Management		Ŭ	_~	-10		_ ~	-10	-50

T (1D'							I		
Integrated Disease	3		0	41	81	122	41	81	122
Management									
Bio-control of pests	1			19	41	60	19	41	60
and diseases	-								
Production of bio									
control agents and									
bio pesticides									
Others	1			10	43	53	10	43	53
VIII Fisheries									
Integrated fish									
farming									
Carp breeding and									
hatchery									
management									
Carp fry and									
fingerling rearing									
Composite fish									
culture									
Hatchery									
management and									
culture of									
freshwater prawn									
Breeding and									
culture of									
ornamental fishes									
Portable plastic									
earp hatchery Pen culture of fish									
and prawn									
Shrimp farming									
Edible oyster									
farming									
Pearl culture									
Fish processing and									
value addition									
IX Production of									
Inputs at site									
Seed Production									
Planting material									
production									
Bio-agents									
production									
Bio-pesticides									
production									
Bio-fertilizer									
production									
Vermi-compost	1			3	15	18	3	15	18
production	1								
Organic manures									
production									
Production of fry									
and fingerlings									
Production of Bee-		+							
colonies and wax									
sheets									
Small tools and									
Siliali tools allu						<u> </u>			<u> </u>

T						I	,			1
implements										
Production of										
livestock feed and										
fodder										
Production of Fish										
feed										
Others (Natural										
Farming Jalshakti	7			0	31	239	270	31	239	270
Abhiyan)	,					237	270	31	237	270
X										
CapacityBuilding										
and Group Dynamics										
Leadership										
development					-					
Group dynamics										
Formation and										
Management of										
SHGs										
Mobilization of										
social capital										
Entrepreneurial										
development of										
farmers/youths										
WTO and IPR										
issues										
Others	1				3	39	42	3	39	42
XI Agro-forestry										
Production										
technologies										
Nursery										
management										
Integrated Farming										
Systems										
TOTAL	73	0	0	5	471	1954	2425	471	1954	2425
(B) RURAL	, ,		•		17.1	1701	2128	.,,	1701	7.20
YOUTH										
Mushroom										
Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of										
organic inputs					-					
Integrated Farming										-
Planting material										
production										
Vermi-culture					1					
Sericulture										
Protected										
cultivation of										
vegetable crops										
Commercial fruit										
production										
Repair and										
maintenance of										
A DD 2022 22										

C 1: 1		T T		_	1	1	I	1
farm machinery and								
implements								
Nursery								
Management of								
Horticulture crops								
Training and								
pruning of orchards								
Value addition	1		0	2	2	0	2	2
Production of								
quality animal								
products								
Dairying								
Sheep and goat								
rearing								
One il fermine								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental								
fisheries								
Para vets								
Para extension								
workers								
Composite fish								
culture								
Freshwater prawn								
culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and								
processing								
technology								
Fry and fingerling								
rearing								
Small scale								
processing								
Post Harvest								
Technology								
Tailoring and								
Stitching								
Rural Crafts								
TOTAL	2		0	2	2	0	2	2
(C) Extension								
Personnel								
Productivity								
enhancement in								
field crops								
Integrated Pest								
Management								
Integrated Nutrient		 						
management								
Rejuvenation of old		+ +						
orchards								
Oronardo			 	<u> </u>	L	<u> </u>	L	L

Protected		<u> </u>				
cultivation						
1						
technology						
Formation and						
Management of						
SHGs						
Group Dynamics						
and farmers						
organization						
Information						
networking among						
farmers						
Capacity building				 	 	
for ICT application						
Care and						
maintenance of						
farm machinery and						
implements						
WTO and IPR						
issues						
Management in						
farm animals						
Livestock feed and						
fodder production						
Household food						
security						
Women and Child						
care						
Low cost and						
nutrient efficient						
diet designing						
Production and use						
of organic inputs						
Gender						
mainstreaming						
through SHGs						
TOTAL						
		<u> </u>				

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No.	of Particip	pants	Self employed after training		Number of persons employed else where	
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
1	20-22 nd May 2022	Scientific Management of Sheep and Goat		3	40	0	40				
2	26-9-2022 to 5/10/2022	Scientific Management of Sheep and Goats in Mountains Under DST STI Hub Project on Production, Improvement, Sustainable Development and Livelihood Improvement of Threatened Tribal Nomads of Ladakh Through Scientific Sheep and Pashmina Goat Rearing		10	4	6	10				
3											
		Total (2)			44	6	50				

(E) Sponsored Training Programmes

Sl. No	Date Date	Title	ma	The mati c	Duratio n (days)	Client (PF/R Y/EF)	No. of course				N		articipan	ts			Sponsorin g Agency	Amou nt of fund receive d (Rs.)
				area		1/121)	8		Others			SC/ST	[Total	1		
								M ale	Fem ale	To tal	Mal e	Fem ale	Total	Mal e	Female	Total		
1	22/5/2 022	Value addition of Milk and Milk Production	Animal Science		1		1				0	8	8	0	8	8	DST Sheep	
2	23/5/2 022	Scientific management of Sheep and Gat	Animal Science		1		1				18	0	18	18	0	18	DST Sheep	
3	24/5/2 022	Health benefit of milk and milk products	Animal Science		1		1				0	20	20	0	20	20	DST Sheep	
4	22/6/2 022	Awareness programme on cultivation of high yielding varieties of wheat and barly	Crop Production		1		1				0	57	57	0	57	57	TSP IIWBR	
5	9/8/20 22	Insect Pest Management	Plant Protection		1		1				0	15	15	0	15	15	NICRA	
6	9/8/20 22	Mulching Technology and application	Veg. Science		1		1				0	15	15	0	15	15	NICRA	
7	12 th - 13 th Nove mber 2022	Scientific Management of Sheep and Goats			2		1				10	0	10	10	0	10	DST Sheep and Goat	

8	14 th – 15 th Nov 2022	Scientific Management of Sheep and Goats		2	1		0	21	21	0	21	21	DST Sheep and Goat	
					8		28	136	164	28	136	164		
Tot														
al														

6. Extension Activities (including activities of FLD programmes)

Sl. No.	Extension Activities (in	Purpose/			.~)				Parti	icipants					
	Nature of Extension Activity	topic and Date	No. of activities		rmers (Otl <mark>(I)</mark>	1		SC/ST (Far (II)	mers)	Ext	tension Off (III)			Grand To	<u>I)</u>
1.	Field Day		2	Male	Female	Total	Male 6	Female 13	Total 19	Male 3	Female 4	Total 7	Male 9	Female 23	Total 32
2.	Field Day		2				0	13	19	3	+ -		, ,	23	32
3.	Field day		1						1						
	Total		2				6	13	19	3	4	7	9	23	32
4.	KisanMela	26/4/2022, 7/9/2022, 31/12	3				1001	834	1835	7	10	17	1008	844	1852
5.	KisanMela														
	Total		3				1001	834	1835	7	10	17	1008	844	1852
6.	KisanGhosthi		1			0	0	27	27	1	4	5	1	31	32
7.	Exhibition		6			0	1895	2034	27	7	5	12	1902	2039	3941
8.	Film Show		10			0	1075	2034	1	+ '	-	12	1702	2037	3771
9.	Method Demonstrations		13				120	261	381	9	14	23	129	275	404
10.	Farmers Seminar														
11.	Workshop														
12.	Group meetings														
13.	Lectures delivered as resource persons		13				116	191	307	11	16	27	127	207	334
14.	Newspaper coverage														
15.	Radio talks		7												
16.	TV talks														
17.	Popular articles														
18.	Extension Literature														
19.	Advisory Services		13				6735	8675	15392	4	9	13	8682	15401	15405
20.	Scientific visit to farmers field		23				17	67	84	7	13	20	24	80	104
21.	Farmers / Student visit to KVK		19				173	200	373	10	25	35	183	225	408
22.	Diagnostic visits		11				7	12	19	3	4	7	10	19	29
23.	Exposure visits		6				111	165	276	9	11	20	120	176	296
24.	Ex-trainees Sammelan														
25.	Soil health Camp														
26.	Animal Health Camp		8				84	97	181	13	10	23	94	204	298
27.	Agri mobile clinic														
28.	Soil test campaigns														
29.	Farm Science Club Conveners meet														

30.	Self Help Group Conveners meetings														
31.	MahilaMandals														
	Conveners meetings														
32.	Celebration of	26/4, 16/7,													
	important days	15/8, 17/9,													
	(International Yoga	17/10, 5/1,2/													
	Day, 94 th ICAR	18/12/, 23/12,													
	Foundation Day, 76 th	27/2, 18/3													
	Independence Day,														
	Poshan Abhiyan and														
	Tree Plantation, Kisan		10				128	232	360	18	22	40	250	382	532
	Samman Sammelan,														
	World Soil Day, KVK														
	Annual Day, Kisan														
	Diwas, PM Kisan														
	Samman Nidhi Yojna,														
	1 st InternationMillet														
	Conference)														
	Grand Total		138	0	0	0	11394	13642	21062	109	157	266	13547	20750	25519

6. B. Kisan Mobile Advisory Services

	Kisan Mobile Advisory												
Name of													
the KVK	Covered	Messages	Crop	Livestock	Weather	Marketing	Awareness	Other	Any				
		(Text)						enterprise	other				
KVK Leh	15392	13	Yes	Yes	Yes		Yes						

6.C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during 2022-23

No. of Technolog y week celebrated	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
		Vermicompost and	Used at KVK	
	Bio Fertilizers (q)	Compost	farm	
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

7. Production and supply of Technological products

A) SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
Wheat					
OILSEEDS					
Mustard					
PULSES					
VEGETABLES					
FLOWER CROPS					

OTHERS (Specify)					
Mushroom Spawn Seed	Mushroom	Dhingri	0.35kg	3500	40

B) PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS			, ,		
CDICEC					
SPICES					
VEGETABLES					
	Onion		87400	40920	73
	Cabbage		4850	1890	16
	Cauliflower		7650	3060	32
	Tomato		2300	1840	17
	Broccolli		1750	1750	14
	Kale		1750	700	9
	Knolkhol		1400	420	11
			150	150	3
	Capsicum/Chillies				
	Brinjal		50	50	1
	Cucurbits		27	540	6
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
CROIS	Willow Saplings (Sticks)	Selchang Local	1000 cuttings	30000	50
	g. (a. a. a.)				
Others (specify)					
* */	Alfalfa		66qtls	66000	(Fed to the dairy unit at KVK Leh)
	Mushroom	Dhingri	0.3kg	7200	37

C) BIO PRODUCTS

Major group/class	Product Name	Species	Q	uantity	Value (Rs.)	Provided to No.
			No	(kg)		of Farmers
BIOAGENTS						
1						
2						
3						
4						
BIOFERTILIZERS						
1	Vermicompost and Compost			300kgs	1200	50

2	Earth worms		50	2000	50
3	Cowdung wet		3650		
4					
BIO PESTICIDES					
1	Trichoderma		20 kgs		40
400					
3					
4					

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers	
			(Nos	Kgs			
		Jersey	2		160000		
		Calves	1		13000		
SHEEP AND GOAT							
POULTRY		Vanraja —	300		150000	120	
FISHERIES							
Othora (Specify)							
Others (Specify)							

PART 8 – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

8. Literature Developed/Published (with full title, author & reference)

(A) KVK News Letter – (Name, Date of start, periodicity, number of copies distributed, etc.)

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research			
papers			

Item	Title	Authors name	Number of copies
Book- Chapter			
Спари	Plant Diseases in Cold Arid Region Ladakh and Their Integrated Management 116-135: In: Good Agriculture Practices In Cold Arid Region Pages: 250 (2021)	Vikas Gupta, StanzinDorjey, Anil Kumar, Vishal Gupta, UrgyanChorol, PhuntsogTundup and JigmetYangchan	Book- Chapter
	Good Agriculture Practices in Cold Arid Region 1-11: In: Good Agriculture Practices In Cold Arid Region. Pages: 250 (2021)	Vikas Gupta, StanzinDorjey and M.S. Raghuvanshi	Book- Chapter
	Good Agriculture Practices in Cold Arid region Ladakh. Aknik Publications. Pages 1-258	Vikas Gupta and F. D. Sheikh (2021)	Edited Book
	Production Technology of oats (<i>Avena Sativa</i> L.) in High Himalayan Region of Ladakh	H. L. Verma, M.S. Kanwar, Parveen Kumar and G.S. Pradhan	Book Chapter
	Socio-Technological Interventions for Cold Arid Agriculture	Parveen Kumar, Brinder Singh, H. L. Verma , F.D. Sheikh and SonamAngchuk	Book Chapter
Technical			
reports			
Technical bulletins			
Popular articles			

Item	Title	Authors name	Number of copies
1	Status of World's Unique Animal Genetic Resource of Ladakh	Feroz Din Sheikh	Research Paper
2	PIT 1 gene polymorphism and seasonility affect milk production traits in dairy cattle of Kashmir	RM Shah, N A Ganai, H M Khan, F D Sheikh, S Shahnawaz, N N Khan	Research Paper
3	Breed description of Chanthangi Sheep	Malik Asma Altaf, Khan H.M, Mir M.S. Farooq Javid, F.D.Sheikh, Mir A.Q, Abdullah Muzamil, Ayman Niha	Research Paper
4	Occurrence of GI parasites in ruminants of Kashmir	A Ashraf, S.Rtramboo, I Maqbool, F.D Sheikh , K H Bulbul, R A Shahnawaz	Research Paper
5	Offseason Broccoli (Brassica Oleraceae Varitalica) Cultivation under Low Tunnel in Eastern Ladakh	Sonam Spaldon, M.S.Kanwar, Jigmet Laskit , Anwar Hussan and Kunzes Angmo	Research Paper
6	Technoligical Intervention in Production of Cole crops under Low Tunnel in Cold Arid Changthang Region of Ladakh (UT)	Sonam Spaldon, Jigmet Laskit , M.S.Kanwar, , Phuntsog Tundup and Kunzes Angmo	Research Paper
Training Manual			
Extension literature			
Folders /leaflets TOTAL			

(C) Details of Electronic Media Produced

(0) 2000	of Electronic Filedia Filedacea		
S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number

9.A. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

1. Details of demonstration conducted

S.	Name of Horticulture Technology	No. of o	No. of demonstration conducted		
No.		2019-20	2020-21	2021-22	2022-23
1.	Vermicompost unit with worms	51	72	46	15

Brief Profile of the Technology

Success story on "Cucumber cultivation under protected conditions"

Situation analysis and Problem.

Protected cultivation is a time tested technology for cultivation of warm season crops in Ladakh where open conditions hinder their cultivation. Protected cultivation is a potential technology that can economically uplift small and marginal farmers especially under hilly terrains by increasing their per unit returns as it can increase the yield manifolds and improve the quality of the produce as per the demand of the market.

Cucumber is an important vegetable cash crop under protected conditions. Cucumber cultivation is gaining popularity as locally grown cucumbers are very new to this region. Open conditions hinder fruit development and maturation and protected cultivation is the only option for a successful crop of cucumber. Low production due to lack of pollinizers and poor quality (bitterness) have been a major issue with this crop due to lack of suitable hybrids/varieties in the region.

Intervention, Technology Implementation and support

Cucumber hybrid Aviva is agynocious, parthenocarpic and an early hybrid. KVK Leh conducted on farm trials on Aviva under protected condition in 2020 and 2021. Hybrid Aviva is early with 98% fruitingand harvesting continued for almost five months .The results were quite impressive and in 2022 the crop was put under FLD trials at different locations in Saspol, Likir, Tukcha, Chemday villages of District Leh. The average productions from all the villages have been summarized and presented as average yield under greenhouse conditions in Ladakh.

Output and Outcome

Aviva cucumber spaced at 60cmx1m under greenhouse recorded an average yield of 94.5 t/ha as compared to Farmers practice (48.6 t/ha only). Economic analysis of demonstrated technology in comparison to farmer's variety revealed that an average net return of Rs. 2548108/- ha⁻¹ was obtained under the demonstrated technology which was 313% higher than Farmer's practice. The fruits obtained were sweet andhad very good taste and flavor. All the fruits were marketable and uniform in size and shape.

Technology demonstrated	Average yield (q ha ⁻¹)	Increase over farmer's practice (%)		B:C ratio
Aviva Cucumber	945	94	2548108	2.1
(greenhouse)				
Farmer's Practice (green	486	-	616000	1.6
house)				

Note: 1. Yield here refers to both marketable and unmarketable fruits.

Uptake and Impact

Cucumber cultivation under greenhouse conditions a remunerative technology option for the farmers of Ladakh region. Apart from higher yields in comparison to farmer's practice, the fruits were sweeter and uniformin size and shape. The first year of OFT trials itself inspired many farmers of the trial locations and they demanded and bought Aviva seeds themselves through sources from outside Ladakh for sowing next year. About 0.25 hectare area in the district (population and land holding - very less) have been under cultivation in 2022 resulting in Rs.6,37027 estimated net returns to the farmers in the

district (low population). In view of its performance, cultivation of cucumber Aviva could be further intensified by bringing larger areas under cultivation as there are huge demands for the fruits from restaurants and hotelsetc. This crop is sure to fetch good price making farmers self-reliant and self sustaining.







VERMI COMPOSTING: TURNING WASTE INTO WEALTH

Situation analysis:

The Union Territory of Ladakh also called as cold desert witnesses' wide diurnal and seasonal fluctuations in temperature with -30°C in winter and +35°C in summer. Precipitation is very low mainly in the form of snow. The farming season is confined here for about half of the year from April-May to Sep-October. This is because of the freezing cold winter. The entire area is devoid of any natural vegetation. Largely monocropping is prevalent in the region. Wheat and Barley being the principal crops grown in the short growing season, vegetable production and livestock are also a major source of livelihood for the peoples of this region.

Technology Implementation and support:

As Livestock constitutes a major production system of Ladakh region. KrishiVigyan Kendra-Leh in its endaveour towards sustainable agriculture and to recycle the animal dung, kitchen and farm waste provided vermi beds along with the Efficient worms (EiseniaFoetida) to the farming community in different villages of Leh district. These vermi beds measuring 4*2*2 feet were provided under its Tribal Sub Plan. As Leh consists mostly of peoples religiously affiliated to Buddhism there was an initial reluctance by them to take on this enterprise, but later on as a result of the motivation and awareness by KVK-Leh regarding its health and economical benefits they agreed to go for vermi composting. Practical demonstrations on how to produce vermi compost to motivate them to recycle their farm and kitchen waste were conducted on farmers' fields by experts from KVK-Leh.





APR 2

Uptake, Spread and Benefits:

The vermi beds provided to 135 No's of farmers in different villages of Leh district by KVK-Leh under Tribal Sub Plan and its various schemes has brought a considerable area in this district under organic cultivation. Crops including vegetables and Cereals like wheat and Barley are grown on about 35 hectares of land by the farmers using the vermi compost. The household waste is now being properly recycled through vermi composting. The cost of cultivation has also been reduced by about 15-20 percent as the farmers do not have to spend on chemical fertilizers. An increase in the yield has also been reported. Many farmers are also selling the vermi compost at a price of rupees 25 to 30 per kilogram thereby augmenting their income. As a result of the continuous guidance and monitoring, farmers of the region are successfully producing vermi compost as well as raising worms. The worms reared in the demo units are being provided to many other farmers resulting in a horizontal spread of the technology. Some of the farmers are taking it as an enterprise. This initiative of KVK-Leh has brought many hectares of land under organic cultivation and the produce is also organic one. Vermi compost has also made farming more remunerative for them as it has considerably reduced their cost of cultivation and increased the yields. This is helping realize the government's ambitious goal of doubling farm income by 2022.

9.B. Give details of innovative methodology/technology developed and used for Transfer of Technology during the year

9.C. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

9.D. Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women

Rural Youth

- Inservice personnel

9.E. Field activities

i. Number of villages adopted: 2ii. No. of farm families selected: 86iii. No. of survey/PRA conducted: -1

9.F. Activities of Soil and Water Testing Laboratory / Plant Health Clinic

Status of establishment of Lab : Established
Year of establishment : 2006
List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Kjdal digestion cum distillation unit combined Make: Poplar India	2	18562 each
2	pH meter Microprocessor based 0.01 digital data storage 16x12 LCD display EC	1	13387
3	Shakers Toshiba Make 18x18inch, digital display and adjustable speed	2	13680 each
4	Hot air oven Toshiba make Temperature up 250oC double walled, digit temperature controller cum indicator, size: 605x605x910mm Cap. 336ltr.	1	19800
5	Refrigerator Model 26 Deluxe, 260ltr double door	1	15250

1.

2.

6	Digital electronic balance Sartorius (Germany) Weighing cap. 320g, A	1	87750
	adapter and operator manual		
7	Digital electronic balance Make: Globus Cap. 3000g, Platform si	1	12336
	220x280mm		
8	Digital conductivity meter Make: Poplar India	1	8437
9	Plant grinder Make Behls India, S.S. 1/2 HP, 100x500mm	1	25851
10	UV-VIS SpectophotometerElico	1	99000
11	Hotplate with thermostat and pyrometer size: 455x605mm	1	21375
12	Quartz double distillation apparatus 2.5ltr/hr Make Poplar India	1	106762
13	Flame photometer Make: Systronix	1	39065
14	Mridaparikshak	2	172000
Total		17	685497

3. Details of samples analyzed / Soil Health Cards issued during 2022-23

Details	No.	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Plant Samples				
Soil Health Cards Issued				

4. Status of mini soil testing labs/kit : Functional 5. Year of procurement of lab/kit :2015, 2017

6. No. of mini labs with the KVK :2

7. Type of mini labs (Name of lab/Kkt) : Mridaparikshak

8. Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2022-23 :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Soil Health Cards Issued				

10. IMPACT

10.1 Impact of KVK activities (Not to be restricted for reporting period).

Name of specific	No. of	% of	Change in inc	ome (Rs.)
technology/skill transferred	participants	adoption	Before Rs./acre)	After (Rs./acre)
1. Trench Off season	41	20%	2000/- =	14000
vegetable production	41		(22'x14'x1 ½')	14000
2. Mulching	15	15%	2000/- (6'x4'6')	3400
3. Composting	13	15%	- (12'x10')	2000
4 Vermicomposting	46	17%		40/kg

11.B. Cases of large scale adoption

- Trench off season vegetable production.
- Use of high yielding varieties in cereals and vegetables.
- Improved Dairying and their efficient cooperative marketing.
- Fodder development.
- Mulching.
- Compost making
- Protected cultivation.

11.C. Details of impact analysis of KVK activities carried out during the reporting period

Name of specific	No. of % of		Change in income (Rs.)	
technology/skill transferred	participants	adoption	Before Rs./acre)	After (Rs./acre)
1. Trench Off season	6	21%	2000/-=	12000
vegetable production	0		(22'x14'x1 ½')	12000
2. Mulching	15	15%	2000/- (6'x4'6')	2900
3. Composting	12	15%	- (12'x10')	900
1. Apricot Harvesting Net	15	12%	2000/per plant	3500/plant

PART XII - LINKAGES

12.A. Functional linkage with different organizations

S. No.	Program	me	Nature of linkage	Remarks
1	Ladakh A	utonomous Hill Development		
1	Council			
	Departme	ent of Agriculture, Horticulture,		
2	Anima Hı	usbandary, Sheep Husbandary,		
	Forest			
3	DIHAR (DRDO)		
4	Desert De	evelopment Agency	Participation in meetings, Joint diagnostic	
5	District Rural Development Agency (DRDA)		team visits, organizing demonstrations,	
6	Watershe	d Development Projects	organizing field days/KisanGosthi and	
	NGOs		training programmes, Financial assistance	
	i.	LNP (Leh Nutrition Project)	training programmes, i manerar assistance	
	ii.	LEHO (Ladakh Environmental		
7		and Health organization).		
/	iii.	LEDeG.		
	iv.	G.B. Pant National Institute of		
		Himalayan Environment Ladakh		
		Region		

12.B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Trench Off season vegetable production	2006	LAHDC, Leh	-
Apricot Harvesting Net	2012	LEHO Leh	

11.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1	Farmer Scientist Interaction	Resource Person	
2	LadakhAgri/HortiMela	As Judges and stall exhibition by KVK	
3	Exposure visit	At various demo unit of KVK	

Coordination activities between KVK and ATMA during 2022-23

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings		••		
02	Research projects				
03	Training programmes	Farmer ScientisInteractin	5		
04	Demonstrations				
05	Extension Programmes				
	KisanMela	LadakhAgriHortiMela	1		
	Technology Week				
	Exposure visit	Farmer Exposure (f)	At KVK		
	Exhibition	AgriHortiMela	1		
	Soil health camps				
	Animal Health				
	Campaigns				
	FFS				
06	Publications				
	Video Films				
	Books				
	Extension				
	Literature				
	Pamphlets				
	Others				
	News coverage				
07	Other Activities				

11.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any

11.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks

11.6. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

12. PERFORMANCE OF INFRASTRUCTURE IN KVK

12.1 Performance of demonstration units (other than instructional farm)

		Year			Details of production		Amount (Rs.)		
Sl. No.	Demo Unit	of estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks
	Trench (8)				Seedlings	230043		92423	
					Water melon	84		3360	
					Musk melon	62		3100	
					Tomato	98		3430	
					Brinjal	25		1000	
					Total			103313	
	Chinese green house(summer)				Tomato	225		7875	
					Bottle gd.	42		840	
					Capsicum	54		2430	
					Total			3270	
	Local commercial centre(summer)				Cucumber	83		4150	
					Capsicum	34		1530	
					Total			5680	
	Local (summer)				Tomato	74		2590	
					Brinjal	32		1280	
					Total			3870	
	Main field				Onion	2500		62500	
					Cabbage	535		10700	
					cauliflower	274		9590	
					Broccoli	86		3870	
					Carrot	12		360	
					Radish	17		340	
				_	Total			87360	

Low Tunnel(2)	Water melon	62	2480	
	Musk melon	38	1900	
	Summersquash	72	1080	
	Total		5460	
Dairy Unit	Milk		24370	

Name Of the	Date of	Date of	Are a (ha)) including seed Details of product		Amou	nt (Rs.)	Remarks
crop	sowing	harves t		Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remar ks
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Pla	ntation crops	3			1			<u> </u>	1
Floricult ure									
Fruits Newly planted Apple	-	-	0.5	Delicio us	Fruits	-	-	-	-
Orchards Vegetabl es									
Cabbage					Vegetables	2.5qtl.	300	7500	
Cauliflo wer			1		Vegetable	0.42qtl	800	1470	
Broccoli						0.45qtl	120	1800	
Onion					Bulb	2.5 qtl	120 00	3600 0	
Leafy vegetabl es			0.2			0.7qtls		2100	
Tomato					Fruit	0.5qtl	850	1750	
Summer Squash					Vegetables	0.20qtl	370	800	
Cucumb er			1		Vegetable	0.20qt	370	800	
Forestry			1.2		Cuttings	2040 cuttings	816	7140 0	
Fodder			2.1		Fodder	85qtls	460	2250 0	
Others (spec	ify)	•		•	•	•	'	•	•
									T

1	I

12.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl.	Name of the		Amou			
No.	Product	Qty	Cost of inputs	Gross income	Remarks	
	Spawn	49kgs		2431		
	(PleurotusSpp)					

12.4 Performance of instructional farm (livestock and fisheries production)

	Name	De	Details of production Amount (Rs.)					
Sl. No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks	
1	Jersey Cows	Jersey	Milk	609.25ltrs		24370		

12.5 Utilization of hostel facilities:

Accommodation available (No. of beds) =

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2015			
May 2015			
June 2015			
July 2015			
August 2015			
September 2015			
October 2015			
November 2015			
December 2015			
January 2016			
February 2016			
March 2016			

12.6. Database management

12.0. Date	abase management	
S. No	Database target	Database created by the KVK

12.7 Rainwater Harvesting

Training programmes conducted using Rainwater Harvesting DemonstrationUnit

				No. of Participants including			No. of SC/STParticipants		
Date	Title of the training	Client	No. of		SC/ST				
Date	course	(PF/RY/EF	Courses	Male	Femal	Total	Male	Female	Total
)			e				

Demonstrations conducted using Rainwater Harvesting Demonstration Unit

Date	Title of the	Client	No. of			No. of	SC/ST Parti	icipants	
Date	Demonstration	(PF/RY/EF	Demos.			Total	Male	Female	Total

Seed produced using Rainwater Harvesting Demonstration Unit

Name of the crop	Quantity of seed produced (q)

Plant materials produced using Rainwater Harvesting Demonstration Unit

Name of the crop	Number of plant materials produced

Other activities organized using Rainwater Harvesting Demonstration Unit

Activity	No. of visitors
Visit of farmers	
Visit of officials	

13. FINANCIAL PERFORMANCE FINANCIAL PERFORMANCE

13.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	Jammu and Kashmir	Leh	0069010100001045
	Bank		

13.2 Utilization of KVK funds during the year 2022-23 (up to March 2023)

			1	Revised Es	timate		Expenditure				Closing
5. No.	Budget Head	Opening Balance as on 01.04.2022	other than TSP, SCSP, NEH	TSP	SCSP	Total	other than TSP, SCSP, NEH	TSP	SCSP	Total	Balanc e as on 31.03 .2023
	Grants for creation of Capital Assets (CAPITAL)					0					
1	Works					0					
	(i) Office Building					0					
	(ii) Residential Building					0					
	(iii) Minor Works					0					
2	Equipment			230000		230000		224499			5501
3	Information Technology					0					
4	Library Books and Journals					0					
5	Vehicle & Vessels					0					
6	Livestock					0					
7	Furniture & fixtures					0					
8	Others					0					
	Total - CAPITAL	0	0	230000	0	230000	0	224499	0	0	5501
9	Pay & Allowances	0	20050000			200500	20050000				0
	Grants in Aid - General					0					
10	Travelling Allowance (Domestic)		101000			101000	101000				0
11	A. Research Expenses	14624	316376			331000	330995				5
	B. Operational Expenses		420000			420000	419376				624

	C. Infrastructure										
	(Rent, Electricity,		424000			10/000	125021				140
	Water charges, Veh running exp,		126000			126000	125831				169
	insurance)										
	D. Communication										
	((Postage and		21000			21000	8770				12230
	telephone)						0,,0				
	E. Others (
	excluding										
	TA)(Printing and										
	stationery		150000			150000	140010				100
	consumable,		150000			150000	149810				190
	Advertising, Legal										
	Professional										
	charges)										
	F. Publicity &		0			0					
	Exhibitions		J								
	G. Guest House-										
	Maintenance (0			0					
	recurring only)										
	H Other		150000			150000	154520				-4520
	Miscellaneous										
	I. Repair &					0					
	Maintenance					_					
	(i) Equipment,		25000			25000	24943				57
	Vehicle & Others										
	(ii) Office		30000			30000	30000				0
	building										
	(iii) Residential		0			0					
12	building										
12	Revolving Fund					0					
	Total Recurring	0				0					
	Contingency					105400				-	
	Grants in Aid- General (RC+TA)	14624	1339376	0	0	135400 0	1345245	0	0	0	8755
	Grand Total (216340					
	Capital + Salary	14624	21389376	230000	0	00	21395245	224499	0	0	14256
	+General)										

3.3 Status of revolving fund (Rs. in lakhs) for the last four years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2018 to March 2019	1163043.01	297533.00	0.00	1460576.01
April 2019 to March, 2020	1460576.01	723898.00	696880.00	1487594.01
April 2020 to March, 2021	1487594.01	300770.00	645101.00	1143263.01
April 2021 to March 2022	1143263.01	329822.00	8,86,900.00	5,86,185.01
April 2022 to March 2023	793167.00	593096.00	383129.00	1003134.00

14.	Details of HRD	activities at	tended by	KVK s	staff during	2022-23
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Name of the staff	Title of the training programme	Institute where attended	Date

15. Please include any other important and relevant information which has not been reflected above (write in detail).

Annexures

<u>District Profile – I</u>

Although, Leh district is one of the largest districts of the country in terms of area, it has the lowest population density across the entire country. The district borders Pakistan occupied Kashmir and Chinese occupied Ladakh in the North and Northwest respectively, Tibet in the east and Lahoul-Spiti area of Himachal Pradesh in the South. The district of Leh forms the Northern tip of the Indian Sub Continent. According to the Geographical experts, the district has several other features, which make it unique when compared with other parts of the Indian Union. The district is the coldest and most elevated inhabited region in the country with altitude ranging from 2300 meters to 5000 meters. As a result of its high altitude locations, annual rainfall is extremely low. This low status of precipitation has resulted in scanty vegetation, low organic content in the soil and loose structure in the cold desert. But large-scale plantation has been going in the district since 1955 and this state of affairs is likely to change.

LOCATION AND PHYSICAL FEATURES

Leh district is situated roughly between 32 to 36 degree North latitude and 75 to 80 degree East longitude. The district covers approximately an area of 45100 Sq.kms on this side of line of control, which makes it the 2nd largest district in the country. The district is one of the coldest and most elevated inhabited regions in the country. The high mountain peaks, kissing the blue sky ranging from 18000 ft. to 26000 ft. in the

district are oriented in parallel ranges namely the Karakoram Range and the Zanskar ranges. The world highest motor able road viz**Khardongla** at an elevation of 18380 ft. links Nobra valley.

RIVERS

The Indus, the Shayok and the Zanskar rivers flow between the three mountain ranges resulting in the concentration of the population in the valleys in these rivers.

CLIMATE AND RAINFALL

District Leh experience extremes of climate temperature ranges from 30 degree Celsius in the short summer to minus 35 degree Celsius at the height of the winter at some places. Precipitation is very low averaging around 9 cm to 10 cm annually. The winter is always severe and makes the region inaccessible as roads link from Srinagar as well as Himachal Pradesh remain closed due to closure of Zojila, Rahtang and other passes due to heavy snowfall.

AGRICULTURE AND ALLIED ACTIVITIES

1.1AGRICULTURE

Agriculture is the backbone of the district economy as it engaged over 70% of the working force mostly as cultivators, agricultural labourers and livestock rearers, yet this sector has been now affected by the service sector especially Tourism as it attracts the people constantly. According to 2001 census, the work participation has reduced by 0.3%. Only 37.92% of the working force constitutes Cultivator whereas 4.85% (1981 census) are engaged in Livestock, hunting and forestry.

According to Village papers, the district has a reporting area of 51786 hectares out of which 9874 hectares has been brought under cultivation of various crops during 2011-12. Whole of the cultivated area is irrigated and mono cropped with main source of irrigation is canal/khuls. Double cropping is undertaken in some parts of Khaltsi and Nubra blocks.

Crop wise area brought under cultivation during the year 2011-12 is tabulated below:-AREA UNDER DIFFERENT CROPS.(2011-12)

S.No	Crop		Area
1.	Wheat	Hect.	2595
2.	Grim	Hect.	4488
3.	Pulses	Hect.	243
4.	Vegetable	Hect.	280
5.	Fodder	Hect.	1991

Technology Inventory and Activity Chart - III

Include

- 1. Krishi Vigyan Kendra, SKUAST-K Leh-1
- 2. Inventory of latest technology available * nil

Sl.	Technology	Crop/enterprise	Year of release	Source of	Reference/citation
No			or	technology	
			recommendation		
			of technology		
1.	Trench	Tomato	Trench (1998)	1KVK-Leh	-
		(PunjanChhuha	PunjanChhuhara	2. PAU	
		ra)	(1987)	Ludhiana	
2.	Low tunnel	Watermelon	2016	Rizwan Seed	-
		(Kalia)		Company	
3.	Low tunnel	Nursery	2007	KVK-Leh	-
		raising			
4	NSC-105B	Broccoli	2016	NSC	-

3. Activity Chart

Crop/Animal/E nterprise	Problem	Cause	Solution	Activity	Reference of Technology
Tomato	Low productivity of tomato under cold arid –leh district	Weed problem, low soil temperature and moisture under cold arid-Leh district	Black polythene mulching	Training and FLD programme on mulching technology in tomato in different parts of Leh district	SKUAST Kashmir, DIHAR leh

Subject: Minutes of 18^h Scientific Advisory Committee Meeting of KVK Leh

MINUTES OF MEETING OF 19TH SAC MEETING OF KVK-LEH HELD ON SEPTEMBER 6, 2022, CHAIRED BY HON'BLE VICE CHANCELLOR, SKUAST-K

The 19th Scientific Advisory Committee (SAC) meeting of KVK- Leh was held on 6thSeptember 2022, at SKUAST-K Stakna. The meetingwas chaired by Prof. (Dr.) N.A.Ganai, Hon'ble Vice Chancellor (HVC) SKUAST-K. Sh. StanzinChosphel, Executive Councillor (Agriculture.) LAHDC-Leh was the Chief guest while Sh. Ghulam Mehdi Executive Councillor (Horticulture) LAHDC-Leh, Sh. TashiNamgyalYakzee, Hon'ble Executive Councillor (Animal/Sheep) and Shri Ravinder Kumar, IAS, Commissioner Secretary, Agriculture Production UT Ladakh were the Guest of honourson this occasion. The meeting was also attended by Worthy Director Extension, SKUAST-K Prof. (Dr.) Dil Muhammad Makhdoomi, Registrar, Comptroller, Head KVK Pulwama, Dy. Registrar of SKUAST-K, officers from the line departments and progressive farmers. At the onset, Dr. D. Namgyal Associate Director (R&E) HMAARI, Leh welcomed the chief guest and other dignitaries. Dr. Feroz Din Sheikh, Professor and Head KVK Lehpresented the Action Taken Report of 19th SAC, Annual Progress Report APR 2022-23

(2021-22) and Action Plan (2022-23) of KVK Leh. He gave a detailed presentation on all the activities of last year including the Action Taken Report and work done under all ongoing externally funded projects. In his presentation, he presented the important achievements of KVK-Leh and the thrust areas where the Kendra is focusing. About 133 officials/farmers participated in the meeting. The important points came up during the discussion were as under.

Prof. Nazir Ahmad Ganai, Hon'ble Vice Chancellor SKUAST- K address:

- Appraised the work done by KVK Leh, especially in promoting Integrated Farming System, Livestock Production, Protected Cultivation and value addition of various locally produced agriculture crops for the benefits of tribal farmers of Ladakh region.
- KVK-Leh has presented itself as a role model for other KVKs of the University and he congratulate all the staff of KVK-Leh for achieving this excellence.
- Special remarks and satisfaction shown towards the externally funded ongoing research projects taken up by KVK-Leh during the past 2 years.
- Route map of future development programme has been developed, now there is need for proper follow-up with dedication.
- More emphasis should be laid on commercial production of vegetables owing to high photo intensity and less prone to diseases.
- Special attention to be given for organic farming in which KVK-Leh should play a role model for the entire Ladakh region.
- Imparting trainings on the latest technologies in agriculture to the field functionaries of line departments.
- Popularization of Value addition, development of more and more numbers of entrepreneurs and branding of produce among the local farmers.

Sh. Ravinder Kumar, IAS Secretary to HLG & Secretary (PDD/Animal & Sheep/Coop/Youth & Sports) address:

- Every effort should be made in increasing the farmers' income.
- Share the technologies related to pashmina production with line departments.
- Indigenous conservation of local crop varieties and livestock should be given priority.
- Popularization of bio pesticides among the farmers should be done.

Sh. StanzinChosphel, Executive Councillor (Agriculture.) LAHDC-Leh address:

- Acknowledged and praised the role of KVK-Leh in the overall development of farming system in Leh district.
- Need of fish farming to be taken up by KVK-Leh and in this matter fisheries department were told to open up two fish units (One trout and one carp unit) at KVK-Leh to study its performance.
- Submission of a project proposal related to organic agriculture.
- Trainings on value addition to the extension workers.
- Popularization of Honey production in Ladakh
- Praised the work done in understanding and documentation of various petroglyph art taken up by KVK-Leh and ask to submit a project proposal on Petroglyph in Ladakh

Sh. TashiNamgyalYakzee, Hon'ble Executive Councillor (Animal/Sheep) address

- Need to address the issue related to feed and fodder scarcity for the livestock of Ladakh region.
- Pasture development programmes should be included and submission of project on pasture development.

Prof. DilMohdMakhdoomi, Worthy Director Extension:

- Need to include newer crop varieties in the region taking the advantage of global warming
- Told the house about the hard work and dedication taken by the staff of KVK-Leh in outreaching programmes, developing entrepreneurs and value addition.
- Praised the ongoing livestock research and development programmes for the benefit of farming community of Ladakh through various schemes and externally funded project.
- Fish farming to be added in the present integrated farming system model of KVK-Leh in collaboration with fisheries department UT Ladakh.

Representatives from Agriculture Department LAHDC Leh

- Formulate a crop sequence for Ladakh greenhouse.
- Popularization of IFS model.
- Testing varieties of Red Rajma for organic production.
- High yielding varieties of wheat and barley varieties should be introduced.

Representatives from Animal Husbandry Department LAHDC Leh

- Involvement of line departments in Animal Health camps organized by KVK Leh
- Knowledge sharing with line departments.

Progressive farmers and Farm Women:

Appreciated the role of KVK-Leh in technology dissemination at the grassroots level, providing
inputs, necessary advice, diagnostic services, developing progressive farmers and all other
relevant information as required by them from time to time

Sd/-Professor and Head KVK Leh

Annexure –I

S.No	Name	Designation and Address
1	Prof. (Dr.) N. A Ganai,	Hon'ble Vice Chancellor (HVC) SKUAST-K.
2	Sh. Ravinder Kumar	IAS Secretary to HLG & Secretary (PDD/Animal &
		Sheep/Coop/Youth & Sports)
3	Sh. Stanzin Chosphel,	Executive Councillor (Agriculture.) LAHDC-Leh
4	Sh. Tashi Namgyal Yakzee	Executive Councillor (Animal) LAHDC Leh
5	Prof. (Dr.) Dil Muhammad	Director Extension, SKUAST-K
	Makhdoomi	
6	Dr. D. Namgyal	Associate Director (R&E) HMAARI
7	Dr. JigmetYangchen	PC KVK Nyona
8	Scientists	HMAARI, SKUAST-K Leh
9	SMSs	KVK Leh
10	Director CAZRI	CAZRI Leh
11	Head	G B Pant Leh
12	Official of Line Departments	
13	Progressive Farmers	
14	KVK Staff	
15	HMAARI Staff	
16		
17		
18		

Annexure II

Details of Training Programmes and other Extension Activities conducted during 2022-23

Note: Pleae furnish the details of above training programmes as Annexure in the proforma given below

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / Number of other participants			Numbe	er of SC	Z/ST	Total number of participants			
						Campus)	Mal e	Fem ale	Tota 1	Male	Fem ale	Tot al	Male	Fem ale	Tot al
		Awareness			1 day	On Campus									
21/4/20 22		programme on cause effect and solution to food security								3	39	42	3	39	42
		Organic Farming			1 day	On Campus				3	39	42	3	39	42
		Feeding Management of dairy cattle			1 day	On Campus				3	39	42	3	39	42
26/4/20 22		Kisan Bhagidhari Prathmikta Hmari campaign under Azadi ka Amrit Mahotsav			1 day	On Campus				49	118	167	49	118	167
13/5/		Scientific Crop								0	19		0	19	
2022		Cultivation										19			19
13/5/		Mother and Child								0	19		0	19	
2022		health issues and strategies										19			19
22/5/		Value addition of								0	8		0	8	
2022		Milk and Milk Production													
		(Sponsored programme under DST Sheep)										8			8
23/5/ 2022		Scientific management of								18	0	18	18	0	18

	Sheep and Gat									
	(Sponsored									
	programme under									
	DST Sheep)									
24/5/	Health benefit of		Off campus							
2022	milk and milk									
	products (Sponsored				0	20	20	0	20	20
	programme under									
	DST Sheep)									
28/5/	Live telecast of the		On Campus							
2022	Innauguration									
	programme on the									
	World Ist Nano Urea				8	21	29	8	21	29
	(Liquid) at IFFCO									
	by Hon'ble Prime									
	Minister									
31/5/	Kisan Samman		On Campus							
2022	Nidhi Yojna Live									
	Telecas									
20-	Scientific	3 days	Off campus							
22 nd	Management of				40	0	40	40	0	40
May	Sheep and Goat				40	0	40	40	0	40
2022										
21/6/	Healthy Diet	1 day	Off Campus		1	23	2.4	1	23	24
2022							24			24
21/6/	Importance of	1 day	Off Campus		1	23	24	1	23	24

2022	vegetable in Diet								
21/6/	Animal Health	1 day	Off Campus	1	23	2.4	1	23	2.4
2022						24			24
21/6/	Awareness on	1 day	Off Campus	1	23		1	23	
2022	balanced use of								
	fertilizer/Region					24			24
	Specific								
	Agroforestry								
22/6/	Scientific cultivation	1 day	Off Campus	0	57		0	57	
2022	of Vegetables					57			57
22/6/	Adolescent Health	1 day	Off Campus	0	57	57	0	57	
2022	issues					57			57
22/6/	Poultry rearing	1 day	Off Campus	0	57		0	57	
2022	under Cold Arid					57			57
	conditions								
22/6/	Awareness	1 day	Off Campus	0	57		0	57	
2022	programme on								
	cultivation of high					67			
	yielding varieties of					57			57
	wheat and barly								
	(IIWBR)								
23/6/	Technological	1 day	Off Campus	3	20		3	20	
2022	Intervention in					23			23
	vegetable crops								
23/6/	Women and Chile	1 day	Off Campus	3	20	22	3	20	22
2022	Health care					23			23

23/6/	Repeat breeding in	1 day	Off Campus	2	20	22	2	20	22
2022	cows			3	20	23	3	20	23
4/7/2	Baking of	1 day	Off Campus						
022	Multigrain cake and		(Ayee)	4	30	34	4	30	34
	cookies								
4/7/2	Organic cultivation	1 day	Off Campus	4	30	34	4	30	34
022	techniques		(Ayee)	4	30	34	4	30	34
4/7/2	Management of	1 day	Off Campus	1	30	24	4	30	34
022	Dairy Cattle		(Ayee)	4	30	34	4	30	34
4/7/2	Animal Health	1 day	Off Campus	0	5	12	0	5	12
022	Camp		(Ayee)	8	3	13	8	3	13
5/7/2	Promoting the	1 day	Off Campus						
022	neglected and		(Yarma)	20	28	40	20	28	40
	underutilized crops			20	28	48	20	28	48
	to include in diet								
5/7/2	Importance and	1 day	Off Campus						
022	concept of organic		(Yarma)	20	28	48	20	28	48
	farming								
5/7/2	Management of	1 day	Off Campus						
022	Parasitic diseases in		(Yarma)	20	28	48	20	28	48
	livestock								
6/7/2	Scientific vegetable	1 day	Off Campus						
022	cultivation		(Phukpochey	0	21	21	0	21	21
	techniques		,						
6/7/2	Awareness on	1 day	Off Campus		2.1			2.1	
022	balance diet and		(Phukpochey	0	21	21	0	21	21

	nutrient content in local food								
6/7/2 022	Management of diseases in dairy cattle	1 day	Off Campus (Phukpochey	0	21	21	0	21	21
	Cultivation of High Yielding varieties of Wheat and barley (IIWBR)	1 day	Off Campus (Phukpochey)	0	21	21	0	21	21
7/7/2 022	Awareness programme on food security	1 day	Off Campus (Panamic)	5	14	19	5	14	19
7/7/2 022	Importance of vegetables in nutritional security	1 day	Off Campus (Panamic)	5	14	19	5	14	19
7/7/2 022	Feeding Management in dairy cattle	1 day	Off Campus (Panamic)	5	14	19	5	14	19
7/7/20 22	Animal Health Camp	1 day (Off Campus (Panamic)	6	17	23	6	17	23
16/7/2 022	94 th ICAR Foundation Day	1 day	On Campus	12	43	55	12	43	55
8/8/2 022	Processing of Tomatoes (Puree and Chutney)	1	Off campus (Matho)	0	30	30	0	30	30
8/8/2	Mulching	1	Off campus (Matho)	0	30	30	0	30	30

022	Technology and								
	application								
8/8/2	Insect Pest	1	Off campus						
022	Management in		(Matho)		0 3	0 3	0	30	30
	Vegetable Crops								
9/8/2	Insect Pest	1	Off Campus						
022	Management		(Chuchot)		$\begin{bmatrix} 0 & 1 \end{bmatrix}$	5 1	5 0	15	1.5
	(Under NICRA				0 1	5 1		13	15
	Project)								
9/8/2	Mulching	1	Off Campus						
022	Technology and		(Chuchot)		$\begin{bmatrix} 0 & 1 \end{bmatrix}$	5 1	5 0	15	1.5
	application(Under				0 1	5 1		13	15
	NICRA Project)								
1/9/2	Mulching and Low								
022	tunnel technologies				9 2	5 4	19	25	44
	for vegetable				.9 2	3 4	19	23	44
	production								
1/9/2	Integrated Pest and								
022	Disease				9 2	5 4	19	25	44
	Management								
2/9/2	Scientific Vegetable			1	2 1	6 2	12	16	20
022	Cultivation				3 1	$6 \mid 2$	13	10	29
2/9/2	Integrated Pest and								
022	Disease				3 1	6 2	13	16	29
	Management								
15/9/	Nutrition and			1	0	1	5 10	6	16

2022	Vitamins present in									
	different vegetables									
	and their role									
15/9/	Nutrient present in									
2022	local foods and their				10	6	16	10	6	16
	health benefits									
17/9/	Role of greenhouse									
2022	technology in									
	sustaining year				15	40	55	15	40	55
	round nutritional									
	security									
17/9/	Insect Pest									
2022	Management in				15	40	55	15	40	55
	vegetables									
26-9-	Scientific	10 days	Off							
2022	Management of		Campus							
to	Sheep and Goats in									
5/10/	Mountains Under									
2022	DST STI Hub									
	Project on						10	4		10
	Production,				4	6	10	4	6	10
	Improvement,									
	Sustainable									
	Development and									
	Livelihood									
	Improvement of									

	Threatened Tribal								
	Nomads of Ladakh Through Scientific								
	Sheep and Pashmina								
	Goat Rearing								
7/9/20	1 st LadakhAgriExpo,								
23	KisanMelaKargil)								
	SAC Meeting			74	59	13	74	59	13
						3			3
17/9/2	PoshanMah			15	40	55	15	40	
022	0.121	1	O CC						
5/10/	Soil Nutrient		Off						
2022	Management in		Campus	0	21	21	0	21	21
	collaboration with								
	IFFCO								
17/10	Kisan Samman	1	On	12	25	37	12	25	37
/2022	Sammelan		Campus	12	23		12	23	31
	Scientific	10 days	Off						
	Management of		Campus						
26-9-	Sheep and Goats in								
2022	Mountains Under								
to	DST STI Hub			4	6	10	4	6	10
5/10/	Project on								
2022	Production,								
	Improvement,								
	Sustainable								

	Development and Livelihood								
	Improvement of								
	Threatened Tribal								
	Nomads of Ladakh								
	Through Scientific								
	Sheep and Pashmina								
	Goat Rearing								
1 st to	Farmers Outreach	2 days	On	0	40		0	40	
2 nd	Progrmme on	2 4435	Campus						
Nove	Natural Farming (2					40			40
mber	days)								
2022									
3 rd -	Farmers Outreach	2 days	On	8	32		8	32	
4 th	Programme on		Campus						
Nove	Natural Farming (2					40			40
mber	days)								
2022									
7 th –	Farmers Outreach	2 days	On	0	40		0	40	
8 th	Programme on		Campus						
Nove	Natural Farming (2					40			40
mber	days)								
2022									
15/11	One day Awareness	1 day	KVK Leh	0	28		0	28	
/2022	programme on Jal								28
	Shakti Abhiyan								

25/11 /2022	Sensitization programme on Healthy Diet for healthy life	1 day	Off Campus (Chemdar y)	0	27		0	27	27
12 th - 13 th Nove mber 2022	Scientific Management of Sheep and Goats (Under DST STI Hub Project) (2 days)	2 day	Off Campus	10	0		10	0	10
14 th – 15 th Nov 2022	Scientific Management of Sheep and Goats (Under DST STI Hub Project) (2 days)	2 day	Off Campus	0	21		0	21	21
25/11/ 202	Kisan Gosthi	1 day	Off Campus (Chemday	0	27	27	0	27	27
12/12 /2022	Awareness programme on formation of Fish Farmer Producer Organization			7	26	33	7	26	33
31/12	Training Cum			8	45	53	8	45	53

/2022	Awareness									
	Programme on									
	Natural Farming									
31/12	method									
	demonstrations(Natu				8	45	53	8	45	53
	ral Farming)									
	KisanMela under Jal				10	40	(7	19	48	(7
	Shakti Abhiyan				19	48	67	19	46	67
5/12/	World Soil Day				0	22	22	0	22	22
8/12/	KVK Annual Day				35	22	57	35	22	57
23/12	Kisan Diwas				20	17	37	20	17	37
3/1/2	Storage concepts									
023	and storing				10	43	53	10	43	53
	vegetables for winter				10	43	33	10	-1 3	33
	months									
3/1/2	Management of									
023	dairy animals during				10	43	53	10	43	53
	winter months									
3/1/2	Safe use of				10	43	52	10	43	52
023	pesticides				10	43	53	10	43	53
3/1/2	Mushroom				10	43	52	10	43	52
023	Cultivation				10	43	53	10	43	53
7/1/2	Importance of soil									
023	microbes in				10	41	60	10	11	60
	maintaining soil				19	41	60	19	41	60
	health									

7/1/2	Safe use of				10	41	60	10	41	
023	pesticides				19	41	60	19	41	60
7/1/2	Management of									
023	yellow rust and				19	41	60	19	41	60
	loose smut in barley									
7/1/2	Preservation of feed				19	41	60	19	41	60
023	and fodder				19	41	00	19	41	00
	Animal Health									
	Camp									
	Animal Health									
	Camp									
7/1/2	method				19	41				
023	demonstrations						60	19	41	60
	(Natural Farming)									
4/2/2	Vermicomposting				3	15	18	3	15	18
023					3	13	18	3	13	18
4/2/2	Management of									
023	Yellow Rust and				2	15	18	3	15	18
	Loose Smut in				3	13	18	3	13	18
	Wheat									
4/2/2	Integrated Pest				3	15	18	3	15	18
023	Management				3	13	18	3	13	18
4/2/2	Out scaling of									
023	Natural farming				2	15	18	3	15	10
	through Krishi				3	13	18	3	13	18
	Vigyan Kendras									

24/2/	Webinar attend (Post				23	42				
	Budget Webinar,							23	42	5.5
	PM Kissan Samman						55	23	42	55
	Nidhi)									
27/2/	Webinar Kisan									
	Samman Nidhi						37			37
	Yojna									
18/3/	Importance of				2	16	1.0	2	16	1.0
2023	Millets				2	10	18	2	10	18
18/3/	Raising Healthy				2	16	1.0	2	16	1.0
2023	Vegetable Nursery				2	10	18	2	10	18
18/3/	Pest Management in				2	16	1.0	2	16	1.0
2023	Vegetable Crops				2	10	18	2	10	18
16/3/	Preparation of Rose				0	2	2	0	2	_
2023	Hip Jam				0	2	2	0	2	2
18/3/	Webinar attend				2	16				
2023	(International Millet						18	2	16	18
	conferernce)									