KRISHI VIGYAN KENDRA AMBALA

ACTION PLAN -2022

SOCIETY FOR CREATION OF HEAVEN ON EARTH

KRISHI VIGYAN KENDRA,VILLAGE TEPLA,

POST SAHA,DISTRICT AMBALA (HRY.)

INDEX

KRISHI VIGYAN KENDRA, AMBALA

DETAILS OF ACTION PLAN OF KVKs DURING 2022

(1st January 2022 to 31st December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
KRISHI VIGYAN KENDRA Vill. Tepla, Post Saha District Ambala-133 104 (Haryana)	Office 0171-2822522	FAX 0171-2822522	kvkambala@gmail.com	ambala.kvk2.in

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

Address	Telephone		E mail	Website
	Office	FAX		
SOCIETY FOR CREATION OF HEAVEN ON EARTH Camp Office: KRISHI VIGYAN KENDRA Vill.Tepla, Post Saha, District Ambala-133 104 (Haryana)	0171-2822522 Mob.No. 9810087383	0171-2822522	bakshi.akhil@gmail.com	ambala.kvk2.in

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 002049065

1.2.d Status of ICT lab at your KVK : N.A.

1.3. Name of the Senior Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. (Mrs.) Upasana Singh	0171-2822522	8295406560	upasanasinghrathee@gmail.com

1.4. Year of sanction: 1995

1.5. Staff Position (as on 1 January, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Level	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. (Mrs.) Upasana Singh	Senior Scientist & Head	Home Science	--	14	172200	04.08.08	Permanent	Gen.	8295406560	upasanasinghrathee @gmail.com	
2	Subject Matter Specialist	Sh. Ramesh Kumar	SMS(Agril. Extension)	Agricultural Extension	--	11	85800	14.08.08	Permanent	Gen.	9017975976	rameshjhorar @rediffmail.com	
3	Subject Matter Specialist	Er. Guru Prem*	SMS (Soil & Water Management)	Soil & Water Mgt.	--	11	83300	28.11.09	Permanent	Gen.	9416355892	gpgrover79 @gmail.com	
4	Subject Matter Specialist	Sh.Vikram Dhirendra Singh	SMS (Plant Protection)	Plant Protection	--	11	71800	12.06.14	Permanent	Gen.	8950235630	vdskvkambala@gmail.com	
5	Subject Matter Specialist	Dr.Amit Kumar	SMS (Horticulture)	Horticulture	--	11	69700	12.08.15	Permanent	Gen.	9991567854	amitbaliyan2009 @gmail. com	
6	Subject Matter Specialist	Sh.Rajendra Kumar Singh	SMS(Agronomy)	Agronomy	--	10	61300	11.9.18	Permanent	Gen.	8948490351	rajanmpsingh @gmail.com	
7	Subject Matter Specialist	Dr.Naveen Saini	SMS (Animal Science)	Animal Science	--	11	61300	26.9.18	Permanent	Gen.	8387051484	naveensaini709 @gmail.com	
9	Accountant/ Superinten-dent	Sh. Yogesh Kumar	Accountant	Accounts	--	6	36500	16.12.2020	Permanent	Gen.	7837724186	yogeshsandhu22 @gmail.com	
9	Farm Manager	Sh. Abhay Kumar	Farm Manager	Agriculture	--	9	80200	08.12.97	Permanent	Gen.	9416113081	abhay9416113081 @gmail. com	
10	Computer Programmer	Mrs. Meera Sharma	Computer Programmer	Computer	--	7	56900	01.04.08	Permanent	Gen.	9467677662	meerasharma1968 @gmail. com	
11	Programme Assistant	Vacant	--	--	--	--	--	--	--	--	--	--	--
12	Steno-grapher	Sh. Charanjeet Singh	Steno	--	--	4	33300	16.02.12	Permanent	Gen.	8684070786	--	
13	Driver	Sh. Shyam Lal	Driver-cum-Mechanic	Jeep	--	4	29600	16.02.12	Permanent	SC	9466331139	--	
14	Driver	Sh. Sandeep Kumar	Driver-cum-Mechanic	Tractor	--	4	32738	23.12.21	Permanent	Gen.	9729324461	--	
15	Supporting staff	Sh. Raman Kumar	Supporting Staff	--	--	2	33000	27.05.96	Permanent	Gen.	9416847720	--	
16	Supporting staff	Sh. Karamjit Singh	Supporting Staff	--	--	2	31100	12.08.02	Permanent	SC	8901188631	--	

* Er. Guru Prem is on Study Leave w. e. f. 1.8.2021.

1.5 (a) DAMU Project

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Level	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
2	Agromet Observer	Miss Vishu	Agromet Observer	Agromet Observer	--	3	21700	11.11.20	Contract-ual	SC	7056033522	Vishubrar666@gmail.com	

1.5 (b) ARYA Project

Sl. No.	Sanctioned post	Name of the incumbent	Désignation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)	Mobile No.	Email id	attach recent photograph
1	SRF	Sh.Dhirendra Singh	SRF (ARYA)	--	--	--	31100 + HRA	28.9.18	Temporary	Gen.	8795540755	dhirendrasingh393@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.4
2.	Under Demonstration Units	2.0
3.	Under Crops	9.0
4.	Horticulture	4.0
5.	Pond	--
6.	Others (Farm Roads & Drainage)	1.0
	Integrated Farming System	1.0
	Total	**18.4**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	**Administrative Building**	ICAR	1997-98	662.67	1783000 837000	--	--	--
2.	**Farmers Hostel**	ICAR		311.13		--	--	--
3.	**Staff Quarters (6)**	--	--	--	--	--	--	--
4.	**Demonstration Units (2)**			539.26	1005000	--	--	--
	Poultry	ICAR	1997-98	50.96	--	--	--	--
	Goatry	ICAR	1997-98	89.30	--	--	--	--
	Piggery	ICAR	1997-98	364.0	--	--	--	--
	Mushroom	ICAR	1997-98	35.0	--	--	--	--
	Vermi Compost	ICAR	2005	35.0	--	--	--	--
	Azolla	--	2019	--	13000			
9	**Fencing**	ICAR	1997-98	254.40	238000	--	--	--
10	**Rain Water harvesting system**	--	--	--	--	--	--	--
	Threshing floor	--	--	--	--	--	--	--
	Farm godown	ICAR	1997-98	300 sq.m	300000	--	--	--
	IFS	ICAR	2010	1 ha	64000	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	March,2017 August,2019 (CRM) August,2020 (Ex-situ)	5,98,292.00 6,45,000.00 --	1160 1217 77.6	Good Good Good
Jeep	March,2017	6,71,361.00	89000	Good
Motor cycles(2)	2009-10 2009-10	Both Motor cycles were provided by Society for Extension work	64859 21364	Poor

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
I. Agricultural Machinery / Implements			
Tractor	2016-17	598291	Good
Trolly	2016-17	155000	Good
Happy Seeder (2)	2016-17	112000	Good
	2019-20	140000	Good
Sub-soiler	2015-16	7800	Good
Seed Treatment Drum	2012-13	4679	Good
Laser Land Leveler alongwith Disc Harrow	2011-12	398900	Good
M. B. Plough (2)	2011-12	18025	V.Poor
Cultivator 11 tine for Rice-Wheat	2011-12	17000	V.Poor
Cultivator/ Weeder for Sugarcane weeding	2011-12	13800	Poor
Trench Digger	2010-11	19800	V.Poor
Seed Drill (9 Rows)- 2	1996-97	16500	V.Poor
Disc Plough	1996-97	10500	V.Poor
Welding Set	1997-98	9706	V.Poor
Happy Seeder -2	2018-19	331520	Good
Chopper/Shredder/Mulcher -4	2018-19	370000	Good
	2019-20	270000	Good
Zero Till Drill -4	2018-19	227360	Good
Reversible M B Plough-3	2018-19	195000	Good
	2019-20	300000	
Cutter cum spreader/Shrub Master -1	2018-19	44800	Good
Rotavator (2)	2019-20	210000	Good
II. A.V. Aids			
LED	2016-17	23500	Good
LCD Projector & Camera	2006-07	85000	Poor
PA System & Speakers	2015-16	23975	Good
Display board, stand, Magazine stand etc.	2015-16	10000	Good
III.Office –cum-Lab Furniture/ Equipment			
A.E-extension			
Computer UPS (2 Nos.)	2016-17	73500	Good
Printer (1)	2016-17	15500	Good
Hard disk, Modem & Wi-fi Router	2016-17	13530	Good
HP Laptop	2018-19	32000	Good
HP Printer	2018-19	12500	Good
HP Desktop with LED	2018-19	21000	Good
Hard disk (1 TB)	2018-19	3800	Good
B. Lab Equipment			
Mridaparishak (1)	2016-17	90300	Refill not available
Spectro Photmeter	2009-10	886970	Poor
Flame Photometer	2009-10	44300	Satisfied
PH Meter	2009-10	6940	Satisfied
Conductivity meter	2009-10	15957	Satisfied
Physical Balance	2009-10	10406	Satisfied
Chemical Balance	2009-10	78750	Satisfied
Water still	2009-10	69620	Satisfied
Kjeldahl unit	2009-10	43132	V.Poor
Shaker	2009-10	26438	Satisfied
Refrigerator	2009-10	21200	Satisfied
Oven	2009-10	34875	Poor
Hot Plate	2009-10	2250	Satisfied
Grinder	2009-10	18562	Satisfied
Chemicals & Glass ware	2009-10	66980	Satisfied

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
C.Basic Plant Health Diagnostic Facility /Lab			
Microscope	2009-10	198191	Satisfied
Hot Air Oven Incubator and autoclave	2009-10	156203	Poor
Kent RO with accessory	2009-10	23400	Satisfied
Oven	2009-10	7190	Satisfied
Refrigerator Camera	2009-10	53200	Satisfied Very Poor
Laminar air flow and table desk	2009-10	122496	Satisfied
Thermo hygrometer and heating mantle	2009-10	2374	Satisfied
Inverter	2009-10	23600	Poor
Balance	2009-10	53550	Satisfied
Magnetic stirrer	2009-10	3793	Satisfied
Almirrah	2009-10	17700	Satisfied
Furniture	2009-10	12375	Satisfied
Glass & Plastic ware/Chemicals	2009-10	73515	Satisfied
Light Trap	2009-10	5400	Satisfied
IV. Hostel /Furniture & Fixture			
Round chairs (15)	2016-17	18666	Good
Centre Tables (2)	2016-17	9619	Good
Arm Chair (2)	2016-17	5656	Good
Office Chairs (10)	2018-19	27730	Good
Office Table	2018-19	4848	Good
Cup Board	2018-19	10148	Good
Computer Tables (2)	2016-17	4525	Good
Coolers (6)	2016-17	61800	Good
Sofa Cushions (4)	2016-17	11765	Good
Hostel Utensils & other items etc.	2016-17	11930	Good
Furniture(Lab chair, Matters,Water Cooler, RO, Stablizer,Invertor,Curtain etc.)	2015-16	447988	Good
Inverter with 2 Batteries	2018-19	21600	Good
Spilit AC Hitachi with Stablizer	2018-19	42800	Good
Almira Godrej	2018-19	19000	Good
Brooders	2018-19	6372	Good
Rehri	2018-19	8800	Good
III. IFS			
Solar Lights	2016-17	97600	Good

1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	01-07-2022

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rice-Wheat
2	Rice-Sugarcane-Wheat
3	Rice-Potato-Rabi onion/Maize
4	Wheat-Summer Moong-Rice
5	Dairy Farming, Piggery, Goatery, Poultry & small scale household enterprises

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

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	Dry-sub Humid Zone of Haryana State **South-West Part similar to dry-sub-humid Zone**	Annual average rainfall is 1000 mm/yr.(app.) Source of irrigation – Tubewell (85%) & canal (15%)
2	North-East Part almost similar to Sub-Humid Sutlej Ganga Alluvial Plain Zone and falls under Shivalik foot-hills area	Ground Water Status – Dark Zone Temperature range - 2^0C – 45^0C

b) Topography

S. No.	Agro ecological situation	Characteristics
S. No.	**Agro ecological situation**	**Characteristics**
1*	The land use pattern in Ambala district indicates that 0.74% of its total geographical area (1, 53, 171 ha) is under forest and about 88% of the total geographical area is cultivable area. Out of total geographical area about 86% is net sown area and the net irrigated area is approximately 98% i.e. 128590 ha (canal-14.4% and tubewell-85.6%)	Rice, Wheat and Sugarcane are the dominating crops which accounts for 62%, 66% and 8% respectively of the total sown area. About 10-12% of the total net sown area comes under the cultivation of horticultural crops (fruit, vegetables, flowers, spices and medicinal crops). The trend of cultivation of Agro-forestry crops is also increasing day by day and up to the end of this financial year, about 3.32% area of cultivated land has already been covered by these crops. The productivity of most of the crops in the district is slightly higher than the state average except in case of wheat and oilseeds. Pulses and oilseeds occupy a very small area in the district. Livestock rearing has been an important component of the farming system in the district. The main source of dairy products in the district is buffalo & cow milk. Piggery & Poultry other important enterprises in district.

KVK Latitude 30^0 18' 20" N 76^0 55' 46" E Mean Sea level = 265 mtr.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
	South – West part		
1	Ustifluvent	Very deep well drained coarse loamy calcareous stratified soils with loamy surface on nearly level plain. Slightly eroded, subject to slight flooding associated with slight salinity	Block : Ambala-I (~ 50400 ha)
2	Typic & Fluventic Ustrochepts	Very deep moderately well drained fine loamy calcareous soils with loamy surface on nearly level plain lightly saline, slightly sodic moderately flooded, gently sloping plain with slight erosion in some areas	Block: Ambala-II (~ 13100 ha)
	North-East part		
1	Typic Ustifluvent	Stratified coarse loamy soil with loamy surface on nearly level plain slightly eroded, slightly sodic subject to slight flooding. Associated with very deep well drained calcareous stratified coarse loamy soils with loamy surface	Block: Saha (~ 15300 ha)
2	Ustifluvent	Very deep well drained coarse loaming calcareous stratified soils with loamy surface on very gently sloping plain moderately eroded slightly sodic sandy soils	Block: Naraingarh & 40% part of Block Barara & 60 % Shahzadpur (~39000 ha)
3	Udic Ustrochepts	Very deep moderately well drained fine loamy soil with loamy surface on nearly level plain slightly eroded	60% part of Block Barara & 40 % Shahzadpur (~17200 ha)

2.4. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
I	**Agronomy Crops (2019)**			
1	Rice	85,000	2,77,000	32,60
2	Wheat	88,000	4,18,000	47.49
3	Sugarcane	11,500	8,30,000	721.39
4	Maize	100	500	54.54
5	Rabi Oilseed	3,100	6,000	20.57
6	Rabi Pulses	1,000	1,000	10.0
7	Kharif Pulses	1,000	1,000	9.0
8	Kharif Oilseeds	100	100	7.0
9	Sunflower	2,800	5,700	20.35
9	Fodder crops			
II	**Horticulture crops (2020)**			
I	Fruits			
1	Mango	1432.9	10122	7.06
2	Guava	560.1	10888	19.43
3	Citrus	10	369	369
4	Ber	6	27	45
5	Grapes	0	0	0
6	Aonla	3	187	623.3333
7	Chiku(Sapota)	84.8	22	2.59434
8	Litchi	10	5	5
9	Peach	10.2	0	0
10	Pear	21.8	7	3.21101
11	Plum	4.8	1	2.08333
12	Strawberry	0.8	18	225
III	**Vegetable crops**			
1	Potato	3610	95724	26.51
2	Onion	3120	55362	17.74
3	Tomato	2380	289180	121.50
4	Radish	2481	452890	182.54
5	Carrot	2594	474260	182.82
6	Cabbage	851	12726	149.5417
7	Cauliflower	2608	401900	154.10
8	Chillies	1166	44380	38.06
9	Capsicum	1086	4228	38.93186
10	Bhindi	1542	7260	47.08171
11	Brinjal	485	12065	248.7629
12	Arbi	30	179	59.66667
13	Peas	158	12761	807.6582
14	Leafy vegetables	3999	350110	87.54
15	Cucurbits			
	i) Bottle gourd	1766	22538	127.6217
	ii) Ridge gourd /Sponge Gourd	539	25670	476.2523
	iii) Cucumber	950	105430	110.9789
	iv) Muskmelon	442	42	0.95023
	v) Water melon	51	29	05.68627
	vi) Pumpkin	141	1541	109.2908
16	Others	28	414	147.8571

(Source: Agriculture Department & Horticulture Department, Ambala)

2.5. Weather data (2021)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January, 2021	19.6	17.62	7.56		
February, 2021	30.0	22.09	9.27		
March, 2021	9.1	30.45	15.30		
April, 2021	25.2	35.1	18.4		
May, 2021	39.7	35.9	22.2		
June, 2021	67.0	37.1	25.8		
July, 2021	298.8	35.0	27.1		
August, 2021	94.6	34.1	26.5		
September, 2021	154.2	32.9	25.3		
October, 2021	38.2	31.6	20.8		
November, 2021	0	27.09	12.36		
December, 2021	0	21.48	8.81		
Total					

(Source: Metrology Department, Chandigarh)

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

Category	Population	Production	Productivity
Cattle	62,620	39,040 tons	5.8 Lit/D/Animal
Crossbred			
Indigenous			
Buffalo	2,15,341	1,64,607 tons	5.6 Lit/D/Animal
Sheep	13,468	21,634 kg. Wool 2,48,156.19 kg. Meet	--
Crossbred			
Indigenous			
Goats	7,616	5,13,100 kg Milk 4,56,230 kg. Meet	--
Pigs	5,096	3,03,520 kg. Meet	58.40 kg./Pig
Crossbred			
Indigenous			
Horse pony	1527	--	--
Mules	187	--	--
Donkeys	26	--	--
Dogs	10305	--	--
Rabbits	1,126	--	--
Hens	7,09,110	258038700 Eggs	327300 kg. Chicken
Fish			
Ponds	370.14 ha (Area)	1932.5 ton	5.14 /ha
Notified waters (Rivers etc.)	--	200 ton	--

*Statical report

**Population data are collected after five years* (Source : Department of Animal Husbandry, Ambala)

2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Barara	Saha	**Phulelmajra Akbarpur ,Tepla Bihta ,Saha, Dhurala,Goli Hamidpur,Landha Jawahargarh Samelhari,Haldari Sambhalkha Paplotha Allahpur Langar-channi Laha Majra Chudiala, Chudiali Nagla,Mithapur Rampur,Hema-majra**	**Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery**	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion , Tomato & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & unjudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds -Unhygienic condition -Poor health & nutritional status	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Non availability of vegetable seeds & lack of scientific knowledge for value addition of seasonal fruits & vegetables -Fatigue in performing household & field work	-Women empowerment through knowledge and skill upgradation -Promotion of Nutrition gardens -Processing & value addition -Drudgery reducing women friendly tools & technologies

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Ambala cantt	Ambala – II	**Sapera Kardhan Khudda Ratenhari Kapoori Topkhana**	**Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery**	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Unhygienic condition -Poor health & nutritional status	-Women empowerment through knowledge and skill upgradation

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Ambala city	Ambala-I	**Durana. Kot-Kachhwa Machhaunda, Naggal, Dukheri Ugala , Jalbehra , Dhanaura , Mohra**	**Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery**	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Unhygienic condition -Poor health & nutritional status	-Women empowerment through knowledge and skill upgradation

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Barara	Barara	**Adhoi Dheen Ghelri Hamamajra Rajouli Tangail Thambar , Rajokheri Sadakpur**	**Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery**	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Poor health &nutritional status	-Women empowerment through knowledge and skill upgradation

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Naraingarh	Shahzad-pur	**Pilakhani Bichpuri Kadasan Kodwa Neknama Racheri Salaula**	**Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery**	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Poor health &nutritional status	-Women empowerment through knowledge and skill upgradation

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Naraingarh	Naraingarh	**Badagarh Ballopur Panjlasa Gadoli Kurali Nanhera Bakhtua Badikodi Badholi Nabipur Ahmadpur Chazzalmajra Jolly, Banaundi Nagla Rajputan**	**Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery**	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Poor health &nutritional status	-Women empowerment through knowledge and skill upgradation

2.8 Priority thrust areas

Crop/Enterprises	Problem	Thrust Area
Rice, Wheat, Sugarcane, Maize Oilseed & Pulses & Farm Machinery	❖Low Yield :Traditional field preparation techniques and high cost of cultivation ❖ Old varieties ❖ Low productivity -Rice-wheat cropping system ❖ Problematic soil & water ❖ Deterioration in soil properties ❖ Declining ground water table ❖ Insect- Pest & Disease occurrence	❖ Promotion of RCT to get high return ❖ Integrated Crop Management ❖ Crop Diversification in rice-wheat cropping system through Maize, pulses & Oilseed crops ❖ Soil Fertility Management ❖ Enhancement of Crop productivity with nutrient & weed management ❖ Promotion of Organic farming ❖ Crop Residue Management ❖ Improved irrigation systems and methods for water conservation ❖ Integrated Pest & Disease Management
Potato, Onion Tomato & other Vegetable & Fruit crops	❖ Low yield : -Poor crop management techniques -Injudicious use of inputs -Old varieties -Poor net return due to sole crops ❖ Insect- Pest & Disease occurrence	❖ Promotion of :Improved varieties Crop production & management techniques ❖ Promotion of :Inter-cropping layout ❖ Integrated Pest & Disease Management
Livestock	❖ Lean months scarcity of fodder /Low fodder yield: Old varieties ❖ Low & unhygienic milk production- Poor nutritional & management practices , Mastitis problem ❖ Anoestrus, Repeat Breeding ❖ Suboptimal production in Poultry birds , No improved breed/variety ❖ Suboptimal production of Piggery (Local breed, Nutritional Management)	❖ Improved Poultry Breeds -Improved Fodder varieties , Azolla etc. ❖ Management in Dairy animals, Goat, Poultry, Pig through knowledge up-gradation
Women Empowerment	❖ Poor health & nutritional status	❖ Women empowerment through :Knowledge & skill up gradation ❖ Promotion of Nutritional gardens, Processing and value addition ❖ Improve Health, Hygiene & Sanitation

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
7	70	104	375

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
P.F. = 36 R.Y. =12 E.F. =04	760 380 100	166	8074

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
Wheat – 150 qtl Paddy – 30 qtl. Sugarcane : 1500 qtl Mustard – 10 qtl.	3000	--	500

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
A.	**Agronomy**								
1	**Varietal Evaluation**	Wheat	Farmers preferred high yielding variety rather preferring nutrient rich variety	--	Improved Wheat variety DBW-90	1.Integrated Crop Management in Wheat	Integrated Nutrient Management	• Survey • Kisan Gosthi • Field Day • Kisan Mela • World Food day • Farm Advisory Services (FAS)	▪ Seed ▪ Micronutrient (Zn) ▪
2.	**Integrated Crop Management**	Mustard	Declining ground water table due to Rice-wheat cropping system	--	Integrated Crop Management in Mustard	Integrated Crop Management in Oilseed	--	• Survey • Kisan Gosthi • FAS	▪ Seed ▪ Biofertilizer (PSB & Consortium)
		Chickpea Lentil Mungbean	Declining ground water table due to Rice-wheat cropping system	--	-Integrated Crop Management in Chickpea -Integrated Crop Management in Lentil -Integrated Crop Management in Mungbean	Integrated Crop management in Pulse crops	--	• Survey • Kisan Gosthi • Field Days • FAS • News	▪ Seed (Biofortified varieties) ▪ Micro Nutrient ▪ IPM ▪ IDM
3.	**Crop Diversification**	Maize	Declining ground water table	--	Integrated Crop Management in Maize	Integrated Crop Management in Maize crop	--	• Survey • Kisan Gosthi • Field day • FAS • News	▪ Seed ▪ Pendimethaline
		Arhar	Declining ground water table	--	--	Integrated Crop management in Pulse crops	--	• Survey • Kisan Gosthi • Field day • FAS • News	▪ Seed ▪ Pendimethaline

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
B.	**Plant Protection:**								
4	**Integrated Pest Management**	Tomato	Attack of Fruit Borer	Integrated Pest Management of Fruit borer in Tomato	--	Integrated Pest Management in Tomato	--	• Survey • Kisan Gosthi • Diagnostic Services • FAS	Flubendiamide 480 SC
5	**Integrated Disease Management**	Tomato	Occurrence of Early blight	--	Integrated Management of Early blight in Tomato	Integrated Disease Management in Tomato	--	• Survey • Kisan Gosthi • Diagnostic Services • FAS	-Mancozeb M-45 75% WP
		Potato	-Occurrence of Early blight - Use of un-recommended dose of Fungicide	Management of Early blight in Potato	Integrated Management of Late blight in Potato	Integrated Disease Management in Potato	--	• Survey • Kisan Gosthi • Diagnostic Services • FAS	-Copper Oxychloride 50% WP @ 1.5-2.0 kg/ha - Mancozeb M-45 75% WP
		Onion	Occurrence of Purple blotch	--	Integrated Management of Purple blotch in Onion	Integrated Disease Management in Onion	--	• Survey • Kisan Gosthi • Diagnostic Services • FAS	Mancozeb M-45 75% WP
		Sugarcane	--	--	--	Integrated Disease Management in Sugarcane	--	• Survey • Kisan Gosthi • Diagnostic Services FAS	--
C.	**Horticultural Crops**								
6	**Crop diversification**	Onion	Declining ground water table	--	Integrated Crop Management in Onion	Integrated Crop Management in Onion	--	• Survey • Kisan Gosthi • Field Days • FAS	-Seed @ 10 kg/ha -Pendimethalin
7	**Integrated Crop Management**	Chilli	Low yield due to flower drops & leaf curl disease	Management of Leaf curl in Chilli	Integrated Crop Management in Chilli	Integrated Crop Management in Chilli	--	• Survey • Kisan Gosthi • FAS	-Planafix & Imidachloropid -Phorate and Carbofunan
		Potato	Poor Weed	--	Integrated Crop	Integrated Crop	--	• Survey	Pendamethalin @

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
			Management & un-recommended use of fungicides		Management in Potato	Management in Potato		• FAS • Field Day	5 lit./ha Diethane (M-45) @ 1.5 kg/ha
		Tomato	Low yield due to injudicious use of pesticides	--	--	Integrated Crop Management in Tomato	--	• Survey • Kisan Gosthi • FAS	-Pendamethalin -Cypermethrin -Mencozeb
8.	**Integrated Nutrient Management**	Potato	Low yield of Potato	Nutrient Management in Potato	--	Integrated Crop Management in Potato	--	• Survey • Kisan Gosthi • FAS	-Fertilizers -Biozyme
9	**Other**	Mushroom	Un-employment	--	--	-Mushroom cultivation & marketing techniques	--	• Units Establishment • FAS	-
		Organic farming	--	--	--	Organic farming		• Units Establishment • FAS	--

(B) Farm Machinery

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials etc.
9	**Farm machineries**	Potato	Deterioration in soil properties & Pollution	Management of Potato plantation techniques (CRM)	--	--	--	• Survey • Kisan Gosthi • FAS	Seed
		Paddy		--	Direct Seeded of Rice	-Soil testing based fertilizer in paddy crop	--	• Survey • Kisan Gosthi • Field Day • FAS	Seed
		Wheat		--	Happy Seeder	Crop Residue Management	--	• Survey • Kisan Gosthi • FAS • Field Day	Seed

(C) Livestock

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	training for extension personnel	Extension activities	Supply of seeds, planting materials
10	**Disease Management**	Buffalo calves	-Retard growth -Anoestrous/ Repeat breeding/ long inter calving period	Growth Improvement in Buffalo-calves	----	--		• FAS • Animal Camp	Dewormor
11	**Production & Management**	-Cattle/ Buffalo -Pigs -Goat -Poultry	-Anoestrous/ Repeat breeding/ long inter calving period -Un-employment	Fertility Improvement in Murrah Buffalo	-Complete Mastitis kit -Feed Yeast culture with Metabolites on production parameter in HF Cross Cows -Napier grass	-Animal production & Management -Dairy farming -Pig farming -Goat farming -Poultry farming	Advanced nutritional & management practices in Livestock	• Kisan Gosthi • Ani. Camp • FAS • Milk Day • Vaccination	- Synchronization kit + Copper tablets -Mastitis kit - Yeast culture with Metabolites - Microbial (Bacillus) solution

(D) Other Enterprises (Home Science)

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				OFT	Title of FLD if any	Title of Training if any	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials etc.
13	**Women empowerment**	Women & Child HealthCare	-Poor health & nutritional status -Non availability of vegetable seeds -Lack of scientific knowledge for value addition of seasonal vegetables -Fatigue in performing household & field task	--	Nutritional security & sustainable Livelihood	-Promotion of Nutrition Gardens for family health & sustainable livelihood -Value Addition of fruits & vegetables -Storage loss minimization techniques -Women & Child care, personal health, hygiene & sanitation -Income generating activities for Empowerment of rural women	-Nutrition gardening	Awareness Important Days : -International Women Day -Mahila Kisan Diwas -Nutrition Week -Swacchta Abhiyan Popularization of various activities : Print media approach, message services & Social media	-Improved vegetables seeds, layout of Kitchen garden -Plants -Seed of Biofortified varieties of Wheat & Mustard

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	0	0	0	0	0	0	0	0	0	0
Seed / Plant production	0	0	0	0	0	0	0	0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	1	0	1	0	1	0	0	0	0	3
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Integrated Farming System	0	0	0	0	0	0	0	0	0	0
Mushroom cultivation	0	0	0	0	0	0	0	0	0	0
Drudgery reduction	0	0	0	0	0	0	0	0	0	0
Farm machineries	0	0	0	0	1	0	0	0	0	1
Value addition	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	1	0	0	0	0	1
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Resource conservation technology	0	0	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0	0	0
TOTAL	**1**	**0**	**1**	**0**	**3**	**0**	**0**	**0**	**0**	**5**

A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation	0	0	0	0	0	0	0	0	0	0
Seed / Plant production	0	0	0	0	0	0	0	0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Integrated Farming System	0	0	0	0	0	0	0	0	0	0
Mushroom cultivation	0	0	0	0	0	0	0	0	0	0
Drudgery reduction	0	0	0	0	0	0	0	0	0	0
Farm machineries	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Resource conservation technology	0	0	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	0	0	0	0	0	0	0	0
Nutrition Management	0	0	0	0	0	0	0	0
Disease of Management	1	0	0	0	0	0	0	1
Value Addition	0	0	0	0	0	0	0	0
Production and Management	1	0	0	0	0	0	0	1
Feed and Fodder	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0
TOTAL	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**2**

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	0	0	0	0	0	0	0	0
Nutrition Management	0	0	0	0	0	0	0	0
Disease of Management	0	0	0	0	0	0	0	0
Value Addition	0	0	0	0	0	0	0	0
Production and Management	0	0	0	0	0	0	0	0
Feed and Fodder	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

B. Details of On Farm Trial

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost (Rs.) of critical input	Area (ha) of OFT/number of animals (Cattle, buffalo, goat, sheep, poultry)	No.of repli-cations/ farmers	Performance Indicators (Technological, Economic & Farmer's perception)
I.Kharif Crops									
Integrated Pest Management of Fruit borer in Tomato	Untimely spray of Insecticides	Attack of Fruit Borer	T_1- Chlorpyriphos 20 EC @ 1 lit. in 250 lit water at the time of flower bloom (One spray) F.P. T_2- Flubendiamide 480 SC (Fame) 480 SL @ 30 ml in 1000 lit. of water at the stage of flower bloom (Four spray)- Rec.	PAU, Ludhiana	Fluben-diamide (Fame) 480 SC (200 ml/each)	2000.00	1.0	10	**I. Technological** 1.Infestation of Fruit borer (%) 2.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
II.Rabi Crops									
Nutrient Management in Potato	Low yield of Potato	Imbalanced use of Fertilizer	T_1- N:P:K (200: 225: & 75) (F.P.) T_2- Recommended 20 ton FYM (187.5 : 62.5 : 62.5) N:P:K + Spray of Biozyme liquid formulation at tuber initiation stage @ 500 ml/ha -Rec.	PAU, Ludhiana	-Fertilziers -Biozyme	5000.00	1.0	10	**I. Technological** 1.Tuber size (cm) 2. Tuber wight (gm) 3.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Management of Early blight in Potato	Use of un-recommended dose of Fungicide	Occurrence of Early blight disease	T_1- One spray of Mancozeb M-45 @ 500 gm/ha (F.P.) T_2- 4-5 spray of Mancozeb M-45 @ 1.5 kg/ha at 15 days of interval - Rec.	CCSHAU, Hisar	-Mancozeb M-45	8000.00	1.0	10	**I. Technological** 1. Incidence of Early blight 2. Tuber wight (gm) 3.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Management of Leaf curl in Chilli	Untimely spray of insecticide	Leaf curl disease	T_1- Chlorpyrifos 20 EC @ 1 liter in 250 liter of water at the time of transplanted seedling and initial stage of flowering (Two spray) at 10-20 days interval (F.P.) T_2- Apply Phorate @ 1.25 kg/ ha followed by Carbofuran @ 1.25 kg ha	PAU, Ludhiana	Phorate and Carbofuran	8000.00	1.0	10	**I. Technological** 1.Incidence of Leaf curl (%) 2.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception**

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost (Rs.) of critical input	Area (ha) of OFT/number of animals (Cattle, buffalo, goat, sheep, poultry)	No.of repli-cations/ farmers	Performance Indicators (Technological, Economic & Farmer's perception)
			in the nursery time Rec.						- Adoption (%)
Management of Potato plantation techniques (Crop Residue Management)	Deterioration in soil properties & Pollution	Burning of crop residues	T_1- Paddy harvesting through Combine, Burning of Paddy straw, field preparation and potato plantation (F.P.) T_2- Paddy harvesting through combine, Field preparation with Straw mulcher/Chopper and potato plantation - Rec.	PAU, Ludhiana	Potato seed & Machinery	10000.00	1.0	10	**I. Technological** 1.Testing of soil sample (Before & after) 2. Diameter (cm) 3.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
III. Livestock									
Fertility Improvement in Murrah Buffalo.	Repeat breeding	Multifactorial Infertility	T_1: Natural Insemination (F.P) T_2: Double Ovysynch protocol of Heat Synchronization (Rec.)	NDRI, Karnal	Synchronization Kit (Hormones, Vitamins & Minerals)	20000.00	10 Murrah Buffalo	5	I. Technological 1. Observation of Heat 2. Conception rate 3. Inter calving period (days) -Improve-ment in Fertility (%) II. Economics : -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR III. Farmer's perception - Adoption (%)
Growth improvement in Buffalo -calves	Retarded growth	Endo-parasitic gut infestation	T_1 : Improper management (FP) T_2 : Broad spectrum Dewormer (Rec.)	ICAR-IVARI, Izatnagar (Bareilly)	Broad spectrum Dewormer	10000.00	20 calves (Murrah breed)	10	I.Technological Growth Parameters i. Body weight (Kg.) ii. Body length (cm.) iii.Girth diameter (cm) II.Economics -Increase in yield (%) Cost (Rs./day) Net Returns (Rs.) III.Farmer's perception - Adoption (%)

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
I.	**Rabi**								
	Agronomy								
1	Wheat	DBW-90	Varietal Evaluation	Improved Wheat variety DBW-90	Seed	Rabi & 2022	4.0	10	-No.of tillers/m2 -Yield (q/ha) -BCR
3	Mustard	Pusa Tarak	Integrated Crop Management	Cluster Front Line demonstration on Mustard	Seed	Rabi & 2022	30.0	75	-No.of grain /Siliqua -Yield (q/ha) -BCR
4	Lentil	LL-931	Integrated Crop Management	Cluster Front Line demonstration on Lentil	Seed	Rabi & 2022	10.0	25	-No.of grain /Siliqua -Yield (q/ha) -BCR
5	Chickpea	GNG-2144	Integrated Crop Management	Cluster Front Line demonstration on Chickpea	Seed	Rabi & 2022	10.0	25	-No.of grain /Siliqua -Yield (q/ha) -BCR
	Horticulture								
6	Chilli	CH-27	Integrated Crop Management	Integrated Crop Management in Chilli	Planafix & Imidachloropid	Rabi & 2022	4.0	10	-Yield (q/ha) -No.of Fruits/plant -BCR
7	Potato	Kufri Pukhraj	Integrated Crop Management	Integrated Crop Management in Potato	Pendamethalin @ 5 lit./ha Diethane (M-45) @ 1.5 kg/ha	Rabi & 2022	4.0	10	-Yield (q/ha) -No.of weeds (m2) -Disease Infestation (%) -BCR
8	Onion	NHRDF-RED 3	Integrated Crop Management	Integrated Crop Management of Onion	Seed @ 10 kg/ha	Rabi & 2022	4.0	10	-Yield (q/ha) -Diameter of bulb (cm) -Weight of bulb (gm) -BCR

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
	Plant Protection								
9	Onion	NHRDF-Red	Integrated Disease Management	Integrated Management of Purple blotch in Onion	Mancozeb M-45 75% WP @ 1.5 kg./ha	Rabi & 2022	4.0	10	-Incidence of Purple blotch (%) -Yield (qtl/ha)
10	Potato	Kufri Pukhraj	Integrated Disease Management	Integrated Management of Late blight in Potato	Copper oxychloride 50% WP @ 1.5-2.0 kg/ha	Rabi & 2022	4.0	10	-Incidence of Late blight (%) -Yield (qtl/ha)
	Total						**76.0**	**185**	
II.	**Kharif**								
11	Tomato	Namdhari-524	Integrated Crop Management	Crop Management of Tomato	Pendimethalin @ 3.25 lit, Diethane (M-45) @ 1.5 kg/ha Cypermethrin @ 150 ml/ha)	Kharif & 2022	4.0	10	-No.of fruits/plant Fruit weight (gm) -Yield (q/ha) -BCR
12	Tomato	Namdhari- 2535	Integrated Disease Management	Integrated Management of Early blight in Tomato	Mancozeb M-45 75% WP @ 1.5 kg./ha	Kharif & 2022	4.0	10	-Incidence of Early blight (%) -Yield (qtl/ha)
	Vermi Compost (Rice)	Eisenia fetida	Nursery Management	Application of Vermi compost in Paddy Nursery	Vermi compost	Kharif & 2022	1000 m^2	10	-Yield (q/ha) -BCR
	Total						**8.0**	**30**	
III	**Zaid**								
13	Maize	HHM-1	Integrated Weed Management	Weed Management in Zaid Maize	Tembotrione (Laudis) herbicide	Zaid & 2022	4.0	10	-No. of Weeds m2 -Cob length (cm) -Yield (qtl./ha)
IV.	**Summer**								
14	Urd	Mash- 1137	Integrated Crop Management	Production technique in Summer Urd	Seed @	Summer & 2022	4.0	10	-No. of plants/m^2 -Grain/Tiller -Yield (q/ha) -BCR
	Total						**8.0**	**20**	
					Total		**92.0**	**235**	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Wheat (IIWBR)	4.0	10

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days			
2	Farmers Training	20	Jan-December, 2022	500
3	Media coverage	10	Jan-December, 2022	--
4	Training for extension functionaries	4	Jan-December, 2022	100

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Direct Seeded Rice	Paddy	Kharif & 2022	10	4.0	Seed	-Plant height (cm) -Yield (qtl/ha)
Happy Seeder	Wheat	Rabi & 2022	10	4.0	Seed	-No. of tillers -Yield (qtl/ha)

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Poultry	Chabron	30	300	Poultry birds	-Egg production (No.) -Weight (gm)
Napier Grass	Murrah Buffalo	20	10	Sapling/ Seed	-Milk Production (lit/day) -Economics
Complete Mastitis kit (CMT Kit plus Teat Dip Kit)	HF Cross		30	Mastitis kit	-Case/control observed (No.) -Milk production (lit/day)
Sex-Sorted Semen	HF Cross	10	10	Technologies	-Sex Ratio Economics
Feed Yeast culture with Metabolites on production parameter in HF Cross Cow	HF Cross Cow	10	10	Yeast culture with Metabolites	-Quantitative milk production -Qualitative (FAT & SNF)

3 (iii) Women Empowerment /Home Science

Enterprise	No. of farm women	Area (ha)	Critical inputs	Performance parameters /indicators
Kitchen gardening	30	--	Improved Lay-out Plan & Vegetables seeds	1. Adoption of technology (%) 2. Budget saving(Rs./year/unit). -Technical observation: Gain in knowledge(%) - Farmers reaction: 1.Skill Acquisition (Adoption%) 2.Family Health & Nutrition(Interview & Visual observation) 3.Economical Observation :Family income saving

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	0	15	0	0	0	15
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	1	15	0	15	0	0	0	15
Crop Diversification	1	15	0	15	0	0	0	15
Integrated Farming	0	0	0	0	0	0	0	0
Water management	1	15	0	15	0	0	0	15
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	3	39	0	39	6	0	6	45
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	1	15	0	15	0	0	0	15
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	15	0	15	0	0	0	15
Off-season vegetables	1	0	0	0	0	25	25	25
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	1	15	0	15	0	0	0	15
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	1	15	0	15	0	0	0	15
Production and use of organic inputs	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	1	20	0	20	0	0	0	20
IV Livestock Production and Management								
Dairy Management	1	30	10	40	10	0	10	50
Poultry Management	1	0	5	5	0	20	20	25
Piggery Management	1	20	0	20	10	0	10	30
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0
Feed management	1	20	10	30	10	0	10	40
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Nutritional security by kitchen gardening	1	0	0	0	0	25	25	25
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	1	0	0	0	0	25	25	25
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	1	15	0	15	0	0	0	15
Integrated Disease Management	2	30	0	30	0	0	0	30
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)								
TOTAL	**22**	**294**	**25**	**319**	**36**	**95**	**131**	**450**
(B) RURAL YOUTH								
Mushroom Production	2	20	0	20	15	25	40	60
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	1	20	0	20	5	0	5	25
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	1	15	0	15	0	0	0	15
Vermi-culture	1	15	0	15	5	0	5	20
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	15	0	15	0	0	0	15
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	1	0	0	0	0	30	30	30
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	1	60	0	60	10	0	10	70
Sheep and goat rearing	1	10	0	10	5	0	5	15
Quail farming	0	0	0	0	0	0	0	0
Piggery	1	40	0	40	10	0	10	50
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	1	10	0	10	20	20	40	50
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	1	0	5	5	0	25	25	30
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	**12**	**205**	**5**	**210**	**70**	**100**	**170**	**380**
(C) Extension Personnel								
Productivity enhancement in field crops	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	22	0	22	3	0	3	25

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	1	25	0	25	0	0	0	25
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	1	0	20	20	0	5	5	25
Women and Child care	1	0	25	25	0	5	5	30
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**4**	**47**	**45**	**92**	**3**	**5**	**8**	**100**
G. Total	**38**	**546**	**75**	**621**	**109**	**200**	**309**	**930**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	2	26	0	26	4	0	4	30
Integrated Farming	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	13	0	13	2	0	2	15
Off-season vegetables	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	1	13	0	13	2	0	2	15
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	1	13	0	13	2	0	2	15
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	2	50	0	50	0	0	0	50
Integrated Nutrient Management	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0
IV Livestock Production and Management								
Dairy Management	1	20	0	20	5	0	5	25
Poultry Management	1	0	5	5	0	20	20	25
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management /goat	0	0	0	0	0	0	0	0
Disease Management	1	20	0	20	5	0	5	25
Feed management	1	20	0	20	5	0	5	25
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Nutritional security by kitchen gardening	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	0	0	0	0	25	25	25
Value addition	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	1	0	5	5	0	25	25	30
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	1	0	0	0	0	25	25	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
VII Plant Protection								
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Disease Management	2	30	0	30	0	0	0	30
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production (Horti.)	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production (Horti.)	0	0	0	0	0	0	0	0
Organic manures production (A.S.)	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs(HS)	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths (Agro.)	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems (Agro)	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)								
TOTAL	**15**	**185**	**10**	**195**	**20**	**95**	**115**	**310**
(B) RURAL YOUTH								
Mushroom Production	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
(C) Extension Personnel								
Productivity enhancement in field crops	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
G. Total	**15**	**185**	**10**	**195**	**20**	**95**	**115**	**310**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	0	15	0	0	0	15
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	1	15	0	15	0	0	0	15
Crop Diversification	3	41	0	41	4	0	4	45
Integrated Farming	0	0	0	0	0	0	0	0
Water management	1	15	0	15	0	0	0	15
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	3	39	0	39	6	0	6	45
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	1	15	0	15	0	0	0	15
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	28	0	28	2	0	2	30
Off-season vegetables	1	0	0	0	0	25	25	25
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	2	28	0	28	2	0	2	30
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	1	13	0	13	2	0	2	15
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	2	50	0	50	0	0	0	50
Integrated Nutrient Management	1	15	0	15	0	0	0	15
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Soil and Water Testing	1	20	0	20	0	0	0	20
IV Livestock Production and Management								
Dairy Management	2	50	10	60	15	0	15	75
Poultry Management	2	0	10	10	0	40	40	50
Piggery Management	1	20	0	20	10	0	10	30
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	1	20	0	20	5	0	5	25
Feed management	1	20	10	30	10	0	10	40
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Nutritional security by kitchen gardening	1	0	0	0	0	25	25	25
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	0	0	0	0	25	25	25
Value addition	1	0	0	0	0	25	25	25
Income generation activities for empowerment of rural Women	1	0	5	5	0	25	25	30
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	1	0	5	5	0	25	25	30
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	1	15	0	15	0	0	0	15
Integrated Disease Management	4	60	0	60	0	0	0	60
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)								
TOTAL	**37**	**479**	**40**	**519**	**56**	**190**	**246**	**765**
(B) RURAL YOUTH								
Mushroom Production	2	20	0	20	15	25	40	60
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	1	20	0	20	5	0	5	25
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	1	15	0	15	0	0	0	15
Vermi-culture	1	15	0	15	5	0	5	20
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	15	0	15	0	0	0	15
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	1	0	0	0	0	30	30	30
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	1	60	0	60	10	0	10	70
Sheep and goat rearing	1	10	0	10	5	0	5	15
Quail farming	0	0	0	0	0	0	0	0
Piggery	1	40	0	40	10	0	10	50
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	1	10	0	10	20	20	40	50
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	1	0	5	5	0	25	25	30
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	**12**	**205**	**5**	**210**	**70**	**100**	**170**	**380**
(C) Extension Personnel								
Productivity enhancement in field crops	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	22	0	22	3	0	3	25
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	1	25	0	25	0	0	0	25
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	1	0	20	20	0	5	5	25
Women and Child care	1	0	25	25	0	5	5	30
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**4**	**47**	**45**	**92**	**3**	**5**	**8**	**100**
G. Total	**53**	**731**	**90**	**821**	**129**	**295**	**424**	**1245**

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	9	260	0	260	20	0	20	**36**	**9**	**345**
Kisan Mela	1	550	75	625	125	75	200	**20**	**5**	**850**
Kisan Ghosthi	10	200	20	220	50	25	75	**50**	**10**	**355**
Exhibition	5	550	75	625	125	75	200	**20**	**5**	**850**
Film Show	10	200	11	211	50	16	66	**12**	**1**	**290**
Farmers Seminar	0	0	0	0	0	0	0			**0**
Workshop	0	0	0	0	0	0	0	**0**	**0**	**0**
Group meetings	0	0	0	0	0	0	0	**0**	**0**	**0**
Lectures delivered as resource persons	58	580	0	580	174	0	174	**50**	**8**	**812**
Newspaper coverage	34	0	0	0	0	0	0	**0**	**0**	**0**
Radio talks	0	0	0	0	0	0	0	**0**	**0**	**0**
TV talks	0	0	0	0	0	0	0	**0**	**0**	**0**
Popular articles	5	0	0	0	0	0	0	**0**	**0**	**0**
Extension Literature	7	500	50	550	100	50	150	**0**	**0**	**650**
Advisory Services	0	0	0	0	0	0	0	**0**	**0**	**0**
Scientific visit to farmers field	500	815	85	900	0	0	0	**0**	**0**	**900**
Farmers visit to KVK	1000	700	50	750	250	50	300	**0**	**0**	**1050**
Diagnostic visits	200	200	0	200	5	1	6	**10**	**0**	**206**
Exposure visits	6	160	0	160	20	0	20	**6**	**0**	**186**
Ex-trainees Sammelan	4	10	10	20	80	20	100	**5**	**0**	**125**
Soil health Camp	1	50	0	50	50	0	50	**5**	**1**	**106**
Animal Health Camp	1	50	0	50	10	0	10	**3**	**0**	**63**
Agri mobile clinic	0	0	0	0	0	0	0	**0**	**0**	**0**
Soil test campaigns	1	40	0	40	3	0	3	**4**	**0**	**47**
Farm Science Club Conveners meet	0	0	0	0	0	0	0	**0**	**0**	**0**
Self Help Group Conveners meetings	0	0	0	0	0	0	0	**0**	**0**	**0**
Celebration of important days: • World Honey Bee Day • Nutrition Week • Mahila Kisan Diwas • World Soil Day • International Women Day • World Milk Day • ICAR Foundation Day	7	325	45	370	70	150	220	**15**	**5**	**610**
Krishi Mohotsva	0	0	0	0	0	0	0	**0**	**0**	**0**
Pre Kharif workshop	0	0	0	0	0	0	0	**0**	**0**	**0**
Pre Rabi workshop	0	0	0	0	0	0	0	**0**	**0**	**0**
PPVFRA workshop	0	0	0	0	0	0	0	**0**	**0**	**0**
Method Demo.	5	50	0	50	5	0	5	**5**	**1**	**61**
Swachh Bharat Mission	2	200	150	350	50	150	200	**12**	**6**	**568**
Total	**166**	**5440**	**571**	**6011**	**1187**	**612**	**1799**	**253**	**51**	**8074**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	PB-1121,PB-1718, PB- 1692, PR-126	30
	Wheat	HD-3086(F), DBW -187	150
	Sugarcane	Co-238, Co- 5011, Co-15023, Co- 15027	1500
OILSEEDS	Mustard	IARI variety	--
PULSES	Lentil	LL-931	5
VEGETABLES	--	--	--

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Langra,Desheri, Ramkela, Amarpali, Malika	500
	Lemon	Baramasi, Kagzi Kalan	500
SPICES	--	--	--
VEGETABLES	--	--	--
FOREST SPECIES	Poplar	G-48	2000
ORNAMENTAL CROPS	--	--	--
Others (Mushroom)	Mushroom	Button Mushroom	50 kg.

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermi Compost	--	--	5000

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	--	--	--	--
Goat	Buck	Barbari	10	--
Sheep	--	--	--	--
Poultry	Chicks	Chabron	1000	--
Pig farming	Piglets/ Adult	Large White York Shire	100	--
FISHERIES	--	--	--	--

Others :

CROP MESEUM

Crop	Variety
Wheat	HD-3086, DBW-187, DBW-222, DBW- 303, H.D. 1270
Paddy	PR-126, PB-1121,PB-1718, CSR-30 , PR -129, PB- 1692
Lentil	HM-1, LL-931
Sugarcane	Co-0238, Co-5011, Co-15023, 15027
Chickpea	Gram-2149, GNG-2171,CSJ-512
Vegetables	Onion,Potato
Fruit Plants	Guava & Lemon

NUTRITION GARDEN (1000 m^2)

Vegetables	Variety
Seasonal vegetables	Recommended by CCSHAU & PAU

3.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : 1998

Number of copies to be published : 500

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	5
2	Technical reports	10
3	News letters	10
4	Training manual all discipline	4
5	Popular article	5
6	Extension literature	2
	Total	**36**

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	Video	Crop Residue Management	1
2	Video	Cluster Front Line Demonstrations on Oilseed & Pulses	2
3	Video	Livestock & ARYA (Piggery, Poultry, Mushroom, Nursery, Vemi Compost	6

3.7. Success stories/Case studies identified for development as a case. - 5

a. Brief introduction
b. Interventions
c. Output
d. Outcomes
e. Impact
    i) Social economic
    ii) Bio-Physical
f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for

Practicing Farmers

a) PRA technique
b) Bench mark survey
c) Group discussions with Mukhia/Sarpanch and Farm families
d) Formation of SHG's/Kisan Clubs

Rural Youth

To generate self employment through small enterprises & various skill based training programmes Identified through:

a) Ex-trainees Sammelan/Ex-Trainees Meet/Feedback/Survey
b) Discussions with line departments & progressive farmers & farm women

In-service personnel

a) Discussions with different line department during SAC meetings: Need for in-service training is identified, planned and organized.

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA
ii) Problem identified from Matrix
iii) Field level observations
iv) Farmer group discussions
v) Others if any

For FLD:

i) New variety/technology
ii) Poor yield at farmers level
iii) Existing cropping system
iv) Others if any

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) - 2020

Adopted Villages – Three Panchayat Villages on which KVK established

i.e. Akbarpur, Tepla & Phulel Majra alongwith one other (Sapeda Village).

ii. No. of farm families selected per village : 50

iii. No. of survey/PRA conducted : 2

iv. No. of technologies taken to the adopted villages

v. Name of the technologies found suitable by the farmers of the adopted villages:

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2009-10 (March, 2010)

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectro Photmeter	1	88697-00
2	Flame Photometer	1	44300-00
3	PH Meter	1	6940-00
4	Conductivity meter	1	15957-00
5	Physical Balance	1	10406-00
6	Chemical Balance	1	78750-00
7	Water still	1	69620-00
8	Kjeldahl unit	1	43132-00
9	Shaker	1	26438-00
10	Refrigerator	1	21200-00
11	Oven	1	34875-00
12	Hot Plate	1	2250-00
13	Grinder	1	18562-00
14	Chemicals & Glass ware	1	66980-00
15	Mridaparishak (2)	1 1	81000-00 90300-00

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Microscope	1	198191-00
2	Hot Air Oven, incubator and autoclave	1	156203-00
3	Kent RO with accessory	1	23400-00
4	Oven	1	7190-00
5	Refrigerator & Camera	1	53200-00
6	Laminar air flow and table desk	1	122496-00
7	Thermo hygrometer and heating mantle	1	2374-00
8	Inverter	1	23600-00
9	Balance	1	53550-00
10	Magnetic stirrer	1	3793-00
11	Equipments	1	48625-00
12	Almirrah	1	17700-00
13	Furniture	1	12375-00
14	Glass & Plastic ware/Chemicals	1	73515-00
15	Light Trap	1	5400-00

(Compiled from APR)

3.12 Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	500	5	--
Water	--	--	--	--
Plant	150	150	150	--
Total	**650**	**650**	**155**	

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	**ICAR-ATARI**	
	- ICAR- ATARI, Zone-II, Jodhpur - ICAR- ATARI, Zone-I, Ludhiana	- Grant-in Aids, Lab, Cluster FLD (Oilseeds & Pulses), ARYA, Crop Residue Management, ASCI, SCSP, PKVY etc.
2.	**State Agricultural Universities**	
	- CCS HAU,Hisar - Punjab Agricultural University, Ludhiana - Dr.YPSUHF, Solan, Nauni - Lala Lajpat University of Veterinary & Animal Sciences, Hisar	- Seeds for multiplication and demonstrations, planting materials and technical know-how, Breed, Mineral Mixtures for demonstrations, Projects, Exposure visits OFT etc.
3.	**Institutes**	
	- NDRI, IIWBR, NBAGR - IARI, Karnal & New Delhi	- Exposure visits, Training & Projects, Demonstration & Improved Seed, IARI Post office Linkages model
	- NHRDF, Salary, Karnal	- Onion seed , Kisan Mela
	- CSSRI, Karnal - Sugarcane Research Institute, Karnal	- Soil Sample Analysis & Guidance and Seed materials
	- CPRI, Modipuram, Meerut & Shimla	- Potato Seed and Exposure Visit
	- DMR, Solan	- Expsoure visit & Mushroom spawn
	- HAIC Agro, R&D Centre, Murthal	- Mushroom Spawn & Trainings
	- Horticulture Training Institute, Uchani	- Exposure visit of farmers
	- HSDC, Umri, Kurukshetra	- Seeds for multiplication and demonstrations
	- Haryana Veterinary Training Institute, Uchani	- Vaccine, ARYA
	-National Seed Corporation, Chandigarh & Umri	-Pulses Seed
	- Central Poultry Dev. Organization, Northern Region, Chandigarh	- Sponsored Skill Base Trainings, Improved Poultry Birds, Exposure visit & guidance & Stalls during exhibition & Melas
	- Regional Research Station,Kaul (CCSHAU)	- Seeds for multiplication and demonstrations
	- ASCI - MIDH - NHM	- Skill Development Training Programmes (Quality Seed Grower & Gardner)
	- Metrology Department, Chandigarh & Delhi	- DAMU Project & Weather data
	- RRECL, Jaipur	- Training
4.	**Line Departments**	
	- Agriculture & Farmers Welfare - Horticulture - Animal Husbandry - Fishery - Forestry Department - KVK (CCSHAU), Ambala City - ICDS (CDPO), Ambala - Disease Investigation Lab (LUVAS) - KVIC - District Industries Center - Nehru Yuva Kendra - ASCO (IWMP), Naraingarh	- SAC Member, Exhibition & District Melas, Supporting for promotion of technologies among farmers, Knowledge update about schemes & subsidies to farmers through guest lecture during training programmes , diagnostic services, Skill based training programmes, SHG skill base trainings, Conducting trials & demonstrations
	Shivalik Development Agency, Ambala	KVK approach road (1km.)
5.	**College & Schools**	
	- Govt. Polytechnic, Ambala City - Rajiv Gandhi Govt. College, Saha - MMU, Mulana	- Sponsored skill base training programme for rural youth: Tailoring & Stitching & Welding, Awareness Camp. & Campaigns and participation in KVK Melas, SAC

Sl.No.	Name of organization	Nature of Linkage
	- Govt. Schools	Meetings
6.	**Other Organizations**	
	IFFCO, Ambala	Nano Project, SAC Meeting, Awareness programmes
	Sugarcane Mill, Shahabad Markanda	Purchase and sale of Seed of Sugarcane
	NITCON,Chandigarh ,Kalka Kala Niketan, Pedilite Company etc.	Women Empowerment Programmes, Farmers Fair etc.
	MSME,Chandigarh	Farmer Fair on Pradhan Mantri Fasal Beema Yojna
	National Fertilizer Limited	Lecture in Training Programmes & Demonstrations
	NIFTEM, Sonipat	VAP programmes
	DD Kisan	**TV talk, Chopal Charcha**
7.	**Bankers**	
	-NABARD ,Lead Bank -Cooperative,ICICI - Financial Literacy, Saha,- PACS	Formation of Kisan Clubs, Update information about new schemes for rural area, SAC Member and Maintenance of Kisan Clubs, PMFBY
8.	**Private Companies**	Stall in Farmers Fair/Kisan Mela , Seeds, Tractors etc.
9.	-Reliance General Insurance, Chandigarh ,BI General Insurance - ICICI Lombard Insurance	Pradhan mantri Fasal Beem Yojna & Training
10	- Gram Panchyats	- Extension activities and active participation in SAC
11	-Farmers clubs & SHGs	Skill & knowledge upgration programmes
12	-Custom Hiring Centre, Sapeda	Kisan Mela, CRM Project
13	FPO	Shahzadpur & Ambala-I

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district **No**

S. No.	Programme	Nature of linkage
1		

4.3 Give details of programmes under National Horticultural Mission : No

S. No.	Programme	Nature of linkage
1		

4.4 Nature of linkage with National Fisheries Development Board :

S. No.	Programme	Nature of linkage
1	**Kisan Mela**	Stall by Fishery Department Ambala

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	**Rural Youth Training Programmes**	**21 days /training**

6.0 Convergence with departments : Good Convergence with Line Departments

7.0 Feedback of the farmers about the technologies demonstrated and assessed : Reported in APR's & Zonal Workshops of KVKs

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :

SAC Proceedings send & reported in Zonal Annual Workshops of KVK's

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
15-18 July,22	PF	Rice-wheat Cropping system	4	15	0	15	0	0	0	15
15-18 July,22	PF	Crop Diversification through Oilseed & pulse crop in Kharif season	4	15	0	15	0	0	0	15
6-9 March,22	PF	Weed Management in Sugarcane	4	15	0	15	0	0	0	15
15-18 Oct. 22	PF	Integrated Crop Management in Wheat	4	13	0	13	2	0	2	15
1-4 May, 22	PF	Integrated Crop Management in Paddy	4	13	0	13	2	0	2	15
12-25 Feb. 22	PF	Integrated Crop Management in Sugarcane	4	13	0	13	2	0	2	15
1-4 Sep. 22	PF	Water Use Efficiency and appropriate Crops	4	15	0	15	0	0	0	15
4-7 June, 22	PF	Vermi Compost	4	15	0	15	0	0	0	15
		Total (8)		**114**	**0**	**114**	**6**	**0**	**6**	**120**
Horticulture										
1-4 Oct.22	PF	Integrated Crop Management in Tomato	4	15	0	15	0	0	0	15
5-8 Sep.22	PF	Importance of Kitchen garden for family health and sustainable livelihood		0	0	0	0	25	25	25
15-18 Oct. 22	PF	Integrated Crop Management in Potato	4	15	0	15	0	0	0	15
		Total (3)		**30**	**0**	**30**	**0**	**25**	**25**	**55**
Livestock prod.										
1-4 June, 22	PF	Animal Production & Management	4	30	10	40	10	0	10	50
15-18 Nov.22	PF	Animal Production & Management	4	20	0	20	10	0	10	30
27-30 Oct.22	PF	Poultry production & Management	4	0	5	5	0	20	20	25
10-13 Feb. 22		Importance of Napier grass for Livestock Dairy milch animals	4	20	10	30	10	0	0	40
		Total (4)		**70**	**25**	**95**	**30**	**20**	**40**	**145**
Agril. Engg.										
23-26 July,22	PF	Soil testing based fertilizer application in Paddy crop	4	15	0	15	0	0	0	15
		Total (1)		**15**	**0**	**15**	**0**	**0**	**0**	**15**
Home Sc.										
1-4 April, 22	PF	Promotion of Nutrition Gardens for family health & sustainable livelihood	4	0	0	0	0	25	0	25
14-17 October,22	PF	Value Addition of fruits & vegetables	4	0	0	0	0	25	0	25
		Total (2)		**0**	**0**	**0**	**0**	**50**	**0**	**50**
Plant protection										
12-15 Nov., 22	PF	Integrated Pest Management in Tomato	4	15	0	15	0	0	0	15
16-19 Nov., 22	PF	Integrated Disease Management in Tomato	4	15	0	15	0	0	0	15
15-18 January, 22	PF	Integrated Disease Management in Sugarcane	4	15	0	15	0	0	0	15
		Total (3)		**45**	**0**	**45**	**0**	**0**	**0**	**45**
Fisheries										
	PF	--	0	0	0	0	0	0	0	0
		Total (0)		**0**	**0**	**0**	**0**	**0**	**0**	**0**
Soil Health										
18-21 May,22	PF	Method of taking Soil sample & importance of its analysis	4	20	0	20	0	0	0	20
		Total (1)		**20**	**0**	**20**	**0**	**0**	**0**	**20**
		Grand Total (15)		**294**	**25**	**319**	**36**	**95**	**71**	**450**

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
1-4 Oct. 22	PF	Integrated Crop Management in Oilseed crops	4	13	00	13	02	00	02	**15**
10-13 Oct. 22	PF	Integrated Crop Management in Pulses	4	13	00	13	02	00	02	**15**
		Total (2)		**26**	**00**	**26**	**04**	**00**	**04**	**30**
Horticulture										
15-19 Jan.22	PF	Integrated Crop Management in Onion	4	13	00	13	02	00	02	**15**
25-30 Oct. 22	PF	Integrated Crop Management in Potato	4	13	00	13	02	00	02	**15**
23-26 March, 22	PF	Integrated Crop Management in Chilli	4	13	00	13	02	00	02	**15**
		Total (3)		**39**	**00**	**39**	**06**	**00**	**06**	**45**
Live Stock Production.										
1-4 June, 22	PF	Animal Production & Management	4	20	00	20	05	00	05	**25**
15-18 Nov.22	PF	Animal Production & Management	4	20	00	20	05	00	05	**25**
27-30 Oct.22	PF	Poultry production & Management	4	0	05	5	00	20	20	**25**
		Total (3)		**40**	**05**	**45**	**10**	**20**	**30**	**75**
Agril. Engg.										
21-24 Oct. 22	PF	Crop Residue Management	4	25	0	25	00	00	00	**25**
5-9 Oct. 22	PF	Crop Residue Management	4	25	0	25	00	00	00	**25**
		Total (2)		**50**	**0**	**50**	**00**	**00**	**00**	**50**
Home Sc.										
5-8 March, 22	PF	Income generating activities for Empowerment of rural women	4	0	05	05	00	25	25	**30**
20-23 April,22	PF	Storage loss minimization techniques	4	0	00	0	00	25	25	**25**
15-18 May,22	PF	Women & Child care, personal health, hygiene & sanitation	4	0	00	0	00	25	25	**25**
		Total (3)		**0**	**05**	**05**	**00**	**75**	**75**	**80**
Plant Protection										
27-30 Nov., 22	PF	Integrated Disease Management in Onion	4	15	00	15	00	00	00	**15**
10-13 Dec., 22	PF	Integrated Disease Management in Potato	4	15	00	15	00	00	00	**15**
		Total (2)		**30**	**0**	**30**	**00**	**00**	**00**	**30**
Fisheries										
--	PF	--	0	00	00	00	00	00	00	**00**
		Total (0)		**00**	**00**	**00**	**00**	**00**	**00**	**00**
Soil health										
--	PF	--	0	0	00	00	00	00	00	**00**
		Total (0)		**0**	**00**	**00**	**00**	**00**	**00**	**00**
		Grand Total (15 No.)		**185**	**10**	**195**	**20**	**95**	**115**	**310**
		Grand Total (On & Off campus) 37		479	35	514	56	190	186	760

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
--	Organic farming	Organic farming	March, 22	21	20	00	20	05	00	05	25
--	Vermi Compost	Vermi Compost	Februar y, 22	21	15	00	15	05	00	05	20
Mushroom	Mushroom Production	Mushroom cultivation & marketing Techniques	August, 22 Sep.22	11	20	00	20	15	25	40	60
Nursery	Planting material production	Management of Fruit Plants	Sep. 2022	21	15	00	15	00	00	00	15
Nursery	Planting material production	Nursery Management	March, 2022	21	15	00	15	00	00	00	15
Dairy	Dairying	Commercial Dairy farming	April 22	21	60	00	60	10	00	10	70
Piggery	Piggery	Commercial Pig Farming	Dec.22	21	40	00	40	10	00	10	50
Poultry	Poultry	Poultry farming& Management	March,2 2	11	10	00	10	20	20	40	50
Goatry	Goatry	Commercial Goat Farming	May,22	21	10	0	10	5	0	5	15
Women Empower-ment	Value addition	Value addition (Fruits & Vegetables)	July,22	21	00	00	00	00	30	30	30
Women Empowerm ent	Stitching & Embroidery	Stitching & Embroidery	Oct.22	21	00	05	05	00	25	25	30
		Total (12 No.)			**205**	**5**	**210**	**70**	**100**	**170**	**380**

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
July, 22	EF	Integrated Nutrient Management	1	22	0	22	03	00	03	25
Sep.22	EF	Household food security	1	00	20	20	00	05	05	25
Sep.22	EF	Advanced nutritional & management practices in livestock	1	25	00	25	00	00	00	25
March,.22	EF	Nutrition gardening	1	00	25	25	00	00	00	25
		Total (4 No.)		**47**	**45**	**92**	**03**	**05**	**08**	**100**

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

I. NARI

Activity	Description	Participants
OFT	Bio-fortified variety of Wheat crop (HPBW-01) PAU	10
FLD	Nutritional Garden	50
	Bio-fortified varieties of Wheat (DBW-303) & (DBW -187) IIWBR	20
	Bio-fortified varieties of Mustard (PM-30) IARI	10
	Lentil variety (Pusa Ageti Massor)	10
	Onion (NHRDF- Red 3) NHRDF, Nasik	25
	Mushroom	15
Trainings	Income generating activities for empowerment of rural Women	25
	Drudgery reducing technologies	25
	Nutrition security by kitchen gardening	25
	Value addition	30
	Mushroom production	25
	Poultry farming	25
Extension Activities	International Women Day & Mahila Kisan Diwas	100
	Nutrition Month	200
	Health Camp	75
	Method Demo. (Nutri Thali & Value Addition of Fruits & vegetables	50
	World Food day, Kisan Mela, Exhibition, Exposure visits	270

II. Doubling Farmer's Income

Component of DFI	Crop/ Enterprises	OFT	FLD	Training
Supplementary agri-enterprises	-Dairy farming	1	10	1
	-Poultry Farming	--	20	1
	-Vermi Composting	--	10	1
	-Mushroom production	--	10	1
	-Kitchen Gardening	--	10	1
Reduction in cost of cultivation	- Crop Residue Management	0	20	2
	- Integrated Crop Management	0	100	5
	- Crop Diversification	2	40	4

III. SCSP Scheme

Activity	Crop/ Enterprises	Area (ha)	Demo.(No.)
FLD	Improved variety of Onion (NHRDF-Red-4)	5.0	15
	Wheat crop (DBW-333)	5.0	10
	Mustard Variety : PM-30	5.0	20
	Enhancing farmers income through fruits plants	--	30
	Mushroom cultivation	30 Units	30
	Vermi Compost	20 Units	20
	Improved variety of Poultry (Chabron)	50 Units	50
	Large White Yorkshire breed of Pigs	20 Units	20
	Total	**15.0**	**195**
Trainings	Mushroom cultivation	1 No.	30
	Dairy farming	1 No.	30
	Vermi Compost	1 No.	50
	Poultry Farming	1 No.	20
	Pig Farming	1 No.	10
	Enhancing farmers income through fruits plants	1 No.	25
	Integrated Crop Management in Onion	1 No.	165
Seed, Planting Material & Livestock	Mustard, Wheat & Onion	--	6 qtl.
	Planting material produced for farmers	--	250 No.
	Livestock strains and fingerlings produced for farmers	Poultry Birds : 200 & Piglets : 20 No	
Soil & Water samples	Soil and water sample tested for farmers	--	50