KRISHI VIGYAN KENDRA
AMBALA

ACTION PLAN -2021

SOCIETY FOR CREATION OF HEAVEN ON EARTH

Krishi Vigyan Kendra,Village Tepla,
Post Saha,District Ambala (Hry.)
Ph.No.0171-2822522

INDEX

DETAILS OF ACTION PLAN OF KVKs DURING 2021

(1st January 2021 to 31st December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
KRISHI VIGYAN KENDRA Village Tepla, Post Saha, District Ambala-133 104 (Haryana)	0171-2822522	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) : 507676 (New website)

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. Upasana Singh	0171-2822522	8295406560	upasanasinghrathee@gmail.com

1.4. Year of sanction: 1995

1.5. Staff Position (as on 1 January, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale + GP (Rs.)	Present basic +GP (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/	Mobile No.	Email id	Please attach recent photo
1	Senior Scientist & Head	Dr. (Mrs.) Upasana Singh	Senior Scientist & Head	Home Science	Rs.37400-67000 G.P.10000	63610	04.08.08	Permanent	Gen.	8295406560	upasanasinghrathee@gmail.com	
2	Subject Matter Specialist	Sh. Ramesh Kumar	SMS(Agricultural Extension) *	Agricultural Extension	Rs.15600-39100 G.P.6600	32370	14.08.08	Permanent	Gen.	9017975976	rameshjhorar@rediffmail. com	
3	Subject Matter Specialist	Er. Guru Prem	SMS (Soil & Water Management)	Soil & Water Mgt.	Rs.15600-39100 G.P.6600	31420	28.11.09	Permanent	Gen.	9416355892	gpgrover79@gmail.com	
4	Subject Matter Specialist	Sh.Vikram Dhirendra Singh	SMS (Plant Protection)	Plant Protection	Rs.15600-39100 G.P.6600	27110	12.06.14	Permanent	Gen.	8950235630	vdskvkambala@gmail.com	
5	Subject Matter Specialist	Dr.Amit Kumar	SMS (Horticulture)	Horticulture	Rs.15600-39100 G.P.6600	26280	12.08.15	Permanent	Gen.	9991567854	amitbaliyan2009@gmail. com	
6	Subject Matter Specialist	Sh.Rajendra Kumar Singh	SMS (Agronomy)	Agronomy	Rs.15600-39100 G.P.5400	22280	11.9.18	Permanent	Gen.	8948490351	rajanmpsingh@gmail.com	
7	Subject Matter Specialist	Dr.Naveen Saini	SMS (Animal Science)	Animal Science	Rs.15600-39100 G.P.5400	21630	26.9.18	Permanent	Gen.	8387051484	naveensaini709@gmail.com	
8	Farm Manager	Sh. Abhay Kumar	Farm Manager	Agriculture	Rs.9300-34800 G.P.4600	30280	08.12.97	Permanent	Gen.	9416113081	abhay9416113081@gmail. com	
9	Computer Programmer	Mrs. Meera Sharma	Computer Programmer	Computer	Rs.9300-34800 G.P.4600	21130	01.04.08	Permanent	Gen.	9467677662	meerasharma1968@gmail. com	
10	Programme Assistant	Vacant	Programme Assistant		Rs.9300-34800 G.P.4200	--	--	--	--	--	--	--
	* Sh.Ramesh Kumar, SMS (Agril.Extn.) is on Study Leave w.e.f. 25.7.2019											

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale + GP (Rs.)	Present basic +GP (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/	Mobile No.	Email id	Please attach recent photo
11	Assistant	Sh. Yogesh Kumar	Assistant	Accounts	Rs.9300-34800 G.P.4600	13500	16.12.20	Permanent	Gen.	7837724186	yogeshsandhu22@gmail.com	
12	Steno-grapher	Sh. Charanjeet Singh	Steno	--	Rs.5200-20200 G.P.2800	13410	16.02.12	Permanent	Gen.	8684070786	jeetsamra2@gmail.com	
13	Driver	Sh. Shyam Lal	Driver-cum-Mechanic	Jeep	Rs.5200-20200 G.P.2400	11530	16.02.12	Permanent	SC	9466331139	--	
14	Driver	Sh. Baldev Singh	Driver-cum-Mechanic	Tractor	Rs.5200-20200 G.P.2400	12990	01.04.08	Permanent	Gen.	9468339196	--	
15	Supporting staff	Sh. Raman Kumar	Supporting Staff	--	Rs.4440-7440 G.P. 2000	12140	27.05.96	Permanent	Gen.	9416847720	--	
16	Supporting staff	Sh. Karamjit Singh	Supporting Staff	--	Rs.4440-7440 G.P. 2000	11570	12.08.02	Permanent	SC	8901188631	--	
1.5	**DAMU Project**											
	Subject Matter Specialist	Sh. Amit Kumar	SMS (Meteorology)	Agro-meteorology	Rs.15600-39100 GP-5400	21000	13.11.20	Contractual	SC	9996254676	amitsingh6994@gmail.com	
	Agromet Observer	Miss Vishu	Agromet Observer	Agromet Observer	Rs.5200-20200 GP-2000	7200	11.11.20	Contractual	SC	7056033522	Vishubrar666@gmail.com	
1.5	**ARYA Project**											
	SRF	Sh.Dhirendra Singh	SRF (Arya Project)	Plant Protection	Rs.31400/- (Consolidated)	35000 Fixed	1.1.2021	Contractual	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
7.	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	17.83 8.37	--	--	--
2.	**Farmers Hostel**	ICAR		311.13		--	--	--
3.	**Staff Quarters (6)**	--	--	--	--	--	--	--
4.	**Demonstration Units (2)**			539.26	10.05	--	--	--
	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	--			
9	**Fencing**	ICAR	1997-98	254.40	2.38	--	--	--
10	**Rain Water harvesting system**	--	--	--	--	--	--	--
	Threshing floor	--	--	--	--	--	--	--
	Farm godown	ICAR	1997-98	300 sq.m	3.0	--	--	--
	Other							
	IFS	ICAR	2010	1 ha	0.64	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	March,2017 August,2019 (CRM)	5,98,292.00 6,45,000.00	1095 hrs 701 hrs	Good Good
Jeep	March,2017	6,71,361.00	72470 km	Good
Motor cycles(2)	2009-10 2009-10	Both Motor cycles were provided by Society for Extension work	62669 km. 18006 km. (New meter)	Very Poor

C) Equipment's& 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 2019-20	112000 140000	Good Good
Sub-soiler	2015-16	7800	Very Poor
Seed Treatment Drum	2012-13	4679	Good
Laser Land Leveler alongwith Disc Harrow	2011-12	398900	Very Poor
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
Generator Set	2009-10	75000	V.Poor
Happy Seeder -2	2018-19	331520	Good
Chopper/Shredder/Mulcher -4	2018-19 2019-20	370000 270000	Good Good
Zero Till Drill -4	2018-19	227360	Good
Reversible M B Plough-3	2018-19 2019-20	195000 300000	Good
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			

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
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 Laptop	2019-20	38000	Good
HP Printer	2018-19	12500	Good
HP Printer	2019-20	18200	Good
HP Desktop with LED	2018-19	21000	Good
Hard disk (1 TB)	2018-19	3800	Good
Hard disk (1TB)	2019-20	4360	Good
AC (3)	2019-20	102000	Good
Blower (9)	2019-20	9000	Good
Stablizer (2)	2019-20	10620	Good
Speaker (2)	2019-20	11446	Good
B. Lab Equipment			
Mridaparishak (1)	2016-17	90300	Good
Mridaparishak (1)	2015-16	81000	Satisfied
Spectro Photmeter	2009-10	886970	Poor
Flame Photometer	2009-10	44300	Poor
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	Poor
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
C.Basic Plant Health Diagnostic Facility /Lab			
Microscope	2009-10	198191	Satisfied
Hot Air Oven	2009-10	156203	Poor
Incubator and autoclave			

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Kent RO with accessory	2009-10	23400	Satisfied
Oven	2009-10	7190	Satisfied
Refrigerator	2009-10	53200	Satisfied
Camera			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
Equipments	2009-10	48625	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	Very poor

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

Sl.No.	Date
1. Scientific Advisory Committee	**25.9.2020**

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, Back-yard 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
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.

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		

S. No	Soil type	Characteristics	Area in ha
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 % Block 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 % Block Shahzadpur (~17200 ha)

2.4. Area, Production and Productivity of major crops cultivated in the district (2019)

S. No	Crop	Area (ha)	Production (qtl.)	Productivity (qtl./ha)
I	**Agronomy Crops**			
1	Rice	85,000	27,70,0000	32.58
2	Wheat	88,000	41,80,0000	47.50
3	Sugarcane	11,500	83,00,0000	721.73
4	Maize	100	5,000	54.54
5	Rabi Oilseed	3,100	60,000	20.57
6	Rabi Pulses	1,000	10,000	10.0
7	Kharif Pulses	1,000	10,000	10.0
8	Kharif Oilseeds	100	1,000	10.0
9	Sunflower	2,800	57,000	20.35
	Total	1,92,600	1,43,000	
II	**Horticulture crops**			
I	Fruits			
1	Mango	940.8	131200	139.45
2	Guava	368	84160	228.69
3	Citrus	10	3000	300.0
4	Aonla	3	1670	556.66
5	Chiku (Sapota)	84.8	19930	235.02
6	Peach	10.2	90	8.22
7	Pear	21.8	1920	88.07
8	Plum	4.8	380	79.16
9	Strawberry	0.8	180	225.0
	Total	1,444	2,42,530	
III	**Vegetable crops (March-December,2020)**			
1	Potato	3610	726580	201.2687
2	Onion	96	553620	5766.875
3	Tomato Open Protected cultivation	 96 1	 258420 1740	 131.8469 1740.0
4	Radish	1944	491560	252.8601
5	Carrot	1614	361200	223.7918
6	Cabbage	115	8540	74.26087
7	Cauliflower	2712	412660	152.1608
8	Green Chillies	16	25780	161.125
9	Capsicum Capsicum (Protected cultivation)	658 4	179680 6260	273.0699 1565.0
10	Bhindi	782	92400	118.1586

S. No	Crop	Area (ha)	Production (qtl.)	Productivity (qtl./ha)
11	Brinjal	240	31140	129.75
12	Peas	836	56500	67.58373
13	Leafy vegetables	3744	448580	119.813
14	Cucurbits			
	i) Bottle gourd	614	135700	221.0098
	ii) Ridge gourd /Sponge Gourd	244	53440	219.0164
	iii) Cucumber	14	5260	375.7143
	iv) Cucumber (Protected cultivation)	24	22960	956.6666
	v) Pumpkin	74	18340	247.8378
	vi) Bitergurd	166	27000	162.6506
15	Others	2550	364100	142.7843
	Total	20254	4281460	211.3884

(Source: Agriculture Department, Ambala & Horticulture Department, Ambala)

2.5. Weather data (2020)

Month	Rainfall (mm)	Temperature 0C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January, 2020	01.9	17.0	07.0	92.5	76.5
February, 2020	00.0	22.3	09.4	87.0	56.7
March, 2020	02.6	26.2	13.6	81	55.1
April, 2020	01.6	33.3	18.6	61.1	37.5
May, 2020	1.9	37.1	22.3	55.3	36.4
June, 2020	3.9	36.9	25.0	75.7	53.4
July, 2020	9.4	34.6	25.0	85.4	69
August, 2020	10.7	33.9	25.3	88.6	76.5
September, 2020	0.3	35.2	24.6	83.1	63.6
October, 2020	00.0	33.7	17.6	74.9	40.7
November, 2020	00.4	26.0	11.1	80	55.8
December, 2020	15.3	20.43	7.27	--	--
Total	**48.0**				

Source : IMD,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	--
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
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

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Barara	Saha	Akbarpur,Allahpur, Bihta, Chudiala, Dinarpur,Dhurala, Dubli, Ghasitpur,Gokalgarh, Gola, Goli,Haldari,Harda, Hardi, Hamidpur, Jawahargarh Kalpi,Keshopur,Kesri, Khera, Landha,Langer-chhani, Malikpur, Mehmoodpur,Mithapur Mehtabgarh,Naraingarh, Nagla Jattan, Nahoni, Paplotha,Pasiala, Phulelmajra,Pilkhani, Sabga, Saha,Sambhalkha, Samlehri, Tamnauli, Tepla, Tobba	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery Potato, Onion & other Vegetable and Fruit crops Livestock Women Empowerment	Low Yield : -Low yielding old varieties -Low productivity due to Rice-wheat cropping system Sodicity hazards in soil - Traditional sowing & field preparation techniques Low yield in Horti. crops due to: -Old varieties -Poor net return due to sole crops -Poor crop management techniques & unjudicious use of inputs -Low milk yield -An-oestrus, Repeat Breeding -Low egg production of desi birds -High mortality -Mineral deficiency in goats	-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 -Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout -Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					-Unhygienic condition, poor health & nutritional status	Promotion of secondary agriculture i.e. Poultry,Mushroom cultivation -Promotion of nutrition gardens for family health & sustainable livelihood -Women empowerment through knowledge and skill upgradation
2	Barara	Barara	Adhoya,Barara,Dheen, Duliana,Gheldi,Hemamajra, Holi,Mullana,Sirasgarh, Sadakpur,Sohana,Tangail Panjail, Alipur, Sherpur Sulkhani	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery Potato, Onion & other Vegetable and Fruit crops Livestock	Low Yield : -Low yielding old varieties -Low productivity due to Rice-wheat cropping system Sodicity hazards in soil - Traditional sowing & field preparation techniques Low yield in Horti. crops due to: -Old varieties -Poor net return due to sole crops -Poor crop management techniques & unjudicious use of inputs	-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 -Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				Women Empowerment	-Low milk yield -An-oestrus, Repeat Breeding -Low egg production of desi birds -High mortality -Mineral deficiency in goats -Unhygienic condition, poor health & nutritional status	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation Promotion of secondary agriculture i.e. Poultry,Mushroom cultivation -Promotion of nutrition gardens for family health & sustainable livelihood -Women empowerment through knowledge and skill upgradation
3	Ambala cantt	Ambala –II	Ambala Cantt,Bhilpura, Brahanmajra,Kardhan, Khudda, Manglai,Naggal, Ratanheri,Sapeda, Kapoori, Munrehri	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery Potato, Onion & other Vegetable and Fruit crops	Low Yield : -Low yielding old varieties -Low productivity due to Rice-wheat cropping system Sodicity hazards in soil - Traditional sowing & field preparation techniques	-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 -Promotion of improved varieties,

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				Livestock Women Empowerment	Low yield in Horti. crops due to: -Old varieties -Poor net return due to sole crops -Poor crop management techniques & unjudicious use of inputs -Low milk yield -An-oestrus, Repeat Breeding -Low egg production of desi birds -High mortality -Mineral deficiency in goats -Unhygienic condition, poor health & nutritional status	crop production & management technologies -Promotion of inter-cropping layout -Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation Promotion of secondary agriculture i.e. Poultry,Mushroom cultivation -Promotion of nutrition gardens for family health & sustainable livelihood -Women empowerment through knowledge and skill upgradation
4	Ambala city	Ambala-I	Ambala City,Babaheri Bullana,Bhoora Majra Durana, Dukhedi, Fazailpur,	Rice, Wheat, Sugarcane Oilseed & Pulses &	Low Yield : -Low yielding old varieties -Low productivity due to	-Promotion of RCT to get high return -Integrated crop management

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
			Kot katchua, Lakhnoura Sahib,Janetpur,Handesra , Mardo Sahib, Machhonda,Mohra, Naggal, Nagla Nanku,Nanyola, Panjokhra,Sambhalkhi, Adhomajra, Garnala	Farm Machinery Potato, Onion & other Vegetable and Fruit crops Livestock Women Empowerment	Rice-wheat cropping system Sodicity hazards in soil - Traditional sowing & field preparation techniques Low yield in Horti. crops due to: -Old varieties -Poor net return due to sole crops -Poor crop management techniques & unjudicious use of inputs -Low milk yield -An-oestrus, Repeat Breeding -Low egg production of desi birds -High mortality -Mineral deficiency in goats -Unhygienic condition, poor health & nutritional status	-Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management -Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout -Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation Promotion of secondary agriculture i.e. Poultry,Mushroom cultivation

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						-Promotion of nutrition gardens for family health & sustainable livelihood -Women empowerment through knowledge and skill upgradation
5	Naraingarh	Shahzadpur	Banondi, Bibipur,Bahlauli, Bichpari, Jolly, Kadasan,Kodwa kalan, Kodwa Magarpura,Neknama Panjeto, Patrehri,Rachheri, Santokhi,Fatehgarh,Kakar-kunda, Fatehpur	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery Potato, Onion & other Vegetable and Fruit crops Livestock Women Empowerment	Low Yield : -Low yielding old varieties -Low productivity due to Rice-wheat cropping system Sodicity hazards in soil - Traditional sowing & field preparation techniques Low yield in Horti. crops due to: -Old varieties -Poor net return due to sole crops -Poor crop management techniques & unjudicious use of inputs -Low milk yield -An-oestrus, Repeat Breeding	-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 -Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout -Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					-Low egg production of desi birds -High mortality -Mineral deficiency in goats -Unhygienic condition, poor health & nutritional status	Promotion of secondary agriculture i.e. Poultry,Mushroom cultivation -Promotion of nutrition gardens for family health & sustainable livelihood -Women empowerment through knowledge and skill upgradation
6	Naraingarh	Naraingarh	Badagaon,Badholi,Badi kodi Bakhtua,Ballopur ,Batti,Badagarh Barso Majra, Gokalgarh Gadauli, Hasanpur,Nanhera, Salaula,Chazal Majra,Laha, ,Ahmadpur	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery Potato, Onion & other Vegetable and Fruit crops	Low Yield : -Low yielding old varieties -Low productivity due to Rice-wheat cropping system Sodicity hazards in soil - Traditional sowing & field preparation techniques Low yield in Horti. crops due to: -Old varieties	-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 -Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				Livestock	-Poor net return due to sole crops -Poor crop management techniques & unjudicious use of inputs	layout
				Women Empowerment	-Low milk yield -An-oestrus, Repeat Breeding -Low egg production of desi birds -High mortality -Mineral deficiency in goats	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
					-Unhygienic condition, poor health & nutritional status	Promotion of secondary agriculture i.e. Poultry,Mushroom cultivation -Promotion of nutrition gardens for family health & sustainable livelihood -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	❖ 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, insect, pest & weed management ❖ Promotion of Organic farming ❖ Crop Residue Management ❖ Improved irrigation systems and methods for water conservation
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	❖ Promotion of :Improved varieties Crop production & management techniques ❖ Promotion of :Inter-cropping layout
Livestock	❖ Lean months scarcity of fodder /Low fodder yield: Old varieties ❖ Low milk production-Poor nutritional & management practices Anoestrus, Repeat Breeding ❖ Suboptimal production in Poultry birds & Piggery ❖ Suboptimal production of Piggery	❖ 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
5	50	150	485

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
P.F. 32	755	168	5000
R.Y. 10	275		
E.F. 4	100		

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. / Poultry/Goat/Pig(Nos)	Soil Samples
(5)	(6)	(7)	(8)
Paddy- 30 Wheat – 150 Sugarcane- 1500 Lentil- 5 Total = 1685	Mango - 200 Lemon - 200 Poplar – 1000 Total = 1400	Poultry -1000 Pigs- 100 Goats- 10 Total - 1110	500

Others	Livestock (No.)		
(9)	(10)		
Vermi Compost-50 qtl. Mushroom - 0.5qtl.	Piglets – 100 Goat kids-10 Poultry Birds-1000		

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	--	Bio fortified variety of wheat: HD-3298	1.Integrated Crop Management in Wheat	Integrated Nutrient Management	• Survey • Kisan Gosthi • Field Days • Farm Advisory Services • News	▪ Seed ▪ Micronutrient (Zn) ▪
2	**Weed Management**	Wheat	Cost of cultivation is higher due to manual weeding	Assessment of herbicides for Weed Management in Wheat Crop	--	--	--	• Survey • Kisan Gosthi • Farm Advisory Services • News	▪ Seeds & Herbicides ▪
3.	**Integrated Crop Management**	Paddy	--	--	Integrated Crop Management in Paddy			• Survey • Kisan Gosthi • Field Days • Farm Advisory Services • News	▪ Seed
		Mustard			Integrated Crop Management in Mustard	Best Management practices for Oilseed crops		• Survey • Kisan Gosthi • Farm Advisory Services • News	▪ Seed ▪ Biofertilizer (PSB & Consortium) ▪
		Chickpea Lentil Mungbean	--	--	-Integrated Crop Management in Chickpea -Integrated Crop Management in Lentil -Integrated Crop Management in Mungbean	Best management practices for Pulse crops	--	• Survey • Kisan Gosthi • Field Days • Farm Advisory Services • News	▪ Seed

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.
								• Survey • Kisan Gosthi • Farm Advisory Services • News	▪
B.	Soil Health & Fertility Management:								
4	Soil & Water Testing	Wheat	Low yield due to imbalanced fertilizer application	--	Balanced Fertilizer application in Wheat	Importance of Soil testing based fertilizer application in Wheat	--	• Survey • Kisan Gosthi • Soil testing Compaign • Field Days • Farm Advisory Services • Method demonstration • World Soil day • News • Messages	Seed& Seed drill
		Rice	Low yield of Paddy due to imbalanced fertilizer application	--		Importance of Soil testing based fertilizer application in Paddy	--	• Survey • Kisan Gosthi • Soil testing Campaign • Field Days • World Soil Day • Farm Advisory Services • News	Seed
C.	Plant Protection:								
5	**Integrated Disease Management**	Rice	Yield loss due to incidence of Sheath blight	Assessment of Fungicides for management of Sheath blight in Paddy	1.Management of False smut in Paddy 2.Control of Plant Hopper in Paddy	1.Integrated Management of Sheath blight in Paddy 2.Integrated	--	• Survey • Kisan Gosthi Plants analyses • Farm Advisory Services	-Amistar Top 325 % EC (Azoxystrobin + difenoconazole) 500 ml/ha

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 of False smut in Paddy 3.Integrated Management of Plant hopper in Paddy		• News • Messages	-Copper oxychloride 50 WP @ 1.25 kg/ha -Pymetrozine 300 gm/ha
		Wheat	Yield loss due to - Yellow rust disease - Incidence of Loose smut	--	1.Management of Yellow rust (Stripe) in Wheat 2.Management of Loose Smut in Wheat	Integrated Management of Loose smut in Wheat	--	• Survey • Kisan Gosthi • Plants analyzed • Farm Advisory Services • Messages	Tebuconazole 25 EC @ 500 ml/ha
		Sugarcane	Yield loss due to Infestation of Black bug	--	Control of Black bug attack in Sugarcane	Integrated Management of Black bug in Sugarcane	--	• Survey • Kisan Gosthi • Plants analyzed • Farm Advisory Services • Messages	Phenthoate1 liter/ha
6	**Integrated Pest Management**	Onion	Excess moisture in soil / furrow	--	Management of Onion Thrips	Integrated Pest Management of Onion thrips	--	• Survey • Kisan Gosthi • Plants analyzed • Farm Advisory Services • News • Messages	Carbofuran 3 G @ 20-25 kg/ha
		Tomato	Seasonally occurrence	--	Management of Fruit borer in Tomato	Integrated pest management of tomato fruit borer	--	• Survey • Kisan Gosthi • Plants analyzed • Farm Advisory Services • News	Fenvalerate (0.01%)

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.
								• Messages	
D.	**Horticultural Crops**								
7	Weed management	Onion	High cost of cultivation due to hand weeding	Assessment of herbicides for Weed Management in Onion	--	--	--	• Survey • Field visits • Farm advisory services • Feedback • Messages	Goal (625 gm/ha) Seed 10 kg./ha
8	Varietal Evaluation	Onion	Low yield due to old variety	--	Improved Variety of Onion (NHRDF-RED)	1.Integrated Crop Management in Onion 2.Lay-out of Intercropping (Sugarcane + Onion)	--	• Survey • Field day • Farm advisory services • Messages	Onion seed
9	Integrated Crop Management	Tomato	Low yield due to lack of knowledge about improved farm practices	--	Integrated Crop Management of Tomato	Integrated Crop Management in Tomato	--	• Survey • Field visits • Farm advisory services • Feedback • Messages	Pendimethalin -Mancozeb (M-45) -Cypermethrin
		Potato	Un-judicious use of Farm input Disease, Weed & Pest attack	--	Integrated Crop Management of Potato	Integrated Crop Management in Potato	--	• Survey • Field visits • Field Day	-Pendimethalin -Mancozeb (M-45)

(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.
10	RCT/Farm Machinery	Wheat	-Deterioration in Soil properties & environment pollution	-Assessment of Wheat sowing methods under strawmanagement	Happy seeder for Wheat sowing	-Operational procedure of residue management machineries & their management -In-situ crop residue Management	Recent trends in In-situ Crop Residue Management	-Survey Awareness :Crop Residue Management -Kisan Mela -Field visits -Lecture -Messages	-Seeds & Machinery -Happy Seeder

(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
11	Production and Management	Buffaloes Pigs ts	-Suboptimal production in dairy animals -Mastitis in dairy animals due to multiple causal factors	Assessment of Dietary cation-anion difference (DCAD) balanced Diet to optimize Animal productivity	-Complete Package of practice to control Mastitis	1.Good Health & Production Management practices in dairy animals 2.Management of Mastitis and Clean milk production practices 3.Pig Production & Management 4.Feed and fodder management practices 5.Ethnoveterinary practice for prevention and control of various disease in livestock animals	Advanced nutritional & management practices in livestock	-Survey -Animal HealthCamp -Kisan Goshthi -Exposure visits -Messages -Publication -FAS	-DCAD - **Mastitis Kit**

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
12	Disease Management & Production Management	Cows Poultry	-Quantitative (Milk yield) as well as Qualitative (Fat & SNF) lower production -Ammonia odor, toxicity results in Fly menace in surrounding	--	-Management of Feeding Yeast Culture with Metabolites on production parameter in HF Cross Cows -Microbial (Spl.Bacillus) solution for dry litter in Poultry	-Commercial Dairy farming -Poultry Management	--	-Survey -Animal HealthCamp -Kisan Goshthi -Exposure visits -Messages -Publication •	-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.
14	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 gardens for household food 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 and management of Kitchen garden -Value addition of seasonal vegetables -Awareness regarding drudgery reducing technique & women friendly tools

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										
Seed / Plant production	--	--	--	--	--	--	--	--	--	--
Weed Management	1	--	--	--	1	--	--	--	--	2
Integrated Crop Management	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient Management	--	--	--	--	--	--	--	--	--	--
Integrated Farming System	--	--	--	--	--	--	--	--	--	--
Mushroom cultivation	--	--	--	--	--	--	--	--	--	--
Drudgery reduction	--	--	--	--	--	--	--	--	--	--
Farm machineries	1	--	--	--	--	--	--	--	--	1
Value addition	--	--	--	--	--	--	--	--	--	--
Integrated Pest Management	--	--	--	--	--		--	--	--	--
Integrated Disease Management	1	--	--	--	--	--	--	--	--	1
Resource conservation technology	--	--	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--	--	--
TOTAL	**3**	--	--	--	**1**	--	--	--	--	**4**

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	-	--	--	--	--	--	--	--	--	--
Seed / Plant production	-	--	--	--	--	--	--	--	--	--
Weed Management	-	--	--	--	--	--	--	--	--	--
Integrated Crop Management	-	--	--	--	--	--	--	--	--	--
Integrated Nutrient Management	-	--	--	--	--	--	--	--	--	--
Integrated Farming System	-	--	--	--	--	--	--	--	--	--
Mushroom cultivation	-	--	--	--	--	--	--	--	--	--
Drudgery reduction	-	--	--	--	--	--	--	--	--	--
Farm machineries	-	--	--	--	--	--	--	--	--	--
Post Harvest Technology	-	--	--	--	--	--	--	--	--	--
Integrated Pest Management	-	--	--	--	--	--	--	--	--	--
Integrated Disease Management	-	--	--	--	--	--	--	--	--	--
Resource conservation technology	-	--	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	-	--	--	--	--	--	--	--	--	--
TOTAL	-	--	--	--	--	--	--	--	--	--

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	--	--	--	--	--	--	--	--
Nutrition Management	--	--	--	--	--	--	--	--
Disease of Management	--	--	--	--	--	--	--	--
Value Addition	--	--	--	--	--	--	--	--
Production and Management	1	0	--	--	--	--	--	1
Feed and Fodder	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--
TOTAL	**1**	**0**	**--**	**--**	**--**	**--**	**--**	**1**

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	-	--	--	--	--	--	--	--
Nutrition Management	-	--	--	--	--	--	--	--
Disease of Management	-	--	--	--	--	--	--	--
Value Addition	-	--	--	--	--	--	--	--
Production and Management	-	--	--	--	--	--	--	--
Feed and Fodder	-	--	--	--	--	--	--	--
Small Scale income generating enterprises	-	--	--	--	--	--	--	--
TOTAL	-	--	--	--	--	--	--	--

B. Details of On Farm Trial /Testing (OFT)

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 (Technlogical,Economic & Farmer's perception)
1. Rabi Crops									
Assessment of herbicides for Weed Management in Wheat Crop	Cost of cultivation is higher due to manual weeding	Farmers using Pendimethalin (Stomp), which is not control broadleaf weeds resulted yield reduced	T_1-Pinoxaden (Axial 5 %EC)-1000 ml/ha (F.P.) T_2 – Pendimethalin +Metribuzin (Platform) 385 % SE 2.5 lit/ha Rec.	PAU, Ludhiana	Seeds & Herbicides	9000	1 ha	10	**I. Technological** -Weed control efficacy (%) -No. of tillers/ M^2 -No. of grains/ spike 2.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Assessment of Wheat sowing methods under straw management	Deterioration in Soil properties & environment pollution	Burning of Paddy residue	T_1-Happy Seeder (F.P.) T_2 –Super Seeder (Rec.) (Min.of Agri.)	Ministry of Agriculture & Farmers Welfare, Govt. of India	-Happy Seeder -Super Seeder -Seed	15000	4 ha	10	**I. Technological** -Field capacity of sowing system (ha/hr) -Soil testing (N,P & K) 3.Crop growth parameter (Plant height, Effective tiller & 100 grain weight) 2.Yield (q/ha) **II. Economics** -Increase in Yield

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 (Technlogical,Economic & Farmer's perception)
									(%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Assessment of herbicides for Weed Management in Onion	High cost of cultivation due to hand weeding	Poor weed management with the application of Pendimethalin	T_1– Pendimethalin 3.75 lit/ha +two time hand weeding (F.P.) T_2- Goal (Oxyfluorfen 23.5 EC) 625 gm/ha + one time hand weeding (PAU)	PAU, Ludhiana	Goal (625 gm/ha)	6000	1 ha	10	I.Technological 1.Diameter of Bulb (cm) 2.Weight of Bulb (gm) 3.Disease infestation (%) 4.Yield (qt/ha) II.Economics -Increase in Yield (%) -Cost of cultivation (Rs./ha) -Net returns (Rs./ha) - BCR **III.Farmer's perception** -Adoption/ Acceptability (%)
II.Kharif Crops									
Assessment of Sheath blight	Yield loss due to incidence of Sheath	Un-timely Spraying of low effected	T_1- Tebuconazole 25 % EC @ 500 ml/ha (F.P.)	PAU, Ludhiana	Amistar Top 325 EC (Azoxystrob	6000	1 ha	10	I.Technological 1.Sheath blight (%) 2.Yield (qtl./ha)

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 (Technlogical,Economic & Farmer's perception)
managemen t in Paddy	blight	fungicide alongwith high dosage of Nitrogen fertilizer	T_{2-} Amistar Top 325 % EC (Azoxystrobin + difenoconazole) 500 ml/ ha		in + difenoconaz ole) 500 ml/ha				II.Economics -Increase in Yield (%) -Cost of cultivation (Rs./ha) -Net Return (Rs./ha) -BCR **III.Farmer's perception** -Adoption(%)
III.Others									
Assessment of Dietary cation-anion difference (DCAD) balanced Diet to optimize Animal productivit y	Suboptimal production in dairy animals	Imbalanced DCAD before and after parturition	T_1 : Standard balanced diet without balancing DCAD (FP) T_2 : Standard balanced diet + DCAD (Dietary cation-anion difference) balancing supplements at pre and post parturition stage (Assessment)	National Dairy Developme nt Board	DCAD	50000	20- Murrah Buffaloes	10	I.Technological 1.Average Milk Yield (lit/Day/ Animal) Successful Parturition 2Disease Incidence (%) 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	HD-3226	Varietal Evaluation	Improved variety of Wheat : HD-3226	• Seed @100 kg./ha	Rabi 2021	4.0	10	-No. of grains/ spike -No.of tillers/m^2 -Yield (q/ha) -BCR
2	Wheat	DBW-187	Varietal Evaluation	Bio-fortified variety of wheat : HD-3298	• Seed @100 kg./ha	Rabi 2021	4.0	10	-No. of grains/ spike -No. of tillers /m^2 -Yield (q/ha) -BCR
3	Mustard	CSJ-7	ICM	Integrated Crop Management in Mustard	• Seed @ 5 kg./ha	Rabi 2021	4.0	10	No. of grains/ Siliqua -No. of Siliqua /plant -Yield (q/ha) -BCR
4	Sugarcane	Co-238	Integrated Pest Management	Control of Black bug attack in Sugarcane	• Phenthoate1 liter/ha	Rabi 2021	4.0	10	-Infestation of Black bug (%) -Yield (q/ha) -BCR
	Soil Health & Fertility Management								
5	**Wheat**	H.D.2967	Soil & Water Testing	Balanced Fertilizer application in Wheat	• Seed @100 kg./ha	Rabi 2021	4.0	10	-Plant height (cm) -No. of effective tillers /m^2 -Yield (q/ha) -BCR
	Horticulture								
6	Potato	Kufri Pukhraj	Integrated Crop Management	Integrated Crop Management in Potato	• Pendimethalin • Mancozeb M-45	Rabi 2021	4.0	10	-Weight(gm.) -Yield (q/ha) -BCR
7	Onion	NHRDF-RED (L-28)	Varietal Evaluation	Improved Variety of Onion (NHRDF-RED)	• Seed 10 kg./ha	Rabi 2021	4.0	10	-Yield (q/ha) -Diameter of bulb (cm) -Weight of bulb (gm) -BCR
	Plant Protection				•				
8	Wheat	HD-2967	Integrated Pest Management	Management of Loose Smut in Wheat	• Tebuconazole 25 EC @ 500 ml/ha (PAU)	Rabi 2021	4.0	10	-Incidence of Loose Smut (%) -Yield (q/ha) -BCR
9	Wheat	HD-2967	Integrated Disease Management	Management of Yellow rust in Wheat	• Tilt (Propiconazole 25 % EC @ 500 ml/ha (PAU)	Rabi 2021	4.0	10	-Incidence of Disease (Yellow Rust) % -Yield (q/ha) -BCR
10	Onion	NHRDF-	Integrated	Management of	• Carbofuran 3 G	Rabi	4.0	10	-Infestation of

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
		RED (L-28)	Pest Management	Onion thrips	@ 20-25 kg/ha	2021			thrips (%) -Yield (q/ha) -BCR
	Kharif				•				
11	**Rice**	PR-129	Integrated Pest Management	**Control of Plant hopper in Paddy**	• **Pymetrozine 300 gm/ha** •	Kharif 2021	4.0	10	-Infestation of Plant hopper (%) -Yield (q/ha) -BCR
12	**Rice**	**PB-1121**	Integrated Disease Management	**Management of False smut in Paddy**	• **Copper oxychloride 50 WP @ 1.25 kg/ha**	Kharif 2021	4.0	10	**-Incidence of False Smut (%)** -Yield (q/ha) -BCR
13	Tomato	Namdhari-524	Integrated Crop Management	Integrated Crop Management in Tomato	• **-Pendimethalin** • **-Mancozeb (M-45)** • **-Cypermethrin**	Kharif 2021	4.0	10	-No.of fruits/plant -Fruit weight (gm) -Yield (q/ha) -BCR
14	Tomato	Namdhari-524	Integrated Pest Management	Management of Fruit borer in Tomato	• Fenvalerate (0.01%)	Kharif 2021	4.0	10	- Infestation of Fruit borer (%) -Yield (q/ha) -BCR
					Grand Total		**56.0**	**140**	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
--	--	--

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	5	--	100
	➢ Wheat (2) ➢ Rice ➢ Onion ➢ Potato		23.4.21 10.9.21 13.2.21 21.2.21	25 25 25 25
2	Farmers Training • Best Management practices for Sugarcane • Integrated Crop Management in Paddy • Integrated Disease Management in Rice & Wheat • Method of taking soil samples and importance of its analysis • Recent technology in In-situ Crop residue Management • Integrated Crop Management in vegetables • Production Management in dairy animals. • Promotion of Nutrition Gardens for family health & sustainable livelihood	11	Jan-Dec.21	160
3	Media coverage	10		

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
Happy Seeder for Wheat sowing	Wheat	Rabi – 2021	10	4.0	-Happy Seeder -Wheat Seed @ 100 kg/ha	-Field capacity (ha/hr) -Cost reduction (Land preparation/Labour/Irrigation) Rs./ha -Cost of Cultivation (Rs./ha) -Yield (q/ha) -BCR
Total			**10**	**4.0**		

(ii) Livestock Enterprises

Enterprise	Technology /Breed	No. of farmers	No. of animals, poultry birds/ha	Critical inputs	Performance parameters / indicators
Poultry	Microbial (Spl.Bacillus) solution for dry litter in Poultry	10	10 Poultry farm	Microbial (Bacillus) solution	-% decrease in Ammonia , Moisture and hence fly menace
Dairy -Cattle (HF Cross)	Complete Package of practice to control Mastitis	20	20 HF Cross cows	Mastitis Kit	-Case/control observed (No.) -Milk production (lit/day)
Buffalo (Murrah)	Yeast culture with Metabolites as a critical feed supplement	20	20 Murrah Buffaloes	Yeast culture with Metabolites	-Quantitative milk production -Qualitative (FAT & SNF)
	Total	**50**			

(iii) Women Empowerment /Home Science

Enterprise	No. of farm women	Area (ha)	Critical inputs	Performance parameters /indicators
Kitchen gardening	60	--	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
Total	**60**			

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	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	0	0	0	0	0	0	0	0
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	4	72	0	72	8	0	8	80
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	2	30	0	30	0	0	0	30
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	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
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								

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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	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								
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								
IV Livestock Production and Management								
Dairy Management	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0
Piggery Management	1	30	0	30	0	0	0	30
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	2	60	5	65	0	0	0	65
Feed management	0	0	0	0	0	0	0	0
Production of quality animal products	1	30	0	30	5	0	5	35
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	0	0	0	50	50	50
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	20	20	20
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

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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	1	15	0	15	0	0	0	15
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	2	35	0	35	0	0	0	35
Integrated Disease Management	1	20	0	20	0	0	0	20
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
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

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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)	0	0	0	0	0	0	0	0
TOTAL	**16**	**292**	**5**	**297**	**13**	**70**	**83**	**380**
(B) RURAL YOUTH								
Mushroom Production	1	20	10	30	5	5	10	40
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	15	0	15	5	0	5	30
Integrated Farming	0	0	0	0	0	0	0	0
Planting material production	1	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
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	1	25	0	25	0	0	0	25
Nursery Management of Horticulture crops	1	20	0	20	0	0	0	20
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	1	30	0	30	0	0	0	30
Sheep and goat rearing	1	10	0	10	10	0	10	20
Quail farming	0	0	0	0	0	0	0	0
Piggery	1	30	0	30	0	0	0	30
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	1	10	0	10	0	20	20	30
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

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Rural Crafts	0	0	0	0	0	0	0	0
Value addition	1	0	0	0	0	30	30	30
TOTAL	**10**	**160**	**15**	**175**	**20**	**80**	**100**	**27**
(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	25	0	25	0	0	0	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
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	1	25	0	25	0	0	0	25
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	25	25	0	0	0	25
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	**4**	**75**	**25**	**100**	**0**	**0**	**0**	**100**
G. Total								

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	0	0	0	0	0	0	0	0
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	15	0	15	0	0	0	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
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								

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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	2	30	0	30	0	0	0	30
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	1	15	0	15	0	0	0	15
IV Livestock Production and Management								
Dairy Management	0	0	0	0	0	0	0	0
Poultry Management	1	5	0	5	0	25	25	30
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management /goat	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0
Feed management	1	30	5	35	0	0	0	35
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition 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								

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Installation and maintenance of micro irrigation systems								
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	3	55	0	55	0	0	0	55
Integrated Disease Management	1	20	0	20	0	0	0	20
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	2	40	0	40	0	0	0	40
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
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

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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)	0	0	0	0	0	0	0	0
TOTAL	**16**	**25**	**10**	**2435**	**40**	**100**	**140**	**375**
(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
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

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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								

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	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	0	0	0	0	0	0	0	0
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	4	72	0	72	8	0	8	80
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	3	45	0	45	0	0	0	45
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
Man4agement 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

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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	2	30	0	30	0	0	0	30
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	1	15	0	15	0	0	0	15
IV Livestock Production and Management								
Dairy Management	0	0	0	0	0	0	0	0
Poultry Management	1	5	0	5	0	25	0	25
Piggery Management	1	30	0	30	0	0	0	30
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	2	60	5	65	0	0	0	65
Feed management	1	30	5	35	0	0	0	35
Production of quality animal products	1	30	0	30	5	0	5	35
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	0	0	0	50	50	50
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	2
Value addition	1	0	0	0	0	20	20	20
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	1	15	0	15	0	0	0	15
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	4	75	0	75	0	0	0	75
Integrated Disease Management	3	55	0	55	0	0	0	55
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	2	40	0	40	40	0	40	80
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
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	**32**	**517**	**15**	**532**	**53**	**170**	**223**	**755**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(B) RURAL YOUTH								
Mushroom Production	1	20	10	30	5	5	10	40
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	15	0	15	5	0	5	30
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	1	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
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	1	25	0	25	0	0	0	25
Nursery Management of Horticulture crops	1	20	0	20	0	0	0	20
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	1	30	0	30	0	0	0	30
Sheep and goat rearing	1	10	0	10	10	0	10	20
Quail farming	0	0	0	0	0	0	0	0
Piggery	1	30	0	30	0	0	0	30
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	1	10	0	10	0	20	20	30
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
Value addition	1	0	0	0	0	30	30	30
TOTAL	**10**	**160**	**15**	**175**	**20**	**80**	**100**	**27**
(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

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Integrated Nutrient management	1	25	0	25	0	0	0	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
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	1	25	0	25	0	0	0	25
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	25	25	0	0	0	25
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
	10	**160**	**15**	**175**	**20**	**80**	**100**	**27**
TOTAL	**4**	**75**	**25**	**100**	**0**	**0**	**0**	**100**
G. Total	**46**	**752**	**55**	**807**	**73**	**250**	**323**	**882**

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

1.4. 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: Summer Moong,Chickpea,Lentil, Wheat, Rice, sugarcane, Mustard, Potato, Onion	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	6	325	45	370	70	150	220	**15**	**5**	**610**

Nature of Extension Activity	No. of activities	Farmers						Extension Officials		Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total
• World Soil Day • International Women Day • Van-Mahotsava										
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**
Any Other (Health Camp)	1	0	10	10	0	23	23	1	1	**35**
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**
Crop Residue Management	2	100	50	150	50	50	100	**12**	**6**	**268**
Total	**168**	**5540**	**631**	**6171**	**1237**	**685**	**1922**	**266**	**58**	**8377**

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	PB-1121,PB-1718, PR-126	30
	Wheat	HD-2967 (F &C),HD-3086(F),HD-3226,Improved PBW-343	150
	Sugarcane	Co-238, Coj-85, Co-5011	1500
OILSEEDS			
PULSES	Lentil	LL-931	5
VEGETABLES			
OTHERS			

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	1000
ORNAMENTAL CROPS	--	--	--
Others (Mushroom)	Mushroom	Button Mushroom	50 kg.
		Total	**3000**

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-2967, HD-3086, H.D.-3226, DBW-187,Improved PBW-343 (Crop Residue Management : Sowing of Wheat with Happy Seeder and Direct Seeded Rice)
Paddy	PR-126, PR-121, PB-1121,PB-1718, CSR-30
Lentil	HM-1, LL-931
Sugarcane	Co-85, Co-0238, Co-5011
Chickpea	Gram-2149, GNG-2171,CSJ-512
Vegetables	Onion,Potato
Fruit Plants	Guava & Lemon

NUTRITION GARDEN (1000 m^2)

Vegetables	Variety
Seasional 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 : 1000

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	5
2	Technical reports	10
3	News letters	426
4	Training manual all discipline	4
5	Popular article	5
6	Extension literature	2
	Total	

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	VCD	Crop Residue Management	1
2	VCD	Cluster Front Line Demonstrations on Oilseed Cluster Front Line Demonstrations on Pulses	2
3	VCD	Livestock ARYA	1 5

3.7. Success stories/Case studies identified for development as a case. - 2 No.

1.

2.

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 (2021)

i. Name of villages identified/adopted with block name (from which year):
   - List of selected villages given in abstracts selected from different blocks
   - 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 :

iii. No. of survey/PRA conducted :

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

Name of the organization	Nature of Contribution of KVK
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
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.
Institutes	
- NBAGR - NDRI - IIWBR - 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, Muruthal, Sonipat	- 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)
- IIWBR, Ghaziabad	- Wheat FLD
- Metrology Department, Chandigarh & Delhi	- DAMU Project & Weather data
- RRECL, Jaipur	- Training
Line Departments	
- Agriculture & Farmers Welfare Department - Horticulture Department - Animal Husbandry Department - Fishery Department - AAE, Fisheries Department - Forestry Department	- 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

Name of the organization	Nature of Contribution of KVK
- KVK (CCSHAU), Ambala City - ICDS (CDPO), Ambala - Disease Investigation Lab(LUVAS) - KVIC - District Industries Center - Nehru Yuva Kendra - ASCO (IWMP), Naraingarh	
Shivalik Development Agency, Ambala	KVK approach road (1km.)
College & Schools	
- Govt. Polytechnic, Ambala City - K.C.Govt. Polytechnic for women, Ambala - Rajiv Gandhi Govt. College, Saha - Govt. Schools	- Sponsored skill base training programme for rural youth: Tailoring & Stitching & Welding, Awareness Camp. & Campaigns and participation in KVK Melas, SAC Meetings
Other Organizations	
IFFCO, Ambala	Nano Project, SAC Meeting, Awareness programmes
Sugarcane Mill, Shahabad Markanda	Purchase and sale of Seed of Sugarcane, Sale of Sugarcane and Exposure visit of farmers
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, Murthal, onipat	VAP programmes
DD Kisan	**TV talk, Chopal Charcha**
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
Private Companies	
-M/S Allied Trading Company , Ambala -Global Agro Works,Saha -Global Agro Works, Saha -Guru Nanak Engg Works, Ambala City. -Atwal Tractors,-Gurdev Tractors -New Holland Tractors & Messy Tractors,-Shree Seeds -Balwindra Seeds, Ambala -Ambala Seed Company, Saha -K.D.Seeds, Mathana, K.D.Fresh, Mathana, Dashmesh Implements -Reliance Industries, Chandigarh -Vetcare industries ,-Godrej Agrovet,Khanna, Global Agro works, Saha,-Lemken India Agro Equipment, Chandigarh	Stall in Farmers Fair/Kisan Mela , Seeds, Tractors etc.
-Reliance General Insurance, Chandigarh ,BI General Insurance - ICICI Lombard Insurance	Farmers Fair on Pradhan mantri Fasal Beem Yojna & Training
- Gram Panchyats	- Organizing of Extension activities and active participation in SAC,

Name of the organization	Nature of Contribution of KVK
	Training programmes & other activities
-Farmers clubs & SHGs	Skill & knowledge upgration programmes, mass awareness campaigns, planting of future activities etc.
-Custom Hiring Centre, Sapeda	Kisan Mela, CRM Project

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district No Linkage

S. No.	Programme	Nature of linkage
1	--	--
2		

4.3 Give details of programmes under National Horticultural Mission : Skill Trainings

S. No.	Programme	Nature of linkage
1	--	--

4.4 Nature of linkage with National Fisheries Development Board: For Fish Seed from District Department

S. No.	Programme	Nature of linkage
1	--	--

5.0 Utilization of hostel facilities (During Vocational & Sponsored Trainings)

S. No.	Programme	No. of days
1		
	Total	

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										
25-28 Oct.21	PF	Integrated Crop Management in Wheat Crop	4	18	0	18	2	0	2	20
25-28 May,21	PF	Integrated Crop Management in Paddy crop	4	18	0	18	2	0	2	20
10-13 Oct.21	PF	Best Management practices for Oilseed crops	4	18	0	18	2	0	2	20
14-17 Oct.21	PF	Best Management practices for Pulse crops	4	18	0	18	2	0	2	20
		Total (4)		**72**	**0**	**72**	**8**	**0**	**8**	**80**
Horticulture										
January,21	PF	Integrated Crop Management in Onion	4	15	0	15	0	0	0	15
January,21	PF	Lay-out of Intercropping (Sugarcane + Onion)	4	15	0	15	0	0	0	15
		Total (2)		**30**	**0**	**30**	**0**	**0**	**0**	**30**
Live Stock Production.										
Sep.21	PF	Good Health & Production Management practices in dairy animals	4	30	0	30	5	0	5	35
Aug.21	PF	Management of Mastitis and Clean milk production practices	4	30	5	35	0	0	0	35
July,21	PF	Ethnoveterinary practice for prevention and control of various disease in livestock animals	4	30	0	30	0	0	0	30
June,21	PF	Pig Production & Management	4	30	0	30	0	0	0	30
		Total (4)		**120**	**5**	**125**	**5**	**0**	**5**	**130**
Soil Health & Fertility Management										
--	PF	--	0	0	0	0	0	0	0	0
		Total (0)		**0**	**0**	**0**	**0**	**0**	**0**	**0**
Agril. Engg.										
November,21	PF	Recent technology in In-situ Crop Residue Management	4	15	0	15	0	0	0	15
		Total (1)		**15**	**0**	**15**	**0**	**0**	**0**	**15**
Home Science										
April,21	PF	Promotion of Nutrition Gardens for family health & sustainable livelihood	4	0	0	0	0	50	50	50
October,21	PF	Value Addition of fruits & vegetables	4	0	0	0	0	20	20	20
		Total (2)		**0**	**0**	**0**	**0**	**70**	**70**	**70**
Plant Protection										
May,21	PF	Integrated Management of Sheath blight in Paddy	4	20	0	20	0	0	0	20
May,21	PF	Integrated Management of False smut in Paddy	4	20	0	20	0	0	0	20
March,20	PF	Integrated Pest Management of Tomato fruit borer	4	15	0	15	0	0	0	15
		Total (3)		**55**	**0**	**55**	**0**	**0**	**0**	**50**
Fishery										
--	--	--	0	0	0	0	0	0	0	0
		Total (0)		**0**	**0**	**0**	**0**	**0**	**0**	**0**
Agril.Extn.										
--	--	--	0	0	0	0	0	0	0	0
		Total (0)								
		Grand Total (16)		292	5	297	13	70	83	380

ii) 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										
--	--	--	--	0	0	0	0	0	0	0
		Total (0)								
Horticulture										
Oct.21	PF	Integrated Crop Management in Potato	4	15	0	15	0	0	0	15
Oct.21	PF	Integrated Crop Management in Tomato	4	15	0	15	0	0	0	15
		Total (2)		**30**	**0**	**30**	**0**	**0**	**0**	**30**
Live Stock Production.										
August,21	PF	Poultry Management	4	5	0	5	0	25	25	30
Sep.21	PF	Feed and fodder management practices	4	30	5	35	0	0	0	35
		Total (2)		**35**	**5**	**40**	**0**	**25**	**25**	**65**
Agril. Engg.										
--	--	--	--	0	0	0	0	0	0	0
		Total (0)		**0**	**0**	**0**	**0**	**0**	**0**	**0**
Home Sc.										
April,21	PF	Storage loss minimization techniques	4	0	0	0	0	25	25	25
May,21	PF	Women & Child care, personal health, hygiene & sanitation	4	0	0	0	0	25	25	25
August,21	PF	Income generating activities for Empowerment of rural women	4	0	5	5	0	25	25	30
		Total (3)		**0**	**5**	**5**	**0**	**75**	**75**	**80**
Plant Protection										
Oct.21	PF	Integrated Management of Loose smut in Wheat	4	20	0	20	0	0	0	20
May,21	PF	Integrated Management of Plant hopper in Paddy	4	20	0	20	0	0	0	20
March,21	PF	Integrated Management of Black bug in Sugarcane	4	20	0	20	0	0	0	20
Jan.21	PF	Integrated Pest Management of Onion Thrips	4	15	0	15	0	0	0	15
		Total (3)		**75**	**0**	**75**	**0**	**0**	**0**	**75**
Fisheries										
--	PF	--	0	0	0	0	0	0	0	0
		Total (0)		**0**	**0**	**0**	**0**	**0**	**0**	**0**
Soil health										
June,21	PF	Importance of Soil testing based fertilizer application in Kharif crops	4	15	0	15	0	0	0	15
Nov.21	PF	Importance of Soil testing based fertilizer application in Rabi crops	4	15	0	15	0	0	0	15
May,21	PF	Method of taking Soil samples & importance of its analysis	4	15	0	15	0	0	0	15
		Total (3)		**45**	**0**	**45**	**0**	**0**	**0**	**45**
Agril.Extn.										
March.21	PF	Vermi composting	4	20	0	20	20	0	20	40
Oct.21	PF	Vermi composting	4	20	0	20	20	0	20	40
		Total (2)		**40**	**0**	**40**	**40**	**0**	**40**	**80**
		Off Campus Grand Total (16)		225	10	235	40	100	140	375
		Grand Total (ON +Off) 30		517	15	532	53	170	223	755

ii) Vocational training programmes for Rural Youth

Crop /	Identified Thrust	Training title	Month	Durati	No. of	SC/ST	G.

Enterprise	Area			on (days)	Participants			participants			Total
					M	F	T	M	F	T	
Wheat /Farm Machinery	Farm Machinery	In-situ Crop Residue management	Sep.21	21	25	0	25	0	0	0	25
Nursery	Nursery Management	Gardener	Sep.21	21	15	0	15	5	0	5	20
Nursery	Nursery Management	Nursery Management & Vermi Compost	Dec.21	21	20	0	20	0	0	0	20
Mushroom	Mushroom Production	Mushroom Production	Sep.,21	21	20	10	30	5	5	10	40
Dairy	Dairy farming	Commercial Dairy farming	Nov.21	21	30	0	30	0	0	0	30
Pig	Pig Farming	Commercial Pig Farming	July,21	21	30	0	30	0	0	0	30
Poultry	Poultry Farming	Poultry farming& Management	Aug.21	21	10	0	10	0	20	20	30
Goat	Goat Farming	Commercial Goat Farming	May,21	21	10	0	10	10	0	10	20
Women Empower-ment	Value addition	Value addition (Fruits & Vegetables)	July,21	21	0	0	0	0	30	30	30
Women Empowerment	Rural Craft	Stitching & Embroidery	Oct.21	21	0	5	5	0	25	25	30
	Total (10)				160	15	175	20	80	100	275

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										
August,21	EF	In-situ Crop Residue Management	1	25	0	25	0	0	0	25
June,21	EF	Integrated Nutrient Management	1	25	0	25	0	0	0	25
Sep.21	EF	Advanced nutritional & management practices in livestock	1	25	0	25	0	0	0	25
Sep.21	EF	Nutrition gardening	1	0	25	25	0	0	0	25
		Total (4)		75	25	100	0	0	0	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 programme											
b) Sponsored research programme											
c) Any special programmes											