Krishi Vigyan Kendra, Ambala

भाकृअनुप
ICAR

ANNUAL PROGRESS REPORT
(January-December, 2020)

SOCIETY FOR CREATION OF HEAVEN ON EARTH

Krishi Vigyan Kendra, Village: Tepla, Post: Saha

District: Ambala – 133 104 (Haryana)

Ph. No. 0171 - 2822522

ANNUAL REPORT (January-December, 2020)

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KRISHI VIGYAN KENDRA, AMBALA

ANNUAL REPORT (January, 2020 -December,2020)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	17	319	185	504
Rural youths	10	256	29	285
Extension functionaries	3	0	105	105
Sponsored Training	2	25	5	30
Vocational Training	--	--	--	--
Total	**32**	**600**	**324**	**924**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
1.Oilseeds (Mustard)	125	50	--
2.Pulses (Lentil,Chickpea & Mungbean)	150	60	--
3.Other crops			
1.Cereals (Wheat & Paddy)	86	36.8	--
2 Vegetables (Potato,Onion, & Tomato)	30	12	--
3. Fodder crops (Napier Grass)	24	0.5	--
Total	**415**	**159.3**	
5.Livestock & Fisheries (Dairy)	30	--	30 Ani.
Other enterprises			
6.Women Empowerment (Kitchen garden)	130	--	130 units
7.Farm Machinery (Happy Seeder & CRM)	112	104.8	--
Total	**272**	**104.8**	**160**
Grand Total	**687**	**264.1**	

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	6	6	60
Livestock	2	2	20
Various enterprises(Farm machinery)	1	1	10
Total	**9**	**9**	**90**

No.of trials is no. of replication in different location (6X3 =18) & enterprises in others.

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	254	25249
Other extension activities	47	--
Total	292	24265

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Live-stock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Krishi Vigyan Kendra, Ambala	Text only	513	64	0	0	18	35	630
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	513	64	0	0	18	35	630
Total farmers Benefitted								**62674**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	170.30	5,48,800.00
Planting material (No.)	2337	47,040
Bio-Products (kg)	6004	26,020
Livestock Production (No.)	1021	2,71,900
Fishery production (No.)	--	--

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil (Nos.)	195	--
Water (Nos.)	--	--
Plant (Nos.)	130	--
Total	**325**	**--**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	7
2	Conferences	1
3	Meetings	39
4	Trainings for KVK officials	3
5	Visits of KVK officials	--
6	Book published	--
7	Training Manual	--
8	Book chapters	--
9	Research papers & Abstracts	3
10	Lead papers	--
11	Seminar papers	--
12	Extension folder	5
13	Proceedings	2 (SAC & Ex-situ)
14	Award & recognition	
15	On going research projects	1. CFLD on Pulse crops (NFSM) 2. CFLD on Oilseed crops (NFSM) 3. In-situ Crop Residue Management (Zone-II) 4. ARYA (Zone-II) 5. NARI (Zone-II) 6. DAMU (ICAR) 7. SC SP Scheme (Zone-II) 8. Ex-Situ (IARI) 9. Skill training (ASCI) 10. NABARD (Kisan Clubs & SHG) 11. NIFTEM (Adoption of Villages) 12. Wheat FLD (IIWBR) 13. Nano Zinc (IFFCO)

KRISHI VIGYAN KENDRA,AMBALA

DETAIL REPORT OF APR-2020

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

Address	Telephone		E mail
	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	0171-2822522	bakshi.akhil@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. (Mrs.) Upasana Singh	0171-2546204	8295406560	upasanasinghrathee@gmail.com

1.4. Year of sanction: 1995

1.5. Staff Position (as on 31ST December, 2020)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)+ Grade Pay	Present basic +G.P. (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/	Mobile No.	Age	Email id
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	45yrs. 4 months	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	47 ½ yrs.	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	41 yrs.	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	37 yrs. 4 months	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	35 yrs.10 months	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	33 yrs.10 months	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	36 ½ yrs.	naveensaini709@ gmail.com
8	Programme Assistant	Sh.Dhirendra Singh	Programme Assistant (Plant Protection)	Plant Protection	Rs.35000/- (Consolidated)	35000 Fixed	28.9.18	Temporary	Gen.	8795540755	34 yrs.	dhirendrasingh393@gmail.com
9	Computer Programmer	Mrs. Meera Sharma	Computer Programmer	Computer	Rs.9300-34800 G.P.4600	21130	01.04.08	Permanent	Gen.	9467677662	52 yrs.3 months	meerasharma1968@ gmail. com
10	Farm Manager	Sh. Abhay Kumar	Farm Manager	Agriculture	Rs.9300-34800 G.P.4600	30280	08.12.97	Permanent	Gen.	9416113081	45 yrs.8 months	abhay9416113081@ gmail. com
	* 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 (Rs.)+ Grade Pay	Present basic +G.P. (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/	Mobile No.	Age	Email id
11	Accountant/ Superin-tendent	Sh. Yogesh Kumar	Assistant	Accounts	Rs.9300-34800 G.P.4600	13500	16.12.20	Permanent	Gen.	7837724186	23	yogeshsandhu22@gmail.com
12	Steno-grapher	Sh. Charanjeet Singh	Steno	--	Rs.5200-20200 G.P.2800	13410	16.02.12	Permanent	Gen.	8684070786	36 yrs.4 months	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	55 yrs.7 months	--
14	Driver	Sh. Baldev Singh	Driver-cum-Mechanic	Tractor	Rs.5200-20200 G.P.2400	12990	01.04.08	Permanent	Gen.	9468339196	60 yrs.	--
15	Supporting staff	Sh. Raman Kumar	Supporting Staff	--	Rs.4440-7440 G.P. 1800	12140	27.05.96	Permanent	Gen.	9416847720	51 yrs. 5 months	--
16	Supporting staff	Sh. Karamjit Singh	Supporting Staff	--	Rs.4440-7440 G.P. 1800	11570	12.08.02	Permanent	SC	8901188631	43 yrs.4 months	--

1.5 (a) DAMU Project

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)+ Grade Pay	Present basic +G.P. (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/	Mobile No.	Age	Email id
1	Subject Matter Specialist	Sh. Amit Kumar	SMS(Meteorology)	Agro-meteorology	Rs.15600-39100 G.P.5400	21000	13.11.20	Contract-ual	SC	9996254676	28	amitsingh6994@gmail.com
2	Agromet Observer	Miss Vishu	Agromet Observer	Agromet Observer	Rs.5200-20200 G.P.2000	7200	11.11.20	Contract-ual	SC	7056033522	24	Vishubrar666@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.	Orchard/Agro-forestry	4.0
	Others (specify)	
5.	Farm Roads & Drainage	1.0
6.	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 Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1997-98	662.67	17.83	--	--	--
2.	Farmers Hostel	ICAR	1997-98	311.13	8.37	--	--	--
3.	Staff Quarters (6)	--	--	--	--	--	--	--
4.	Demonstration Units (2)			539.26	10.05			
	1. Poultry	ICAR	1997-98	50.96	--	--	--	--
	2. Goatry	ICAR	1997-98	89.30	--	--	--	--
	3. Piggery	ICAR	1997-98	364.0	--	--	--	--
	4. Mushroom	ICAR	1997-98	35.0	--	--	--	--
5	Fencing	ICAR	1997-98	254.40	2.38	--	--	--
6	Rain Water harvesting system	--	--	--	--	--	--	--
7	Threshing floor	--	--	--	--	--	--	--
8	Farm godown(Seed Store)	ICAR	1997-98	300 sq.m	3.0	--	--	--

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) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
I. Agricultural Machinery / Implements			
Tractor	2016-17	598291	Good
Trolly	2016-17	155000	Good
Happy Seeder (2)	2016-17	112000	Good
	2019-20	140000	Good
Sub-soiler	2015-16	7800	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	370000	Good
	2019-20	270000	Good
Zero Till Drill -4	2018-19	227360	Good
Reversible M B Plough-3	2018-19	195000	Good
	2019-20	300000	
Cutter cum spreader/Shrub Master -1	2018-19	44800	Good
Rotavator (2)	2019-20	210000	Good
II. A.V. Aids			
LED	2016-17	23500	Good
LCD Projector & Camera	2006-07	85000	Poor
PA System & Speakers	2015-16	23975	Good
Display board, stand, Magazine stand etc.	2015-16	10000	Good
III.Office –cum-Lab Furniture/ Equipment			
A.E-extension			
Computer UPS (2 Nos.)	2016-17	73500	Good
Printer (1)	2016-17	15500	Good
Hard disk, Modem & Wi-fi Router	2016-17	13530	Good
HP Laptop	2018-19	32000	Good
HP 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

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
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 Incubator and autoclave	2009-10	156203	Poor
Kent RO with accessory	2009-10	23400	Satisfied
Oven	2009-10	7190	Satisfied
Refrigerator Camera	2009-10	53200	Satisfied Very Poor
Laminar air flow and table desk	2009-10	122496	Satisfied
Thermo hygrometer and heating mantle	2009-10	2374	Satisfied
Inverter	2009-10	23600	Poor
Balance	2009-10	53550	Satisfied
Magnetic stirrer	2009-10	3793	Satisfied
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 SAC meeting* conducted in the year (2020)

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	**25-9-20**	**Sh.Akhil Bakshi, President, Society for Creation of Heaven on Earth**	--	
2.		**Dr. M. S. Meena, Principal Scientist (Agril. Extn.) ICAR-ATARI, Zone-II, CAZRI, Jodhpur (Online)**	Presentations should be in Hindi	Will follow & give presentation in Hindi
			Sarpanch Whats-app group should be started by KVK and involve ATARI also.	Sarpanches were already included in whatsapp group
			Data based presentation of Crop Residue Management Project	--
			Varietal assessment should not taken in OFT.	Will not include in Action Plan - 2021
			Source of technology should be University/Research Institute and not to take Journal as Resource of Technology	Will follow
			Suggested to include all SMS in CFLD programmes	Following
			FPO will be registered and established by Er.Guru Prem, SMS (SWM)	Will follow
			Active participation of SMS (Agronomy) in CRM programmes must be ensured	Following
			Focus on Mushroom enterprises	Following
			Vermi compost should be popularized and 10 units details must be sent to ATARI	Unit established details are presented in ARYA workshop
			SMS (Horticulture) must look-after the KVK campus beautification	Following
			ATARI must be attached in Whatsapp group formed by Home Scientist & ensure active participation of Aanganwadi workers & CDPO	Whatsapp group formed and attached ATARI & CDPO, Aanganwadi was attended the programmes

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
			Make awareness regarding Azolla among farmers in various KVK programmes.No need to take this in FLDs.	Following
			All SMS to ensure submission of publication in Gyan Ganga issued by ATARI,Jodhpur	Will send
			New Banner should be prepared in all programmes.	Will follow
			Farmers need to display the farm produce viz. Mushroom, Vermi compost etc. During SAC Meeting.Training under ARYA should be started only after approval from ATARI	--
			All scientists maintain the separate register for all projects	--
3.		Dr.Devender Chahal, SES (Horticulture)	KVK (CCSHAU),Ambala	--
4.		Miss Anayta	Society for Creation of Heaven on Earth	--
5.		**Dr. Sanket Sharma, ADO, Department of Agriculture, Ambala**	Agriculture department should be invited in KVK training programmes for popularizing Govt. Schemes	We are following
6.		**Sh. Praveen Kumar, Area Manager, IFFCO, Ambala**	Micro-nutrients as deficient in Ambala, therefore include in FLDs & awareness programmes	--
7.		Sh.Ram Lal, FM, Agriculture Department,Saha		--
8.		Sh.Deepak Jakhar, DDM, NABARD, Ambala		
9.		Sh.D.K.Gupta, LDM, Punjab National Bank, Ambala		
10.		Miss Arshdeep,District Youth Coordinator, Nehru Yuva Kendra, Ambala		
11.		Sh.Sukhminder Singh, Member, CHC, Sapeda		
12.		Sh.Ghola Singh, Progressive Farmer, Sapeda, Ambala		
13.		Sh.Surender Kumar, Goli, Ambala		--
14.		Sh.Rahoul Jasuja,Innovator, Goli, Ambala		--
15.		Mrs.Mamta,Dairy Farm women, Rampur, Ambala		--
16.		Sh.Kanwar Pal, Rampur, Ambala		--
17.		Sh.Abhishek Rana, Organic farmer, Ghasitpur, Ambala		--
18.		Sh.Shalinder Partap Singh, Organic Farmer, Barara, Ambala		--

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
19.		Sh.Baljinder Singh, Dairy Farmer, Kheda, Ambala		--
20.		Dr.Upasana Singh, Member-Secretary, KVK, Ambala		--
21.		Er.Guru Prem, SMS (SWM), KVK, Ambala		--
22.		Dr.Amit Kumar, SMS (Horticulture), KVK, Ambala		--
23.		Sh.Vikram Dhirendra Singh, SMS (Plant Protection), KVK, Ambala		--
24.		Sh.Rajendra Kumar Singh, SMS (Agronomy), KVK, Ambala		
25.		Dr.Naveen Saini, SMS (Ani.Sci.), KVK, Ambala		--
26.		Sh.K.N.Chaudhary, O.S.-cum-Acctt., KVK, Ambala		--
27.		Sh.Abhay Kumar, Farm Manager, KVK, Ambala		--
28.		Sh.Dhirendra Singh, Programme Assistant (P.P.), KVK, Ambala		
29.		Mrs.Meera Sharma, Computer Programmer, KVK, Ambala		
30.		Sh.Charanjeet Singh, Steno, KVK, Ambala		
31.		Sh.Baljinder Singh, Pig Farmer (ARYA), Tepla, Ambala	Tepla,Ambala	
32.		Sh.Ved Vyas, Farmer, Ambala	Ambala	

**** SAC proceedings along with list of participants (Attached) Annexure – I***

2. DETAILS OF DISTRICT (2020)

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

S. No	Farming system/enterprise
1	Rice-Wheat
2	Rice-Sugarcne-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)

S. No	Agro-climatic Zone	Characteristics
A	Dry-sub Humid Zone of Haryana State	Average Rainfall : 1000 mm/yr.(app.) Ground Water Status – Dark Zone Temperature range - 2^0C – 45^0C Source of Irrigation : Tubewell (96%) & Canal (14%)
B*	Agro ecological situation i) Geographical Area (ha) : 153171 ii) Net Sown Area (ha) : 133424	Area under crops) : 62%, 66% & 8% (Rice,Wheat & Sugarcane) Area under Horticulture Crops : 10-12% Area under Agro-forestry crops : 3.32% area
C.	General Census (2011) No. of Villages : 486 Blocks : 6 Population (Total Persons) : 1136784 Male - 604044 Female- 532740 Literacy Rate : 82.9 % Male - 88.5% Female- 76.6%	

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

2.3 Soil type/s

S.N.	Soil type	Characteristics	Area in ha
1	Sandy loam to Loamy sand		
	South – West part	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)
		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	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)
		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 Shahzad-pur(~39000 ha)
		Very deep moderately well drained fine loamy soil with loamy surface on nearly level plain slightly eroded	60% part of Block Barara & 40 % Block Shahzad-pur(~17200 ha)

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

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
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 iv) Cucumber (Protected cultivation)	14 24	5260 22960	375.7143 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

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 (No.)	Production	Productivity
Cattle	62,620	39,040 tons	5.8 Lit/D/Animal
Crossbred			
Indigenous			
Buffalo	2,15,341	1,64,607 tons	5.6 Lit/D/Animal
Sheep	13,468	21,634 kg. Wool 2,48,156.19 kg. Meet	--
Crossbred			
Indigenous			
Goats	7,616	5,13,100 kg Milk 4,56,230 kg. Meet	--
Pigs	5,096	3,03,520 kg. Meet	58.40 kg./Pig
Crossbred			
Indigenous			
Horse pony	1527	--	--
Mules	187	--	--
Donkeys	26	--	--
Dogs	10305	--	--
Rabbits	1,126	--	--
Hens	7,09,110	258038700 Eggs	327300 kg. Chicken
Fish			
Ponds	370.14 ha (Area)	1932.5 ton	5.14 /ha
Notified waters (Rivers etc.)	--	200 ton	--

(Source : Animal Husbandry Department, Ambala (2012)

2.7 Details of Operational area / Villages (2020)

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 -Unhygienic condition, poor health & nutritional status	-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 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	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

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				Potato, Onion & other Vegetable and Fruit crops	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 improved varieties, crop production & management technologies -Promotion of inter-cropping layout
				Livestock	-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
				Women Empowerment	-Unhygienic condition, poor health & nutritional status	-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	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
				Potato, Onion & other Vegetable and Fruit crops	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 improved varieties, crop production & management technologies -Promotion of inter-cropping layout
				Livestock	-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
				Women Empowerment	-Unhygienic condition, poor health & nutritional status	-Women empowerment through knowledge & skill upgradation

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						-Improved Health, Hygiene & Sanitation
4	Ambala city	Ambala-I	Ambala City,Babaheri Bullana,Bhoora Majra Durana, Dukhedi, Fazailpur, Kot katchua, Lakhnoura Sahib,Janetpur,Handesra , Mardo Sahib, Machhonda,Mohra, Naggal, Nagla Nanku,Nanyola, Panjokhra,Sambhalkhi, Adhomajra, Garnala	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	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
				Potato, Onion & other Vegetable and Fruit crops	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 improved varieties, crop production & management technologies -Promotion of inter-cropping layout
				Livestock	-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
				Women Empowerment	-Unhygienic condition, poor health & nutritional status	-Women empowerment through knowledge & skill upgradation -Improved Health, Hygiene & Sanitation
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	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
				Potato, Onion & other Vegetable and Fruit crops	Low yield in Horti. crops due to: -Old varieties -Poor net return due to sole crops -Poor crop management techniques	-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
					& unjudicious use of inputs	
				Livestock	-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
				Women Empowerment	-Unhygienic condition, poor health & nutritional status	-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	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
				Potato, Onion & other Vegetable and Fruit crops	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 improved varieties, crop production & management technologies -Promotion of inter-cropping layout
				Livestock	-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
				Women Empowerment	-Unhygienic condition, poor health & nutritional status	-Promotion of secondary agriculture i.e. Poultry,Mushroom cultivation -Women empowerment through knowledge and skill upgradation -Promotion of nutrition gardens for family health & sustainable livelihood

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	-Promotion of RCT to get high return and Crop residue Management -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Organic farming -Soil Fertility Management through balanced fertilizer application -Enhancement of Crop productivity with nutrient, disease, pest & weed management -Management of problematic soil & water
Potato,Onion,Tomato,Coriander (Vegetable crops)	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
Livestock	Promotion of : - Improved Poultry Breed (Chabron), Pig breed (Large White Yorkshire), Goat (Beetal & Barbari) - Management in Livestock through knowledge upgradation -Reduce cost of feeding by Azolla, Silage, Hydroponics etc. - Self employment
Women Empowerment	-Women empowerment through knowledge & skill upgradation -Promotion of Nutrition gardens for family health & sustainable livelihood -Improved Health, Hygiene & Sanitation

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2020

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
8	9	80	90	60	264.1	270	687

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achieve-ment	Targets	Achieve ment	Targets	Achieve-ment	Targets	Achieve-ment
Farmers	35	17	805	504	73	254	8146	25249
Rural youth	8	12	260	315				
Extn. Functionaries	3	3	70	105				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target (qtl)	Achievement (qtl.)	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
Wheat : 150 Paddy : 30	140.80 29.50	100 111	Mango - 200 Lemon - 200 Poplar - 1000	112 243 1982	2 1 2

Livestock (No.)			Others		
5			6		
Target (No.)	Achievement (No.)	Distributed to no. of farmers	Target (qtl)	Achievement (qtl.)	Distributed to no. of farmers
Piglets :100	64	11	Vermi Compost : 50	59	Used at KVK fam
Goat Kids: 10	--	--	Mushroom: 0.5	1.04	30
Poultry :1000	957	78	--	--	--

Soil & Plants samples		
7		
Target	Achievement (No.)	Number of Farmers
Soil Samples : 500	195	195
Plant Samples : 50	130	130
Soil Health Card : 250	245	245

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	--	--	--	--
	--	--	--	--
Varietal Evaluation	Wheat	Assessment of improved variety of Wheat (HD-3226)	1	10
	Gobhi Sarson	Assessment of Gobhi Sarso (CSJ-7)	1	10
	Onion	Assessment of Onion variety NHRDF Red-3	1	10
	Pea	Assessment of Pea variety : AP -3	1	10
	Squash Melon	Assessment of Squash Melon variety of Punjab Tinda-1	1	10
Integrated Pest Management	--	--	--	--
	--	--	--	--
Integrated Crop Management	--	--	--	--
	--	--	--	--
Integrated Disease Management	--	--	--	--
	--	--	--	--
Small Scale Income Generation Enterprises	--	--	--	--
	--	--	--	--
Weed Management	Maize	Tembotrione (Laudis) herbicide application post emergence control of grass and broadleaf weeds	1	10
	--	--	--	--
Resource Conservation Technology				
	--	--	--	--
Farm Machineries	Happy Seeder (Wheat)	Assessment of Wheat sowing methods through Happy Seeder	1	10
Integrated Farming System	--	--	--	--
	--	--	--	--
Seed / Plant production	--	--	--	--
	--	--	--	--
Post Harvest Technology / Value addition				
	--	--	--	--
Drudgery Reduction	--	--	--	--
	--	--	--	--
Storage Technique	--	--	--	--
	--	--	--	--
Others (Pl. specify)	--	--	--	--
	--	--	--	--
Total			**7**	**70**

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management	1. Dairy	1. Assessment of Dietary cation-anion difference (DCAD) Balanced Diet to optimize Animal productivity	1	10
Production and Management	1.Dairy	1. Assessment of Prebiotic containing Refined Functional Carbohydrates (RFCs) on Calve's overall health and immunity	1	10
Others (Pl. specify)	--	--	--	--
Total			**2**	**20**

Summary of technologies assessed under enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
--	--	--	--	--

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

1. WEED MANAGEMENT

1. Herbicide application post emergence control of grass and broadleaf weeds

Problem definition: Dactylocteniem aegyptium & cyperus rotundus affected Spring Maize

Technology Assessed: Weed management in Spring maize was assessed by KVK, Ambala using herbicide Tembotrione (Laudis) as post emergence application for management of grass and broadleaf weeds. T_1 farmers are using only one weeding and not use any herbicide few farmers using Pre-emergence herbicide of Pendimethalin @ 2.5 liter per ha in Spring maize crop. Tembotrione (Laudis) developed by Byar Crop Science recommended for control of boradleaf & grasses weed in Spring maize. With dosage of 287.5 ml /ha as post emergence at 4 leaf stage. Results pointed out that farmers are satisfied using this herbicide in maize instead of one hand weeding as it is beneficial (BC ratio 2.81) and economic (Rs. 74268/ha) due to increase yield by 15% over control.

Table : Tembotrione (Laudis) herbicide application post emergence control of grass and broadleaf weeds

Technology Option	No.of trials*	No. of weeds m^2	Cob length (cm)	Av. Yield (q/ha)	% increase	Cost of cultivation (Rs./ha)	Gross Return (Rs./ha)	Net Return (Rs./ha)	B:C Ratio
T_1 – One time weeding (F.P.)	10	174	10-12	54.00	15.5	39725	99900	60175	2.52
T_2- Tembotrione (Laudis) herbicide application post emergence control of grass and broadleaf weeds (Ass.)		18	15-17	62.375		41125	115393	74268	2.81

*No.of trials are no. of replications.

2. FARM MACHINERIES

1. Assessment of Wheat sowing methods through Happy Seeder

Problem definition: Deterioration in soil properties & environment pollution due to paddy residue burning

Technology Assessed: Krishi Vigyan Kendra, Ambala conducted trial for assessment of wheat sowing methods through Happy Seeder. We have found wheat sowing with Happy Seeder after paddy harvesting by SMS fitted, given 13.15% higher yield due to higher tiller per m^2. The net return was also higher i.e. Rs. 96225 in assessed trial than Rs.79490 in farmer practice. Due to less cost of cultivation the BCR was also higher in assessed technology i.e. 4.34 in comparison to 3.57 in farmer practice.

Table : Assessment of Wheat sowing methods through Happy Seeder

Technology Option	No.of trials *	Field capacity (ha/hr)	No. of tillers/ M^2	Plant height (cm)	Av. Yield (q/ha)	% in-crease	Cost of cultivation (Rs./ha)	Gross Return (Rs./ha)	Net Return (Rs./ha)	B:C Ratio
T_1 –Combine harvesting+ Mulcher+Happy Seeder (F.P.)	10	0.20	395	95.50	49.5	13.15	30,875	1,10,365	79,490	3.57
T_2- Combine harvesting with SMS +Happy Seeder(Ass.)		0.40	415	103.40	56.0		28,750	1,24,975	96,225	4.34

*No.of trials are no. of replications.

3. Varietal Evaluation

1. Assessment of improved Wheat variety : HD-3226

Problem : High incidence of Yellow rust, Crop lodging due to more plant height & low potential yield resulted yield losses

Technology Assessed : Krishi Vigyan Kendra,Ambala conducted varietal assessment of Wheat using local (PBW-677) T_1 & HD-3226 (T_2) varieties. In this trial we have observed the higher number of tillers/ m^2 & plant height (cm) i.e. 410/- and 100.50/- in T_2 than 359.00/- and 107.50/- T_1 respectively. The results of the trial indicated that variety of Wheat HD-3226 (IARI, New Delhi) earned the maximum net returns (Rs.67829/- yielding 51.08 q/ha with B:C ratio 3.22) followed by T_1 (Rs.48906/- yielding 41.25 q/ha with B:C ratio 2.60) respectively and increase in yield 23.83 %. Farmers were satisfied with the results of HD-3226 Wheat variety.

Table: Assessment of improved Wheat variety : HD-3226

Technology Assessed	No.of trials*	No. of tillers/m^2	Plant height (cm)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross Retrun (Rs./ha	Net Returns (Rs./ha)	BC Ratio
T_1 – PBW-677 (F.P.)	10	359	107.5	41.25	30,500	79,406	48,906	2.60
T_2 - H.D.3226 - Ass. (IARI)		410	100.5	51.08	30,500	98,329	67,829	3.22

*No.of trials are no. of replications.

2. Assessment of Gobhi Sarso : GSC-7

Problem : -No farmers cultivate Gobhi Sarso in Ambala and poor oil quality (high Erucic acid)

-Low potential yield and less return from mustard cultivation

Technology Assessed : Krishi Vigyan Kendra, Ambala conducted a trial on varietal assessment of Rapeseed Mustard i.e. TL-15 as farmer practice (T_1) and GSC-7 as assessment variety (T_2). We have found that the average plant height of (T_1) variety was 112 cm. and 168 cm of (T_2) vareity. Due to 29.86 % higher yield in (T_2) i.e. 19.48 qtl/ha as compared to 15.0 qtl/ha in (T_1). The net return and BCR was also higher i.e. Rs. 66,999/ha & 4.49 as compared to 48,075 /ha & 3.62 respectively in (T_1). Farmers were satisfied with the result of Gobhi sarson variety (GSC-7).

Table: Assessment of Gobhi Sarso : GSC-7

Technology Assessed	No.of trials*	Plant height (cm)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross Return (Rs./ha)	Net Returns (Rs./ha)	BC Ratio
T_1 –Mustard (TL-15)- F.P.	10	112	15.0	18,300	66,375	48,075	3.62
T_2 - Gobhi Sarson (GSC-7) - PAU Ass.		168	19.48	19,200	86,199	66,999	4.49

*No.of trials are no. of replications.

3. Assessment of Onion variety NHRDF RED-3

Problem definition: Low productivity of onion

Technology Assessed : Krishi Vigyan Kendra, Ambala conducted a trial on varietal assessment using two treatments viz; T_1- Kalli Patti Pyaz (Farmer's practice) and T_2 –NHRDF RED-3 (NHRDF,Karnal). The results of the trial indicated that NHRDF RED-3 variety earned the maximum net returns (Rs 1,05,000/- yielding 212.5 q/ha with B:C ratio 2.61) followed by T_1 (Rs 79,000/- yielding 180 q/ha with B:C ratio 2.21) and increase in yield 18.05%. Farmers were satisfied with the results of NHRDF RED-3 variety of Onion.

Table Assessment of Onion variety NHRDF RED- 3

Technology Assessed	No.of trials*	Diameter of Bulb (cm)	Weight of Bulb (gm)	Yield (qt/ha)	% increase	Cost of Cultivation (Rs./ha)	Net Returns (Rs./ha)	BC Ratio
T_1 – Kalli Patti Pyaz (F.P.)	10	4.75	52	180.0	18.05	65,000	79,000	2.21
T_2 – NHRDF- Red-3 –Ass.		5.55	60	212.5		65,000	1,05,000	2.61

*No.of trials are no. of replications.

4. Assessment of Pea variety : AP-3

Problem definition: Low productivity of Pea due to less no.of pods/grains

Technology Assessed : Krishi Vigyan Kendra, Ambala assessed variety of Pea (AP-3) in Rabi season using two treatment T_1 –RH-10 (F.P.) and T_2 – A-3 (PAU, Ludhiana). The results of the trial indicates that No. of grain/pods (8-10) which was higher than Farmer practice (7-8). Variety AP-3 the maximum Net return Rs. 20,000/- & yield 50 qtl/ha with BC ratio 1.66 followed by treatment T_1 (Rs.16,000/- & yield 46 qtl/ha with BC ratio 1.53 & increase in percentage 8.69. Farmers were satisfied with the result of variety AP-3.

Table : Assessment of Pea variety : AP-3

Technology Assessed	No.of trials*	No. of grains/pod	Yield (qt/ha)	% increase	Cost of Cultivation (Rs./ha)	Net Returns (Rs./ha)	BC Ratio
T_1- Pea RH-10 (F.P.)	10	7-8	46.0	8.69	30,000	16,000	1.53
T_{2-} Pea AP-3 (Ass.)		8-10	50.0		30,000	20,000	1.66

*No.of trials are no. of replications.

4. Assessment of Squash Melon variety : Punjab Tinda 1

Problem definition: Low productivity of Squash Melon due to late maturity & no.of fruits /vine

Technology Assessed : Krishi Vigyan Kendra, Ambala assessed Squash Melon variety Punjab Tinda-1 (T_2) in comparison to Tinda- 48 (T_1) Farmer practice. The results of the trial indicate that Punjab Tinda-1 (T_2) No. of Fruits/ vine (12-13) and immature Fruit weight (60 gm) was higher than Farmer practice. It was observed that Treatment T_2 (Punjab Tinda-1) increase 18.57% as compassion to Farmers Practice . The variety earned the maximum net return in T_2 (Rs.42,250/-) & T_1 (Rs.32,050/-) with BC ratio (Punjab Tinda-1) is 3.11 was higher than Farmers practice (2.62). Farmers were satisfied with the result of Punjab Tinda-1.

Table Assessment of Squash Melon variety : Punjab Tinda 1

Technology Assessed	No.of trials*	No. of fruit/ vine	Immature Fruit weight (gm)	Yield (q/ha)	% increase	Cost of Cultivation (Rs./ha)	Net Returns (Rs./ha)	BC Ratio
T_1-Tinda-48 (F.P.)	10	10-11	50	35	18.57	20,000	32,500	2.62
T_{2-} Punjab Tinda-1 (Ass.)		12-13	60	41.5		20,000	42,250	3.11

*No.of trials are no. of replications.

4. Nutrition Management (Livestock)

1. Assessment of Prebiotic containing Refined functional Carbohydrates (RFCs) on Calve's overall health and immunity

Problem definition: Retarded growth and weak immunity of calves

Cause : Imbalanced Diet/Malnutrition in Calf

Technology Assessed : KVK, Ambala conducted Trial to assess effect of Prebiotic Containing RFCs on overall health & immunity of female HF calves as far as weight gain,morbidity & mortality are concern as major parameters as dairy farmers faces lot of challenges in rearing calf since preweaned stage due to many got health issues.

Table : Assessment of Prebiotic containing Refined functional Carbohydrates (RFCs) on Calve's overall health and immunity

Technology Option	**No.of trials***	**Av. Body weight of calves (6 months age) (kg.)**	**Prevalence of disease infestation (Morbidity & Mortality) No.**	**Reduced expenses related to health and immunity challenges**	Cost (Rs./unit/day)	**Gross Return (Rs./unit day)****	**Net Returns (Rs./unit/ day)**	**BC**
T_1 – Milk replacer (F.P.)	10	142	Morbidity 5 Mortality 2	-	157	Animal first productivity always		
T_2 – Milk replacer + supplementation of prebiotic containing RFCs(NDDB, Aanand, Gujrat)- Rec.		154	Nil	40%	147			

* No. of calves in each replication : 1 ** No direct economical benefit but indirectly benefit reveals.

5. Production and Nutrient Management

1. Assessment of Dietary cation-anion difference (DCAD) balancing diet to optimize Animal productivity

Problem definition: Low milk yield due to imbalanced DCAD diet

Cause : Imbalance of DCAD before and after parturition/calving

Technology Assessed : KVK, Ambala conducted Trial to assess impact of DCAD balancing diet to optimize Animal productivity as during advance pregnancy cow undergoes several stress and so calving also remain difficult and after parturition, production could not optimized under imbalanced DCAD conditions.

Table : Assessment of Dietary cation-anion difference (DCAD) balanced Diet to optimize Animal productivity

Technology Option	**No.of trials ***	**Average Milk Yield (lit/Day/Animal)**	**Successful Parturitation /Calving**	**Incidence of Milk fever(%)**	**Cost (Rs./Unit/ day)**	**Gross Return (Rs./unit /day)**	**Net Returns (Rs./unit / day)**	**BC Ratio**
T_1 –Standard diet without dEB (F.P.)	10	23	7	30	430	920	490	2.14
T_2- Standard diet + dEB supplementation @ 200-250 meq/kg (DPR,Hyderabad)- Ass.		29	9	Nil	410	1160	750	2.83

*No.of trials are no. of replications. No. of animals in each replication: 1

II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2020 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No.of Villages	No.of Farmers	Area in ha
1	Oilseed (Toria,Mustard & Sunflower)	• Varietal evaluation • Integrated Crop Management • Integrated Pest & Disease Management	• Package & practices • Improved variety of Sunflower(PSH-1962) • Improved variety of Toria (TL-17) • Improved variety of Mustard (PM-21, PM-28) • IPM of Bihar hairy caterpillar in Sunflower • Control of Head borer in Sunflower • Plant protection measures against Downey mildew in Toria	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Field Days • Publication & Messages • Kisan Mela visits • Samples anaysed Social Media	53	726	341
2	Pulse crops (Chickpea Mungbean & Lentil)	• Varietal evaluation • Integrated Crop Management • Integrated Pest & Disease Management	• Package of practices • Improved variety of Chickpea (GNG-1958,CSJ-515) • Recommended variety of Mungbean(MH-421,SML-832) • Improved variety of Lentil(LL-931) • Plant protection Measures for Pod borer in Chickpea • IPM of Bihar Hairy Caterpillar in Mungbean	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Publication & Messages • Messages • Kisan Mela visits • Samples anaysed Social Media	78	886	388
3	Rice	• Varietal evaluation • Integrated Crop Management • Integrated Pest & Disease Management	• Package & Practices • Improved varieties (HKR-127,PR-121,PPB-3,Pusa -1401,1509 & 1612,PR-124 & PR-114,PB-1121, HKR-128 etc.) • Leaf folder attack Management in Rice • Sheath blight Management in Rice • Bacterial leaf blight Management in Rice • Management of Alkali soil for yield enhancement • Soil testing based fertilizer application	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Publication & Messages • Messages • Kisan Mela visits • Samples anaysed Social Media	90	892	825

S. No	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No.of Villages	No.of Farmers	Area in ha
		• Soil & Water Testing	• Management of Bakanae disease in Basmati rice				
4	Wheat	• Varietal evaluation • Integrated Crop Management • Integrated Pest & Disease Management • Management of problematic soil & water	• Package & practices • Improved seed (DBW-187, DBW-90, hd-3226, HD-2967,HD-2733, HD-2894, WH-1105,HD-3059, HD-3086,PBW-677,HPBW-01 & WB-2) • Management of Aphid, Yellow Rust & Karnal Bunt disease • Management of high RSC water for yield enhancement • Soil testing based fertilizer application •	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Field Days • Publication & Messages • Kisan Mela visits • Samples anaysed Social Media	104	1103	5721
5	**Sugarcane**	• Integrated Pest Management	• Plant protection measures to control of Top borer • Plant protection measures to control of Black bug	• FAS • Trainings & Lectures •	4	40	16
6	**Maize**	• Integrated Pest Management • Weed management	• Plant protection measures to control of Maize shoot fly • Weed management through Tembotrione (Laudis) herbicide	• OFT, FLD	3	30	8
7	**Vegetables /Fruits** Potato Tomato Onion Palak Muskmelon	• Varietal evaluation • Integrated Crop Management • Integrated Pest & Disease Management	• Seed Treatment • Variety Kufri Khyati & Kufri Pukhraj of potato • Variety of Palak (Pusa Bharti) • Weed management • Management of Leaf curl disease , Purple Blotch & Thrips • Foliar application of Chemical fertilizer • ICM in Muskmelon of Red Pumpkin Beetle • IDM of late blight in Potato	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Publication & Messages • Kisan Mela visits • Samples anaysed Social Media	45	368	208

S. No	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No.of Villages	No.of Farmers	Area in ha
8	Direct seeding of Rice	RCT/Farm Machinery	-Method of sowing with DSR -Package & practices	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Field Days • Publication & Messages • Kisan Mela visits • Demo. & Soil Samples Social Media	22	276	125.2
9	Happy Seeder/Zero tillage in Wheat	RCT/Farm Machinery	Method of sowing with Happy Seeder/ Zero tillage & package of practices	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Field Days • Publication & Messages • Kisan Mela visits • Demonstration& Soil Samples Social Media	41	480	320
10	Paired Row Trench Digger in Sugarcane and sub soiler M.B.Plough	RCT/Farm Machinery	-Method of Paired Row Trench Plantation & Package & practices -Different sowing method	• OFT,FLD & FAS • Trainings & Lectures • Kisan Gosthi • Field Days • Publication & Messages • Kisan Mela visits • Demonstration & Soil Samples	21	266	120
11	Poultry	-Production & management Nutrition Management	Back-yard Poultry :Improved Breed (CARI Nirbheek, Chabron & Vanraja)	• OFT, FLD & FAS • Trainings & Lectures • Publication & Messages • Exposure visits • Exhibition • Social Media	38	462	3404 Birds

S. No	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No.of Villages	No.of Farmers	Area in ha
12	Dairy	-Disease Management -Production & Management	-Prevention of mastitis in dairy animals -Mineral mixture supplementation -Feed suppliment's effect on production & management -Ethnoveterinary practices	• OFT, FLD & FAS • Trainings & Lectures • Exposure visits • Publication & Messages Social Media	15	142	160 animals
13	Pigs	-Evaluation of breed -Feed & Fodder Management	- Breed Large White York Shire -Replacement of 50% feed with sugarcane press mud (Maili)	• OFT, FLD & FAS • Trainings & Lectures • Publication & Messages • Exposure visits • Exhibition Social Media	25	196	617 Animals
14	Fodder /Azolla	Feed & Fodder Management	-Improved variety of Maize (J-1006) -Berseem (BL-42 & BL-10) -Azolla	• OFT,FLD & FAS • OFT & FLD • Trainings & Lectures • Field Day • Publication & Messages Social Media	25	167	70
15	Women Empower-ment	1.Household food security by kitchen gardening 2.Women & Child Health Care	-Seed of improved variety -Water purification techniques for family health	Promotion of technologies through • Various extension approach • Awareness programmes, Trainings,Demonstrations • Print Media & Social Media	35	582	--

b. Details of FLDs implemented during 2020 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

I. 1. FLD on Oilseed Crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Mustard	Integrated Crop Management	-Improved variety of Mustard (Pusa Tarak) -Crop production techniques	Rabi 2019-20	50	50	7	117	125	--

2. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
1.Mustard	Rabi 2019-20	Irrigated	Silt loam	115	15.30	175	Paddy	21-28 Oct.19	14-23 Feb.20	135.2	10

3. (A) Technical Feedback on the demonstrated technologies

Crop	Feed Back
1.Mustard	The demonstration of CFLD Oilseed crop Mustard variety Pusa Tarak & performed better as compare to Bayer-5111 which variety used by farmers. Demonstrated variety having short duration also.

3. (B) Farmers' reactions on specific technologies

S. No	Feed Back
1.Mustard	During the crop season Pusa Tarak variety performed better than Hybrid variety Bayer -5111 due to untimely rainfall. Farmers were highly interested with low risk variety of Pusa Tarak released by IARI.

Extension and Training activities under FLD

I. Oilseed crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				
	➢ Mustard (Gadauli & Kapoori))	2	13.2.20 15.2.20	25 25	--
2	Farmers Training				--
	➢ Integrated Crop Management in Oilseed crops (KVK)	1	1-5 Ot.2019	20	--
3	Media coverage				--
	Gaon Gadauli me tilhani fasal sarson par prakshetar diwas ka hua aayojan (krishak Aaradhna)	1	12-29 Feb.20	--	--

II. 1.FLD on Pulse Crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Lentil	Varietal Evaluation	Improved variety of Lentil (LL-931)	Rabi 2019-20	10	10	0	25	25	--
2	Chickpea	Integrated Crop Management	-Improved variety of Chickpea (GNG-2144) & crop production techniques	Rabi 2019-20	20	20	0	50	50	--
3	Mungbean	Integrated Crop Management	-Improved variety of Mungbean M.H.421) & crop production techniques	Summer-2020	20	20	0	50	50	--
4	Arhar	Integrated Crop Management	-Improved variety of Arhar (AL - 882) & crop production techniques	Kharif -2020	10	10	0	25	25	--

5. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
1.Lentil	Rabi 2019-20	Irrigated	Sandy loam	105	18.75	25	Rice	26-10-19	2-4-20	207.5	16
2.Chickpea	Rabi 2019-20	Irrigated	Sandy loam	120	17.50	190	Rice	10-11-19	8-4-20	206.3	16
3.Mungbean	Summer-2020	Irrigated	Sandy loam	115	19.80	210	Wheat	4-4-20	15-6-20	357.3	21
4. Arhar	Kharif -2020	Irrigated	Sandy loam	--	--	--	Wheat	6-6-20	12-11-20	690.8	2923

6. (A) Technical Feedback on the demonstrated technologies

Crop	Feed Back
1.Lentil	LL-931 variety produced higher yield i.e. its more no. of pods and branches.
2.Chickpea	Demonstrated variety performance better as compare to local because its more branches and pods.
3.Mungbean	Demonstrated variety performance better as compare to local because its more branches and pods.
4. Arhar	Crop failed due to weather condition which is not favourable for Arhar crop. Heavy rainfall a the time of sowing (43.5, 16.8 & 40.4 mm). Unfavourable temperature during Pod formation and maturity stage.

1. (B) Farmers' reactions on specific technologies

Crop	Feed Back
1.Lentil	Farmers are satisfied with demonstrated technology.
2.Chickpea	Farmers are satisfied with demonstrated technology
3.Mungbean	Farmers are satisfied with demonstrated technology
4. Arhar	Farmers were interested for Arhar crop which sown earlier by their parents but due to unfavourable weather condition crop failed.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				
	➢ Chickpea (Kalpi & Sambhalkha) ➢ Lentil (Paplotha) ➢ Mungbean (Sabga) ➢ Arhar (Ghasitpur)	5	17 & 18.3.20 17.3.20 6.6.20 8.10.20	80 35 30 22	
2	Farmers Training				
	➢ Crop Diversification in Rice-wheat ➢ Integrated Crop Management in Kharif Pulses (KVK)	2	11-14 March,19 5-8 June,20	70 20	
3	Media coverage				
	65 din me tayar hone wali moong ki advnce kism ke bare me kiya jagruk (Amar Ujala)	1	30.5.20	--	--

III. FLD on Other Crops

1) 1.Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	Varietal Evaluation	Wheat variety HD-2967	Rabi 19-20	6	6	0	12	12	--
2	Wheat	Varietal Evaluation	Wheat variety Unnat PBW-343	Rabi 19-20	4	4	0	10	10	--
3	Wheat	Varietal Evaluation	Wheat variety DBW -90	Rabi 19-20	4	4	0	10	10	--
4	Wheat (IIWBR)	Varietal Evaluation & Farm machinery	Improved variety (HD-3086) & field preparation technologies & method of operation	Rabi 19-20	4.8	4.8	0	9	9	--
5	Paddy	Soil & Water testing	Balanced Fertilizer application in Paddy	Kharif -20	4	4	0	10	10	--
6	Wheat	Soil & Water testing	Balanced Fertilizer application in Wheat	Rabi 19-20	4	6	15	0	15	
7	Wheat	Integrated Disease Management	Management of Yellow rust in Wheat	Rabi 19-20	4	4	2	8	10	
8	Sunflower	Integrated Pest Management	Control of Head borer in Sunflower	Rabi 19-20	4	4	0	10	10	

1. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
1.Wheat (HD-2967)	Rabi 19-20	Irrigated	Sandy loam	108	20.10	210	Wheat	25- 28 Oct.-2019	18-20 April,20	213.1	17
2.Wheat (Unnat PBW-343	Rabi 19-20	Irrigated	Loamy Sand	115	19.40	205	Paddy	4-7 Nov.2019	18-24 April,20	218.6	18
3.Wheat (DBW-90)	Rabi 19-20	Irrigated	Loamy sand	110	17.80	165	Paddy	6-10 Dec.2019	10-22 April,20	166.3	16
4.Wheat (IIWBR)	Rabi 19-20	Irrigated	Loam	118	18.30	170	Paddy	25-31 Oct. 2019	20-4-20	213.1	17
5.Paddy (Soil & Water testing)	Kharif -20	Irrigated	Sandy	120	19.00	150	Wheat	20-25 June,2020	18-23 Oct.20	626.7	23
6.Wheat (Soil & Water testing)	Rabi 19-20	Irrigated	Sandy	120	18.00	135	Paddy	5-10 Nov. 2019	28-4-20	252.0	20
7.Wheat (IDM)	Rabi 19-20	Irrigated	Sandy	--	--	--	Paddy	6-10 Nov. 2019	22-4-20	218.6	18
8. Sunflower (IPM)	Rabi 19-20	Irrigated	Sandy	--	--	--	Wheat	10-15 Feb. 2020	26-5-2020	154.6	14

3. (A) Technical Feedback on the demonstrated technologies

Crop	Feed Back
1.Wheat (HD-2967)	Farmers were satisfied with HD-2967 which perform better than Farmer Practice variety resulted obtain more yield.
2.Wheat (Unnat PBW-343)	Newly released high yield variety perform better than Farmer Practice variety resulted obtain more yield.
3.Wheat (DBW-90)	Late sowing variety perform better than Farmer Practice using normal sown variety resulted obtained more yield.
4.Wheat (IIWBR)	Technology was very good, farmer accepted which performance better.
5.Paddy (Soil & Water testing)	Though the cost of cultivation was higher in demonstration, but due to 12.13% higher yield in demonstration therefore the net return & BCR was higher in demonstrated technology.
6.Wheat (Soil & Water testing)	The yield of wheat was increased by 18.90% in the demonstrated technology and the net return & BCR was Rs. 92070/- & 4.05 in demonstration as compared to Rs. 68720/- & 2.97 in farmer practice.
7.Wheat (IDM)	Farmers was satisfied through adoption of this technology regarding to minimize the Yellow rust disease incidence by applying the timely spraying of recommended Fungicide- Tilt.
8.Sunflower (IPM)	Farmers was satisfied regarding this timely application technology of Head borer control practices of spraying of Quinalphos insecticide at initial stage of occurrence.

3 (B) Farmers' reactions on specific technologies

Crop	Feed Back
1.Wheat (HD-2967)	The farmers were happy with higher yield in demonstrated variety.
2.Wheat (Unnat PBW-343)	The farmers were happy with higher yield in demonstrated variety.
3.Wheat (DBW-90)	were satisfied with the demonstrated technology and they are agreeing to adopt this technology in future.
4.Wheat (IIWBR)	Farmers were satisfied with the demonstrated technology.
5.Paddy (Soil & Water testing)	Farmers were happy, as the number of tiller were higher and they harvested the higher yield
6.Wheat (Soil & Water testing)	Farmers reported that balanced fertilizer application result and timely maturity of crop and they were happy by higher yield.
7.Wheat (IDM)	100% satisfaction after adopted this technology at timely action
8.Sunflower (IPM)	100% satisfaction after adopted this technology at timely action

Extension and Training activities under FLD

Sl.No.	Activity	Activities (No.)	Date	Participants	Remarks
1	Field days	2	--	70	--
	➢ Wheat (Adhoyi & Paplotha)	2	16 & 17.3.20	70	--
2	Farmers Training			39	--
	➢ Balanced application of fertilizer in Rabi crops ➢ Soil testing based fertilizer application in Paddy ➢ Organic farmig (KVK) ➢	4	19-21 Dec.19 23-7-20 19-23 Oct. 20 13-23 March,20	15 27 24	--
3.	Media coverage i.22 Kisano ne paida ki 100 qtl. Organic genhu (Dainik Jagaran) ii.Pistal shooting ke sath organic kheti ke gur shikha rhe Abhishek (Amar Ujala) iii.Organic khad bechkar prati varsh 6 lakh tak kama rahe yuva kisan Sahil (Amar ujala)	3	30.4.20 30.5.20 18-8-20	--	--
1	Farmers Scientist Interaction (Sadapur & Pilkhani) & Exposure visit (Paplotha & Sambhalkha)	1 & 2	25.7.20 & Mar.20	14 & 25	--

2) FLD on Vegetable crops (Horticultural Crops)

i. Vegetable Crops

Sl. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Onion	Integrated Crop Management	Improved variety of Onion (NHRDF- Red)	Rabi 2019-20	4	4	0	10	10	--
2	Potato	Integrated Crop Management	Integrated Crop Management on Potato	Rabi 2019-20	4	4	0	10	10	--
3	Tomato	Integrated Crop Management	Integrated Crop Management on Tomato	Rabi 2019-20	4	4	0	10	10	--

2. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
1.Onion	Rabi 2019-20	Irrigated	Loam	118	17.40	198	Paddy/Potato	25-10-19 to 30-10-19	20-25 April,20	213.1	17
2.Potato	Rabi 2019-20	Irrigated	Loam	107	21.50	220	Paddy	25-10-19 to 30-10-19	22-1-20 to 15-2-20	134.9	10
3.Tomato	Rabi 2019-20	Irrigated	Loam	190	22.40	215	Paddy	9-8-19 to 12-8-19	20-2-20	437.9	24

1. (A) Technical Feedback on the demonstrated technologies

Crop	Feed Back
1.Onion	Farmers are satisfied with demonstrated technology.
2.Potato	Timely and application of recommended dose of Fungicide (Mancozeb 1.5 kg/ha) & Herbicide (Pendamethalin5 lit. /ha) control the early & late blight of Potato and control the weeds which increase the yield of Potato.
3.Tomato	Farmers are satisfied with demonstrated technology

(B) Farmers' reactions on specific technologies

Crops	Feed Back
1.Onion	Farmers are satisfied with demonstrated technology.
2.Potato	Farmers are satified with demonstrated technology for control of blight & weeds.
3.Potato (IDM)	Farmers are satisfied with demonstrated technology.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field Day				
	--	--	--		
2	Farmers Training	5	--	77	--
	➢ Practicing Farmers i.Integrated Crop Management in Tomato ii.Management of early and late blight of Potato ➢ Rural Youth i.Assistant Gardener ➢ Inservice I.Role of Kitchen garden in human diet	2 1 1	 1-4 Oct. 20 9-12 Jan.20 17-2-20 to 12-3-20 17-9-20	 15 14 12 20 30	--
3	Media coverage				
	Kabad se uthaye chai ke gilaso me uga diye sabjio ke 500 paudhde (Amar Ujala)		12-5-20		--

ii. 1.Fruit Crops :

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
--	--	--	--	--	--	--	--	--	--	--

2. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
--	--	--							--	--	--

3.(A) Technical Feedback on the demonstrated technologies

Crop	Feed Back
--	--

3. (B) Farmers' reactions on specific technologies

Crop	Feed Back
--	--

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Farmers Training				
	--	--	--	--	--

3. 1.FLD on Commercial crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
--	--	--	--	--	--	-	--	--	--	--

2. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
--	--	--	--	--	--	--	--	--	--	--	--

3. (A) Technical Feedback on the demonstrated technologies

Crops	Feed Back
--	--

3. (B) Farmers' reactions on specific technologies

Crops	Feed Back
--	--

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Farmers Training	--	--	--	----
2	Media coverage	--	--	--	--
3	Training for extension functionaries	--	--	--	--

4. 1. Fodder crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Napier Grass	Feed & Fodder	Demo.of high yielding fodder grass (Napier grass)	2019	0.5	0.5	2	22	24	--

2. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Napier Grass	2019	--	--	--	--	--	--	--	--	--	--

3(A) Technical Feedback on the demonstrated technologies

Crops	Feed Back
Napier Grass	

3. (B) Farmers' reactions on specific technologies

Crops	Feed Back

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	--			
2	Farmers Training	--			
3	Media Coverage	--			

Performance of Frontline demonstrations

1. Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Mustard	Integrated Crop Management	-Improved variety of Mustard (Pusa Tarak) -Crop production techniques	Pusa Tarak	125	50	18	10.5	15.62	12.375	26.22	19925	69118	49193	3.46	18520	54759	36239	2.96

2. Frontline demonstration on pulse crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Lentil	Varietal Evaluation	Improved variety of Lentil (LL-931)	LL-931	25	10	18.75	10.0	12.435	9.27	34.14	18200	59688	41488	3.27	15000	44496	29496	2.97
Chickpea	Integrated Crop Management	-Improved variety of Chickpea (GNG-2144) & crop production techniques	GNG-2144	50	20	18.5	9.5	12.94	8.75	47.88	22300	63082	40782	2.83	19200	42656	23456	2.22
Mungbean	Integrated Crop Management	Improved variety of Mungbean M.H.421) & crop production techniques	MH-421	50	20	10	4	7	4.5	55.5	17200	49350	32150	2.86	15600	31726	16125	2.03
Arhar	Integrated Crop Management	Improved variety of Arhar AL-882 & crop production technique	AL-882	25	10	--	90% Crop	Failed	--	--	--	--	--	--	--	--	--	--

3. FLD on Other crops

1. Cereals

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Wheat	Varietal Evaluation	Wheat variety HD-2967	12	4.8	55.0	47.5	50.62	43.75	15.70	--	--	28750	97443	68693	3.39	32850	84218	51368	2.56
Wheat	Varietal Evaluation	Wheat variety Unnat PBW-343	10	4	55.0	42.5	48.3	41.25	17.09	--	--	30500	92977	62477	3.04	30500	79406	48906	2.60
Wheat	Varietal Evaluation	Wheat variety DBW -90	10	4	47.5	37.5	42.20	33.90	24.5	--	--	30500	81235	50735	2.66	30500	65257	34757	2.14
Wheat (IIWBR)	Varietal Evaluation & Farm machinery	Improved variety i.HPBW-01 &Rotavator ii.HD-3226 & Zero drill iii.HPBW-01 & Zero Drill iv.HD-3226 & Rotavator	9	4.8	56.25	46.25	 45.00 54.25 49.5 46.56	--	--	--	--	 32850 28750 28750 32850	 86625 104431.25 95287.5 89628	 53775 75681.25 66537.50 56778	 2.64 3.63 3.31 2.73	--	--	--	--
Paddy	Soil & Water testing	Balanced Fertilizer application in Paddy	10	4	81.25	72.5	76.25	68.0	12.13	Plant height (117.50 cm) No. of tiller m^2(285)	Plant height (119.00 cm) No. of tiller m^2 (240)	37900	143960	106060	3.80	34600	128385	93785	3.70

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Wheat	Soil & Water testing	Balanced Fertilizer application in Wheat	15	6	60	48.5	54.40	45.75	18.90	Plant height (cm) 101.50 No. of tiller /m^2- 415	Plant height (cm) 102.50 No. of tiller /m^2- 378	30150	122220	92070	4.05	34850	103570	68720	2.97
Wheat	Integrated Disease Manage-ment	Management of Yellow rust in Wheat	10	4	50.5	40	43.9	40.0	9.75	Incidence of Disease (%) 8	Incidence of Disease (%) 13	33000	84507	51507	2.56	35500	77000	41500	2.17
Sun-flower	Integrated Pest Manage-ment	Control of Head borer in Sunflower	10	4	21	17	19	17	11.76	Infestation of Head Borer (7)	Infestation of Head Borer (16)	52250	107350	55100	2.05	54000	96050	42050	1.77

2. Horticultural Crops

i. Vegetable Crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Onion	Integrated Cr Management	Improved variety of Onion (NHRDF-Red)	10	4.0	240	180	221.75	180.0	23.19	Bulb diameter (cm) 5.52	Bulb diameter (cm) 4.72	65000	177400	112400	2.73	62500	144000	81500	2.30
Potato	Integrated Crop Management	Integrated Crop Management on Potato	10	4.0	250	212.5	235.75	210	12.26	Weight (gm) 185	Weight (gm) 160	50000	188600	138600	3.77	48000	168000	120000	3.50
Tomato	Integrated Crop Management	Integrated Crop Management on Tomato	10	4.0	400	305	357.75	305.0	17.29	No.of fruits/plant 22	No.of fruits/plant 17	62500	286200	223700	4.57	60000	244000	184000	4.06

ii. Fruit Crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

3. Commercial Crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

4. Fodder Crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Milk Yield (lit/day) in lean period				% Change in Yield	Other Parameters		Economics of demonstration (Rs./day)				Economics of check (Rs./day)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Fodder Crops																			
Napier Grass	Feed & Fodder	Demo.of high yielding fodder grass (Napier grass)	24	0.5	27.2	21.4	27.2	25.4	7.1	--	--	360	1088	728	3.02	410	1016	606	2.48

5. FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Ani/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle	Disease Management	California Mastitis Kit for Mastitis management	30	30 Dairy Cattle (HF)	I. Incidence of Mastitis managed - R.A. II. Milk yield /lactation -R.A.	I.Incidence of Mastitis managed - R.A. II.Milk yield /lactation -R.A.	R.A.	R.A.	R.A.	R.A.	R.A.	R.A.	R.A.	R.A.	R.A.	R.A.	R.A.

Extension and Training activities under FLD on Livestock

Sl.No.	Activity	No. of activities	Date	Number of participants	Remarks
1	Farmers Training	3			
	➢ Rural Youth i. Animal Health Worker Ii Commercial Dairy Farming	 1 1	 7-8-20 to 20-9-20 21-10-20 to 10-11-20	 20 27	 -- --
2	Media coverage	7			
	I. Har maah bech rha 50 kilo organic desi ghee aur 1800 liter dudh (Amar Ujala) II. Tejaniya me karobar chhodkar yha base aur kheti me navintam taknik apna youvao ke liye bne misal (Dainik Bhaskar) III. Pashuo me khurpaka-munhpaka se bachane ka tika lagvaye (Punjab Kesri IV. Pashu rog upchar ke pashupalko ko diye tips (Amar Ujala)		13-5-20 27-6-20 23-6-20 3-10-20		-- -- --
3	Extension Activities				
i	Exposure visits I. Dairy Unit, Mandor ( ) II. LUVAS institute (Uchani) ( ) III. Dairy unit Mandore (5.11.20) IV. Dairy Unit, Sapeda	4		19 25 25 25	
ii	Method demonstration Azolla CMT Kit for mastitis management Azolla & Silage making Azolla Vermi Compost	6	 17-9-20 30-9-20 30-9-20 28-10-20 28-10-20	 10 12 20 20 27	

6. FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common carps	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Feed Management	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

7. FLD on Other Enterprises

Category	Thematic area	Name of the technology demon-strated	No. of Farmer	No.of Units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Button Mushroom																	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Apiculture																	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Maize Sheller																	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Value Addition																	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vermi Compost																	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

8. FLD on Women Empowerment

9. FLD on Other Enterprise : Kitchen Gardenng

Category and Crop	Name of technology	No. of demonstrations	Name of observations	Demonstration	Economics & Feedback
Kitchen gardening -Tomato Cauliflower -Palak -Coriander -Bringal -Ghia,Tori -Cucurbits -Potato	Kitchen gardening with improved seed & techniques	130	**a)Technical Observation :** Gain in knowledge (%) **b)Farmer reaction :** Skill acquisition (Adoption%) **c)Family Health & nutritional status** (Interview & Visual observation)	Kitchen gardening for improved nutritional status of family	a)100% adoption of technology b) 80% Budget saving (approx.Rs.2400-3000/yr./Unit size -50m^2) c)Improved nutritional status & family health

Extension and Training activities under FLD on Women Empowerment

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	**Training**	**6**	**--**	**207**	**--**
	➢ Farm Women	2			--
	i. Household food security by kitchen gardening and nutrition gardening		6-9 March,20	35	
	ii. Role of Kitchen garden for improvement of family health & Nutrition		5-8 Sep.20	45	
	➢ Rural Youth	1			
	i.Value addition		1-8 March,20	22	
	➢ Inservice Training	3			
	i. Importance of Kitchen gardening		5-3-20	33	
	ii. Kitchen garden for sustainable livelihood		5-8- Sep.20	22	
	iii. Nutrition gardening		17-9-20	50	
2	**Media coverage**	**5**			
	i.Antrrastriya Mahila Diwas par karyakaram (Aaj Samaj 9-3-20)		9-3-20		
	ii.Chote udham sathapit krne ko kiya Jagruk (Amar Ujala 9-3-20)		9-3-20		
	iii.Khali jagah ko diya grih vatika ka swaroop (Amar Ujala 12-3-20)		12-3-20		
	iv.Kabad se uthaye chai ke gilaso me uga diye sabjio ke 500 paudhe(Amar Ujala)		12-5-20		
	iv.Krishi Vigyan Kendra, Tepla Poshan diwas ka aayoja (17-9-20)		17-9-20		
	v.Parivar me mahilao ki h ahm bhumika : Seema (Aaj samaj 18-9-20)		18-9-20		
	Extension Activities				
	Method Demo	3			
	i.Value addition		7-3-20	30	
	ii.Use of organic insecticide in the Kitchen Garden		--	16	
	iii.Poshan Thali		17-9-20	216	
	Exhibition	2			
	i.International Women Day		8-3-20	82	
	ii.Kisan Mela		6-11-20	427	
	Celebration of Improtant Days	3			
	i.International Women Day		8-3-20	82	
	ii.Nutrition Month		Sep.20	649	
	iii.Mahila Kisan Diwas		15-10-20	30	
	Farm Advisory Services	250	Jan-Dec.20	650	

9.FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sow-ing	Weed ing	Total	Land preparation	Labour	Irrigation	Total
Happy Seeder	Wheat (H.D.2967) (Rabi 2019-20)	Happy Seeder for Wheat Sowing	12	4.8	-Field capacity (ha/hr)	0.15	0.40	11	0.90	--	0.20	1.10	3000	1500	300	4800
					-Yield (q/ha)	55.50	50.0									
					-Net Return (Rs./ha)	96090	77075									
					-BCR	4.34	3.25									

Name of the implement	Crop	Technology demonstrated	No. of Farmer	No.of Units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Crop Residue Management (Machinery)	Wheat (H.D.2967) (Rabi 2019-20)	Crop Residue Mnagement on Wheat Crop	100	100	52.75	50.98	3.47	--	--	29813	101542	71729	3.41	36250	98130	61880	2.71

3.(A) Technical Feedback on the demonstrated technologies :

Name of Implement	Feed Back
1.Happy Seeder	The cost of cultivation was less and the yield was 11% higher therefore the net return was also higher Rs. 96090/- in demonstration as compared to 77075 in farmers practice.
2.CRM	In the adopted villages KVK demonstrated the In-situ CRM machinery i.e. Happy Seeder,Zero tillage, Chopper and there by farmers were sown the wheat crop without burning of Crop Residue of Paddy

3. (B) Farmers' reactions on specific technologies

Name of Implement	
1.Happy Seeder	The farmers were happy by sowing the wheat without burning the residue and also without field preparation
2.CRM	Farmers were satisfied with the use of In-situ CRM machinery and they suggested that fitment of Super S.M.S.make mandatary during combine harvesting of Paddy.

Extension and Training activities under FLD on Farm Machinery

Sl.No.	Activity	No. of activities	Date	Participants	Remarks
1	Field days	--	--	--	--
2	Farmers Training	5		115	--
	➢ Practising farmers i.In-situ Crop Residue Management ➢ Rural Youth i.In-situ Crop Residue Management through Agricultural mechanization	2	 16-20 March,20 9-14 Sep. 2019	 26 25	-- -- -- --
3	Media coverage	10			--
	i.Urja Daksh Pampset par kisano ke liye prashikshan karyakaram (K.A.) ii.Sapeda gaon pesh kar raha parali nahi jalane ki misal (Amar Ujala iii.krishi vigyan kendra me Kisan Mela ka aayojan (Ambala Coverage iv. krishi vigyan kendra me Kisan Mela ka aayojan (Ambala Coverage) v. krishi vigyan kendra me Kisan Mela ka aayojan (Ambala Coverage) vi. krishi vigyan kendra me Kisan Mela ka aayojan (Dainik Bhaskar) vii. krishi vigyan kendra me Vishal Kisan Mela ka aayojan (Aaj Samaj) viii.Tepla me kisan mele me happy seeder, paddy straw chopper aadi ke liye kiya pradarshit (Amar Ujala) ix.Aalo ki fasal ke avshesh ko mitti me milakar gunvata badha rha punjab (Bhaskar) x.Kisan Mela me javik kheti ki aadhunik takniqe (Amar ujala)	1 1 1 1 1 1 1 1 1 1 1	24-2-20 to 1-3-20 2-10-20) 3-11-20) 4-11-20 5-11-20 4-11-20 7-11-20 7-11-20 7-11-20 7-11-20	--	
	Any other	16			
	i.**Awareness programme on Crop Residue Management** ii. Sanitization of harvesting equipments safety measures during lock down iii.Soil campaign (18-23 May,20) Saha iv. Block level Awarness on CRM (Sapeda) v. Block level Awareness on CRM (Kaserla) vi. District level Awareness on CRM (KVK) vii.Village level Awareness on CRM (Sapeda)		 13 & 16 April,20 18-23 May,20 28-8-20 31-8-20 17-9-20 26-9-20 14-10-20	100 10 12 350 216 100 100 125	

	viii.Village level Awareness on CRM (Samlehri) ix. Block level Awareness on CRM (Dhankor) x. Block level Awareness on CRM (Dheen) xi. Block Level (Ghazouli) xii. Village (Jawahargarh) xiii.Village level (Gheldi) xiv. Awareness (IFFCO) xv. Village level Awareness Programme (Haldari) xvi.Village level Awareness programme on CRM (Tepla)		19-10-20 5-10-20 8-10-20 23-10-20 24-10-20 29-10-20 21-11-20 13-12-20	100 100 54 65 100 70 100 140	
	Method Demo R.M.B.Plough and Chopper for Sugarcane trash management (Dhurala & Samlehri) Zero tillage sowing of Summer moong Zero tillage sowing of Summer moong Sugarcane planting techniques Sugarcane planting techniques DSR Drill (28.5.20 (Sapeda,Holi etc.) DSR (29.6.20) Saha block CRM (10 No.) Oct.20 CRM (14 No.) Nov.20		28-1-20 -- -- -- --	14 14 10 6 9 7 87 44 157	

10. FLD on Demonstration details on Crop hybrids (*Details of Hybrid FLDs implemented during 2020*)

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop													
	--	--	--	--	--	--	--	--	--	--	--	--	--
Pulse crop													
	--	--	--	--	--	--	--	--	--	--	--	--	--
Cereal crop													
	--	--	--	--	--	--	--	--	--	--	--	--	--
Vegetable													
	--	--	--	--	--	--	--	--	--	--	--	--	--
Fruit crop													
	--	--	--	--	--	--	--	--	--	--	--	--	--
Other (specify)													
	--	--	--	--	--	--	--	--	--	--	--	--	--

IV. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	34	0	34	6	0	6	40	0	40
Soil & water conservatioin	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**2**	**34**	**0**	**34**	**6**	**0**	**6**	**40**	**0**	**40**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops	2	29	0	29	0	0	0	29	0	29
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)	**2**	**29**	**0**	**29**	**0**	**0**	**0**	**29**	**0**	**29**
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
e) Tuber crops										
Production and Management technology	1	12	0	12	0	0	0	12	0	12
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	**1**	**12**	**0**	**12**	**0**	**0**	**0**	**12**	**0**	**12**
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
g) Medicinal and Aromatic Plants										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GT (a-g)	**3**	**41**	**0**	**41**	**0**	**0**	**0**	**41**	**0**	**41**
III Soil Health and Fertility Management										
Soil fertility management	0	0	0	0	0	0	0	0	0	0
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	1	0	18	18	0	5	5	0	23	23
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed & fodder technology	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Total	**1**	**0**	**18**	**18**	**0**	**5**	**5**	**0**	**23**	**23**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	0	16	16	0	64	64	0	80	80
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0
Women empowerment	1	0	10	10	0	28	28	0	38	38
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**0**	**26**	**26**	**0**	**92**	**92**	**0**	**118**	**118**
VI Agril. Engineering										
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery	1	101	4	105	2	0	2	103	4	107

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
and implements										
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**1**	**101**	**4**	**105**	**2**	**0**	**2**	**103**	**4**	**107**
VII Plant Protection										
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VIII Fisheries										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
X Capacity Building and Group Dynamics										
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL	**10**	**176**	**48**	**224**	**8**	**97**	**105**	**184**	**145**	**329**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
plants/orchards										
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	**0**	**0**	**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	0	0
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers	1	15	0	15	0	0	0	15	0	15
Soil and Water Testing	1	15	0	15	5	0	5	20	0	20
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**2**	**30**	**0**	**30**	**5**	**0**	**5**	**35**	**0**	**35**
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed & fodder technology	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
V Home Science/Women empowerment										
Household food security by kitchen	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
gardening and nutrition gardening										
Design and development of low/minimum cost diet	1	0	8	8	0	32	32	0	40	40
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0
Women empowerment	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**1**	**0**	**8**	**8**	**0**	**32**	**32**	**0**	**40**	**40**
VI Agril. Engineering										
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	4	77	0	77	23	0	23	100	0	100
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**77**	**0**	**77**	**23**	**0**	**23**	**100**	**0**	**100**
VII Plant Protection										
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total										
VIII Fisheries										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
X Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL	**7**	**107**	**8**	**115**	**28**	**32**	**60**	**135**	**40**	**175**

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	34	0	34	6	0	6	40	0	40
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**2**	**34**	**0**	**34**	**6**	**0**	**6**	**40**	**0**	**40**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	2	29	0	29	0	0	0	29	0	29
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)	**2**	**29**	**0**	**29**	**0**	**0**	**0**	**29**	**0**	**29**
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
e) Tuber crops										
Production and Management technology	1	12	0	12	0	0	0	12	0	12
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	**1**	**12**	**0**	**12**	**0**	**0**	**0**	**12**	**0**	**12**
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
technology and value addition										
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GT (a-g)	**3**	**41**	**0**	**41**	**0**	**0**	**0**	**41**	**0**	**41**
III Soil Health and Fertility Management										
Soil fertility management	0	0	0	0	0	0	0	0	0	0
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers	1	15	0	15	0	0	0	15	0	15
Soil and Water Testing	1	15	0	15	5	0	5	20	0	20
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**2**	**20**	**0**	**20**	**5**	**0**	**5**	**35**	**0**	**35**
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	1	0	18	18	0	5	5	0	23	23
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed & fodder technology	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**1**	**0**	**18**	**18**	**0**	**5**	**5**	**0**	**23**	**23**
V Home Science/Women empowerment										
Household food security by kitchen gardening and	2	0	16	16	0	64	64	0	80	80

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
nutrition gardening										
Design and development of low/minimum cost diet	1	0	8	8	0	32	32	0	40	40
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0
Women empowerment	1	0	10	10	0	28	28	0	38	38
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**4**	**0**	**34**	**34**	**0**	**124**	**124**	**0**	**158**	**158**
VI Agril. Engineering										
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	4	178	4	182	25	0	25	203	4	207
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**4**	**178**	**4**	**182**	**25**	**0**	**25**	**203**	**4**	**207**

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
VII Plant Protection										
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management										
Bio-control of pests and diseases	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total										
VIII Fisheries										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
X Capacity Building and Group Dynamics										
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL (On + Off)	17	283	56	339	36	129	165	319	185	504

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	**1**	19	0	19	1	0	1	20	0	20
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	**1**	23	1	24	0	0	0	23	1	24
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0
Mushroom Production	**3**	52	2	54	34	1	35	68	3	89
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	1	0	0	0	15	0	15	15	0	15
Value addition	**1**	0	7	7	0	15	15	0	22	22
Small scale processing	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Dairying	**1**	22	3	25	2	0	2	24	3	27
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0
Piggery	**1**	27	0	27	3	0	3	30	0	30
Rabbit farming	0	0	0	0	0	0	0	0	0	0
Poultry production	**1**	27	0	27	3	0	3	30	0	30
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Any other (Animal Health Worker)	**1**	14	1	15	1	4	5	15	5	20
TOTAL	11	184	14	198	59	20	79	225	34	277

Training for Rural Youths including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Planting material production	1	3	0	3	34	0	34	37	0	37
Vermi-culture	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts										
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Any other										
TOTAL	**1**	**3**	**0**	**3**	**34**	**0**	**34**	**37**	**0**	**37**

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	**1**	19	0	19	1	0	1	20	0	20
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	**1**	23	1	24	0	0	0	23	1	24
Planting material production	1	3	0	3	34	0	34	37	0	37
Vermi-culture	0	0	0	0	0	0	0	0	0	0
Mushroom Production	**3**	52	2	54	34	1	35	86	3	89
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	1	0	0	0	15	0	15	15	0	15
Value addition	**1**	0	7	7	0	15	15	0	22	22
Small scale processing	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching										
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Dairying	**1**	22	3	25	2	0	2	24	3	27
Sheep and goat rearing										
Quail farming	0	0	0	0	0	0	0	0	0	0
Piggery	**1**	27	0	27	3	0	3	30	0	30
Rabbit farming										
Poultry production	**1**	0	0	0	30	0	30	30	0	30
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Any other (Animal Health Worker)	**1**	14	1	15	1	4	5	15	5	20
TOTAL	**12**	**160**	**14**	**174**	**120**	**20**	**140**	**280**	**34**	**314**

Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	3	0	78	78	0	27	27	0	105	105
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**3**	**0**	**78**	**78**	**0**	**27**	**27**	**0**	**105**	**105**

Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	3	0	78	78	0	27	27	0	105	105
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**3**	**0**	**78**	**78**	**0**	**27**	**27**	**0**	**105**	**105**

Table. Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops	0	0	0	0	0	0	0	0	0	0
Commercial production of vegetables	0	0	0	0	0	0	0	0	0	0
Production and value addition										
Fruit Plants	0	0	0	0	0	0	0	0	0	0
Ornamental plants	0	0	0	0	0	0	0	0	0	0
Spices crops	0	0	0	0	0	0	0	0	0	0
Soil health and fertility management	0	0	0	0	0	0	0	0	0	0
Production of Inputs at site	0	0	0	0	0	0	0	0	0	0
Methods of protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (Assistant Gardner)	1	19	0	19	1	0	1	20	0	20
Total	**1**	**19**	**0**	**19**	**1**	**0**	**1**	**20**	**0**	**20**
Post harvest technology and value addition										
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total										
Farm machinery										
Farm machinery, tools and implements	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Animal Disease Management	0	0	0	0	0	0	0	0	0	0
Fisheries Nutrition	0	0	0	0	0	0	0	0	0	0
Fisheries Management	0	0	0	0	0	0	0	0	0	0
Others (Animal Health Worker)	1	14	1	15	1	4	5	5	5	20
Total	**1**	**14**	**1**	**15**	**1**	**4**	**5**	**15**	**5**	**20**
Home Science										

Household nutritional security	0	0	0	0	0	0	0	0	0	0
Economic empowerment of women										
Drudgery reduction of women	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total										
GRAND TOTAL	**2**	**33**	**1**	**34**	**2**	**4**	**6**	**35**	**5**	**40**

Name of sponsoring agencies involved : ASCI, Gurugram

Details of vocational training programmes carried out by KVKs for rural youth

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	1	3	0	3	34	0	34	37	0	37
Commercial vegetable production	0	0	0	0	0	0	0	0	0	0
Integrated crop management	0	0	0	0	0	0	0	0	0	0
Organic farming	1	23	1	24	0	0	0	23	1	24
Others ()	0	0	0	0	0	0	0	0	0	0
Total	**2**	**26**	**1**	**27**	**34**	**0**	**34**	**60**	**1**	**61**
Post harvest technology and value addition										
Value addition	1	0	7	7	0	15	15	0	22	22
Others	0	0	0	0	0	0	0	0	0	0
Total	**1**	**0**	**7**	**7**	**0**	**15**	**15**	**0**	**22**	**22**
Livestock and fisheries										
Dairy farming	1	22	3	25	2	0	2	24	3	27
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
Piggery	1	27	0	27	3	0	3	30	0	30
Poultry farming	1	27	0	27	3	0	3	30	0	30
Others (pl. specify)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**3**	**76**	**3**	**79**	**8**	**0**	**8**	**84**	**4**	**87**
Income generation activities										
Vermicomposting	0	0	0	0	0	0	0	0	0	0
Production of bio-agents, bio-pesticides,	0	0	0	0	0	0	0	0	0	0
bio-fertilizers etc.	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery	3	50	0	50	15	0	15	65	0	65
and implements	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Mushroom cultivation	3	52	2	54	34	1	35	64	2	66
Nursery, grafting etc.	0	0	0	0	0	0	0	0	0	0
Tailoring, stitching, embroidery, dying etc.	0	0	0	0	0	0	0	0	0	0
Agril. para-workers, para-vet training	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total	**6**	**102**	**2**	**104**	**49**	**1**	**50**	**151**	**3**	**154**
Agricultural Extension										
Capacity building and group dynamics	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Others (pl. specify)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Grand Total	**12**	**204**	**13**	**217**	**91**	**16**	**107**	**295**	**29**	**324**

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (January-December, 2020)	**792**	**6089**	**6**	**6095**
Diagnostic visits (January-December, 2020)	**139**	**1026**	**0**	**12**
Field Day	**9**	**252**	**45**	**297**
i.Musard (13.2.20) Gadauli	1	20	5	25
ii.Mustard (15.2.20) Kapuri	1	30	5	35
iii.Wheat –PKVY (16.3.20) Adhoyi	1	30	5	35
iv.Wheat (17.3.20) Paplotha	1	30	5	35
v.Chickpea (17.3.20) Kalpi	1	40	5	45
vi.Chickpea (18.3.20) Sambhalkha	1	30	5	35
vii. Lentil (17.3.20) Paplotha	1	30	5	35
viii. Mungbean (6.6.20) Sabga	1	25	5	30
ix.Arhar (8.10.20) Ghasitpur	1	17	5	22
Group discussions /Scientist & farmers interaction	**10**	**220**	**31**	**251**
i.DHO programme Turmeric (27-2-20)	1	78	10	88
ii.Farmer scientist interaction (16.04.2020) Phulelmajra	1	34	2	36
iii.Web meeting (Feed & Fodder Mgt.) 22.5.20	1	18	4	22
iv.Review meeting on ARYA : Poultry(22.6.20) Akbarpur	1	15	2	17
v.Vermi compost (25.7.20)Ratanheri	1	10	3	13
vi.Consumer producer of Organic produce (25.7.20)	1	11	2	13
Chudiali	1	12	2	14
vii.Rice & Sugarcane (25.7.20) Sadakpur & Pilkhani	1	20	2	22
viii.Vermi compost (28.7.20) Garnala	1	10	2	12
ix.Mushroom (24.7.20) Mullana	1	12	2	14
x.Fruit plants (27.7.20) Ghasitpur				
Kisan Ghosthi	**10**	**464**	**25**	**489**
i.Farmers Meet (19 June,20) Sapeda,Khudda	1	25	6	31
ii.FPO (27 July,20) Ghasitpur	1	12	5	17
iii.Livestock (30 Sep.20) KVK	1	07	1	8
iv.Awareness Farmers Act (Oct-Dec.20) KVK	6	390	11	401
v.Disease management in Cattle (11.11.20) KVK	1	30	2	32
Film Show (Jan-Dec. 2020)	**7**	**253**	**16**	**269**
i.Value Addition (8.3.20) KVK	2	82	8	90
ii.Mushroom Production (3)	3	119	6	225
iii.Animal Health Worker	1	20	1	21
iv.Dairy farming	1	32	1	33
Self- help Groups				
Kisan Mela (6.11.20) KVK	**1**	**610**	**10**	**620**
Exhibition	**3**	**725**	**30**	**755**
i.International Women Day (8.3.20) KVK	1	82	8	90
ii.Kisan Mela (6.11.20) KVK	1	427	15	442
iii.Nutrition Month (Sep.20) KVK	1	216	7	223
Scientists' visit to farmers field	**5394**	**5394**	**6**	**5400**
Plant/ Animal health camps	**0**	**0**	**0**	**0**
Farm Science Club (17.1.20) IFFCO	**1**	**40**	**6**	**46**
Ex-trainees Sammelan	**1**	**16**	**3**	**19**
Animal Health Worker (12.11.20) KVK	1	16	3	19
Farmers' seminar/workshop	**0**	**0**	**0**	**0**
Method Demonstrations	**49**	**880**	**55**	**935**

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
i.R.M.B.Plough and Chopper for Sugarcane trash management (28.1.20) Dhurala & Samlehri	2	12	2	14
ii. Value addition (2.3.20)	1	30	2	32
iii.Kitchen gardening (7.3.20)	1	30	2	32
iv.Craft items (Pedilite) (7.3.20)	1	22	1	23
v.Zero tillage sowing of Summer moong	1	14	1	15
vi.Zero tillage sowing of Summer moong	1	10	1	11
vii.Sugarcane planting techniques	1	6	1	7
viii.Sugarcane planting techniques	1	9	2	11
ix.Use of organic insecticide in the Kitchen Garden	1	7	5	12
x.DSR Drill (28.5.20 (Sapeda,Holi etc.)	1	5	2	7
xi.DSR (29.6.20) Saha block	1	3	1	4
xii.Kharif Onion (6.8.20)	1	15	1	16
xiii.Azolla ( )	1	10	1	11
xiv.Castraction ( )	1	13	2	15
xv.CMT Kit for mastitis management(17.9.20	1	12	2	14
xvi.Azolla & Silage making (17.9.20)	1	12	3	15
xvii.Azolla to Horse rearing (30.9.20)	1	20	1	21
xviii.Bellar (Ex-situ) 30.9.20 (Ghasitpur)	1	20	2	22
xix.Poshan Thali (17.9.20) KVK	1	216	7	223
xx.Compost preparation ( ) KVK	1	87	1	88
xxi.Compost making (4.10.20) KVK	1	44	1	45
xxii.Azolla (28.10.20) KVK	1	27	1	28
xxiii.Vermi Compost(28.10.20) KVK	1	27	1	28
xxiv.Feed block making (EX-situ project) (29.10.20)	1	27	2	29
xxv.CRM (Oct.20) KVK & Various villages	10	115	5	120
xxvi.CRM (Nov.20) KVK & Various villages	14	87	5	92
Celebration of important days	**13**	**1293**	**99**	**1392**
i.International Women Day (8.3.20)	1	82	8	90
ii.International Yoga Day (21.6.20)	1	13	5	18
iii.World Environment Day (5.6.20)	1	7	5	12
iv.Online attended ICAR Foundation Day (16.7.20)	1	0	7	7
v. Parthenium Week (16-22 August,2020)	1	17	6	23
vi.Independence Day (15-8-2020)	1	8	9	17
vii.Poshan Maah (Sept.2020)	1	649	9	658
viii.Swachhta Shivir (Gandhi Jayanti) 26 Sep.-2 Oct.2020)	1	416	6	422
ix.Mahatma Gandhi Jayant(2.10.20)	1	31	6	37
x.Mahila Kisan Diwas (15.10.20)	1	30	6	36
xi.World Food Day (16.10.20)	1	14	6	20
xii.Vigilance Week (27.10.20 to 2.11.20)	1	26	6	32
xiii.Constitution Day (26.11.20)	1	0	20	20
Special day celebration	**--**	**--**	**--**	**--**
Exposure visits	**26**	**506**	**23**	**529**
i. NDRI, Karnal	1	15	1	16
v.Organic farming (Wheat) Gurbachan Singh Farm,Adhoyi, Sambhalkha, Paplotha	1	132	10	142
ix.Mushroom Unit, Bihta (26.9.20)	1	18	2	20
x. Mushroom Unit, Kharukhera(27.9.20)	1	19	2	21
xi.Dairy Unit, Mandor ( )	5	25	1	26
xii. LUVAS institute (Uchani) ( )	1	25	1	26
xiii. CPDO,Chandigarh ( )	1	25	1	26
xiv. Dairy unit Mandore (5.11.20)	1	35	1	36

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
xv. Dairy Unit, Sapeda	1	32	1	33
xvi.CRM (Alipur, Hamidpur, Gadauli, Haldari, Chajjan	1	30	1	31
Majra, Ahmadpur, Gheldi, Budangpur)	12	150	2	152
Others (pl. specify)				
Awareness Camps /Campaign	**17**	**1540**	**70**	**1710**
i. Crop Residue Management (March,2020)	1	100	6	106
ii. Sanitization of harvesting equipments safety measures during lock down (13 ,2020)	1	10	2	112
iii. Sanitization of harvesting equipments safety measures during lock down (16 April, 20)	1	7	1	8
iv. Sanitization of harvesting equipments safety measures during lock down (16 April, 20)	1	3	1	4
vi. Soil campaign (18-23 May,20) Saha	1	15	3	18
vii. Collaboration with DDA on CRM (28.8.20) Sapeda)	1	125	2	127
viii. Collaboration with DDA on CRM 31.8.20 (Kaserla)	1	250	3	253
viii.District level on CRM (17.9.20)KVK	1	216	7	223
ix. Village level on CRM (26.9.20) Sapeda	1	100	4	104
x. Village level on CRM (Samlehri) 14.10.20	1	100	5	105
xi. Block level on CRM (Dhankor) 19.10.20	1	125	5	130
xii. Block level on CRM (Dheen) 5.10.20	1	100	5	105
xiii. Block Level on CRm (Ghazouli) 8.10.20	1	100	5	105
xiv. Village on CRM (Jawahargarh) 23.10.20	1	54	6	60
xv. Village level on CRM (Gheldi) 24.10.20	1	65	5	70
xvi. Awareness on CRM (IFFCO) 29.10.20	1	100	5	105
xvii.Village level on CRM (21.11.20) Haldari	1	70	5	75
Swachhta Pakwada (16-31 December, 2020)	**1**	**320**	**14**	**334**
Inauguration of Ex-situ Project (9.11.20)	**1**	**30**	**13**	**43**
Meeting on Ex-situ Project (30.9.20)	**1**	**25**	**9**	**34**
Meeting with GM NABARD (26.10.20)	**1**	**0**	**5**	**5**
Meeting on Ex-situ Project (18.10.20)	**1**	**0**	**11**	**11**
Survey (NEMA)Broj Kudeena (24.6.20)	**1**	**0**	**5**	**5**
Livetelecast of global Potato Conclave	**1**	**25**	**3**	**3**
Survey (NEMA Project) Panchkula (30.31 January & 1 Feb.2020)	**3**	**16**	**4**	**20**
Ex-situ team visited (1.2.20)	**1**	**10**	**6**	**16**
Exposure visits at KVK	**19**	**304**	**21**	**325**
Extension Literature distributed (Jan-Dec.2020)	**35**	**2121**	**16**	**2137**
Lectures delivered ((Jan-Dec.2020)	**42**	**3090**	**80**	**3170**
Total	**254**	**25249**	**612**	**25861**

Details of other Extension programmes	
Particulars	**Number**
Electronic Media (CD./DVD) 1. Kisan Mela 2. Covid- 19 (7) 3. Nursery-2 4. Mushroom-3	13
Extension Literature i. Paramprik kheti ki upyogita (Sh. Rajendra Kumar Singh) ii.Identification of weed and their control in Wheat crop (Sh. Rajendra K.Singh) iii.Pashuon me kitrim garbhadhan ka mahtv (Dr. Naveen Saini) iv.Hare sone ki khan,Azolla ek vardan (Dr. Naveen Saini) v. Munhpaka, khurpaka evm galghontu rogo ke tikakaran ka mahtav (Dr. Naveen Saini)	5
Press Release	28
i.Gaon Gadauli me tilhani fasal sarson par prakshetar diwas ka hua aayojan (krishak Aaradhna 12-29 Feb.20) ii.Urja Daksh Pampset par kisano ke liye prashikshan karyakaram (Krishak Aaradhna 24-2-20 to 1-3-20) iii.Antrrastriya Mahila Diwas par karyakaram (Aaj Samaj 9-3-20) iv. Chote udham sathapit krne ko kiya Jagruk (Amar Ujala 9-3-20) v.Gharo me rahne me hi h hum sabki bhalai (Dainik Jagran 30-4-20) vi.22 Kisano ne paida ki 100 qtl. Organic genhu (Dainik Jagaran 30-4-20) vii..Khali jagah ko diya grih vatika ka swaroop (Amar Ujala 12-3-20) viii.Kabad se uthaye chai ke gilaso me uga diye sabjio ke 500 paudhde (Amar Ujala-12-5-20) ix.Har maah bech rha 50 kilo organic desi ghee aur 1800 liter dudh (Amar Ujala 13-5-20) x. Pistal shooting ke sath organic kheti ke gur shikha rhe Abhishek (Amar Ujala 30-5-20) xi.65 din me tayar hone wali moong ki advnce kism ke bare me kiya jagruk (Amar Ujala 30-5-20) xii.Muhkhur ke chapet me shukar, Haryana ke padhu visheshgyo ne jari kiya alert (Amar Ujala 25-6-20) xiii. Tejaniya me karobar chhodkar yha base aur kheti me navintam taknik apna youvao ke liye bne misal (Dainik Bhaskar 27-6-20)	

xiv.Pashuo me khurpaka-munhpaka se bachane ka tika lagvaye (Punjab Kesri 23-6-20) xv.Organic khad bechkar prati varsh 6 lakh tak kama rahe yuva kisan Sahil (Amar ujala 18-8-20) xvi..Krishi Vigyan Kendra ke hui online anusuchit yojna ki baithak (Dainik Jagran 1-10-20) xvii.Sapeda gaon pesh kar raha parali nahi jalane ki misal (Amar Ujala 2-10-20) xviii.Pashu rog upchar ke pashupalko ko diye tips (Amar Ujala 3-10-20) xix. Krishi Vigyan Kendra, Tepla Poshan diwas ka aayoja (17-9-20) xx. Parivar me mahilao ki h ahm bhumika : Seema (Aaj samaj 18-9-20) xxi.krishi vigyan kendra me Kisan Mela ka aayojan (Ambala Coverage 3-11-20) xxii. krishi vigyan kendra me Kisan Mela ka aayojan (Ambala Coverage 4-11-20) xxiii. krishi vigyan kendra me Kisan Mela ka aayojan (Ambala Coverage 5-11-20) xxiv. krishi vigyan kendra me Kisan Mela ka aayojan (Dainik Bhaskar 4-11-20) xxv. krishi vigyan kendra me Vishal Kisan Mela ka aayojan (Aaj Samaj 7-11-20) xxvi.Tepla me kisan mele me happy seeder, paddy straw chopper aadi ke liye kiya pradarshit (Amar Ujala 7-11-20) xxvii.Aalo ki fasal ke avshesh ko mitti me milakar gunvata badha rha punjab (Dainik Bhaskar 7-11-20) xxviii.Kisan Mela me javik kheti ki aadhunik takniqe (Amar ujala 7-11-20) xxix. KVK tepla me anusuchit yojna ke antrgat aayojit kiya murgi palan par prashikshan (K.A. 8-12-20)	
Popular articles	**0**
Radio Talks	**0**
T.V.Talks **i.** TV talk (3.1.20) CRM (DD Kisan Kardhan,Rachheri,KVK	**1**
Animal health camps (Number of animals treated)	**0**
Others (pl. specify)	
Total	**47**

Name of KVK	Message Type	Type of Messages						
		Crop	**Livestock**	**Weather**	**Marke-ting**	**Aware-ness**	**Other enterprise**	**Total**
Krishi Vigyan Kendra, Ambala	Text only	513	64	0	0	18	35	630
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	513	64	0	0	18	35	630
	Total farmers Benefitted							**62674**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
1 (15-9-20 to 21-9-20)	Gosthies	2	218	1. Rabi Crops 2. Women empowerment
	Lectures organised	10	328	I. Scientific cultivation of Pulse crops II. Nutri garden, Bio-fortified varieties and Nutri Thali for nutri security III. Organic Farming IV. Crop Residue Management V. Insect & Disease Management in Kitchen garden VI. Doubling Farmers Income VII. Importance of Mushroom in daily life viii.Livestock Management ix.Self- employment through Mushrom farming x.Lay-out plan of Kitchen garden
	Exhibition	1	150	Nutrti Thali
	Film show	5	216	Value Addition, Mushroom farming, Kitchen garden, Crop Residue Management, Poultry farming
	Fair	--	--	--
	Farm Visit	1	150	Demonstration units of KVk
	Diagnostic Practicals	1	10	Plant Protection-Samples analysed
	Distribution of Literature (No.)	10	328	i.Fruit & Vegetable preservation ii.Crop Residue Management iii.Paramprik kheti ki upyogita iv.Identification of weed and their control in Wheat crop v.Pashuon me kitrim garbhadhan ka mahtv vi.Hare sone ki khan,Azolla ek vardan vii. Munhpaka, khurpaka evm galghontu rogo ke tikakaran ka mahtav viii.Mushroom Nirdeshika ix. Genhu me rogo ki roktham x. Vermi compost
	Distribution of Seed (q)	1	150	150 pkts. Kitchen garden kits (vegetables seeds)
	Distribution of Planting materials (No.)	2	150	100 Fruit plants (Lemon & Guava) 2200 Samplings (Brinjal, Cauliflower, Green Chilli & Tomato)
	Bio Product distribution (Kg)	--	--	
	Bio Fertilizers (q)	--	--	
	Distribution of fingerlings	--	--	
	Distribution of Livestock specimen (No.)	--	--	
	Total number of farmers visited the technology week	**30**	**1700**	Active participation of CDPO, Aangawanwadi workers, IFFCO, Agriculture Deptt, Rajiv Gandhi Govt.College, Saha & Progressive farmers farm women

VI.PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed(q)	Value (Rs)	Number of farmers
Cereals	Paddy	PB-126	--	14.90	59,600.00	34
		PB-1121	--	8.10	48,600.00	38
		PB-1718	--	6.50	39,000.00	39
	Wheat	HD-2967 (F) HD-2967 ©	--	74.40 10.80	2,04,600.00 32,400.00	6 32
		HD-3086 (F) HD-3086 ©	--	28.40 15.60	78,100.00 54,600.00	22 22
		DBW-90	--	11.60	31,900.00	18
Oilseeds	--					
Pulses						
Commercial crops	--	--	--	--	--	--
Vegetables		--	--	--	--	--
Flower crops	--	--	--	--	--	--
Spices	--	--	--	--	--	--
Fodder crop seeds	--	--	--	--	--	--
Fiber crops	--	--	--	--	--	--
Forest Species	--	--	--	--	--	--
Others	--	--	--	--	--	--
Fruit crops	--	--	--	--	--	--
Total	--	--	--	**170.30**	**5,48,800.00**	**211**

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial	--	--	--	--	--	--
Vegetable seedlings	--	--	--	--	--	--
Fruits	Mango	Dasheri,Langra	--	112	16,800.00	2
	Lemon	Baramasi	--	243	7,290.00	1
Ornamental plants	--	--	--	--	--	--
Medicinal and Aromatic	--	--	--	--	--	--
Plantation	--	--	--	--	--	--
Spices	--	--	--	--	--	--
Tuber	--	--	--	--	--	--
Fodder crop saplings	--	--	--	--	--	--
Forest Species	Poplar	G-48	--	1982	22,950.00	2
Others	--	--	--	--	--	--
Total				**2337**	**47,040.00**	**5**

Nutrition garden /Kitchen garden

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Seasonal Vegetables	--		--	--	2459	10

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermi Compost	5900	17700.00	Used at KVK farm
Bio-pesticide	--	--	--	--
Bio-fungicide	--	--	--	--
Bio Agents	--	--	--	--
Others				
Mushroom	Mushroom (Button)	104	8320.00	30
Total				

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows	--	--	--	--
Buffaloes	--	--	--	--
Calves	--	--	--	--
Others (Pl. specify)	--	--	--	--
Poultry				
Broilers	--	--	--	--
Layers	--	--	--	--
Duals (broiler and layer)	--	--	--	--
Japanese Quail	--	--	--	--
Turkey	--	--	--	--
Emu	--	--	--	--
Ducks	--	--	--	--
Others (Chicks)	Chhabro	957	95,700.00	78
Piggery				
Piglet	Large White Yorkshire	64	1,76,200.00	11
Others (Pl.specify)				
Fisheries				
Indian carp	--			
Exotic carp	--			
Others (Pl. specify)	--			
Total	--	**1021**	**2,71,900**	**89**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)	No. of soil health cards distributed
Soil	**195**	**195**	**39**	--	**245**
Water	--	--	--	--	--
Plant	**130**	**130**	**64**	--	--
Manure	--	--	--	--	--
Any other	--	--	--	--	--
Total	**325**	**325**	**103**	--	**245**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
Krishi Vigyan Kendra,Ambala	25-9-2020	32

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Krishi Vigyan Patrika	--

X. PUBLICATIONS

Category	Number
i. Research Paper **1.** To evaluate the Bio-efficacy of Botanical Leaf Extracts against *Fusarium oxysporum* f.sp.ciceri Causing Wil in Chickpea under in-vitro condition (Vikram D.Singh, Shyam Singh, Sumit Chhiber, Dhirendra Singh and Bhushan Kewte : International Journal of Current Microbiology and Applied Sciences (Vol. 9 Number 7 (2020) **2.** *In-vitro* Effect Evaluation of Botanicals against *Sclerotinia sclerotiorum* (Lib.) De Bary, Caused Stem Rot Disease in Rapeseed-Mustard (Bhushan Kewate, Dhirendra Sigh, Vikram D.Singh, Neeraj Pal Malik & Ramesh Kumar : International Journal of Current Microbiology and Applied Sciences (Vol. 9 Number 8 (2020) 3.Cropping system productivity is interconnected : Hybrid rice is an important chain in Ambala (Rajendra K. Singh, Ajay Kumar, Vikramjeet Singh, Guru Prem, Kapil Atri, Sachin Sharma and Upasana Singh) New Frontiers in Agricultural Extension- Volume II. International Maize and Wheat improvement Center (CIIMMYT). Pp 550	3
ii. Abstract	
iii. Popular Articles	
iv. Technical bulletins	--
v.Technical reports I. MPR (Jan-Dec.20) II. QPR (Jan-Mar.-Oct-Dec.20) III. DFI (Jan-Dec.20) IV. IEC activities (CRM) V. APR (Jan-Dec.2019) VI. Wheat (IIWBR) VII. Training on Promote Energy Efficient Agricultural Pumpsets VIII. International Women Day IX. Nutri garden X. E-book information XI. Arogya setu app (2)	39

Category	Number
XII. Information on KVK activities during lockdown(2) XIII. CFLD (Mustard), CFLD(Lentil) & CFLD(Chickpea XIV. Cluster Demo on Organic Farming XV. Nano Trials XVI. Action Plan (CRM) XVII. Targets achieved (April to June 2020) in Ist Quarter (2020-21) XVIII. SCSP (Quarterly report) Jan-March,2019 XIX. List of Activities pertaining to Livestock & Dairy sector in routine course under KVK XX. Area expended of Mustard under CFLD XXI. ARYA Progress Report XXII. Report of Virtual consultation on aquaculture development (under PMMSY) XXIII. Consolidated Report of Swachh Bharat Abhiyan XXIV. Initiation of action on proceedings of High Level Monitoring Committee meeting of CRM project XXV. status of Kharif CFLDs on oilseeds & Pulses under NFSM XXVI. Gandhi Jayanti XXVII. NARI XVIII. Mera Pani meri virasat XXIX. SAC Proceedings XXX. Third Party Evaluation XXXI. Project Proposal (Value Addition) XXXII. Constitution Day (26.11.2020) XXXIII. Poshan Maah XXXIV. Gandhi Jayanti XXXV. Nutrition Intervention XXXVI. Swachhta Pakhwada (15)	
Others (pl. specify)	
vi. Manual (CRM)	1
vii. Leaflets/Folders i. Paramprik kheti ki upyogita (Sh. Rajendra Kumar Singh) ii.Identification of weed and their control in Wheat crop (Sh. Rajendra K.Singh) iii.Pashuon me kitrim garbhadhan ka mahtv (Dr. Naveen Saini) iv.Hare sone ki khan,Azolla ek vardan (Dr. Naveen Saini) v. Munhpaka, khurpaka evm galghontu rogo ke tikakaran ka mahtav (Dr. Naveen Saini)	5
viii.Poster	0
ix. Wall & Board Writings (Crop Residue Management)	
T-shirts, mask (CRM Slogan) 650 No.	1

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted : No				
No. of Training programmes	**No. of Demonstration s**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**
--	--	--	--	--

XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties : No

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
--	--	--	--
Total			

Major area coverage under alternate crops/varieties : No

Crops	Area (ha)	Number of beneficiaries
Oilseeds	--	--
Pulses	--	--
Cereals	--	--
Vegetable crops	--	--
Tuber crops	--	--
Total	--	--

Farmers-scientists interaction on livestock management : No

Livestock components	Number of interactions	No.of participants
--	--	--
Total	--	--

Animal health camps organised

Number of camps	No.of animals	No.of farmers
--	--	--
Total	--	--

Seed distribution in drought hit states : No

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
--	--	--	--
Total	--	--	--

Large scale adoption of resource conservation technologies : Yes

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Crop Residue Management		
--	--	--
Total	--	--

Awareness campaign : No

	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**	**No.**	**No.of farmers**
--	--	--	--	--	--	--	--	--	--	--	--	--
Total												

XIII. DETAILS ON HRD ACTIVITIES

A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
--	--	--	--	--
Total	--	--	--	--

B. HRD activities organized in identified areas for KVK staff by other department

Title of the training programmes	No of programmes	No. of Participants *	No. of KVKs involved
Workshop - Low Volume High Value Crops and Integrated farming, NABARD Haryana Regional Office,Chandigarh (16.1.20) attended by Dr.Naveen Saini, SMS (Animal Science)	1	1	1
TOT (Animal Health Worker) from 13-15 Feb.2020 at ATARI,Kanpur attended by Dr.Naveen Saini,SMS (Ani.Sci.) KVK,Ambala	1	1	1
National Conference of KVKs from 28-2-2020 to 1-3-2020 attended by Dr.Upasana Singh, Senior Scientist & Head,KVK,Ambala	1	1	1
Participated in Quiz by BASU,Patna (11.5.20) online by Dr.Naveen Saini,SMS (Ani.Sci.)	1	1	1
Webinar organized by IIHR,Bangalore on Webinar on topic "Recent technologies in horticulture: 12.5.2020 attended by Dr.Upasana Singh,Senior Scientist & Head and Dr.Amit Kumar, SMS (Hort.)	1	2	1
Review workshop on ARYA (16.6.2020) Progress presented by Dr.Upasana Singh, Senior Scientist & Head and attended by all scientists	1	6	1
Judge Department of Higher education, Govt. of Haryana On-Line International Seminar on Handling Mental Health and Psychological -Resilience during COVID Pandemic attended as Panellist for judgement of Posters contributed by delegates by Dr.Upasana Singh, Senior Scientist & Head ( )	1	1	1
APR presentation in Online Annual Zonal Review Workshop of KVKs during 17-19th July, 2020 by Dr.Upasana Singh, Senior Scientist & Head and attended by KVK team	1	6	1
Participation in web based International Training on "Automation and Robotics in Agriculture" from July 22-31 July,2020 organised by PAU,Ludhiana under ICAR-NAHEP-CAAST by Er.Guru Prem, SMS (SWM)	1	1	1
Participation in National Webinar on Entrepreneurship option from 19-20 July,2020 by Er.Guru Prem, SMS (SWM)	1	1	1
Organic Farming Training attended by Sh.Rajendra Kr.singh, SMS (Agro) organised by National Center of Organic,Ghajiabad (11-17 August,2020)	1	1	1
Webinar attended by Sh.Rajendra Kr.singh, SMS (Agro) organised by DAMU	1	1	1
Meeting organised from KVK, Anta attended by Er.Guru Prem,SMS (SWM), Sh.Vikram Dhirendra Singh, SMS (Plant Protection) and Sh.Rajendra Kumar Singh, SMS (Agronomy) of KVK,Ambala	1	3	1

Title of the training programmes	No of programmes	No. of Participants *	No. of KVKs involved
Inauguration of academic and administrative building of Rani Lakshmi Bai Central Agriculture University, Jhansi-Live Webcast attended by KVK Team & 15 farmers on 29-8-2020	1	6	1
Virtual consultation Event-3 on 'Fostering Freshwater Aquaculture Technology Dissemination through KVK Network on 27-8-2020	1	1	1
Webinar on Kisan Rath on 26.08.2020 for the Haryana State conducted by NIC attended by KVK team	1	6	1
Webinar on Hydroponic organised on 21.8.2020	1	2	1
Webinar on Bio Waste Management by Dr.JBS Dhabas Dr.Upasana Singh,Senior Scientist & Head and Sh.Rajendra Kumar Singh, SMS (Agronomy) alongwith Organic farmers (21.8.2020)	1	2	1
Interactive meet with AFUS/DAMUs under GKMS in Punjab and Haryana (21.8.20) attended by Sh.Rajendra Kumar Singh, SMS (Agronomy)	1	1	1
Participation in Webinar on “Protected Cultivation of Rose” held on 25.8.2020 (HTI,Karnal)	1	1	1
Live Telecast PM AtamNirbhar & PM Kisan Samman Nidhi Yojna on 9.8.2020 attended by KVK Staff and farmers (15) by ICAR,New Delhi	1	6	1
Foudation Laying for various academic (9.9.20) facilities online attended by KVK team	1	6	1
National Webinar on Role of Balanced Nutrition in mitigatng malnutrition on 26.9.2020 organised by ATARI,Ludhiana attended by Dr.Upasana singh, Senior Scientist & Head and Dr.Amit Kumar, SMS (Hort.)	1	2	1
SCSP Online Annual Review Meeting’ of TSP& SCSP on 28.09.2020 attended by Dr.Naveen Saini,SMS (Ani.Sci.) & Sh.Dhirendra Singh, P.A.(PP	1	2	1
EX-situ Crop Residue Management meeting with ADG attended by Sh.Rajendra & Dr.Naveen Saini (24.9.20) attended by Dr.Naveen Saini,SMS (Ani.sci.)	1	1	1
Innauguration cerenomy RLBLAU,Jhansi (1.9.20) attended by KVK team	1	6	1
Innauguration ceremony of Central University ,Samstipur ,Bihar (10.9.20) attended by KVK team	1	6	1
Webinar on Natural farming organised by NITI Ayog (29-30 Sep.2020)	1	2	1
Webinar on Farm App organised by ICAR (30.9.2020) attended by Er.Guru Prem	1	1	1
Virtual Sensitization meeting on various programme & Innovative ATARI (18.9.20) by KVK team	1	6	1
Seed processing & meeting with Seed industries (2.9.20) attended by Sh.Rajendra Singh,SMS (Ani.Sci.)	1	2	1
Webinar on FPO organised by VAMICOM,Pune (6.9.20) attended by Sh.Rajendra Singh, SMS (Agronomy	1	1	1
Zoom Meeting on Gandhi Jayanti on 2nd October,2020 attended by Dr.Upasana Singh,Senior Scientist & Head, Er.Guru Prem, SMS (SWM), Dr.V.D.Singh,SMS (Plant Protection, Dr.Naveen Saini, SMS (Animal Science), Dr.Rajendra Kr.Singh, SMS (Agronomy) organised by ATARI, Jodhpur	1	6	1
Interaction with KVKs by Hon'ble AM on 3rd October,2020 attened by KVK team	1	5	1

Title of the training programmes	No of programmes	No. of Participants *	No. of KVKs involved
Online workshop of All India Fodder Production Officers: Rabi on October 13-15, 2020 orgnaised by ICAR-Indian Grassland and Fodder Research Institute Jhansi	1	1	1
Outreach program for KVK farmers on Farmers on Farm Act by MoS on 7th October, 2020	1	6	1
Webinar on In-situ Crop Residue Management for Reducing Pollution held on 7.10.2020	1	1	1
Webinar on Sensitization on Agricultural Act-2020 on 12th Oct.2020 organised by Ministry of Agriculture,Govt.of India attended by KVK team	1	6	1
Virtaul Meet on Celebration of Mahila Kisan Diwas on 15th Oct.2020 and Success of Miss Amarjeet Kaur shown in this meet	1	6	1
Virtual Meet for Release of Commemorative Coin on Food & Agriculture Organisation (FAO) on 75th and World Food Day on 16th Oct.2020	1	6	1
AH Sensitization Workshop on 28.11.2020 attended by Dr.Naveen Saini, SMS (Ani.Sci.)	1	1	1
PM's Live Programme of Costitution Day on 26.11.20 attended by KVK team	1	6	1
Two days' virtual Workshop on Cluster Front Line Demonstrations on Pulses funded under NFSM during 23-24th Nov., 2020 attended by KVK team	1	2	1
Dalberg Herstory Problem Solving Workshop attended by Dr.Upasana Singh, Senior Scientist & Head, Er.Guru Prem, SMS (SWM) organised by Miss Anahita	1	2	1
District Advisory Committee on Youth programmes (28.10.20) with Hon'ble DC chairmanship and organised by NYK, Ambala & attended by Dr. Upasana Singh	1	1	1
Kisan Diwas (23.12.20)	1	6 (39 farmers	1
PM Kisan Samman Nidhi programme (25.12.20)	1	12 (757 Farmers)	1
India International Science Festival-2020 (22-25 Dec.2020) organised by	1	3 (2 farmers)	1
Virtual ARYA Review Meeting (30.12.20) presented by Dr.Upasana Singh & Attended by KVK team	1	6	1

***KVK staff involved**

XIV. CASE STUDIES

1. Success of Sh. Baljinder Singh : Crop Residue Management

Father's name	:	Sh. Baljinder Singh
Age of farmer (years)	:	47
Education	:	8th
Mailing address	:	Village Sapeda, Post Saha, Ambala(133104)
Contact Number	:	9466629383
Land Holding (in Acres)	:	12
Paddy area (in Acres	:	8

Experience of Farmer

Sh. Baljinder Singh farmer of village Sapeda has sown the wheat crop with happy seeder, provided by KVK-Ambala under CRM project. This eco-friendly technology enable the farmer in timely sowing of wheat with happy seeder by mulching it over the surface. This has been proven beneficial in various ways as follows:

- Earlier he used to burn the paddy residue for wheat sowing. But now he had not burn the residue of paddy rather than he retained it on the surface by using happy seeder. The paddy was exclusively harvested with Super S.M.S. fitted combine harvester.
- Though the wheat yield in happy seeder (22.0 qtl/acre) was at par with the conventional sowing (21.5 qtl/acre), while cost of cultivation was Rs. 3000 per acre less in happy seeder than in conventional sowing, therefore the benefit cost ratio was higher i.e. 3.55 in happy seeder as compared to 2.75 in conventional sowing.
- Less weeds especially gullidanda (phalaris minor) in happy seeder sown wheat.
- The fertilizer requirement may be reduced in future due to improvement in soil health.
- The irrigation water saving was 25 percent due to residue mulch conserves the soil moisture.

Performance of wheat crop sown with happy seeder (2018-19)

Area under wheat sown with happy seeder (Acre)	Average yield of wheat (q/ha)	Average cost of cultivation (Rs./acre)	No. of Irrigation saved
4	22.0	11400	2

2. Success of Sh. Ghola Singh : Crop Residue Management

Father's name	:	Sh. Ram Singh
Age of farmer (years)	:	50
Education	:	8th pass
Mailing address	:	Village Sapeda, Post Saha Ambala(133104)
Contact Number	:	9416429334,
Land Holding (in Acres)	:	30
Paddy area (in Acres	:	20

Experience of Farmer

Sh. Ghola Singh, the farmer of village Sapeda has sown the wheat crop with happy seeder, first time through front line demonstration conducted by KVK-Ambala during 2011-12. But when he visited the BISA farm at Ludhiana during exposure visit. Then he convinced to sow wheat on his all area with happy seeder. Now he has purchased the happy seeder by establishing the custom hiring centre. During the early crop growth period, the crop was attacked by aphid but by following the recommendation of KVK, it was controlled. He also emerged as a role model and created awareness among the other farmers about the ill effects of residue burning and benefits of wheat sowing with CRM techniques. This has been proven beneficial in various ways as follows:

- Earlier he used to burn the paddy residue for wheat sowing. But now he had not burn the residue of paddy rather than he retained it on the surface by using happy seeder. The paddy was exclusively harvested with Super S.M.S. fitted combine harvester.
- Though the wheat yield in happy seeder (22.0 qtl/acre) was at par with the conventional sowing (22.0 qtl/acre), while cost of cultivation was Rs. 3000 per acre less in happy seeder than in conventional sowing, therefore the benefit cost ratio was higher i.e. 3.55 in happy seeder as compared to 2.81 in conventional sowing.
- Less weeds especially gullidanda (phalaris minor) in happy seeder sown wheat.
- The fertilizer requirement may be reduced in future due to improvement in soil health.
- The irrigation water saving was 25 percent due to residue mulch conserves the soil moisture.

Performance of wheat crop sown with happy seeder (2018-19)

Area under wheat sown with happy seeder (Acre)	Average yield of wheat (q/ha)	Average cost of cultivation (Rs./acre)	No. of Irrigation saved
20	22.0	11400	2

3. Success story of Amaerjeet Kaur : IFS- A gateway of success for Farm woman

<table>
<tr><td colspan="3">  </td><td>Profile</td><td>Description</td></tr>
<tr><td>Name</td><td>:</td><td colspan="2">Amarjeet Kaur</td><td rowspan="9">Miss Amarjeet Kaur is a well known women farmer in Adhoyi village of Ambala district in Haryana and agriculture is the mainstay of her income to fulfill the basic requirement of her family. With the paralytic attack of her father in 2007, she has rendered all her day to agriculture farming by growing different crops on 8.5 acre land and getting milk from dairy animals. Before coming in contact with Extension functionaries of Agriculture Department and KVK team she was unable to get higher crop production. She is active, sincere and hard working woman and never thought that her involvement in agriculture work could transform her life.</td></tr>
<tr><td>Address</td><td>:</td><td colspan="2">Village Adhoyi,
Block Barara
District Ambala (Hry)</td></tr>
<tr><td>Mob.No.</td><td></td><td colspan="2">7015876379</td></tr>
<tr><td>Age</td><td>:</td><td colspan="2">32 years</td></tr>
<tr><td>Education</td><td>:</td><td colspan="2">Graduation</td></tr>
<tr><td>Landholding</td><td>:</td><td colspan="2">8.5 acres</td></tr>
<tr><td>Farming Exp.</td><td>:</td><td colspan="2">13 years</td></tr>
<tr><td colspan="4">Cropping Pattern
-Rice-Wheat-Moong
-Sugarcane+Onion-Ratoon
-Potato-Onion-Fodder
-Livestock : 2 Buffaloes
Use of Modern Machinery & Agri.Implements
-Submersible Tubewell,Tractor
-M.B.Plough,Disc Harrow (KVK)
-Happy Seeder,DSR (KVK)
Social Media :
uploaded on KVK portal
Website :
https://www.facebook.com/amarjitkaur.adhoi
You tube channel : lady farmer Amarjit kaur[Adhoi]
Awards : Village,Block & District level</td></tr>
</table>

Training & Technical support from KVK:

- Miss Amarjeet Kaur got trainings and advisory services from KVK team and experts from Agriculture department
- KVK supported her by providing technical guidance regarding RCT,Soil Testing,improved variety of seeds viz; Wheat, Chickpea, Mungbean, Mustard and invited her to participate in the trainings, Whatsapp groups, Krishak gosthis, Field visits, Exposure visits,Kisan Melas etc. on regular intervals.
- During last two years with technical guidance of KVK, she switched over to organic farming acting as a Role Model to other women farmers.

Achievements

- She used improved varieties and seed treatment followed by bio fertilizers and resource conservation technologies for getting high returns and reduced cost of cultivation
- Success in Integrated farming system with milk from dairy animals,Use of vermi Compost,Vermi wash in Crop production,Bamboo staking in cucurbit crops and growing of high yielding fodder varieties
- Cultivation of organic rice, wheat and vegetable crops also attribute to her success
- Keeping in view of water scarcity she switch over to Maize cultivation in replace of rice crop in some area

Economics

Engaged in agriculture and allied activities, she earned a net income of Rs. 6,46,000/-/annum

Table :

Crop /Enterprise	**Area (Acre)**	**Yield (qtl.)**	**Input Cost (Rs.)**	**Gross Return (Rs.)**	**Net Return (Rs.)**
Wheat	5 acre	110	62500	214500	152000
Rice		140	72500	238000	165500
Sugarcane	3 acre	1050	93000	357000	264000
Onion	0.5 acre	41.2	13750	49200	35450
Potato	0.5 acre	50.5	10500	20200	9700
Fodder (Chari)	0.5 acre	75.0	6000	18750	12750
Milk Production	2 Buffaloes	1350 liter	47000	54000	7000
Total					**6,46,400**

Now started organic farming (Wheat,Rice & vegetables)

Awards & Recognition in District :

- She is known as a progressive farm women & Master Trainer for farmers in the district
- Department used her competence to train other fellow farmers
- She received Awards at district level by Hon'ble Ministers, Hon'ble MLA (Ambala City) Sh.Aseem Goel, Agriculture Department,Krishi Vigyan Kendra,Ambala, Rotary Club and Prayas Sewa Sanasthan,Barara etc.

In view of changing climatic scenario and excess use of chemical fertilizers and pesticides in crops, she shifted to organic farming two years back and receiving technical guidance from KVK team under Parampragat Krishi Vikas Yojna of Govt. schemes and acting as Role Model for other farmers and farm women in Ambala district.

<table>
<tr><th colspan="2">PHOTOGRAPHS</th></tr>
<tr><td> 
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</td></tr>
<tr><td>Sharing success as Role Model</td><td>Awarded by KVK</td></tr>
<tr><td>  </td><td> 
</td></tr>
<tr><td>Field preparation for Paddy nursery raising</td><td>Sale of organic vegetables</td></tr>
<tr><td> 
</td><td> 
</td></tr>
<tr><td>Way to Sugarmill for sale of produce</td><td>Farm advisory services by KVK Team</td></tr>
</table>

Active participation in KVK Extension activities

District level awards


युवा किसान यूएसए से स्पेशल ऊलीगंट उधोई में आया मिलने, पिता बीमार, खुद केयूके से हासिल की मास्टर्स की डि

अमरजीत ने संभाली खेती, खुद गन्ना पहुंचाती शुगर मि

यूएसए से डेलीगे
आया मिलने


दैनिक भास्कर
31-Jan-2019
अम्बाला भास्कर Page 4
अम्बाला

प्रयास समाज सेवा संस्थान ने मेरी बेटी मेरा अभिमान अभियान के तहत जागरुकता रैली निकाली

बेटियों ने निकाली बेटी बचाओ बेटी पढ़ाओ रैली
अमरजीत कौर ने ट्रैक्टर चलाकर की अगुवाई


नारी शक्ति को सलाम

अमरजीत कौर
लेडी कार्गर
अंबाला

बड़े भाई की पढ़ाई ना छूटे इसलिए बहन ने थामा ट्रैक्टर का स्टीयरिंग


हौसले को सलाम
अमरजीत ने बदली खेती की सूरत

प्रगतिशील किसान महिलाओं ने सांझा किए विचार

महिला किसान दिवस के उपलक्ष्य में उपस्थित महिलाएं।

साहा, 15 अक्तूबर (चौटानी): डा. उपासना सिंह, वरिष्ठ वैज्ञानिक एवं प्रधान, कृषि विज्ञान केन्द्र, तेपला अम्बाला ने बताया कि महिला किसान दिवस, किसान महिलाओं को सम्मानित करने, उनके कार्य को सराहने एवं कृषि में उनके योगदान को बढ़ावा देने के लिए मनाया जा रहा है। इस दौरान आज कृषि विज्ञान केन्द्र, तेपला में प्रगतिशील किसान महिलाओं द्वारा अपने विचार सांझे किए गए जिनमें से अम्बाला जिले में अधोई गांव की किसान महिला अमरजीत कौर ने अपनी कहानी सुनाकर बताया कि उसने कैसे 10 एकड़ जमीन पर 2007 से जीरी, गन्ना, गेहूं, सरसों एवं सब्जियों की खेती करके कृषि कार्य को अपनाया हुआ है। उसने बताया कि महिलाओं को आज के समय में सक्षम बनना जरूरी है। घर के काम के साथ-साथ और भी कार्य करना चाहिए इसके लिए उनको स्वयं सक्षम बनना पड़ेगा।

आज पढ़ी-लिखी होने के साथ अपनी रोजगार शुरू करना भी समय की मांग है जिससे वह आगे बढ़ सकती है और समाज में नया परिवर्तन ला सकती हैं। कार्यक्रम में नारायणगढ़, साहा एवं शहजादपुर ब्लाक की 70 महिलाओं ने भाग लिया।

किसान दिवस का आयोजन किया

कार्यक्रम

- महिलाओं को आज के समय में सक्षम बनना जरूरी

आज समाज नेटवर्क

कृषि विज्ञान केन्द्र में महिला किसाव दिवस का आयोजन। आज समाज

अंबाला। कृषि विज्ञान केंद्र, तेपला अंबाला द्वारा महिला किसान दिवस का आयोजन किया गया। डा.उपासना सिंह, वरिष्ठ वैज्ञानिक एवं प्रधान कृषि विज्ञान केंद्र तेपला अंबाला ने बताया कि महिला किसान दिवस, किसान महिलाओं को सम्मानित करने, उनके कार्य को सराहने एवं कृषि में उनके योगदान को बढ़ावा देने के लिए मनाया जा रहा है। इस अवसर पर यहां कृषि विज्ञान केन्द्र, तेपला के परिसर में प्रगतिशील किसान महिलाओं द्वारा अपने विचार सांझे किए गए, जिनमें से अंबाला जिले में अधोई गांव की किसान महिला अमरजीत कौर ने अपनी कहानी सुनाकर बताया कि वह कैसे 10 एकड़ जमीन पर 2007 से जीरी, गन्ना, गेहूं, सरसों एवं सब्जियों की खेती करके कृषि कार्य को अपनाया हुआ है। उन्होंने बताया कि महिलाओं को आज के समय में सक्षम बनना जरूरी है। घर के काम के साथ साथ और भी कार्य करना चाहिए इसके लिए उनको स्वयं सक्षम बनना पड़ेगा। आज पढ़ी-लिखी होने के साथ अपनी रोजगार शुरू करना भी समय की मांग है जिससे वह आगे बढ़ सकती है और समाज में नया परिवर्तन ला सकती है।

पहल कृषि विज्ञान केंद्र तेपला में महिला किसान दिवस का आयोजन

महिलाओं को बनना होगा आत्मनिर्भर

जागरण संवाददाता, अंबाला: कृषि विज्ञान केंद्र तेपला में महिला किसान दिवस का आयोजन किया गया। इस दौरान महिलाओं को आत्मनिर्भर बनने के टिप्स दिए गए। यह कार्यक्रम वरिष्ठ वैज्ञानिक एवं प्रधान कृषि विज्ञान केंद्र तेपला अंबाला की देखरेख में आयोजित किया गया।

उन्होंने कहा कि महिला किसान दिवस, किसान महिलाओं को सम्मानित करने, उनके कार्य को सराहने एवं कृषि में उनके योगदान को बढ़ावा देने के लिए मनाया जा रहा है। उन्होंने महिलाओं का आह्वान किया कि घर की देखभाल के साथ-साथ वे आत्मनिर्भर भी बनें। प्रगतिशील किसान महिलाओं द्वारा अपने विचार सांझे किये गये।

अधोई गांव की किसान महिला अमरजीत कौर ने अपने अनुभव बताए।

कृषि विज्ञान केंद्र तेपला में महिला को सम्मानित करते आयोजक • जागरण

उन्होंने बताया कि महिलाओं को आज के समय में सक्षम बनना जरूरी है। घर के काम के साथ-साथ और भी कार्य करना चाहिए इसके लिए उनको स्वयं सक्षम बनना पड़ेगा। ताकि वह अपनी आवश्यकताओं की पूर्ति खुद कर सके और किसी के आगे उन्हें हाथ न फैलाना पड़े। कार्यक्रम में नाराणगढ़, साहा एवं शाहजादपुर ब्लाक की 70 महिलाओं ने भाग लिया। इस मौके पर डा.अमित कुमार, इंजीनियर गुरुप्रेम सहित कई अन्य मौजूद रहे।

प्रगतिशील किसान महिलाओं ने रखे विचार

अंबाला। कृषि विज्ञान केंद्र तेपला में महिला किसान दिवस का आयोजन किया गया। इस दौरान वरिष्ठ वैज्ञानिक व प्रधान डा. उपासना सिंह ने कहा कि महिला किसान दिवस किसान महिलाओं को सम्मानित करने व कृषि में उनके योगदान को बढ़ावा देने के लिए मनाया जा रहा है। इस दौरान प्रगतिशील किसान महिलाओं ने अपने विचार रखे। इस दौरान अंबाला जिले में अधोई गांव की किसान महिला अमरजीत कौर ने अपनी कहानी सुनाकर बताया कि वह 10 एकड़ जमीन पर 2007 से धान, गन्ना, गेहूं, सरसों एवं सब्जियों की खेती कर रही है। उन्होंने बताया कि महिलाओं को आज के समय में सक्षम बनना जरूरी है। घर के काम के साथ-साथ और भी कार्य करना चाहिए इसके लिए उनको स्वयं सक्षम बनना पड़ेगा। इस कार्यक्रम में नाराणगढ़, साहा एवं शाहजादपुर ब्लॉक की 70 महिलाओं ने भाग लिया। खानदानी विशेषज्ञ डा. अमित कुमार ने गृह वाटिका की रूपरेखा के बारे में प्रदर्शन किया एवं प्रशिक्षण दिया।

News paper coverage

4. Success Story of Farm Woman (Mrs.Kamla Devi)

Name of KVK : Krishi Vigyan Kendra, Ambala

Theme : Small Scale Income Generation

Title : Success Story of Mrs.Kamla Devi

Profile :

Name	**Kamla Devi**
Age	**32 Years**
Village, Block & District	**Chhajan majra, Block Naraingarh, Ambala**
Mob.No.	**9728262344**
Community	**SC**

Introduction :

Mrs. Kamla Devi is a progressive woman belongs to SC community from village Chhajanmajra and is dynamic group leaders of SHG named Sri Guru Ravidas. She is willing to start small enterprise to fulfill the basic requirement of her family. For this she approach KVK, Ambala team in 2017-18. With her energetic efforts & with knowledge upgradation from KVK she started small enterprises viz; Kitchen garden, Mushroom cultivation and Back-yard Poultry.

KVK intervention :

- Knowledge upgradation through various skill base training programmes
- Technical support for starting new enterprises viz. Kitchen garden, Mushroom cultivation and Back-yard Poultry.
- Active participation in Kisan Melas, Mahila Kisan Diwas, International Women Day and other KVK activities.

Output & Out come :

I. Mushroom Enterprise :

Input (Ist Season)	**(Rs.)**
I. Start up Cost	**Amount**
a)Infrastructure & Equipments	15,000
b) Recurring (FYM,Spawn and casing, Chemical etc.)	18,000
c) Depreciation 10% & interest 15% on Fixed Capital (4-6 months)	1,250
Total Recurring	**19,250**
II. Production & Income (700 bag) 2.0 kg./bag/season (200bagsX2.0 kg.)=400 kg. @ Rs.90/kg	362,00
Net Profit (Rs.36200-19250)	**= Rs.16750/-**

II. Poultry Enterprise

Economics (Rs.)	
I. Start up Cost	**Amount (Rs.)**
a)Infrastructure & Equipments	5,000
b) Recurring (Feed,Vaccine, Med. etc.)	1,000
c) Depreciation	500
Total Recurring	**1,500**
II. Production &Income (Egg @ Rs.12/-& Birds @ R.200/)	25,000/yr.
Net Profit (Rs. 25,000-1,500)	**= 23,500/-yr.**

Kitchen garden

- Rs. 1800-2400/ year from unit size - 50 m^2
- Improved nutritional status & family health
- 80% budget saving

Impact :

Smt. Kamla Devi became an inspiration and role model of self-employment through Mushroom cultivation & Poultry Farming for other women in her group, village and adjoining areas.

- Other farmers in her are now impressed with her success.
- She provided guidance and information to the farm women in her group & village and help them in many ways.
- She developed a doorstep marketing Chanel by which women could sell out their products from their home itself.
- Horizontal spread : 25-30 units (Mushroom, Poultry & Kitchen garden) established in nearby two villages
- Her vision is to expand her enterprises by improving the infrastructure and increase the size of units

XIII. STATUS OF REVOLVING FUNDs

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2018 to March 2019	49,61,275.93	22,57,651.00	17,60,979.00	54,57,947.93
April 2019 to March 2020	60,52,640.93	22,03,594.00	18,91,573.00	63,64,685.00
January-December,2020	60,67,132.93	18,73,591.00	19,09,153.00	60,31,570.93

Any other :

Delegates visited at KVK

1. Sh. Kultar Sigh Sandhwan, MLA, Kotkapura (Punjab) visited at KVK on 9-11-2020
2. Dr. Rajbir Singh, Director, ATARI, Zone-I, Ludhiana
3. Director, IARI, New Delhi on 9-11-2020
4. Additional DEE, PAU, Ludhiana on 14-12-2020
5. Head, Livestock, NDRI, Karnal pm 14-12-2020
6. GM ,RO,NABARD, Chandigarh and DDM Ambala visited on 26-10-2020

XIV. Others

(NARI , ARYA, In-situ Crop Residue Management, Ex-situ, SCSP Scheme, DFI, COVID-19)

Women Empowerment

I. NARI

India has a rich heritage of indigenous fruits & vegetables. They are not only rich in minerals & vitamins but also contribute in a big way in maintaining health, overcoming hunger & nutrition. Among rural community, their consumption is very low due to lack of purchasing power, ignorance & other factors including unavailability. Cultivation of these crops by gardening in systematic manner in small piece of land available in household is known as Nutrition garden. The Nutrition garden ensures access to healthy diet with adequate macro & micro nutrients at doorstop. For household food security, family health, sustainable livelihood & to link agriculture with nutrition, the scheme launched by Government on Nutri Sensitive Agricultural Research & Innovation (NARI) initiated by KVK,Ambala with the selection of four adopted villages (Cluster-I : Akbarpur, Phulelmajra & Cluster –II : Chajjalmajra & Ahmadpur) in two clusters & with the involvement of group of farm women, aanganwadies & school children.

Initiatives undertaken :

- Survey & interaction with farm families to assess socio economic & nutritional status of family through prepared Interview schedule
- Assessed the availability of land for the establishment of Nutrition gardens
- Knowledge & skill upgradation by training, method demonstrations & the establishment of Nutrition gardens with improved seed and layout plan
- Enhancement of Nutritive value of food through prepared training schedule (Course Plan enclosed)
- Advisory services & skill upgradation : Post harvest processing of products received from Nutri gardens
- Exposure visits organised
- Linkages with NIFTEM (Sonipat), IFFCO (Ambala), Women & Child Development Department (Ambala), CPDO (Chandigarh), District Horticulture Department (Ambala)
- Feedback survey & Impact analysis

Report of NARI (2020)

Name of Selected Villages:

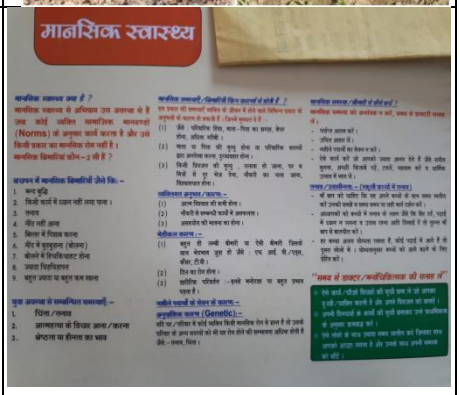
Cluster I : Phulelmajra & Akbarpur
Cluster II : Ahmadpur & Chajjan Majra

No. of Farm famlies : 150
Size of Kitchen garden : 50 sq m^2

Activities At A Glance

<table>
<tr><th>Activities</th><th colspan="2">Photographs</th></tr>
<tr><td rowspan="6">Trainings : 5
Participants : 207 Participants</td><td> 
</td><td>  </td></tr>
<tr><td>Balanced diet for family health & nutrition</td><td>Kitchen gardens for sustainable livelihood</td></tr>
<tr><td> 
</td><td> 
</td></tr>
<tr><td>Promotion f bio-fortified varieties (Maize HQPM & Wheat HPBW01)</td><td>Kitchen gardens for sustainable livelihood</td></tr>
<tr><td rowspan="2">Method Demonstrations :
Knowledge & skill upgradation : 4
1. Poshan Thali : 216
2. Use of organic insecticides in Kitchen garden : 12
3.Value Addition : 32</td><td>  </td><td>  </td></tr>
<tr><td>Preparation of Poshan Thali</td><td>Use of organic insecticieds in Kitchen garden</td></tr>
</table>

Activities	Photographs	
Celebration of Important Days : 3 **Participation in Kisan Mela/ Exhibition : 2** Participants : 761		
	International Women day	Poshan Maah
		
	Mahila Kisan Diwas	Kisan Mela
Technical Support by KVK Team : FAS , Knowledge & Skill Upgradation		
		

Activities	Photographs	
Promotion of Kitchen garden in Aanganwadi under CDPO's		
		
Formation of Whatsapp Group for knowledge updates : Farm Women : 1 (30 Member) Aanganwadi workers : 1 (52 Member)		
Linkages : **i.**Women & Child Department (ICDS) ii.NIFTEM, Murthal, Sonipat iii.Horticulture Department, Ambala iv.IFFCO, Ambala		
	IFFCO, Ambala	CDPO, Shahzadpur

Activities	Photographs
Details of Plants/Samplings/Kitchen garden kits **I. Kitchen Garden Kit (150)** - IFFCO, Ambala - NHRDF, Salaru, Karnal - PAU, Ludhiana **II. Samplings (2200)** - Brinjal - Cauliflower - Green Chilli - Tomato **III.Fruit Plants (100)** - Lemon & Guava	   
Received Fresh vegetables during COVID-19	   

Activities	Photographs
Unit Established	   
News	   
Adoption : - 100% skill adoption - Family Income saving– 80% (Rs. 2400-3000/ year unit size 50 sq m^2)	**Success story** 1.IFS- A gateway of success for Farm woman (Miss Amarjeet Kaur) 2. Women empowerment through small scale enterprises : Mrs.Kamla Devi

II. Report on Mahila Kisan Diwas (15.10.2020)

Venue: KVK Campus (Participants : 30)

Activities	Photographs
• Purpose for celebrating Mahila Kisan Diwas • Progress of Awardee farm woman Miss Amarjeet Kaur, Village Adhoya by webinar at Ministry of Agriculture (Virtual Meet) • Sharing views by Farm Women • Organize Visits: KVK demonstration units & discussion regarding suitability & profitability / economics of existing units • Option and opportunities for women in agriculture • Technological options: Mushroom Production,Kitchen Garden etc. • Awareness - Improved varieties -Drudgery Reducing Technologies etc. -Nutritive value of Maize -Post harvest Technologies -Compost preparation for Mushroom cultivation -Crop Residue Management -Vermi Compost • Lectures : i.Insect & Disease Management in Kitchen garden ii. Self-employment through Mushroom farming iii. Doubling farmers Income • Distribution : - Mushroom spawn - Fruit & Ornamental Plants (Guava, Jamun, Dresinna, Lemon Sun of India etc.)	   

III.Report of Rastriya Poshan Maah (September,2020)

Date	Event	No. of Activity	Participants
4.9.20 & 11.9.20	Meeting with Line departments	2	24
Sep.20	Whatsapp Group of KVKs Created(no.)	1	20
Sep.20	Whatsapp group of Anganwadi Workers created(no.)	1	52
Sep.20	Advisories sent to whatsapp groups(no. of advisories sent)	20	52
Sep.20	Establishing Nutri-gardens at KVKs and Anganwadi Kendras	1 (KVK) & 30 (Aanganwad)	30
26.9.20	Webinars	1 (attended)	2
5-8 Sep.2020 & 17.9.2020	Training programs	2	216
7.9.2020 & 17.9.2020	Sensitization of Anganwadi Worker	2	51
5.9.20,7.9.20,8.9.20 & 17.9.20	Distribution of nutritive fruit plants and vegetable seedlings, seed kits	Fruit plants (100 No.), Vegetable seedlings (2200 No.) & Seed Kit (200 No.)	216
Sept.20	Preparation of nutritious products at home	15 products	30
5.9.20 & 17.9.20	Kisan gosthi and interaction with farmers	2	218
Sep.20	Literature on Poshan Abhiyan in local language(no.)	2	216
18.9.20 & 19.9.20	Press release	2	0
5.9.20 & 17.9.20	Video	5	216
17.9.20	Nutri Rangoli	1	216
Sept.20	Traditional recipe	10 o.	52
17 Sep.20	Promotion of bio-fortified varieties(no. of varieties)	2	0

PHOTOGRAPHS	
	
Poshan thali demonstration	Lay-out plan of Nutrition gardening
	
Nutrition Garden Seed kit distribution	Objectives of Nutrition Month
	
Inservice training for Aanganwadi workers	Lecture delivered by WCDPO
	
Awareness on Poshan Maah	Distribution of Vegetable seedlings

II. Report of Agricultural Skill Council of India (2020)

Date	Training Title	Participants
17-2-2020 to 12-3-2020	Assistant Gardener	20
7-8-2020 to 21-9-2020	Animal Health Worker	20

Photographs (Assistant Gardener)

Video Film

Kit distribution

Agro-Hort-forestry unit visit

Practical session at Protected nursery

Photographs (Animal Health Worker)

Learning by doing : Practical Session (Pig unit & Goat Unit)

Expsoure visit at RVT Hospital, Karnal

Practical session in Poultry unit

III. Attracting & Retaining Youth in Agriculture(ARYA) -2020

I. Objectives :

i. To attract & empower youth in Rural Areas to take up various agriculture, allied and service sector enterprises for sustainable income & gainful employment in selected districts

ii. To enable farm youth to establish network groups to take up resource & capital intensive activities like processing, value addition and marketing, and

iii. To demonstrate the functional linkage with different institutions & stakeholders for convergence of opportunities available under various schemes/program for sustainable development of youth.

II. Enterprises undertaken

i. Piggery
ii. Poultry
iii. Mushroom Cultivation
iv. Hi-tech Nursery & Vermi Compost

II. Activities

Dated	Activity	Venue	Participants
I	**Meetings**		
16-6-2020	National Review Meeting	ICAR-ATARI,Jodhpur	5
30-12-2020	Virtual Zonal Committee Meeting	KVK	8
II	**Trainings :**		
18-28 Sep.2020	Mushroom Production	KVK	23
III	**Extension Activities**		
--	Lectures delivered		
--	Extension Literature distributed (2)		
--	Exposure visits ()		
	Awareness		
	Video (4)		
IV.	**Social Media**		
	KVK portal, Mkisan Portal, Facebook, Website, Whatsup group etc.		

III. Youth Transformed into Agripreneurs

Sl. No.	Enterprises	Youth trained (No.)	Unit established (N.)	Youth visited	Average (No.)	Whatsapp group (No.)
1	Piggery	50	22	133	Exposure visit -5 Meeting-1,Media-4	1 Member: 42
2	Poultry	50	39	182	Exposure visit -3 Media-3	1 Member: 28
3	Mushroom Cultivation	50	32	176	Exposure visit -6	1 Member: 25
4	Hi-tech Nursery & Vermi Compost	30	11	68	Exposure visit-4 Media-2	1 Member: 15
	Total	**180**	**104**	**559**	**50**	**4 (130)**

IV. IMPACT (2018-19 to 2020-21)

Sl. No.	Enterprises	Size of unit (No.)	Production Cost (Rs./yr./unit)	Gross return (Rs./yr./unit)	Net Return (Rs ./yr./unit)
1	Piggery	10+1	1,15,000-155000	250,000-3,10,000	1,25,000-1,65,000
2	Poultry				
	i. Poultry (Small scale)	25-30 birds	6,500-10,000	25,000 to 30,000	20,000 to 25,000
	ii. Commercial	1000-5000 birds	2,60,000	7,00,000 to 8,00, 000	4,00,000 to 5,00,000
3	Mushroom Cultivation	300 compost bag s	31,218 (season)	67,500 (season)	36,282 (season)
4	Nursery Management & Vermi Compost	1000 m2 14000 m2 240 ft.	8,50,000 20,00,000 15,000	12,00,000 32,00,000 48,000	1.20 lacs (4 month) 12,00,000 33,000

V. Unit wise details (2019-20)

I. Piggery units

	Name	Village	Mob.No.	Unitsize (No.)	Income (Rs/yr.)
2019-20					
1	Ranjod Singh	Lohgarh	7988003657	35+3	Rs. 7-8 lakhs
2	Sahil Juneja	Samlehri	9813034477	--	Not running now
3	Tarjinder Singh	Dhamoli	7206645117	35+3	Rs. 5-6 lakhs
4	Baljinder	Tepla	7988902456	20+2	Rs. 5-6 lakhs
5	Dinesh Kumar	Samlehri	9466743132	7+1	Rs. 50,000/-
6	Sukhwinder	Lohgarh	9812128622	20+2	Rs. 2-3 lakhs
7	Santosh	Ambala cantt	8607634524	18+2	Rs. 2-3 lakhs
8	Ashwin	Nagla	7015339091	10+2	Rs. 2-3 lakhs
2020-21					
9	Vikash	Ambala Cantt	9896939371	5+1	Rs. 50,000/-
10	Robin Gulati	Khudda	9729992312	15+3	Still expanding
11	Sandeep Kumar	Nagla	9416962231	5+1	Rs. 50,000
12	Randhir Singh	Pasiala	9992904620	10+2	Still expanding
13	Devender Kumar	Pasiala	8053529024	5+1	Rs. 60,000
14	Ashish Rana	Khudda	9996007979	15+3	Still expanding
15	Randhir Singh	Ambala Cantt	8803900200	15+3	Still expanding
16	Paramjeet	Handikheda	9671664923	18+2	Rs. 3-4 lakhs
17	Rajwant	Handikheda	7988697525	15+3	Rs. 3-4 lakhs
18	Randheer	Saha	8803900200	5+1	Newly established
19	Shiva	Chabiana	9416582823	5+1	Newly established
20	Ramesh	Samlehri	9466743132	5+1	Newly established
21	Ashant	Ambala Cantt	9996894337	5+1	Newly established
22	Diljit Singh	Machhonda	9466452584	5+1	Newly established

II. Poultry units

	Name	Village	Mob.No.	Unit size	Income (month)
	2019-20				
1	Malkit Singh	Sherpur Salkhani	9896371520	2500 broiler	50,000-60,000/lot
2	Gurdev Singh	Dhanura	9467776240	500 birds	40,000/-
3	Narender	Sohata	9053331003	5000 broiler	1,10,000/lot
4	Rahul	Kakar Kunda	9050578769	40-50 birds	2500-3000
5	Maya Ram	Mohra	9991139136	40-50 birds	2,500-3000
6	Suman	Phulel-majra	7494977942	30 Birds	1,500-2500
7	Seema Rani	Phulel-majra	9729162931	20 Birds	1,000-1500
8	Nisha Rani	Akbarpur	9255352514	20 Birds	1,000-1500
9	Akshay	Fulail Majra	9996591573	20	1000-1200
10	Vikas	Fulail Majra	9996591573	20	1000-1200
11	Ferbhoosan	Pathredi	9728354297	20	1000-1200
12	Happy	Laha	9416459710	20	1000-1200
13	Suman Devi	Chhajjal Majra	9728262344	10	500-600
14	Veena Devi	Chhajjal Majra	9817152756	10	500-600
15	Amarjeet	Kesari	8607498374	10	500-600
16	Rahul	Mohra	9991139136	10	500-600
17	Rajesh Kumar	Dukheri	9728354297	10	500-600
18	Ranjeet Kaur	Nagla	8059188025	10	500-600
19	Mitrapal	Shahazadpur	9813921434	10	500-600
20	Sohan Lal	Dukheri	9996425250	30-40	1800-2000
21	Harlinder	Naggal	7080000040	40-50	3000
22	Harpreet	Naggal	8222860040	30	1800-2000
23	Dilbagh	Naggal	9466349840	30	1800-2000
24	Poonam	Tepla	9996511853	20	1000-1200
25	Sagar	Tepla	8570816185	20	1000-1200
26	Komal	Tepla	9996511853	20	1000-1200
2020-21					
27	Manveer	Tepla	8053673924	50	3000
28	Rani	Akbarpur	8708243142	20	1000-1200
29	Sapna	Akbarpur	8059446155	50	3000
30	Neetu	Akbarpur	8307124393	20	1000-1200
31	Sanjeev	Phulelmajra	9466166616	20	1000-1200
32	Kanchan	Phulelmajra	9466606222	20	1000-1200
33	Ram Saran	Sain Majra	9817584528	30	1800-2000
34	Parveen	Kakarkunda	8607718575	20	1000-1200
35	Hardeep	Dhanauri	8930143179	20	1000-1200
36	Sagar	Phulelmajra	9518078093	20	1000-1200
37	Anita	Phulelmajra	9467469774	10	500-600
38	Deep Kaur	Phulelmajra	9466953523	10	500-600
39	Rajnish	Saha	7671643497	20	1000-1200

III. Mushroom cultivation units

	Name	Village	Mob.No.	Unit size (Bags)	Income (Rs./season) approx
2019-20					
1	Mrs.Rajni	Tangail	8059911813	1500 bags	56,000/-
2	Mr.Sahil Mander	Lohgarh	7404902594	500 bags	27,250/-
3	Mr.Sandeep Sharma	Adhoi	9355687117	500 bags	27,250/-
4	Mr.Vikram Singh	Foxa	8685026314	500 bags	27,250/-
5	Mr.Ram Murta	Saha	9416797454	500 bags	27,250/-
6	Mohit Kumar	Allipur	9896377180	700 bags	29,750/-
7	Madan	Foxa	8053040448	300 bags	16,350/-
8	Nabab Singh	Jolly	9992961929	300 bags	16,350/-
9	Bittu	Alawalpur	7056218540	500 bags	27,250/-
10	Kuldeep	Dhanauda	8930565296	100 bags	5,450/-
11	Anil Kumar	Ugala	9068960721	100 bags	5,450/-
12	Aman Kumar	Subhri	7027211033	100 bags	5,450/-
13	Pardeep Kumar	Mullana	9896258791	1000 bags	80,000
14	Pooja Devi	Mullana	9896258791		
15	Mukesh Kumar	Saran	8168604157	5000 bags	4,00,000
16	Sunita Rani	Saran	8818073803		
17	Charanjit Singh	Kardhan	9802020720	800 bags	80,000
2020-21					
18	Rajat Chauhan	Bihta	7986703091	2000 bags	1, 60,000
19	Ashok Kumar	Saha	8950136466	3000 bags	55,000
20	Jaibir Saini	Nagawan	9896984411	500 bags	13,750
21	Gurmeet Singh	Akalgarh	8930393938	200 bags	5,500
22	Baljeet Singh	Akalgarh	8930171301	200 bags	5,500
23	Abhishek Kharbanda	Mullana	9518629576	500 bags	21,250
24	Sukhbindra Singh	Dinarpur	9728920375	300 bags	12,750
25	Aman Kumar	Nawipur	9466740140	1500 bags	52, 500

IV. Nursery Management & Vermi Compost

	Name	Village	Mob.No.	Unit size		Income (Rs./season) approx
1	Neeraj	Sarakpur	8930057521	Nursery	14000 m2	12 lacs
				Vermi Compost	8 Bed	Income not started
2	Shalinder P.Singh	Barara	9992131678	Nursery	1000 m2	1.20 lacs (4 months)
				Vermi Compost	8 Bed	Income not started
3	Kapil	Topkhana	7015318376	Nursery	1000 m2	Not running
4	Sahil	Ratanhedi	8199912050	Vermi Compost	8 Bed	Rs. 33000/-
5	Amit	Paplotha	9466353362		8 Bed	Rs. 33000/-
6	Harlinder Singh	Naggal	7090000040	Vermi Compost	8 Bed	Income not started
7	Vikas	Sarsehri	8168546571		10 Bed	
8	Amit Antal	Nanyola	7404550091		4 Bed	
9	Geetika	Rampur	9416249580		2 Bed	
10	Jeewanjot	Garnal	8708075954		8 Bed	
					8 Bed	
11	Ankush	Chudiali	9050280076			

Success of ARYA Enterprises

III. Pig Farm, Handikheda (2020)

Name	Rajwant Singh
Village	Handikheda
Age	26
Education	10+2
Mob.No.	7988697525

Technical guidance from KVK : Training , Piglets & FAS/ Technology/ Disease Management, Linkages

Economics (unit Size 10+2) :

Particulars	Rs.
Expenditure (Rs)	
Feed, vaccine, medicine etc.	1,70,000
Income (Rs)	
Sale of piglets (120) @ Rs 4000	4,80,000
Net Return	3,10,000

Horizontal : 2 No.

▪Special Mixed Duroc breed alongwith Large White Yorkshire

Piggery Enterprise (Handikhera)

I. Enterprise : Poultry

Gurnam Poultry Farm, Sherpur

Name	Malkit Singh
Village	Sherpur Salkhani (Ambala)
Age	28 years
Education	10+2
Mob.No.	9896371520

Technical guidance from KVK : Training (Year 2019), Poultry Birds (Chabron),FAS/ Technology/Disease Management

Contract Farming with Sugna Pvt.Ltd.Hyderabad

Economics of Contract farming (2500 birds) (Rs.)

I. Expenditure (6 months)	Amount
a) Water, Electricity etc.	65,000
b) Depreciation (10%) of capital	1,00,000
Total Expenditure	1,65,000
II. Income	
Contract farming (Avg.40,000/month)	4,80,000
Net Return	=3,15,000/

Unit established : 32 No.

Poultry Enterprise (Sherpur)

I. Saini Mushroom Farm, Mullana

Name	Pardeep Kumar
Village	Mullana
Age	28
Education	Graduate
Mob.No	9896258791
Unit size	1000 bags

Technical guidance from KVK : Training , Compost bags, FAS, Exposure visits, Marketing, Whatsapp group

Economics :

Input (Ist Season) Rs.	
I. Start up Cost (Size 10X12 feet)	Amount
Expenditure (Rs./year) : 1000 bags (pesticides, spawn, casing etc. @ Rs.100/-each bag)	1,00,000
Income (Rs/year) 2 kg. /bag average (1000 bags- yield 2000 kg.) Sale Rs. 120/kg.av.	2,40,000
Net Return (Rs.)	1,40,000/-

Master trainer

https://youtu.be/CLj9mEDaVbU

Mushroom Enterprise (Mulana)

I. Enterprise : Nursery Management & Vermi

Vatika Nursery

Name	Mr. Shalinder Pratap Singh
Village	Barara
Age	28
Education	Graduation
Mob.No.	9992131678

Technical guidance from KVK : Training, Establishment of Unit, Farm Advisory, Stall in Kisan Mela, Exposure visit etc.

Input (started from Sep.2020) (Rs.)
Unit Size 1000 m²

I. Start up Cost	Amount
Infrastructure & Equipments and Fruits, Ornamental & Medicinal plants , Pots etc.	8,50,000
Return (Sale of plants & Pots)	1,20,000* four month sale

Also doing Mushroom cultivation with 1000 bags and earning 80,000/season

Nursery Unit (Barara)

Photographs (ARYA) 2020

National Review Meeting

Virtual Zonal Committee Meeting

Poultry (Review meeting)

Poultry unit visited by scientist

Pig unit visited by scientist

Pig unit visited by scientists

FAS at Pig unit

Mushroom unit visited by KVK scientists

New established Nursery Unit

Nursery Unit

Practical session of Mushrom training

Certificate distribution

Mushroom unit visited by scientist

Mushroom unit visited by scientists

Vermi compost unit

Vermi compost unit

IV. In-situ Crop Residue Management (2020)

I. Villages Adoted :

1. Gheldi
2. Rampur Chhapra
3. Samlehri
4. Jawahargarh

II. Training Programmes :

Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Participants		
				M	F	Total
16-20 March,20	In-situ Crop Management	5	Hameedpur	25	0	25
21-26 Oct.20	Crop Residue Management	5	Jawahargarh	25	0	25
5-9 Oct.20	Crop Residue Management	5	Gheldi	25	0	25
20-25 Nov.20	Crop Residue Management	5	Haldari	25	0	25
	Total (4)			**100**	**0**	**100**

III. Activities

Dated	No.	Event	Venue	Participants
--	100	**Demonstration (Farm Machinery)**	Sapeda, Khudda,Landa & Ratanhedi	100
		Method Demonstrations		
28.1.20	1	M.B.Plough and Choppe for Sugarcane trash management	Dhurala & Samlehri	12
28.5.20	2	Zero tillage sowing of Summer Moong	Sapeda, Holi	24
29.6.20	2	DSR Drill	Saha block	12
Oct.20 &Nov.20	24	Crop Residue Management machinery	KVK & various village	202
		Awareness Campaign		
March,2020	1	i.Crop Residue Management	March,2020	100
13.4.20	3	ii. Sensitization of harvesting equipment	KVK	35
15.4.20		safety measures during lock down		
16.4.20		iii. Collaboration with DDA		
28.8.20	1	iv.Collaboration with DDA	Sapeda	125
31.8.20	1	v. District level	Kasrela	250
17.9.20	1	iv. Village level	KVK	216
26.9.20	1	v.. Village level	Sapeda	100
14.10.20	1	vii. Block level	Samlehri	100
19.10.20	1	viii. Block level	Dhankor	125
5.10.20	1	ix. Block Level	Dheen	100
8.10.20	1	x. Village level	Ghazouli	100
23.10.20	1	xi. Village level	Jawahargarh	54
24.10.20	1	xii. Awareness district level	Gheldi	65
29.10.20	1	xiii.Village level Awareness (IFFCO)	Saha	100
21.11.20	1		Haldari	70
6.11.20	1	Kisan Mela	KVK Campus	610
6.11.20	1	Exhibition (25 stalls)	KVK campus	610
November & December,20	12	Exposure visits	Alipur,Hamidpur, Gadauli, Haldari, Chajjan Majra , Ahmadpur, Gheldi, Budagpur etc)	150
Jan-Dec. 2020	1	Literature distributed (5000 No .)	--	5000
2020		Hoardings		
2020		Wall writing		
		Printed T-shirt, Mask, Bags & distributed		

Photographs (Crop Residue Management) 2020	
	
Kisan Mela	Kisan Mela
	
Hon'ble Director,ATARI,Ludhiana visited at DSR field	Wall writing (Slogan on CRM)
	
Block level Awareness programme	Village level Awareness programme
	
Awareness programme on CRM	Awareness programme on CRM

Awareness on Crop Residue Management

Block level Awareness programme

Field Day

Farmer Scientist interface on DSR

Method Demonstrations

Exhibition in Kisan Mela

किसान मेले में जानी खेती की आधुनिक तकनीक

16 समाचार कृषक आराधना

आलू की फसल के अवशेषों को भूमि में मिलाकर गुणवत्ता और उत्पादन बढ़ा रहे पंजाब के किसान

केविके तेपला-अम्बाला के प्रांगण में किसान मेले का आयोजन

तेपला में किसान मेले में हैप्पी सीडर, पैडी स्ट्रा चोपर और जीरो टिल ड्रिल को किया प्रदर्शित

कृषि विज्ञान केन्द्र तेपला अंबाला में विशाल किसान मेले का आयोजन

V. Progress Report of SCSP Scheme (2020)

I. Activities

Dated	Event	Venue	Participants
I. Training			
18-28 Sept.20	Mushroom cultivation	KVK	25
1-7 Dec.20	Management of Orchard plants	Hamidpur	34
14-18 Dec.20	Improved sprayer techniques to enhance crop productivity in Agriculture	KVK	15
23-26 Dec.20	Poultry farming	KVK	17
II. Front Line Demonstrations			
6-11-20	Integrated Crop Management in Wheat crop (DBW-222) Colloboration with IIWBR	KVK	25
III. Prticipation in Extension Activities			
1-30 Sep.20	Nutrition Month	KVK	150
6.11.20	Kisan Mela	KVK	132
8.3.20 & 6.11.20	Exhibition	KVK	132
5.12.20	World Soil Day	Hamidpur	34
23.12.20	Kisan Diwas	KVK	8
8.3.20	International Women Day	KVK	82
15.10.20	Mahila Kisan Diwas	KVK	30
16-31 Dec.20	Swachhta Pakhwada	Ahmadpur & Chhajanmajra	32
III. Annual Meeting			
28.9.20	Online Annual Review Meeting organised by ATARI, Jodhpur	KVK	5

II. Unit established (2019-20 & 2020-21)

I. Poultry

S.No.	Name	Village	Mob.No.	Unit size (Birds)	Income approx. (Rs./year)
1	Gurdev	Dhanaura	9467776240	500	4,80,000
2	Rahul	Kakarkunda	9050578769	50	25,000
3	Ramkishan	Jamaalpura	9996591573	50	Egg laying started
4	Kamala	Chhajjal Majra	9728262344	20	Egg laying started
5	Mamta	Chhajjal Majra	8685943752	20	Egg laying started
6	Baljinder	Ahmedpur	9817152756	20	Egg laying started
7	Akshay	Fulail Majra	9996591573	20	Egg laying started
8	Vikas	Fulail Majra	9996591573	20	Egg laying started
9	Ferbhoosan	Pathredi	9728354297	20	Egg laying started
10	Happy	Laha	9416459710	20	Egg laying started
11	Suman Devi	Chhajjal Majra	9728262344	10	Egg laying started
12	Veena Devi	Chhajjal Majra	9817152756	10	Egg laying started
13	Amarjeet	Kesari	8607498374	10	Egg laying started
14	Rahul	Mohra	9991139136	10	Egg laying started
15	Rajesh Kumar	Dukheri	9728354297	10	Egg laying started
16	Ranjeet Kaur	Nagla	8059188025	10	Egg laying started
17	Mitrapal	Shahazadpur	9813921434	10	Egg laying started

II. Mushroom Production

S.No.	Name	Village	Mob.No.	Unit size (Bags)	Income approx. (Rs./Season)
1	Naresh Kumar S/O Ram singh	Racchari	9996519784	1000	81250
2	Parmila W/O Naresh Singh	Racchari	9996519784	1000	81250
3	Kavita W/O Karnil Singh	Chhajal majra	9992897630	100	8125
4	Monica Rani W/O Kamaljeet Singh	Chhajal majra	8813045265	150	12187
5	Baljindar Kaur W/O Karnil Singh	Ahmadpur	9817152756	200	16250
6	Sukhvindar Kaur W/O Rajesh Kumar	Ahmadpur	9671956385	180	14625
8	Sunita W/o Ranveer Singh	Chhajal majra	8813823128	200	16250
9	Rita devi W/O manjeet Kumar	Chhajal majra	9896706640	100	8125
10	Suman W/O Ajaib Singh	Chhajal majra	7015521900	150	12187
11	Sunita Rani W/o Ramnatha	Mohra Ambala	9588121931	100	88125
12	Ramnath S/O Preeta Ram	Mohra Ambala	9671792247	200	16250
14	Veena Devi	Chhajal majra	9466658103	100	8125
15	Satindra Pal	Sarangpur	9468437171	200	16250
16	Seema rani	Chhajal majra	9050505903	100	8125
17	Neeraja	Ahmadpur	8901991342	150	12187
18	Sashi Bala	Ahmadpur	9991382398	100	8125
19	Neetu Devi	Chhajal majra	9996494542	150	12187
20	Mamta rani	Chhajal majra	8685943752	100	8125
21	Ramrati	Ahmadpur	8816039450	100	8125
22	Reshma rani	Ahmadpur	9468029243	100	8125
23	Maya devi	Akbarpur		100	8125

Photographs (SC Scheme) 2020

Mushroom training

Method demonstration

Management of fruit plants

Wheat FLD (IIWBR)

Training on Spray Pump

Training on Poultry farming

Plants distribution under Swachhta Pakhwada

Mushroom spawn bag provided to SC

Mushroom unit visited by Scientist

Poultry unit visited by KVK team

Mushroom unit

Mushroom production

Review meeting on SC SP scheme


कृषि विज्ञान केंद्र की हुई
ऑनलाइन समीक्षा बैठक

News

V. Ex-situ Project (2020)

Activities

Dated	Event	Venue	Participants
30.9.20	Method demo on Bellar	Ghasitpur	20
30.9.20	Meeting : IARI delegates & KVK team	KVK	12
17.10.20	Meeting : IARI delegates & KVK team	KVK	12
29.10.20	Method Demo on Fee block making	KVK	27
9.11.20	Inauguration of Project	KVK	43
21.12.20	Meeting : Review meeting of the project	KVK	1

I. Photographs (Ex-situ) 2020

Inauguration of Ex-situ Project

Method demonstrations

IARI team visited at KVK

VI. Doubling Farmers Income (2020)

IV. Adopted Villages under Doubling Farmers Income

State	**Haryana**
District	Ambala
Blocks	Saha, Ambala II
Villages	Sapeda, Akbarpur and Fulelmajra

V. Bench Mark Survey conducted

Dated	**Event**	**Villages**	**Participants**
1-31 May,2019	Bench Mark survey	Phulelmajra,Akbarpur,Sapeda	200
1.6.19	Bench Mark Survey of Doubling Farmers Income	Phulelmajra & Akbarpur	25

VI. Physical information

Villages	**Land holding (ha)**	**Livestock holding (No)**
Sapeda	240	Local Cattle - 25,Crossbred Cattle – 70,Buffalo – 400, Goat– 30, Poultry birds – 70, Any others – 20
Akbarpur	92	Local Cattle - 15,Crossbred Cattle – 35, Buffalo – 350, Goat– 25, Poultry birds – 260, Any others – 15
Fulelmajra	20	Local Cattle - 10,Crossbred Cattle – 25, Buffalo – 250, Goat– 60, Poultry birds – 220, Any others – 7

VII. Roadmap and Action Plan

- **Soil Health Enhancement :**
  - Through Soil test based balanced fertilizer application
  - Crop Residue Management

- **Introduce of High yielding newly released varieties with advanced package & practices**

- **Crop Diversification :**
  - Through Inter-cropping Lay-out (Chickpea,Mustard,Wheat & Veetable with Sugarcane crop)
  - Increaseing cropping intensity and productivity through Mungbean inclusion in Rice-wheat cropping pattern
  - Promotion of Pulse & Oilseed crops

- **Livestock production & management:**
  - Mineral mixture supplementation
  - Fodder production
  - Improved breed promotion

- **Promotion of secondary agriculture :**
  - Kitchen gardening & value addition
  - Back-yard poultry etc.

- **Group formation , mobilization & Entrepreneurship Development :**
  - Formation of Kisan Clubs
  - Establishment of Custom Hiring Centres

VIII. Training Programmes

Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Total number of participants		
				M	F	Total
I. Practicing Farmers						
5-8 June,2020	Integrated Crop Management on Kharif Pulses	4	KVK	20	0	20
7-10 Oct.20	Integrated Management of Oil seed crops	4	KVK	20	0	20
	Total (2)			**40**	**0**	**40**
23 July,2020	Soil testing based fertilizer application in paddy	1	Akbarpur	15	0	15
16-20 March,2020	In-situ Crop Management	5	KVK	25	0	25
15-18 March,2020	Integrated Crop Management of Squash Melon	4	KVK	15	0	15
1-4 Oct.2020	Integrated Crop Management of Tomato	4	KVK	14	0	14
25-30 Oct.2020	Integrated Crop Management of Potato	4	KVK	12	0	12
5-9 March,2020	Women empowerment through Backyard Poultry	5	KVK	0	23	23
6-9 March,2020	Household food security by kitchen gardening and nutrition gardening	4	KVK	0	35	35
5-8 Sep.2020	Lay-out of Kitchen garden & Role of kitchen garden in human life	4	KVK	0	45	45
	Grand Total (13)			**171**	**103**	**274**
II. Rural Youth						
17-2-20 to 12-3-2020	Assistant Gardener	25	KVK	20	0	20
1-8 March,2020	Value Addition	8	KVK	0	22	22
13-23 March,2020	Organic farming	11	KVK	23	1	24
7-8-2020 to 20-9-2020	Animal Health Worker	45	KVK	15	5	20
15.9.20 to 5.10.20	Mushroom cultivation & marketing	21	KVK	44	2	46
18-28 Sept.20	Mushroom cultivation (ARYA)	10	KVK	20	0	20
18-28 Sept.20	Mushroom cultivation (SCSP)	10	KVK	23	1	24
21-10-20 to 10-11-20	Commercial Dairy Farming	21	KVK	24	3	27
3-23 December,2020	Commercial Pig Farming	21	KVK	30	0	30
26 Nov.1 December,2020	Poultry farming (SC Scheme)	6	KVK	0	30	30

IX. Front line Demonstrations

- Improved variety of Mustard (Pusa Tarak)
- Improved variety of Lentil (LL-931)
- Improved variety of Chickpea (GNG-2144) & crop production techniques
- Improved variety of Mungbean M.H.421) & crop production techniques
- Improved variety of Arhar (AL -882) & crop production techniques
- Wheat variety HD-2967
- Wheat variety PBW-343
- Wheat variety DBW -90
- Improved variety (HD-3086) & field preparation technologies & method of operation
- Balanced Fertilizer application in Wheat
- Foliar application of Zinc Sulphate in Wheat
- Management of Yellow rust in Wheat
- Control of Head borer in Sunflower
- Balanced Fertilizer application in Paddy
- Improved variety of Onion (NHRDF- Red)
- Integrated Crop Management on Potato
- Integrated Crop Management on Tomato
- Happy seeder for wheat sowing
- Crop residue management of wheat crop
- California Mastitis Kit for Mattits management in dairy animals
- Kitchen gardening with improved seed & techniques

X. On-farm Trials

- Assessment of improved variety of Wheat (HD-3226)
- Assessment of Gobhi Sarso (CSJ-7)
- Assessment of Onion variety NHRDF Red-3
- Assessment of Pea variety : AP -3
- Assessment of Squash Melon variety of Punjab Tinda-1
- Assessment of Wheat sowing methods through Happy Seeder
- Tembotrione (Laudis) herbicide application post emergence control of grass and broadleaf weeds
- Assessment of Dietary cation-anion difference (DCAD) Balanced Diet to optimize Animal productivity
- Assessment of Prebiotic containing Refined Functional Carbohydrates (RFCs) on Calve's overall health and immunity

XI. Extension Activities

Dated	Event	No.	Venue	Participants
22.6.20	Review Meeting of ARYA (Akbarpur)	1	Akbarpur	15
19.6.20	Farmer Meet	1	Sapeda	31
6.11.20	Kisan Mela	1	KVK	120
6.11.20	Exhibition	1	KVK	120
	Method Demo. :			
28.5.20	DSR	1	Sapeda	7
17.9.20	Poshan Thali	1	KVK	10
17.9.20	Lay-out plan of Kitchen garden	1	KVK	12
8.3.20	International Women Day	1	KVK	12
8.3.20	Mahila Kisan Diwas	1	KVK	10
8.3.20	Poshan maah	1	KVK	18
20.9.20	Exposure visit at Dairy unit	1	Sapeda	32
14.10.20	In-situ Awareness programme	1	Sapeda	100
Jan-Dec.20	Exposure visits (CPDO, Nursery, Piggery, Poultry, Vermi Compost, Poultry, Mushroom, CHC units etc.	8		54
Jan-Dec.20	Awareness Camps (Agriculture camps, Awarness CRM, Soil Health campaign , Farmers Act	11		151
Jan-Dec.20	Extension Literature distributed (Jan-Dec.2020)	10		80
Jan-Dec.20	Lectures delivered (Jauary-December,2020)	10		183

XII. Other Achievements

- Director (ATARI - I) visited Sapeda Village
- 120 ha area under Crop Residue Management (Wheat)
- Promotion of Agro-Horticulture Crops
- Vermi compost unit established under ARYA project
- Poultry units established under ARYA
- Nutrition garden units established under NARI
- One Custom Hiring Centre established
- Case studies/Success stories sent to ATARI
- Various exposure visits organised (International Conference,National Conference ,Kisan Melas,Agricultural Universities,CPDO etc.)

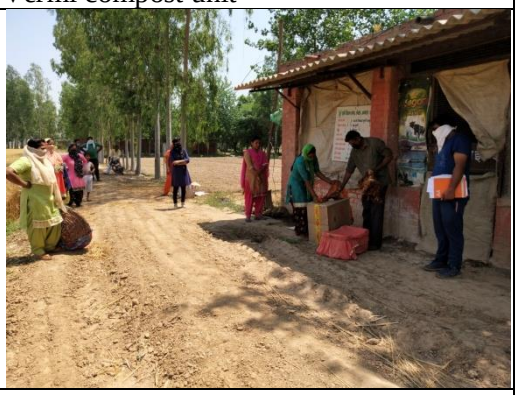
XIII. Interventions (Adopted Villages: Akbarpur, Phulelmajra and Sapeda)

Enterprise/ Crop	Area (Ha.)	Intervention by KVK	Cost of cultivation (Rs./Ha.)		Net Return (Rs./Ha)		Difference (Rs./Ha)
			Before	After	Before	After	
Rice	10	DSR	38325.00	33375.00	50205.00	63715.00	13510.00
Wheat	128	1.Varietal evaluation 2.CRM	28500.00 36250.00	28500.00 28350.00	55860.00 61430.00	64508.00 72510.00	-- 11080.00
Sugarcane + Chickpea	15	CFLDs through Intercropping	88000.00	103000.00	218000.00	286458.00	68458.00
Sugarcane + Lentil	5	CFLDs through Intercropping	88000.00	98500.00	218000.00	261623.00	43623.00
Mustard	30	1.CFLD 2.Line Sowing	16950.00	18875.00	32911.00	40455.00	7544.00
Sugarcane + Summer Moong	15	1.CFLDs through Intercropping 2.IPM (BHC)	88000.00	101000.00	218000.00	267350.00	49350.00
Onion	10	Varietal evaluation	82300.00	88500.00	151700.00	194400.00	42700.00
Potato	20	1.Integrated Disease Management 2.Integrated Weed Management	48000.00	50000.00	40000.00	51000.00	11000.00
Sugarcane+ Onion	30	Intercropping	88000.00	136750.00	218000.00	425250.00	207250.00
Sugarcane+ Muskmelon	20	Intercropping	90000.00	110000.00	164100.00	227692.50	63592.50
Kitchen Gardening	40 Units	Kitchen Garden	240.00	600.00	1200.00	4250.00	3050.00
Dairy	3 Units	Training, OFT, FLD	37000.00	28000.00	47000.00	63000.00	22000.00
Back-yard Poultry	34 Units	Training, FLD, ARYA	--	8300.00	--	22000.00	22000.00

XIV. Ongoing schemes/Linkages :

- In-situ Crop Residue Management, RKVY (ASCI training), PMFBY, ARYA, NARI, CPDO (BYP), Parampragat Krishi Vikas Yojna (Organic Farming), Doubling Farmers Income, Jal Shakti Abhiyan, Village Adoption programme (NIFTEM),National Animal Disease Control Program for Foot and Mouth Disease (FMD), Brucellosis and Artificial Insemination Fertilizer Awareness programme, Plantation Programme,Soil Health, IIWBR, Agriculture Department,Horticulture Department, Assistant Agricultural Engineer, NHRDF linkages (Onion seed), IFFCO (Nano demonstration) ,NFSM (CFLD Oil seed & Pulses) & FLD wheat etc.

Photographs (DFI) 2020

	
Chickpea production	CRM
	
DSR field visited by KVK team	Vermi compost unit
	
Review meeting in Akbarpur	Poultry birds provided to farm women
	
Awareness on Farmers Act	Azolla cultivation

	
Participation in Poshan Maah	Method Demo on Lay-out plan of Kitchen garden
	
Plants distributed	Potato production by farm women
	
KVK farm visited by farm women	Weed management in kitchen garden

VII. COVID -2019

1. Seed, Chicks, Planting material provided to farmers during the lock-down period

Date	Material (Seed/Herbicides etc.)	Qty.	Area (ha)	Farmers/Farm Women
31.3.2020	Poultry birds	200	--	20
31.3.2020	Mungbean (MH-421) (CFLD on pulse crops)	6 qtl	20	34
4.4.2020	Herbicides (OFT on Weed Management in Maize)	10 pkt (115 ml/ farmer)	4	10
IInd & IIIrd Week of March,2020	Kitchen Garden seeds (PAU,Ludhiana)	32 pkt.	--	32
15-3-2020	Squash Melon (Punjab Tinda-I) (OFT on Assessment of Squash Melon)	15 kg. (1.5 kg. /farmer)	4	10
15-3-2020	Protray (Nursery raising under ARYA)	300 No.	--	2
15-3-2020	Cocopit (ARYA)	10 kg.	--	3
15-3-2020	Moss Grass (ARYA) Propagation of Fruit plants (Guava & Lemon)	3 kg.	--	1

2. Activities

Date	Activities	No.	Farmers/Farm Women
13 to 16 April, 20	Agricultural camps/Campaign Sanitization of harvesting equipments safety measures during lock down	5	594
21.5.20	Online Poster Competition	1	94
April,20	ICT platform	10	230
April & December, 2020	Awarenees through Social Media, Facebook , News, Mkisan Portal, KVK portal	50	3250
April & December, 20	Farm advisory at farmers field - Wheat,Vermi Compost unit, Bottle gourd plots) - Plant protection advisory on insect pest and disease management on different crops mainly Sunflower, sugarcane, Bitter gourd, bottle gourd, Mango and citrus - Kitchen Garden (Weed management, Disease Management & safe production of vegetables - Poultry , Pig & Dairy Units	25	892
August, 20	Video	9	9
April, 20	Arogya setu app (download)	--	1220
29-31 May, 20	Food/Langar provided to Migrate Labour	3	500
April & December, 20	Distribution of mask	--	--
April & December, 20	Awareness about Distance, Mask etc. & Thermal checking of participants	In each programme --	

Photographs (COVID-19)

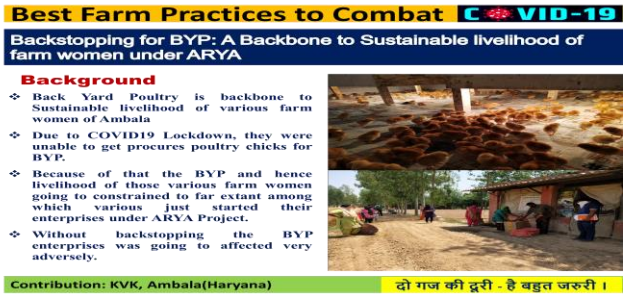
	
Awareness regarding distance maintaining	Thermal scanning for covid
	
Sanitization of equipments	Food packets preparation & distributation among migrants labour
	
Weed management in onion	Mungbean seed distribution under CFLD on pulse crops
	
Production of fresh vegetables in Nutrition garden	Field activities during Covid-19 at KVK farm

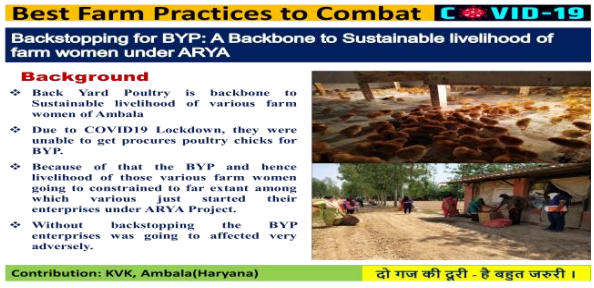
Inputs provided

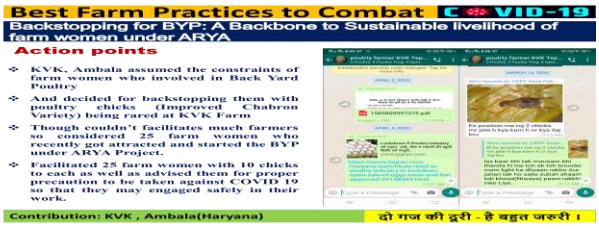
Pig unit visited by Scientist

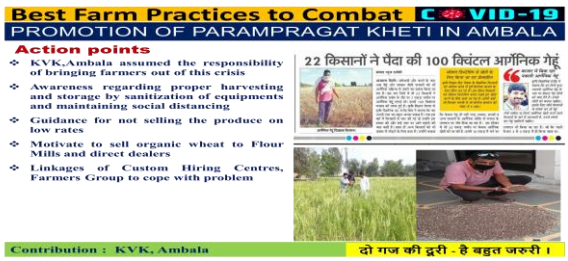
PHC (Wilt disease problem in Eucalyptus seedling)

Iron deficiency in rice seedlings









IX. DAMU Project Report

1. Title of the Project: **GKMS-DAMU Scheme: Establishment of District Agro Met Units Automatic Weather Station DATA Sharing and Promoting Agro Advisories in the states of Rajasthan, Haryana and Delhi.**
2. Sanction letter : **ATARI/KVK/IMD-DAMU/2018** Date: 20th June 2020
3. Year of start of AAS at DAMU: **2020**
4. Name and Designation of Staff

Designation	**Name**	**Address**	**STD code Telephone no.& Fax**	**Email-id**
Project Coordinator (PC)	Dr. Upasana Singh	KVK Ambala, Village: Tepla Post Office: Saha, Dist. Ambala -133104 (Haryana)	Ph: 8295406560 Fax No.: 01712822522	upasanasinghrathee@gmail.com
SMS	Mr. Amit Singh (Joined in November,2020)	KVK Ambala, Village: Tepla Post Office: Saha, Dist. Ambala -133104 (Haryana)	Ph: 9992564676	amitsingh6994@gmail.com
Agromet Observer (AO)	Ms. Vishu (Joined in November,2020)	KVK Ambala, Village: Tepla Post Office: Saha, Dist. Ambala -133104 (Haryana)	Ph: 7056033522	vishubrar666@gmail.com

5. Date of start of Agromet Advisory Bulletins: **Not started yet**
6. Registration on Meghdoot App and Agromet-DSS portal : In Progress

7. List of farmers awareness programmes, FAS (Farmers Advisory Services)

Sr. No.	**Activities**	**Date**	**Village/Block**	**No. of Farmers**
1.	FAS (Farmers Advisory Services)	20.11.2020	Chhapra, Naraingarh Majra, Haldri (Barara)	20
2.		21.11.2020	Haldri (Barara)	45
3.		24.11.2020	Bihta (Saha)	8
4.		02.12.2020	Ahmedpur (Naraingarh)	18
5.		05.12.2020	Hamidpur (Saha)	40
6.		05.12.2020	KVK	20
7.		16.12.2020	Sarakpur (Barara)	8
8.		18.12.2020	Thamber (Barara)	7
9.		19.12.2020	Chhazalmajra (Naraingarh)	20
10.		8.1.2021	Phulelmajra (Saha)	15
Total				**201**

Hamidpur (Saha)

World Soil Day

Farm Advisory Services

X. Awareness programmes on three Farmer's bills

Sr. No.	Activities	No.	Date	Village/Block	Participants
1	**Messages through WhatsApp Groups**	10	Oct-Dec.2020	--	839
2	**Participation in Webinar on Sensitization on Agricultural Act-2020**	1	12.10.2020	online	6
3	**Participation in Outreach programme for KVK farmers on Farm Act by Mos**	1	7.10.2020	online	6
4	**Video**	1	10.10.2020	KVK	17
5	**Kisan gosthi**	6	Oct-Dec.20	KVK & various villages	390
6	**Awareness programme**	1	8-10-2020	KVK	17
7	**Literature distributed**	2	Oct-Dec.20	--	1552
	Lectures during various Extension activities				
i	Kisan Mela	1	6-11-2020	KVK	610
ii	Animal Health Worker	1	12-11-2020	KVK	16
iii	Mahila Kisan Diwas	1	15-10-2020	KVK	30
iv	World Food Day	1	16-10-2020	KVK	14
v	Vigilance Week	1	27-10-2020	KVK	32
vi	Constitution Day	1	26-11-2020	KVK	20
vii	Village level on CRM	1	23-10-2020	Jawahargarh	60
viii	Village level on CRM	1	24-10-2020	Gheldi	70
ix	Awareness programme on CRM (IFFCO)	1	29-10-2020	IFFCO	105
x	Village level on CRM	1	21-11-2020	Haldari	75
xi	Swachhta Pakwada	5	16-31 Dec., 2020	various villages	334
xii	Field visit at farmers field	3	20.11.2020	Chhapra, Naraingarh Majra, Haldri	20
xiii		1	21.11.2020	Haldri	45
xiv.		1	24.11.2020	Bihta	8
xv		1	02.12.2020	Ahmedpur	18
xvi		1	05.12.2020	Hamidpur	40
xvii		1	05.12.2020	KVK campus	20
xviii		1	16.12.2020	Sarakpur	8
xviv		1	18.12.2020	Thamber	7
xv		1	19.12.2020	Chhazalmajra	20

Photographs

XV. Swachh Bharat Mission (16-31 Dec.2020)

Report on Celebration of Swachhta Pakhawada during December 16-31, 2020

Dated	Name of activities as per theme	No. of farmers participated	Photos
16.12.20	1. Awareness : Swachhta Pakhwada 2. Techniques for waste management :Vermi compost 3. Management of Nursery Unit	**22**	  
17.12.20	1. PLEDGE : Swachh Bharat Mission by KVK team and farmers 2. Clean House/ Shed management of Pig farm	32	

			
18.12.20	Sanitation and SWM : Cleanlines and sanitation drive in the village adopted under the MGMG programme and/or other schemes by ICAR Institutes/ KVKs Involving village community and Reviewing the progress	**9**	 
19.12.20	Sanitation and SWM Cleanliness and sanitation drive within campuses and surroundings including residential colonies, common market places. Stock taking of biodegradable and non-biodegradable	15	

	waste disposal status and providing on the spot solutions.		  

			
20.12.20	Stock taking of waste management & other activities including utilization of organic wastes/ generation of wealth from waste, polythene free status, composting of kitchen and home waste materials. Promoting clean & green technologies and organic farming practices in kitchen gardens of residential coloniesandat least one nearby village and proving on the spot technology solutions.	38	 
21.12.20	Campaign on cleaning of sewerage & water lines, awareness on recycling of waste water, water harvesting for agriculture/ horticulture application/kitchen gardens in residential colonies/ 1-2 nearby villages.	17	

			
22.12.20	Organising Workshops, exhibitions, technology demonstrations on agricultural technologies for conversion of waste to wealth, safe disposal of all kinds of wastes. Debate on Swachhata at the DARE/ICAR establishments, Seminars, awareness camps, rallies, street plays and expert talks	14	 
23.12.20	Celebration of Special Day- KisanDiwas (Farmer's Day)-23 December inviting farmers. Experience sharing on Swachhata initiatives by farmers and civil society officials. Felicitating	23	

	farmers/ civil society officials for exemplary initiatives on Swachhata.		
24.12.20	Swachhta Awareness at local level (organizing Sanitation Campaigns involving and with the help of the farmers, farm women and village youth in new villages not adopted under any schemeby Institutes/ establishments. (Distribution of plants)	15	 
25.12.20	Cleaning of public places, community market places and/or nearby tourist/selected spots.	15	

			
26.12.20	Fostering healthy competition: Organising competition and rewarding best offices/ residential areas/ campuses on cleanliness. Quiz, assay & drawing competitions for school children, village youth.	16	 
27.12.20	Awareness through Whatsapp group	30	
28.12.20	Campaign on cleaning of sewerage & water lines, awareness on recycling of waste water,water harvesting for agriculture/horticulture application/kitchen gardens in residential colonies. Outside campuses/ nearby villages with the involvement of local/ village communities.	15	 

29.12.20	Visits of community waste disposal sites/ compost pits, cleaning and creating awareness on treatment & safe disposal of bio-degradable/ non-bio-degradable wastes by involving civil/ farming community.	8	 
31.12.20	Organization of press conference for highlighting the activities of Swachh Bharat Pakhwada by involving all stake holders including farmers/ VIPs/ press and electronic media.	8	 

Annexure-I

KRISHI VIGYAN KENDRA, AMBALA

Proceedings of Scientific Advisory Committee Meeting

Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, Ambala was convened on 25th September, 2020 in Conference Hall of KVK, Ambala under the Chairmanship of Sh.Akhil Bakshi, President, Society for Creation of Heaven on Earth. The following members participated in the SAC Meeting.

Sr. No.	Name & Designation	Department
1.	Sh.Akhil Bakshi, President	Society for Creation of Heaven on Earth
2.	Dr.M.S.Meena, Principal Scientist (Agril.Extn.) (Online)	ICAR-ATARI, Zone-II, Jodhpur
3.	Dr.Sanket Sharma,ADO	Agriculture Department, Ambala
4.	Sh.Ram Lal, FM	Agriculture Department,Saha
5.	Dr.Devender Chahal, SES (Horticulture)	KVK (CCSHAU),Ambala
6.	Miss Anayta	Society for Creation of Heaven on Earth
7.	Sh.Deepak Jakhar,DDM	NABARD, Ambala
8.	Sh.D.K.Gupta, LDM	Punjab National Bank, Ambala
9.	Sh.Praveen Kumar, Area Manager	IFFCO,Ambala
10.	Sh.Arshdeep,District Youth Coordinator	Nehru Yuva Kendra, Ambala
11.	Sh.Sukhminder Singh, Member	CHC,Sapeda
12.	Sh.Ghola Singh, Progressive Farmer	Sapeda, Ambala
13.	Sh.Surender Kumar	Goli,Ambala
14.	Sh.Rahoul Jasuja,Innovator	Goli,Ambala
15.	Mrs.Mamta, Dairy Farm women	Rampur, Ambala
16.	Sh.Kanwar Pal	Rampur, Ambala
17.	Sh.Abhishek Rana, Organic farmer	Ghasitpur,Ambala
18.	Sh.Shalinder Partap Singh, Organic Farmer	Barara, Ambala
19.	Sh.Baljinder Singh	Dairy farmer, Kheda, Ambala
20.	Dr.Upasana Singh, Member-Secretary	Krishi Vigyan Kendra, Ambala
21.	Er.Guru Prem, SMS (SWM)	Krishi Vigyan Kendra, Ambala
22.	Dr.Amit Kumar, SMS (Horticulture)	Krishi Vigyan Kendra, Ambala
23.	Sh.Vikram Dhirendra Singh, SMS (Plant Protection)	Krishi Vigyan Kendra, Ambala
24.	Sh.Rajendra Kumar Singh, SMS (Agronomy)	Krishi Vigyan Kendra, Ambala
25.	Dr.Naveen Saini, SMS (Ani.Sci.)	Krishi Vigyan Kendra, Ambala
26.	Sh.K.N.Chaudhary, O.S.-cum-Acctt.	Krishi Vigyan Kendra, Ambala
27.	Sh.Abhay Kumar, Farm Manager	Krishi Vigyan Kendra, Ambala
28.	Sh.Dhirendra Singh, Programme Assistant (P.P.)	Krishi Vigyan Kendra, Ambala
29.	Mrs.Meera Sharma, Computer Programmer	Krishi Vigyan Kendra, Ambala
30.	Sh.Charanjeet Singh, Steno	Krishi Vigyan Kendra, Ambala
31.	Sh.Baljinder Singh, Pig Farmer (ARYA)	Tepla,Ambala
32.	Sh.Ved Vyas, Farmer	Ambala

Dr.Upasana Singh, Senior Scientist & Head, KVK, Ambala welcomed the members of the Scientific Advisory Committee. She presented an overview of activities of KVK during the year (2019-20) including - OFTs, FLDs, Training's, Projects as well as extension activities conducted throughout the year. She laid emphasis on the Cluster Front Line Demonstration allotted to KVK for 2019-20. She also presented Action taken report of the previous SAC Meeting :

Suggestions in SAC Meeting held on 9-7-2019	
Salient Recommendations	**Action taken**
Dr. H.N.Meena, Senior Scientist (Agronomy), ICAR-ATARI,Zone-II, Jodhpur	
Increase activities on Maize for diversification	OFT,Awareness & Survey organised on Maize cultiv ation
OFT may be conducted on Weed management in onion including pre & post emergence weedicides	Will conduct this year
Suggestion : Need to Popularise KVK inter-ventions through Sarpanches	Active participation of Sarpanches
Videos should be provided to ATARI	Videos submitted : 12 No.
Er.Vineet Kumar, AAE, Ambala	
Need collaboration in Jal Shakti Abhiyan programmes	Organised various programmes in collaboration with district authorities
Departmental schemes should be presented in KVK activities	Various schemes were highlighted in KVK activities
Dr.Vanadana Bhenot, ADIO,DI Lab,LUVAS,Ambala	
Specify number of farmers in impact studies for dairy training	Suggestion Considered
Sh.Iqbal Singh, Progressive Farmer, Khanpur, Ambala	
Monthly meeting may be organised in villages by KVK	In progress

Deliberations:

During the meeting all KVK SMS presented Achievements (2019-20) , Achievements (Kharif-2020) & Action Plan (January-December,2021) of their related field alongwith the achievements of In-situ Management of Crop Residue, ARYA, CFLD , NARI, SCSP, CSISA, IIWBR, Ex-situ projects etc.Technical session proceed with discussion and later SMS were suggested to achieve all the targets with full enthusiasm & dedication. The major recommendations of the SAC Meeting is as under :

Recommendations/Action Points

Dr. M.S. Meena, Principal Scientist (Agril. Extn.), ICAR-ATARI, Zone-II, Jodhpur

- Presentations should be in Hindi
- Sarpanch Whats-app group should be started by KVK and involve ATARI also.
- Data based presentation of Crop Residue Management Project
- Varietal assessment should not taken in OFT.
- Source of technology should be University/Research Institute and not to take Journal as Resource of Technology
- Suggested to include all SMS in CFLD programmes
- FPO will be registered and established by Er.Guru Prem, SMS (SWM)
- Active participation of SMS (Agronomy) in CRM programmes must be ensured
- Focus on Mushroom enterprises
- Vermi compost should be popularized and 10 units details must be sent to ATARI
- SMS (Horticulture) must look-after the KVK campus beautification
- ATARI must be attached in Whats-app group formed by Home Scientist & ensure active participation of Aanganwadi Workers & CDPO
- Make awareness regarding Azolla among farmers in various KVK programmes.No need to take this in FLDs.
- All SMS to ensure submission of publication in Gyan Ganga issued by ATARI,Jodhpur
- New Banner should be prepared in all programmes.
- Farmers need to display the farm produce viz. Mushroom, Vermi compost etc. During SAC Meeting.Training under ARYA should be started only after approval from ATARI
- All scientists maintain the separate register for all projects

Dr. Sanket Sharma, ADO, Department of Agriculture, Ambala

- Agriculture department should be invited in KVK training programmes for popularizing Govt. Schemes

Sh. Praveen Kumar, Area Manager, IFFCO, Ambala

- Micro-nutrients as deficient in Ambala, therefore include in FLDs & awareness programmes

Photographs of Scientific Advisory Committee Meeting (25-9-2020)

ATTENDENACE OF SAC MEETING (25-9-2020)

KRISHI VIGYAN KENDRA,AMBALA
SCIENTIFIC ADVISORY COMMITTEE MEETING (25-9-2020)
ATTENDANCE SHEET

S.No.	Name & Designation	Department	Mob.No.	Signature
1.	D M Gupta	LDM PNB	9043045227	
2.	[illegible]	[illegible]	9416429334	
3.	Surender Kumar	Goli	9996534871	
4.	RAHUL JASUJA	Goli	8295112448	
5.	[illegible]	Dairy Farmwoman Rampur	9416612791	
6.	Kanwar Pal	Rampur	9416612791	
7.	ABHISHEK RANA	Organic Farmer	7027900097	
8.	Shalinder Partap Singh	Banna	9992131678	
9.	Baljinder Singh	Kheda (Dairy Farmer)	7988902456	
10.	Rajendra Kr Singh SMS	KVK, Ambala	7696942830	

S.No.	Name & Designation	Department	Mob.No.	Signature
11.	Deepak Jakhar, DDM	DDM NABARD	99108-61615	25/9/2020
12.	SUKHMINDER SINGH	SADHERA	9996942693	Sukhminder Singh
13.	Dr Devender Chahal SES (Horticulture)	KVK, Ambala city	9416180794	
14.	Abhay Kemal Farm Manage	K.V.K. Tepla, Ambala	9416113081	
15.	Meera Sharma Computer Poogram	K-V-K. Tepla	9467677752	
16.	Chiranjit Singh Steno	KVK Tepla	8684070786	
17.	K.N. Chaudhary O.S-cum Accts	KVK Tepla		
18.	Dr. M.S. Meena P.S (Agric Extn.	ATARI, Jodhpur	online through Zoom	
19.	Miss Anatya	SCHE		
20.	AKHIL BAKSHI PRESIDENT	Society for Creation of Heavenm Earth		
21.	[illegible]	Pig Unit (ARYA) Tepla		

S.No.	Name & Designation	Department	Mob.No.	Signature
22.	Sanket Sharma ADO - Sahs	Agriculture	8999693008	
23.	Parveen Kumar	IFFCO	9729874122	
24.	Ramlal Pm Sahs	Agriculture	9466210595	
25.	Mech Engr Ved Vyas	Agriculture Farmer	9350802821	
26.	Anshdeep Dist. Youth Coordinator	Nehru Yuva Kendra Ambala	8284980355	
27.	Er. Gurpreet	S.MS SWM	9416355892	
28.	Dr Uttama	Sr. Scientist & Head	8295401560	
29.	Dr. Naveen Saini SMS (Ani. Sci.)	KVK, Ambala		
30.	Dr. Amit Kumar	Horticulture	9991567854	
31.	Dhirendra Singh	Programme Assistant	9729519503	
32.	Dr. V.D. Singh SMS (P.P)	KVK, Ambala		

Annexure –II

(Practicing farmers, Rural Youth and Extension Functionaries)

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	Total	M	F	Total	M	F	Total
I. PRACTICING FARMERS															
5-8 June,20	PF	Integrated Crop Management on Kharif Pulses	Agronomy	Integrated Crop Management	4	KVK	20	0	20	0	0	0	20	0	20
7-10 Oct.20	PF	Integrated Management of Oil seed crops	Agronomy	Integrated Crop Management	4	KVK	14	0	14	6	0	6	20	0	20
		Total (2)					**34**	**0**	**34**	**6**	**0**	**6**	**40**	**0**	**40**
20-2-20	PF	Promote Energy Efficient Agricultural Pumpsets	Soil & Water Management	Repair & maintenance of farm machinery & implement	1	KVK	101	4	105	2	0	2	103	4	107
18-23 May,20	PF	Method of taking soil samples & importance of its analysis	Soil & Water Managemen	Soil & water Testing	5	Ratanheri	15	0	0	5	0	0	20	0	20
23 July,2020	PF	Soil testing based fertilizer application in paddy	Soil & Water Management	Balanced use of Fertilizer	1	Akbarpur & Tepla	15	0	15	0	0	0	15	0	15
16-20 March,20	PF	In-situ Crop Management	Soil & Water Management	Repair & maintenance of farm machinery &	5	Hameedpur	7	0	7	18	0	18	25	0	25

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	Total	M	F	Total	M	F	Total
				implement											
21-26 Oct.20	PF	Crop Residue Management	Soil & Water Management	Repair & maintenance of farm machinery & implement	5	Jawahargarh	25	0	25	0	0	0	25	0	25
5-9 Oct.20	PF	Crop Residue Management	Soil & Water Management	Repair & maintenance of farm machinery & implement	5	Gheldi	25	0	25	0	0	0	25	0	25
20-25 Nov.20	PF	Crop Residue Management	Soil & Water Management	Repair & maintenance of farm machinery & implement	5	Haldari	20	0	20	5	0	5	25	0	25
		Total (7)					**208**	**4**	**212**	**30**	**0**	**30**	**238**	**4**	**242**
15-18 March,20	PF	Integrated Crop Management of Squash Melon	Horticulture	Integrated Crop Management	4	KVK	15	0	15	0	0	0	15	0	15
1-4 Oct.20	PF	Integrated Crop Management of Tomato	Horticulture	Integrated Crop Management	4	KVK	14	0	14	0	0	0	14	0	14
25-30 Oct.20	PF	Integrated Crop Management of Potato	Horticulture	Integrated Crop Management	4	KVK	12	0	12	0	0	0	12	0	12
		Total (3)					**41**	**0**	**41**	**0**	**0**	**0**	**41**	**0**	**41**
5-9 March,20	PF	Women empowerment through	Animal Science	Poultry Management	5	KVK	0	18	18	0	5	05	0	23	23

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	Total	M	F	Total	M	F	Total
		Backyard Poultry													
		Total (1)					**0**	**18**	**18**	**0**	**5**	**05**	**0**	**23**	**23**
6-9 March,20	PF	Kitchen garden for sustainable livelihood	Home Science	Household food security by kitchen gardening and nutrition gardening	4	KVK	0	11	11	0	24	24	0	35	35
5-8 Sep.20	PF	Role of Kitchen garden for improvement of family health & Nutrition	Home Science	Household food security by kitchen gardening and nutrition gardening	4	KVK	0	5	5	0	40	40	0	45	45
17-20 Sep.20	PF	Design & development of low/minimum cost diet	Home Science	Design & development of low/minimum cost diet	4	Chhajanmajra	0	8	8	0	32	32	0	40	40
15-18 Oct.20	PF	Women empowerment through establishment of income generating units		Women Empowerment	4	KVK	0	10	10	0	28	28	0	38	38
		Total (4)					**0**	**34**	**34**	**0**	**124**	**124**	**0**	**158**	**158**
		Grand Total (17)					**324**	**56**	**380**	**36**	**129**	**165**	**319**	**185**	**504**

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	Total	M	F	Total	M	F	Total
II. Rural Youth															
17-2-20 to 12-3-20	RY	Assistant Gardener	Horticulture	Planting Material Production	25	KVK	19	0	19	1	0	1	20	0	20
1-8 March,20	RY	Value Addition	Home Science	Value additiion	8	KVK	0	7	7	0	15	15	0	22	22
13-23 March,20	RY	Organic farming	Agronomy	Organic farming	11	KVK	23	1	24	0	0	0	23	1	24
7-8-2020 to 20-9-20	RY	Animal Health Worker	Animal Science	Production & Management	45	KVK	14	1	15	1	4	5	15	5	20
15.9.20 to 5.10.20	RY	Mushroom cultivation & marketing	Plant Protection	Mushroom Production	21	KVK	25	2	27	19	0	19	44	2	46
18-28 Sept.20	RY	Mushroom cultivation (ARYA)	Plant Protection	Mushroom Production	10	KVK	19	0	19	1	0	1	20	0	20
18-28 Sept.20	RY	Mushroom cultivation (SCSP)	Plant Protection	Mushroom Production	10	KVK	8	0	8	14	1	15	22	1	23
21-10-20 to 10-11-20	RY	Commercial Dairy Farming	Animal Science	Production & Management	21	KVK	22	3	25	2	0	2	24	3	27
14-18 Dec., 20	RY	Improved Crop Production through innovative sprayer technique (SC)	Soil & Water Management	Farm Machinery & its management	5	KVK	0	0	0	15	0	15	15	0	15
3-23 December,20	RY	Commercial Pig Farming	Animal Science	Production & Management	21	KVK	27	0	27	3	0	3	30	0	30
1-7	RY	Management of	Horticulture	Planting	7	Hamidpur &	3	0	3	34	0	34	37	0	37

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	Total	M	F	Total	M	F	Total
December,20		Orchard plants (SC)		Material Production		KVK									
26 Nov.1 December,20	RY	Poultry farming (SC Scheme)	Animal Science	Poultry farming	6	KVK	0	0	0	0	30	30	0	30	30
		Grand Total (12)					**160**	**14**	**174**	**90**	**50**	**140**	**251**	**64**	**315**
III. Extension Functionaries															
5 March,20	EF	Importance of Kitchen gardening	Home Science	Household food security by kitchen gardening and nutrition gardening	1	KVK	0	11	11	0	22	22	0	33	33
5-8 Sep.20	EF	Role of Kitchen garden for improvement of family health & Nutrition	Home Science	Household food security by kitchen gardening and nutrition gardening	4	KVK	0	20	20	0	2	2	0	22	22
17.9.20	EF	Household food security by kitchen gardening and nutrition gardening	Home Science	Household food security by kitchen gardening and nutrition gardening	1	KVK	0	47	47	0	3	3	0	50	50
		Total (3)					**0**	**78**	**78**	**0**	**27**	**27**	**0**	**105**	**105**
		Grand Total (I+II+III) 17+12+3=32					**443**	**148**	**591**	**126**	**206**	**332**	**570**	**354**	**924**

TECHNOLOGY ASSESSMENT

1) Weed Management

Weed management in spring maize was assessed by KVK, Ambala using herbicide Tembotrione (Laudis) as post emergence application for management of grass and broadleaf weeds. T_1 farmers are using only one weeding and not use any herbicide few farmers using Pre-emergence herbicide of Pendamethaline @ 2.5 liter per ha in Spring maize crop. Tembotrione (Laudis) developed by Byar Crop Science recommended for control of broadleaf & grasses weed in Spring maize. With dosage of 287.5 ml /ha as post emergence at 4 leaf stage. Results pointed out that farmers are satisfied using this weedicide in groundnut instead of one hand weeding maize is beneficial (B C ratio 2.81pf T_1 whereas economic (Rs. 74268/ha) due to increase yield by 15% over control.

2) Farm Machinery

Krishi Vigyan Kendra, Ambala conducted trial for assessment of wheat sowing methods through Happy Seeder. We have found wheat sowing with Happy Seeder after paddy harvesting by SMS fitted, given 13.15% higher yield due to higher tiller per m^2. The net return was also higher i.e. Rs. 96225 in assessed trial than Rs.79490 in farmer practice. Due to less cost of cultivation the BCR was also higher in assessed technology i.e. 4.34 in comparison to 3.57 in farmer practice.

3) Varietal Evaluation

Krishi Vigyan Kendra, Ambala conducted a trial on varietal assessment of Rapeseed Mustard i.e. TL-15 as farmer practice (T_1) and GSC-7 as assessment variety (T_2). We have found that the average plant height of (T_1) variety was 112 cm. and 168 cm of (T_2) vareity. Due to 29.86 % higher yield in (T_2) i.e. 19.48 qtl/ha as compared to 15.0 qtl/ha in (T_1). The net return and BCR was also higher i.e. Rs. 66,999/ha & 4.49 as compared to 48,075 /ha & 3.62 respectively in (T_1). Farmers were satisfied with the result of Gobhi sarson variety (GSC-7).

4) Varietal Evaluation

Krishi Vigyan Kendra, Ambala conducted varietal assessment of Wheat using local (PBW-677) T_1 & HD-3226 (T_2) varieties of Wheat crop. In this trial we have observed the higher number of tillers/ m^2 & plant height (cm) i.e. 410/- and 100.50/- in T_2 than 359.00/- and 107.50/- T_1 respectively. The results of the trial indicated that variety of Wheat HD-3226 (IARI, New Delhi) earned the maximum net returns (Rs.67829/- yielding 51.08 q/ha with B:C ratio 3.22) followed by T_1 (Rs.48906/- yielding 41.25 q/ha with B:C ratio 2.60) respectively and increase in yield 23.83 %. Farmers were satisfied with the results of HD-3226 Wheat variety.

5) Varietal Evaluation

Krishi Vigyan Kendra, Ambala conducted a trial on varietal assessment using two treatments viz; T_1- Kalli Patti Pyaz (Farmer's practice) and T_2 –NHRDF RED-3 (NHRDF,Karnal). The results of the trial indicated that NHRDF RED-3 variety earned the maximum net returns (Rs 1,05,000/- yielding 212.5 q/ha with B:C ratio 2.61) followed by T_1 (Rs 79,000/- yielding 180 q/ha with B:C ratio 2.21) and increase in yield 18.05%. Farmers were satisfied with the results of NHRDF RED-3 variety of Onion.

6) Varietal Evaluation

Krishi Vigyan Kendra, Ambala assessed Squash Melon variety Punjab Tinda-19 of PAU, Ludhiana (T_2) in comparision to Tinda- 48 (T_1) Farmer practice. The results of the trails indicate that Punjab Tinda-1 (T_2) No. of Fruits/ vine (12-13) and immature Fruit weight (60 gm) was higher than Famer practice. It was observed that Treatment T_2 (Punjab Tinda-1) increase 18.57% as comprasion to Farmers Practice . The vareity earned the maximum net return in T_2 (Rs.42,250/-) & T_1 (Rs.32,050/-) with BC ratio (Punjab Tinda-1) is 3.11 was higher than Farmers practice (2.62). Farmers were satisfied wih the result of Punjab Tinda-1.

7) Varietal Evaluation

Krishi Vigyan Kendra, Ambala assessed variety of Pea (AP-3) in Rabi season using two treatment T_1 –RH-10 (F.P.) and T_2 – AP-3 (PAU, Ludhiana). The results of the trail indicates that No. of grain/pods (8-10) which was higher than Farmer practice (7-8). Variety AP-3 the maximum Net return Rs. 20,000/- & yield 50 qtl/ha with BC ratio 1.66 followed by treatment T_1 (Rs.16,000/- & yield 46 qtl/ha with BC ratio 1.53 & increase in percentage 8.69. Farmers were satisfied with the result of variety AP-3.

8) Livestock (Feeding Management)

- Prebiotic containing refined functional carbohydrates (RFCs) assessed by KVK Ambala on retarded growth and weak immunity of female HF cattle calves using with control fed milk replacer as such only as follow :-
  T1- available Milk replacer only ; T2-T1+ Supplementation with prebiotic containing RFCs @ 4-12 ml/day increasing gradually since 7 days old upto weaning and then 6 month of age. It was observed that calves under T2 group gained more weight (Average 154 Kg) in compare to T1 (142 Kg) Besides, Calves under T2 show less feed/gain (1.65) in compare to T1(1.92) as well as 40 % less medical expenses cost than T1 with Nil morbidity and mortality as compare to 5 & 2 respectively in case of T1. Hence, feeding of 4-10 ml/day/calf prebiotic containg RFCs with milk replacer is recommended since 7 days old calf to 6 months of age.

9) Livestock (Production with Nutrient Management)

- Dietary cation-anion difference balancing diet was assessed by KVK Ambala to optimize milk productivity in dairy cattles using DCAD balancing feed supplements at pre and post calving stages in T2 as follows :-
  T1- Standard balanced diet without DCAD balancing ; T2 – T1 + DCAD balancing supplement (Biochlor @ 800 – 1200 g/ani/day gradually for 20 days before calving and DCAD Plus @ 100 gm/ani/day along with Sodium bi-carbonate @ 200 gm/ani/day for 1 month after calving. The results showed that cows under T2 group yielded on an average more milk/day (29 lit) with more B:C ratio (2.829) as compared to cows under T1 group which yielded less milk/day (23 lit) and less B:C ratio (2.139). Also net profit was recorded from the cows under T2 group (750/unit) was more than T1 group (490/unit). In addition to this Incidence of milk fever remain Nil in animals grouped under T2 while 3 cases found in animals grouped under T1. Hence, supplementation with DCAD negative suppliments like Biochlor @ 800-1200 gm/day/animal gradually for 20 days before calving and DCAD Plus @ 100 gm/ani/day along with Sodium bi-carbonate @ 200 gm/ani/day for 1 month after calving is recommended

for successful parturition and optimum milk production by dairy cattles.