

## DETAILS OF ACTION PLAN OF KVKs DURING 2022

(1<sup>st</sup> January 2022 to 31<sup>st</sup> December 2022)

### **1. GENERAL INFORMATION ABOUT THE KVK**

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Nafed Complex, Village & Post -Ujwa, Nazafgarh, New Delhi - 110073	9667971155	011- 28525129	kvkujwa@yahoo.com	www.kvkdelhi.org

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

Address	Telephone		E mail	Website
	Office	FAX		
National Horticultural Research & Development Foundation (NHRDF), 47, Pankha Road Institutional Area, Janakpuri, New Delhi, Pin: 110058	011- 28522211, 28524150	011-28525129	delhi@nhrdf.com	www.nhrdf.org

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. P.K. Gupta	011- 45608126	8888867619	headkvkujwa@gmail.com

1.4. Year of sanction: 1995

1.5. Staff Position (as on 28 February, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/)	Mobile no.	Age	Email id
1	Sr. Scientist cum Head	Dr P.K. Gupta	Sr Sc. & Head	Horticulture	L-13 A	147910	28.02.17	Per.	Gen	8888867619	51	kvkujwa@yahoo.

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2	Subject Matter Specialist	Ritu Singh	SMS	Home Science	L-10	87450	10.02.05	-do-	Gen	9818550652	48	-do-
3	Subject Matter Specialist	Rakesh Kumar	SMS	Horticulture	L-10	87450	22.09.05	-do-	Gen	9313047633	47	-do-
4	Subject Matter Specialist	Dr. D. K. Rana	SMS	Plant Protection	L-10	75400	5.05.10	-do-	Gen	9310904705	46	-do-
5	Subject Matter Specialist	Dr Samar Pal Singh	SMS	Agronomy	L-10	59540	25.05.18	-do-	Gen	8650399054	33	-do-
6	Subject Matter Specialist	Sh Kailash	SMS	Agriculture Extension	L-10	59540	27.06.18	-do-	Gen	9413060922	32	-do-
7	Subject Matter Specialist	Dr Jai Parkash	SMS	Animal Husbandry	L-10	56100	3.9.21	-do-	Gen	9813803111	36	-do-
8	Programme Assistant	Brijesh Yadav	PA	Soil Science	L-6	43570	17.02.14	-do-	Gen	8178929760	38	-do-
9	Computer Programmer	Manju	PA	Computer Science	L-6	52020	2.05.08	-do-	Gen	7065787046	40	-do-
10	Farm Manager	Ram Sagar	Farm Manager	Horticulture	L-6	36470	1.03.19	-do-	Gen	9718666917	29	-do-
11	Accountant / Superintendent	Subedar Pandey	OSCA	M Com	L-6	49030	24.3.21	-do-	Gen	8953751501	55	-do-
12	Stenographer	Atma Ram	Store Keeper	Higher Secondary	L-4	34300	10.02.05	-do-	Gen	9911395569	54	-do-
13	Agromet Observer	Vishal	Agromet Observer	Higher Secondary	L-4	8460	1.3.19	-do-	Gen	9466803902	24	-do-
14	Driver	Rajesh Kumar	Driver	Secondary	L-3	32960	02.02.05	-do-	Gen	9466803902	47	-do-
15	Driver	Krishan	Driver	Secondary	L-3	30180	02.05.08	-do-	Gen	9013553955	51	-do-
16	Supporting staff	Ramesh Chander	Attendant	Secondary	L-2	28020	10.02.05	-do-	Gen	9899426775	50	-do-
17	Supporting staff	Sachin Kumar	Attendant	Agriculture	L-2	19060	18.05.18	-do-	Gen	8506920345	28	-do-

1.6. Total land with KVK (in ha)

: 16.9

S. No.	Item	Area (ha)
1	Buildings	0.10
2.	<b>Demonstration Units</b>	
	Mushroom unit -250 m <sup>2</sup>	2.6
	Vermicompost unit -500 m <sup>2</sup>	
	Azolla unit-25 m <sup>2</sup>	
	Insect proof net house-50 m <sup>2</sup>	
	Apiculture-25 box	
	Kinnow with Drip Irrigation -0.2 ha	
	Aonla & Bael orchard-1.4 ha	
	Water harvesting -200 m <sup>2</sup>	
	Rain Water Harvesting Pond -300 m <sup>2</sup>	
	Kitchen Garden – 0.1 ha	
	Crop Cafeteria – 0.2 ha	
	Drumstick Orchard – 0.2 ha	
	Solar Farm Unit- 0.40 ha	
3.	Crops (Seed Production)	11.2
4.	Others if any	
	a. Forestry	1.78
	b. Onion storage	1.35
	<b>Total</b>	<b>16.9</b>

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	17.2.2011	548.3	54,38,664/-	NA	-	
2.	Farmers Hostel				NIL			
3.	Staff Quarters				NIL			
4.	Demonstration Units:							
I.	Pasteurized compost Mushroom unit	State Govt	1998	250 m <sup>2</sup>	12,10,000/-			
II.	Vermicompost unit	NHRDF	2019	500 m <sup>2</sup>	200000/-			
III.	Azolla unit	NHRDF	2018	25 m <sup>2</sup>	25000/-			
IV.	Insect proof net house	NHRDF	2018	50 m <sup>2</sup>	125000/-			
V.	Apiculture	NHRDF	2018	20 box	100000/-			
VI.	Kinnow & Aonla orchard	NHRDF	2019	3.5 acre	250000/-			
VII.	Water harvesting	ICAR	2017	200 m <sup>2</sup>	150000/-			
VIII.	Drip irrigation system	NHRDF	2019	2 acre	360000/-			
IX.	Solar farm demonstration unit	NCT, Delhi	2021	2000 m <sup>2</sup>	1,03,25,000/-			
X.	Goat demonstration unit	ICAR	2022	30 m <sup>2</sup>	2,00,000/-			
5	Fencing				NIL			
7	Threshing floor	ICAR	17.2.2011	222.3	1,92,031/-			
8	Farm godown	ICAR	31.3.2011	35.0	1,99,869/-			
	Other				NIL			

B ) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms Run	Present status
Scooter	1995	21818	-----	Not working
Motorcycle	2000	47063	51784	Not working
Jeep	2017	800000	75821 km	Working
Tractor	2017	700000	1598 (hours)	Working

\*In hours

**C) Equipment & AV aids**

<b>Sr. No</b>	<b>Name of the equipment</b>	<b>Number of Equipment</b>	<b>Year of purchase</b>	<b>Cost (Rs.)</b>	<b>Present status</b>
1.	Air conditioner	1	2012	33975	Good
2.	Air Conditioner	1	2017	121600	
3.	Airtel 4G home Wi-Fi router	1	2018	2500	
4.	AV Aids Unit	1	2021	112625	
5.	B.O.D. incubator	1	2012	107730	
6.	Bag Closer Machine	1	2019	5040	
7.	Brio Web Cam	1	2021	23600	
8.	Camera	1	2010	1000	
9.	Camera Stand	1	2021	885	
10.	CC TV Unit	1	2020	244147	
11.	Ceiling speakers	6	2018	6018	
12.	Colony counter	1	2012	6156	
13.	Computer	1	2010	25725	
14.	Computer	1	2011	24210	
15.	Computer	1	2012	34000	
16.	Computer	1	2017	80850	
17.	Computer	1	2019	107100	
18.	Conference Speaker	1	2021	16500	
19.	Cultivator	1	2002	10900	
20.	Cultivator	1	2017	23800	
21.	Desert Cooler	5	2014	25594	
22.	Desert cooler	1	2019	10000	
23.	Digital still camera	1	2017	28000	
24.	Directional leveler condenser microphone	1	2020	949	
25.	Double Wheel Berrow Trolley	1	2012	4275	
26.	EC meter	1	2012	21038	
27.	Electric balance	1	2012	42750	
28.	Electric weighing machine	1	2020	1200	
29.	Electronic balance	1	2017	4000	
30.	Fertilizer Broadcaster	1	2008	900	
31.	Finger print attendance machine	1	2014	11250	

32.	Fire extinguisher	3	2018	6372
33.	Flame photometer	1	2012	60750
34.	Gardner Sprinkler	1	2011	425
35.	Generator	1	2011	59000
36.	GPS Device Tracker*	1	2019	7000
37.	Gramin GPS 72 H	1	2017	9984
38.	Happy seeder 10 row	2	2018	332640
39.	Harrow	1	1999	8600
40.	Harrow	1	2017	57000
41.	Head phone	1	2017	400
42.	Head phone	1	2020	1050
43.	Heat convector	2	2014	1800
44.	Hot air oven	1	2012	45016
45.	Hydraulic reversible 2MB plough	1	2018	135615
46.	Hygrometer	1	2012	473
47.	Inverter set	1	2016	24700
48.	Juicer Mixer Grinder	1	2009	2050
49.	Laminar flow	1	2012	78874
50.	Laptop	1	2011	36170
51.	Laptop	1	2012	37000
52.	Laptop	1	2020	88500
53.	Lawn mover	1	2012	12915
54.	LCD Multimedia Projector	1	2007	97000
55.	LCD Multimedia projector	1	2017	52490
56.	Lecture stand	1	2017	8000
57.	LED TV	1	2017	72000
58.	Leveler	1	2017	13000
59.	Mega phone	1	2002	2100
60.	Microscope	1	2012	37822
61.	Mobile Hand Set	1	2020	15000
62.	Mrida parikshak soil testing Mini Lab	1	2015	75000
63.	Mrida parikshak soil testing Mini Lab	2	2017	90300
64.	Mulcher single speed	2	2018	336000

65.	PA Microphone	1	2018	3835
66.	PA Mixture amplifier	1	2018	8791
67.	PA Wireless Microphone	1	2018	5015
68.	pH meter	1	2012	19687
69.	Photocopier machine	1	2011	35000
70.	Planker (wood pata with chain)	1	2016	8947
71.	Plastic palates	8	2016	29560
72.	Plus Oximeter	1	2020	700
73.	Post hole digger	1	2012	42748
74.	Printer	1	2009	1850
75.	Printer	1	2010	7035
76.	Printer	1	2012	5350
77.	Printer	1	2017	15044
78.	Printer	1	2018	10400
79.	Printer	1	2021	13405
80.	Projector screen	1	2018	16461
81.	Refrigerator	1	2011	11200
82.	Refrigerator	1	2012	32600
83.	Reverse Osmosis (RO)	1	2014	15500
84.	Reverse Osmosis (RO)	1	2016	16500
85.	Room cooler	3	2012	20402
86.	Rotavator	2	2019	220000
87.	Sanitizer stand	1	2020	2124
88.	Scanner*	1	2010	4148
89.	Seed drill	1	1997	6150
90.	Shrub master	2	2018	103040
91.	Small autoclave	1	2012	67280
92.	Speaker	1	2010	1733
93.	Spectrophotometer	1	2012	39150
94.	Spray pump tractor mountain	1	2021	40500
95.	Sprit lamp	2	2012	157
96.	Stabilizer	4	2009	26680
97.	Stabilizer	1	2012	2000

98.	Stabilizer	3	2017	9000
99.	Stand Holder for Mobile phone & Camera	1	2020	699
100.	Straw reaper cum trolley	1	2012	342000
101.	TATA sky DTH connection	1	2018	2530
102.	Telephone land line	1	2021	2290
103.	Thermometer	1	2020	1000
104.	Tractor trolley*	1	1998	11000
105.	Tractor Trolley	1	2002	52970
106.	Trolley	1	2016	158832
107.	UPS	1	2013	2100
108.	UPS	2	2017	4106
109.	UPS	2	2018	4800
110.	UPS	2	2019	4300
111.	UPS	1	2021	2350
112.	Video Camera*	1	2002	59990
113.	Water cooler	1	2009	19700
114.	Water cooler	1	2016	20267
115.	Water distillation	1	2012	25650
116.	Water Tanker	1	2020	86140
117.	Webcam	1	2020	2950
118.	Weed cutter	1	2012	24675
119.	Wfi Connection Unit	1	2021	12502
120.	Wheel Hand Hoe	1	2007	400
121.	Wireless walkie phone*	1	2018	1750
122.	Zero seed cum fertilizer drill	1	2019	57000
123.	Zero till seed cum fertilizer	1	2012	47500
124.	Zero Till Seed cum Fertilizer Drill	3	2018	183849

**\*Required repair**



1.8. A). Details SAC meeting\* conducted in the year

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	30.10.2021	<p>Dr. Bijender Singh President, NHRDF(virtual mode)</p> <p>Dr. R. P. Gupta Ex-Director, NHRDF, Delhi(virtual mode)</p> <p>Dr. B. S. Tomar, Joint Director (Ext) ICAR-IARI, Pusa, Delhi</p> <p>Sh. Dalbir Singh, Govt of NCT Delhi,</p> <p>Sh. Vijay Dagar, Deptt of Animal Husbandry, GNCT, Delhi</p> <p>Shiv Nand Lal, Prog. Executive All India Radio, New Delhi</p> <p>Sh. Kuldeep Chand, Dy. Manager, NABARD, New Delhi</p> <p>Mrs. Geeta Devi, Lady Farmer,</p>	<ol style="list-style-type: none"> <li>1. SMS (H.Sc.) should focus on post-harvest management, value addition of agricultural and horticultural products especially millets because the year 2023 has been declared by the WHO as a World Millet Year and has been organising various awareness and training programmes in view of nutritional security by millet and its products.</li> <li>2. KVK should focus on production of quality seeds of okra, mustard, palak and other crops &amp; varieties demanded by the farmers. So that the quality seed of such crop could be provided to them.</li> <li>3. Scientists should visit farmers' field in group minimum twice in a week to understand their problems and recommend the new technologies and new varieties.</li> <li>4. SMS (Agro.) should focus on testing salt tolerant varieties of cereals, pulses and oilseeds at KVK farm and recommend the same to farmers if result is satisfactory to enhance the productivity of crops.</li> <li>5. In the "On Farm Trial" of plant protection, pesticides be used as per CIB&amp;RC recommendation as well as their residual effect.</li> <li>6. Committee also recommended KVK should focus on branding of KVK products in a big way to generate awareness among farmer and consumers to maximise revenue to meet the expenses of KVK.</li> </ol>	Under process

		<p>Vill. Ujwa, New Delhi</p> <p>Dr Ashok Kumar, Director, ICAR-NBPGR, Pusa, Delhi</p> <p>Director, Delhi Doordarshan Kendra,</p> <p>Sh. Ram Kumar, Dabur Kisan Club, Vill. Galipur, Delhi</p> <p>Sh. Tribhavan, Farmer, Delhi</p> <p>Dr. P K Gupta, Head &amp; Member Secreatry, KVK, Ujwa, Delhi</p> <p>Dr. Ritu Singh SMS (HS), KVK, Ujwa, Delhi</p> <p>Sh. Rakesh Kumar SMS(Hort.), KVK, Ujwa, Delhi</p> <p>Dr. Devender Rana SMS (PP), KVK, Ujwa,Delhi</p> <p>Dr. Samarpal Singh SMS (Agro), KVK, Ujwa, Delhi</p>	<ol style="list-style-type: none"> <li>7. The honey bee box was used for training as well as for honey products without migration. SMS (PP) should think the ways to enhance the honey bee boxes and also explore possibility of migration of bee boxes.</li> <li>8. In the present scenario, ICT application has become most popular and easy to reach the world community. The committee suggested to make effective use of ICT tools/social media like you tube, Instagram, twitter, email, SMS, face book, mobile app to popularize its activities so that the target group could reap benefits from the activities of KVK.</li> <li>9. KVK also organised exposure visit for farmers of NCT, Delhi to show them the 3-tier farming system of solar.</li> <li>10. KVK should also prepare a video of successful entrepreneurs/ farmers who have been benefited from the KVK activities. So that other stakeholders could be motivated to participate in the activities of KVK.</li> <li>11. KVK should organise dietary camp, AI, improve the breed, vaccination to solve the problems of farmers in respect of Animal Husbandry in collaboration with Dept. of Animal Husbandry, GNCT, Delhi.</li> <li>12. Women in large number are involved in Animal Husbandry activities. During the training programme focus should be given on value addition of different milk products.</li> <li>13. The seeds and other products and training programmes of KVK may be popularized through DD Kisan Channel &amp; Radio.</li> </ol>	
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		<p>Sh. Kailash SMS (Ext.) KVK, Ujwa, Delhi</p> <p>Dr Jai Parkash, SMS (AH),KVK,Ujwa, Delhi</p> <p>Mrs. Manju PA(Comp. Sc.), KVK, Ujwa, Delhi</p> <p>Sh. Brijesh Yadav, PA (Soil Sc.) KVK, Ujwa, Delhi</p>	<p>14. The Committee also emphasised on giving more attention to developing kitchen garden to promote nutrient rich varieties.</p> <p>15. The Government of India is paying focused attention to promote organic farming. KVK should also develop an organic block and reflect the soil status data on the board for demonstration purpose as well as to promote organic farming through different extension modes.</p> <p>16. SMS (AH) was advised to make the survey of farmers' field to understand their cropping and make recommendation accordingly from time to time.</p> <p>17. SMS (AM) was also advised to prepare the data of beneficiaries of KVK on monthly basis and make efforts to enhance the number of beneficiaries.</p>
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**Note : This yellow mark may be treated as an example**

**\* Attach a copy of SAC proceedings along with list of participants**

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

Sl.No.	Date
1. Scientific Advisory Committee	19/8/2022

**2. DETAILS OF DISTRICT**

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

S. No	Farming system/enterprise
1	Agri-Dairy system (with rice in <i>kharif</i> and wheat in <i>rabi</i> as major crops)
2	Agri- Dairy system (Mustard as major oilseed crop and Jowar/Bajra as fodder crop)
3	Agri- Horticulture (Floriculture) system
4	Agri- Horticulture (Mushroom) system
5	Agri- Vegetables-Dairy system

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

### a) Soil type

S.No	Agro-Climatic Zone	Characteristics
1	Trans- Gangatic Plains region (Zone VI)	Semi-Arid, low rainfall, variation in temperature (2 - 47 <sup>0</sup> C), frost occur once or twice in the year.

### b) Topography

S. No.	Agro ecological situation	Characteristics
1	Climate	The state has three seasons viz., winter (Nov-Jan), summer (Apr-June) & Rainy season (June - Oct). The rainfall occurs during the month of July-Sept with occasional showers during Dec- Jan. The range of rainfall between 420-780 mm.

## 2.3 Soil Types

S. No	Soil type	Characteristics	Net cultivated area (in ha)
1	Sandy loam	Light to medium in texture, low water holding capacity, pH slightly saline with low organic matter content. Wide range of crops can be grown but constraint is saline water for irrigation.	33455

## 2.4. Area, Production and Productivity of major crops cultivated in NCT, Delhi

S. No	Crop	Area (ha)	Production (MT)	Productivity (Q/ha)
1	Paddy	6123	28530	46.6
2	Wheat	18090	81405	45.0
3	Barley	50	200	40.0
4	Bajra	1365	3750	27.5
5	Maize	20	102	51.0
6	Jowar	2890	2750	9.50
7	Gram	60	120	20.00
9	Mustard	4240	9750	23.0
11	Vegetable	22389	289492	-
12	Flowers	5645	-	-

Source: Development Department, GNCT Delhi

## 2.5. Weather data (2021)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	65.7	18.0	6.0	90.7	62.6
February	7.0	26.4	8.7	88.6	37.7
March	2.0	32.0	15.0	80.4	34.8
April	5.4	37.0	18.3	68.0	32.1
May	215.0	36.4	23.2	68.6	46.0
June	50.1	37.5	26.0	73.8	50.3
July	514.5	36.1	27.3	84.5	67.6
August	255.8	34.6	26.6	88.0	69.9
September	528.6	32.4	24.8	90.4	77.4
October	127.7	32.3	19.3	88.7	59.5
November	0.0	27.1	10.6	91.6	52.0
December	9.6	21.7	7.1	90.6	65.2
Average	148.4	30.9	17.7	83.6	54.5

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

Category	Population	Production	Productivity
<b>Cattle</b>	<b>86433</b>		
<i>Crossbred</i>	47935	606232 Litre Milk	12.65 Litre/ Animal/ Day
<i>Indigenous</i>	24498	97683 Litre Milk	3.98 Litre / Animal/ Day
<b>Buffalo</b>	162142	1286925 Litre Milk	7.94 Litre / Animal/ Day
Sheep	932		
<i>Crossbred</i>	654	9425 Kg Meat	14.4 Kg / Animal
<i>Indigenous</i>	278	3529 Kg Meat	12.6 Kg / Animal
<b>Goats</b>	30470	262042 Kg Meat	8.6 Kg / Animal
<b>Pigs</b>	76346		
<i>Crossbred</i>	8581		
<i>Indigenous</i>	67765		
<b>Rabbits</b>	6706		
Poultry	44000	58225 Kg Meat	1.33 Kg/ Bird
Hens	32202		
<i>Desi</i>	20530		
<i>Improved</i>	2667		
Ducks	2140		
Turkey and others	1329		

Source: Development Department, GNCT Delhi

2.7 Details of Operational area / Villages Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Alipur	Alipur	Tigipur	<p><b>Kharif</b> – Paddy, Tomato, Cucurbits, Okra &amp;, Brinjal, Radish, Spinach &amp; tomato</p> <p><b>Summer-</b> Okra, Tomato, Brinjal, bottle gourd, sponge gourd, Radish</p> <p><b>Rabi</b> - Wheat, Cauliflower, Spinach, Radish, Onion, Pea, Marigold,</p> <p><b>Enterprises:</b> Mushroom, Vegetables, Dairy Floriculture and FPO</p>	<ul style="list-style-type: none"> <li>• Problem of weeds</li> <li>• Intensive tillage practices in rice -wheat system &amp; lower cropping intensity</li> <li>• Problem of shoot fruit &amp; borer in okra</li> <li>• DBM in cauliflower &amp; Cabbage</li> <li>• Problem of stem borer and bakane disease in paddy crop</li> <li>• Repeat breeding due to prevailing feeding practices</li> <li>• Nutritional deficiency in onion, cucurbits, okra &amp; tomato</li> <li>• Off season vegetable production.</li> </ul>	<ul style="list-style-type: none"> <li>• Crop diversification through inclusion of pulse crop in paddy-wheat system</li> <li>• Integrated weed management in paddy, wheat</li> <li>• Integrated nutrient management in okra.</li> <li>• Resource conservation practices</li> <li>• Integrated pest management</li> <li>• Off season vegetable cultivation &amp; nursery raising under protected cultivation</li> <li>• Integrated crop management</li> <li>• Post-harvest management of vegetable crops</li> <li>• Soil test-based fertilizer recommendation (STFR).</li> <li>• Organic crop production</li> <li>• Integrated farming system</li> <li>• Balanced feeding ration</li> <li>• Use of specific minimal supplements for dairy animals</li> <li>• Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, mushroom production, fruits &amp; vegetable processing.</li> </ul>
		Palla	<p><b>Kharif</b> -Tomato, Cucurbits, Okra &amp;, Brinjal, Radish &amp; Spinach, Paddy</p> <p><b>Summer-</b> Okra, Tomato, Brinjal, Cucurbits, Radish</p> <p><b>Rabi</b> - Wheat, Paddy, Cauliflower, Spinach, Radish, turnip, onion Pea &amp; Marigold,</p> <p><b>Enterprises:</b> Mushroom, Vegetables, Floriculture, Dairy and Nursery Production</p>	<ul style="list-style-type: none"> <li>• Problem of shoot &amp; fruit borer in okra</li> <li>• DBM in cauliflower</li> <li>• Problem of stem borer and bakane disease in paddy crop</li> <li>• Problems of weeds</li> <li>• Intensive tillage practices</li> <li>• Repeat breeding due to prevailing feeding practices</li> <li>• Nutritional deficiency in onion, cucurbits &amp; okra</li> <li>• Post-harvest losses in fruit &amp; vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Nutrient management</li> <li>• Resource conservation practices</li> <li>• Integrated pest management</li> <li>• Off season vegetable cultivation &amp; nursery raising under protected cultivation</li> <li>• Integrated nutrient management in okra &amp; cucurbits</li> <li>• Post-harvest management of vegetable crops</li> <li>• Soil test-based fertilizer recommendation (STFR).</li> <li>• Organic farming</li> <li>• Balanced feeding ration</li> <li>• Use of specific minimal supplements</li> <li>• Imparting vocational training for self-employment generation on fruit plant nursery raising, &amp; livestock production</li> </ul>

		Dariyapur	<p><b>Kharif</b> -Tomato, Cucurbits, Okra &amp; Brinjal, Marigold, Radish &amp; Spinach, Paddy</p> <p><b>Summer-</b> Okra, Tomato, Brinjal, Cucurbits, Radish</p> <p><b>Rabi</b> - Wheat, Mustard, Cauliflower, Spinach, Radish, Onion, Pea, Marigold</p> <p><b>Enterprises:</b> Vegetables, Nursery Production and dairy farming</p>	<ul style="list-style-type: none"> <li>• Problem of stem borer and bakane disease in paddy crop</li> <li>• Problem of fruit &amp; shoot borer in okra</li> <li>• DBM in cauliflower</li> <li>• Nutritional deficiency in onion, cucurbits &amp; okra</li> <li>• Low productivity of onion</li> <li>• Practices of inferior variety of vegetables &amp; flowers</li> </ul>	<ul style="list-style-type: none"> <li>• Crop diversification</li> <li>• Integrated weed management</li> <li>• Off season vegetable cultivation &amp; nursery raising under protected cultivation</li> <li>• Integrated nutrient management in okra.</li> <li>• Integrated crop management</li> <li>• Post-harvest management of vegetable crops</li> <li>• Soil test-based fertilizer recommendation (STFR).</li> <li>• Integrated pest management of onion, okra and cauliflower</li> <li>• Balanced feeding ration</li> <li>• Use of specific minimal supplements</li> </ul>
Nazafgarh	Nazafgarh	Shikarpur	<p><b>Rabi</b> – Onion, Cauliflower, Spinach, Wheat, Mustard</p> <p><b>Kharif</b> – Paddy, Cucurbits, Okra &amp; Brinjal,</p> <p><b>Summer-</b> Okra, Brinjal &amp; Cucurbits,</p> <p><b>Enterprises:</b> Dairy</p>	<ul style="list-style-type: none"> <li>• Problem of saline irrigation water</li> <li>• Problem of stem borer and bakane disease in paddy crop</li> <li>• Problem of purple blotch disease and thrips in onion</li> <li>• Problems of weeds</li> <li>• Imbalance use of fertilizers</li> <li>• Improper management of pest of vegetables</li> <li>• Problem of endo-parasite and ecto-parasite in dairy animals.</li> <li>• Nutritional deficiency in onion, cucurbits &amp; okra</li> <li>• Practices of inferior variety of vegetables &amp; flowers</li> <li>• Repeat breeding due to prevailing feeding practices</li> <li>• Malnutrition in farm families</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of salt tolerant HYV</li> <li>• Integrated nutrient management in onion, okra &amp; cucurbits.</li> <li>• IDM &amp; IPM of cauliflower and onion.</li> <li>• Integrated weed management.</li> <li>• Promotion of organic farming</li> <li>• Soil test based fertilizers recommendation (STRF)</li> <li>• Balance use of fertilizers</li> <li>• Integrated Disease management</li> <li>• Resource conservation practices</li> <li>• Crop diversification</li> <li>• Use of balanced ration and addition of nutrients and galactogogues</li> <li>• Use of specific deworming and proper practices to be followed.</li> <li>• Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, bee keeping, fruits &amp; vegetable processing</li> </ul>

		Jhatikara	<p><b>Rabi</b>–Wheat, Onion, Mustard, Cauliflower, Spinach,</p> <p><b>Kharif</b> - Paddy , cucurbits, Okra &amp;, Brinjal</p> <p><b>Summer</b>- Okra, Tomato, Brinjal &amp; Cucurbits,</p> <p><b>Enterprises:</b> Dairy</p>	<ul style="list-style-type: none"> <li>• Problem of saline irrigation water</li> <li>• Problem of stem borer and bakane disease in paddy crop</li> <li>• Problem of purple blotch disease and thrips in onion</li> <li>• Problems of weeds</li> <li>• Imbalance use of fertilizers</li> <li>• Low milk production and imbalance feeding</li> <li>• Problem of endo-parasite and ecto-parasite in dairy animals.</li> <li>• Repeat breeding due to prevailing feeding practices</li> <li>• Malnutrition in farm families</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of salt tolerant HYV of crops</li> <li>• IPM &amp; IDM in paddy.</li> <li>• Integrated pest management approaches.</li> <li>• Integrated weed management.</li> <li>• Promotion of organic farming</li> <li>• Soil test based fertilizers recommendation (STRF)</li> <li>• Balance use of fertilizers</li> <li>• Integrated Disease management</li> <li>• Resource conservation practices</li> <li>• Use of deworming specified according to livestock</li> <li>• Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, mushroom production, fruits &amp; vegetable processing</li> </ul>
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## 2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Paddy	Nutrient and Weed management
Okra	Integrated pest management
Cauliflower	Integrated pest management
Onion	Integrated pest management and varietal evaluation
Wheat	Resources conservation techniques-zero tillage, weed management / pest management and soil fertility management,
Mustard	Varietal evaluation, nutrient and weed management.
Dairy Farming	Balanced feeding and disease management
Women in Agriculture	Women empowerment through strengthening of SHG's, preservation & processing of fruits & vegetables, Health and nutrition awareness and promotion of nutritional garden in rural areas, terrace gardening in urban and post-harvest management.
Agri-based enterprise	Capacity building of rural youth in agri and allied vocations for self-employment and enterprise establishment (value addition, dairy, gardening & nursery raising of horticultural crops, mushroom farming, vermi –composting, organic farming & Bee keeping)

## 3. TECHNICAL PROGRAMME

### 3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
8	40	83.6	240

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
59	1180	1325	5856

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
160	500000	Nil	350

**3. B. Abstract of interventions to be undertaken**

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Weed management and nutrient management	Wheat	low yield due to Problem of weeds Intensive tillage practices in rice - wheat system & lower cropping intensity.	Weed Management of Wheat crop ( <i>Triticum aestivum</i> L.)	-	Weed management in wheat		Kisan ghosthi, Field visits, and Extension literature	Weedicide
2	Integrated pest management	Okra, Cauliflower, onion	Problem of fruit & shoot borer in okra, DBM in cauliflower Problem of purple blotch disease and thrips in onion	Management of Shoot & Fruit borer in Okra. Management of Diamond Back Moth (DBM) in Cauliflower	IPM in Onion	Integrated pest management in cereal and vegetable crops	Integrated pest management in vegetable crops	Field visits, Method demonstrations	Spinosad, Emmamectin benzoate Soil &Seed treatment Yellow sticky Foliar application neem pesticide
3	Varietal evaluation	Onion	Low yield due to old variety	Assessment of onion seedling and bulblet for Kharif in NCT, Delhi	Improved variety of onion (NHRDF- RED)	Improve cultivation practices of vegetables	Improve cultivation practices of vegetables	Survey Field visits Farm advisory services Feedback Message	seedling

4	Dairy Farming	Dairy Animals	Problem of endo-parasite and ecto-parasite in dairy animals. Repeat breeding due to prevailing feeding practices.	Health management in Dairy animals and young calves against Ascariasis. Management of reproductive disorder in dairy animals	Post partum management by using Herbal Uterine Cleanser Efficacy of galactin bolus on milk yield of dairy	Disease management and vaccination in dairy animals Balanced feeding in dairy animals Dairy farming ; Reproductive management in dairy animals Managemental practices in livestock during heat stress	Management of Dairy Animals: Reproductive disorders and Feeding Practices in livestock.	Method demonstration, field visit, Distribution of literature Farmer advisory	Herbal Ecbolic Dewormer
5	Agri-based enterprise	Agri-based enterprise	Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, mushroom production, fruits & vegetable processing	-	-	-	-	Distribution of literature, participation in exhibition, ex trainee sammelan	

6	Household security	All seasonal vegetables	Poor health, nutritional status of farm women & children.	Assessment of growing media in terrace gardening	FLD on nutritional and kitchen gardening, biofortified crops like pearl millet, wheat, mustard under NARI programme	Household food and nutritional security, Low cost nutritious, immunity booster recipes	Women and child care	Extension literature, TV talks, news coverage, Demonstration.	Seeds, biopesticide, gro bags, seedlings & saplings
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### 3.1 Technologies to be assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation		1			1					2
Seed / Plant production										
Weed Management	1									1
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management					2					2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
Other Terrace Gardening					1					1
<b>TOTAL</b>	<b>1</b>	<b>1</b>			<b>4</b>					<b>6</b>

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

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management	1							1
Value Addition								

Production and Management								
Feed and Fodder	1							1
Small Scale income generating enterprises								
<b>TOTAL</b>	<b>2</b>							<b>2</b>

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

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

## B. Details of On Farm Trial

### OFT-1 (3<sup>rd</sup> Year)

Title of OFT	Problem Identified	Major cause of problem	Technological Intervention	Source of technology	Critical Inputs	Cost (Rs) of critical input	Area (ha) of OFT	No. of replication	Performance Indicators
Management of Shoot & Fruit Borer in Okra	Low yield and fruit damage of okra	Sever infestation of shoot & fruit borer	T1 : Farmers Practice (Cartap Hydrochloride) 50 SP @ 250gm/Ha T2: Spinosad (45 SL) @ 0.5ml/L water at 15 days interval	IARI, New Delhi	Spinosad - 100ml	850	0.5	5	Shoot infestation (%) Fruit infestation (%) Yield –Q Increase yield (%) <b>Economic indicators:</b> · Cost of cultivation (Rs/ha) · Gross return (Rs/ha) · Net return (Rs/ha) · B:C Ratio



OFT-2 (2<sup>nd</sup> Year)

Title of OFT	Problem Identified	Major cause of problem	Technological Intervention	Source of technology	Critical Inputs	Cost (Rs) of critical input	Area (ha) of OFT	No. of replication	Performance Indicators
Management of Diamond Back Moth (DBM) in Cauliflower.	Low yield of Cauliflower due to insect infestation.	Severe infestation of Diamond Back Moth	<p>T1: Farmers practice : Spraying of triazophos @ 2 ml/L. W. and Cartap Hydrochloride @ 2 g /L.W.</p> <p>T2: Emamectin benzoate (5 SG)@ 0.5 gram/Liter of water and 2 spray of Neemarin@ 5 ml/Liter of water solution at 15 days interval</p>	NCIPM, New Delhi	Emamectin benzoate - 100ml and Neemarin 1 L.	930/ farmer	0.5	5	<p>Mean no. of larvae per 5 plants(%)</p> <p>Average yield per ha</p> <p>Increase yield (%)</p> <p>Economic indicators:</p> <ul style="list-style-type: none"> <li>· Cost of cultivation (Rs/ha)</li> <li>· Gross return (Rs/ha)</li> <li>· Net return (Rs/ha)</li> <li>· B:C Ratio</li> </ul>

### OFT-3 (2<sup>nd</sup> Year)

Title of OFT	Problem Identified	Major cause of problem	Technological Intervention	Source of technology	Critical Inputs	Cost (Rs) of critical input	Area (ha) of OFT	No. of replication	Performance Indicators
Assessment of growing media in terrace gardening	Lower production in terrace gardening	The Existing media is not suitable for terrace gardening.	T <sub>1</sub> –Use of soil +compost(1:1) in pots T <sub>2</sub> – Use of cocopeat+vermicompost+soil (1:1:1) in grow bags	ICAR-IIHR, Bangalore	Seed, seedlings, grow bags, grow media	1000/- per trial	50m <sup>2</sup> /unit	5	<b>Economic indicator:</b> Yield /kg/season Saving/month <b>Farmers perception:</b> Adoptability/ Accessibility

### OFT-4 (1<sup>st</sup> Year)

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost(Rs.) of critical input	Area (ha) of OFT	No. of replications/ farmers	Performance Indicators (Technological, Economic & Farmer's perception)
Assessment of salt tolerant varieties of mustard	Low yield of mustard	Low yield of mustard due to saline irrigation water	T1: Cultivation of local variety – T59 (Farmer's practice) T2: Cultivation of CS-58 salt tolerant variety T3: Cultivation of CS-60 salt tolerant variety	ICAR-CSSRI, Karnal	Seed & sulphur	500	0.5	5	I. Technological – No. of branches/ plant No of siliquae / plant. Yield (q/ha) II. Economics : - BC Ratio III. Farmer's perception - Adoption (%)

**OFT-5 (2<sup>nd</sup> Year)**

Title of OFT	Problem Identified	Major cause of problem	Technological Intervention	Source of technology	Critical Inputs	Cost (Rs) of critical input	Area (ha) of OFT	No. of replication	Performance Indicators
Weed Management of Wheat crop ( <i>Triticum aestivum</i> L.)	Low yield	Infestation of Broad and narrow weeds	T1- Farmers practice. T2-(Sulfosulfuron 75%+ metsulfuron 5%) herbicides @ 32g ai/ha at 30 DAS .	ICAR-IIWBR	Sulfosulfuron, metsulfuron	Rs.400/pkts	0.5	5	1. Weed Control Efficiency 2. Weed Control Index 3. Seed yield q/ha 4. Economics

**OFT 6 (1<sup>st</sup> Year)**

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost(Rs.) of critical input	Area (ha) of OFT/number of animals (Cattle buffalo)	No. of replications/farmers	Performance Indicators (Technological, Economic & Farmer's perception)
Assessment of onion seedling and bulblet for Kharif in NCT, Delhi	Low yield	Low yield due old variety of Kharif onion	T1: Use of local variety T2: <i>Kharif</i> Onion Variety Agri found Dark Red T3: <i>Kharif</i> Onion Variety L-883	NHRDF	Seeds/bulb lets	7500	01	05	I. Technological – Plant height, Bulb diameter, weight of Bulb, Storage life II. Economics : - Yield (q/ha) , BC ratio III.Farmer's perception - Adoption (%)

**OFT- 7 (1<sup>ST</sup>Year)**

Title of OFT	Problem Identified	Major cause of problem	Technological Intervention	Source of technology	Critical Inputs	Cost (Rs) of critical input	Area (ha) of OFT	No. of replication	Performance Indicators
Control of worms (ascariasis) in young calves and dairy animals (Buffalo).	Death of Young calves due to Endoparasitic infestation in bovines	Parasitic infestation	T0-Farmers practice. T1-Oral route : Piperazine, Fenbendazole and Parental route: Lemasol, Tribivet.	ICAR IVRI, Izatnagar	Medicine Piperazine, Fenbendazole and Lemasol, Tribivet.	3500  (Rs. 700/animal)	05	05	I. Technological- Growth rate % (weight, Length, girth diameter) of calf II. Economics – Increase in Milk production III. Farmers perception- Adoption, Accessibility/Affordability (%)

**OFT-8 (1<sup>st</sup> Year)**

Title of OFT	Problem Identified	Major cause of problem	Technological Intervention	Source of technology	Critical Inputs	Cost (Rs) of critical input	Area (ha) of OFT	No. of replication	Performance Indicators
Assessment of different Herbal formulations for treatment of anestrus in buffaloes.	Anestrus and reproductive disorder in bovines.	Reproductive disorder due to nutritional deficiency	T1-Farmers practice. T2- Oral route:	Deptt. Of gynae and obstetrics COVSc, Proddatur- Andhra pradesh	Medicine	5000  (Rs 1000/animal)	05	5	I. Technological- Reproductive performance (Onset of estrous, color of mucus discharge and avg. no. of AI) II. Economics – Percentage change in conception rate and no. of days III. Farmers perception- Adoption Accessibility/Affordability (%)

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Mustard	RH725	ICM	Newly released variety+ Seed treatment+ Nutrient management and Weed management	Seed, sulphur, bio-fertilizer, fungicide, insecticide & <i>Trichoderma</i>	Rabi- 2022	20	50	Plant growth parameters. Yield and yield attributes, Economics- Rs
2	Summer mung	MH421	ICM	Newly released variety+ Seed treatment+ Nutrient management and Weed management	Seed, biofertilizer, fungicide herbicide	Summer 2022	16	40	Yield and yield attributes, Economics- Rs
3	Chickpea	GNG-2171	ICM	Newly released variety+ Seed treatment+ Nutrient management and Weed management	Seed, biofertilizer, fungicide, insecticide	Rabi- 2022	20	50	Yield and yield attributes, Economics- Rs
4	Onion	NHRDF RED (L28)	IPM	Soil & Seed treatment Yellow sticky Foliar application neem pesticide	<i>Trichoderma viride</i> <i>Pseudomonas</i> , Yellow sticky & Neem pesticide	Rabi 2022	2	5	No. of Thrips / plant Purple blotch incidence (%) Yield kg/ha Economics- Rs
5	Onion	L- 883&ADR	ICM	Improved variety	Seed	Kharif 2022	4	10	Yield kg/ha. Economics- Rs
6	Onion	NHRDF RED (L28)	Varietal Evaluation	Improved Variety of Onion (NHRDF-RED)	Seed 10 kg./ha	Rabi-2022	10	25	Yield (q/ha) Weight of bulb (gm) BCR

7.	Livestock	Buffalo	Disease management	Post partum Management	Herbal cleanser	Uterine	Winter 2021-2022	10	10	Yield L/ animal Economics - Rs
8.	Livestock	Buffalo	Disease management	Post partum Management	Dewormer and Galactogogues		Around the year	10	10	Yield L/ animal Economics - Rs
9.	Napier Grass	Napier Hybrid -1	Maintenance Ration	Lien period Fodder production	Cutting of grass		Summer 2022	2	5	Yield (q/ha), Growth of Animal
10	Marigold	Pusa Narangi	Varietal Evaluation	Improved Variety- Pusa Narangi	Seeds/seedlings		Kharif	1	10	Yield kg/ha. Economics- Rs
<b>Total</b>								<b>73</b>	<b>190</b>	

Others Details of FLDs under NARI programme –

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon	Parameters identified
1	Wheat	DBW-303	Nutrition security	Promotion of nutrient rich variety	Seed	Rabi 2022-23	4	10	Presence of macro nutrients
2	Pearl Millet	AHB-1200	Nutrition security	Promotion of nutrient rich variety	Seed	Kharif 2022	2	5	Presence of micro nutrients
3	Pomegrante	Solapur Lal	Nutrition security	Promotion of nutrient rich variety	Saplings	Rainy 2022-23	0.2	5	Presence of micro nutrients
4	Mustard	PM 31 & 32	Nutrition security	Promotion of nutrient rich variety	Seeds	Rabi 2022-23	4	10	Presence of micro nutrients
<b>Total</b>							<b>10.2</b>	<b>30</b>	

## B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	5	March, April, May, September, December	200
2	Farmers Training	4	March-2022, October- 2022, November- 2022,	100
3	Media coverage	5	April-2022, October-2022, November-2022, January-2022	-

## C. Details of FLD on Enterprises

### (i) Nutritional Kitchen Gardening

Name of the Enterprise	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Nutritional Kitchen Gardening	Kitchen gardening	<i>Kharif</i>	10	0.2	Seeds, seedlings, <i>Trichoderma viridi</i> & vermicompost	Yield/kg/season Saving: kg/season
Nutritional Kitchen Gardening	Kitchen gardening	<i>Rabi</i>	10	0.2	Seeds, seedlings, <i>Trichoderma viridi</i> & vermicompost	Yield/kg/season Saving: kg/season
Nutritional Kitchen Gardening	Kitchen gardening	<i>Summer</i>	10	0.2	Seeds, seedlings, <i>Trichoderma viridi</i> & vermicompost	Yield/kg/season Saving: kg/season

### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Livestock	Buffalo	10	10	Herbal Uterine cleanser	Yield ltr/ animal Economics - Rs
Livestock	Buffalo	50	50	Dewormer and Galactogogues	Yield ltr/ animal Economics - Rs





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

#### A) ON Campus

Thematic Area	No. of Participants							Grand Total
	No. of Courses	Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	15	0	15	5	0	5	20
Resource Conservation Technologies								
Cropping Systems	1	15	0	15	5	0	5	20
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	1	15	0	15	5	0	5	20
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	15	0	15	5	0	5	20
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards	1	15	0	15	5	0	5	20
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								

<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	15	0	15	5	0	5	20
Soil and Water Conservation								
Integrated Nutrient Management	1	15	-	15	5	-	5	20
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
<b>IV Livestock Production and Management</b>								
Dairy Management	1	15	5	20	-	-	-	20
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management	1	15	-	15	5	-	5	20
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>	Nil							
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management	1	15	0	15	5	0	5	20
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides	1	15	0	15	5	0	5	20
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								

Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths	1	15	0	15	5	0	5	20
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>12</b>	<b>165</b>	<b>20</b>	<b>185</b>	<b>60</b>	<b>15</b>	<b>55</b>	<b>240</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	15	0	15	5	0	5	20
Bee-keeping	1	15	0	15	5	0	5	20
Integrated farming								
Seed production								
Production of organic inputs	1	15	0	15	5	0	5	20
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture	1	15	-	15	5	-	5	20
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1	15	0	15	5	0	5	20
Training and pruning of orchards								
Value addition	1	5	10	15	2	3	5	20
Production of quality animal products								
Dairying	1	15	0	15	5	0	5	20
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>7</b>	<b>95</b>	<b>10</b>	<b>105</b>	<b>32</b>	<b>3</b>	<b>35</b>	<b>140</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								

Protected cultivation technology	1	15	0	15	5	0	5	20
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application	1	15	0	15	5	0	5	20
Care and maintenance of farm machinery and implements	1	15	0	15	5	0	5	20
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production	1	15	0	15	5	0	5	20
Household food security	1	-	15	15	-	5	5	20
Women and Child care								
Low cost and nutrient efficient diet designing	1	-	15	15	-	5	5	20
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>TOTAL</b>	<b>6</b>	<b>60</b>	<b>30</b>	<b>90</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>120</b>
<b>G. Total</b>	<b>26</b>	<b>345</b>	<b>50</b>	<b>395</b>	<b>107</b>	<b>18</b>	<b>125</b>	<b>520</b>

**B) OFF Campus**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	2	30	0	30	10	0	10	40
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification	1	15	0	15	5	0	5	20
Integrated Farming	1	15	0	15	5	0	5	20
Water management								
Seed production								
Nursery management								
Integrated Crop Management	2	30	0	30	10	0	10	40
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	15	0	15	5	0	5	20
Exotic vegetables like Broccoli	1	15	0	15	5	0	5	20
Export potential vegetables								
Grading and standardization	1	15	0	15	5	0	5	20
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	15	-	15	5	-	5	20
Soil and Water Conservation								
Integrated Nutrient Management	1	15	-	15	5	-	5	20
Production and use of organic inputs								

Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	2	30	-	30	10	-	10	40
<b>IV Livestock Production and Management</b>								
Dairy Management	1	5	15	20	-	-	-	20
Poultry Management	2	30	-	30	10	-	10	40
Piggery Management								
Rabbit Management /goat								
Disease Management	1	5	15	20	-	-	-	20
Feed management	1	5	15	20	-	-	-	20
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	25
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	-	20	20	-	-	-	20
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	20	-	-	-	-	20
Value addition	2	-	30	30	-	10	10	40
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1	-	15	15	-	5	5	20
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management	2	30	0	30	10	0	10	40
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								

Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	15	0	15	5	0	5	20
Group dynamics								
Formation and Management of SHGs(HS)	1	15	0	15	5	0	5	20
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>29</b>	<b>300</b>	<b>165</b>	<b>465</b>	<b>95</b>	<b>25</b>	<b>115</b>	<b>580</b>

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	3	45	-	45	15	-	15	60
Resource Conservation Technologies	1	15	-	15	5	-	5	20
Cropping Systems								
Crop Diversification	1	15	-	15	5	-	5	20
Integrated Farming	1	15	-	15	5	-	5	20
Water management								
Seed production								
Nursery management								
Integrated Crop Management	3	45	-	45	15	-	15	60
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	15	-	15	5	-	5	20
Exotic vegetables like Broccoli	2	30	-	30	10	-	10	40
Export potential vegetables								
Grading and standardization	1	15	-	15	5	-	5	20
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards	1	15	-	15	5	-	5	20
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	30	-	30	10	-	10	40
Soil and Water Conservation								
Integrated Nutrient Management	2	30	-	30	10	-	10	40
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								



Nutrient Use Efficiency								
Soil and Water Testing	2	30	-	30	10	-	10	40
<b>IV Livestock Production and Management</b>								
Dairy Management	2	10	30	40	-	-	-	40
Poultry Management	2	30	-	30	10	-	10	40
Piggery Management								
Rabbit Management/goat								
Disease Management	2	10	30	40	-	-	-	40
Feed management	2	10	30	40	-	-	-	40
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	25
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Designing and development for high nutrient efficiency diet	1	-	20	20	-	-	-	20
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	20	-	-	-	-	20
Value addition	2	-	30	30	-	10	10	40
Income generation activities for empowerment of rural Women	1	-	15	15	-	5	5	20
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1	-	15	15	-	5	5	20
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management	3	45	-	45	15	-	15	60
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides	1	15	-	15	5	-	5	20
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								

Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	15	-	15	5	-	5	20
Group dynamics								
Formation and Management of SHGs	1	15	-	15	5	-	5	20
Mobilization of social capital								
Entrepreneurial development of farmers/youths	1	15	-	15	5	-	5	20
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
<b>TOTAL</b>								
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	15	-	15	5	-	5	20
Bee-keeping	1	15	-	15	5	-	5	20
Integrated farming								
Seed production								
Production of organic inputs	1	15	-	15	5	-	5	20
Integrated Farming								
Planting material production								
Vermi-culture	1	15	-	15	5	-	5	20
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1	15	-	15	5	-	5	20
Training and pruning of orchards								
Value addition	1	-	15	15	-	5	5	20
Production of quality animal products								
Dairying	1	15	-	15	5	-	5	20
Sheep and goat rearing								
Poultry production								
Rural Crafts								
<b>TOTAL</b>	<b>7</b>	<b>90</b>	<b>15</b>	<b>105</b>	<b>30</b>	<b>5</b>	<b>35</b>	<b>140</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	1	15	-	15	5	-	5	20
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application	1	15	-	15	5	-	5	20
Care and maintenance of farm machinery and implements	1	15	-	15	5	-	5	20
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Household food security	1	-	15	15	-	5	5	20
Women and Child care								
Low cost and nutrient efficient diet designing	1	-	15	15	-	5	5	20
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>Total</b>	<b>6</b>	<b>60</b>	<b>30</b>	<b>90</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>120</b>
<b>G. TOTAL</b>	<b>56</b>	<b>597</b>	<b>243</b>	<b>840</b>	<b>198</b>	<b>62</b>	<b>260</b>	<b>1120</b>

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

### 3.4 Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	160	10	170	5	5	10	165	15	180
Kisan Mela	1	240	60	300	20	5	25	260	65	325
Kisan Ghosthi	4	160	20	180	5	0	5	165	20	185
Exhibition	2	500	150	650	50	10	60	550	160	710
Film Show	15	150	50	200	15	5	20	165	55	220
Farmers Seminar	1	250	50	300	10	0	10	260	50	310
Group meetings	12	30	90	120	5	0	5	35	90	125
Lectures delivered as resource persons	10	180	20	200	0	0	0	180	20	200
Newspaper coverage	20	0	0	0	0	0	0	0	0	20
Radio talks	15	0	0	0	0	0	0	0	0	5
TV talks	20	0	0	0	0	0	0	0	0	20
Popular articles	25	0	0	0	0	0	0	0	0	16
Extension Literature	15	0	0	0	0	0	0	0	0	6
<b>Advisory Services</b>	540	500	20	520	10	10	20	510	30	540
Scientific visit to farmers field	200	260	60	320	20	5	25	280	65	345
Farmers visit to KVK	500	350	0	350	0	0	0	350	0	350
Diagnostic visits	60	0	0	0	0	0	0	0	0	60
Exposure visits	5	120	20	140	6	0	6	126	20	146
Soil health Camp	2	40	10	50	10	0	10	50	10	60
Animal Health Camp	4	80	10	90	10	0	10	90	10	100
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	6	90	30	120	20	0	20	120	20	140
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group meetings	12	-	700	700	-	10	10	-	710	710
FPO Meetings	8	100	5	105	0	0	0	100	5	105
FPO AGM Meeting	1	80	5	85	0	0	0	80	5	85
Celebration of important days (specify)	0	0	0	0	0	0	0	0	0	0
National Science Day	1	40	10	50	6	0	6	46	10	56

International Women Day	1	0	60	60	4	2	6	4	62	66
World Water Day	1	80	10	90	6	2	8	86	12	98
World Bee Day	1	80	20	100	6	2	8	86	22	108
World Milk Day	1	100	10	110	8	2	10	108	12	120
ICAR Foundation Day	1	60	10	70	6	2	8	66	12	78
Parthenium awareness Programme	3	60	10	70	6	2	8	66	12	78
RashtriyaPoshan Maah / Vatika	1	10	80	90	4	2	6	14	82	96
MahilaKisanDiwas	1	0	40	40	4	2	6	4	42	46
World Soil Day	1	60	10	70	8	2	10	68	12	80
Kisan Diwas	1	40	20	60	6	2	8	46	22	68
Pre Kharif workshop	1	0	0	0	0	0	0	0	0	1
Pre Rabi workshop	1	0	0	0	0	0	0	0	0	1
Any Other (Specify) - Swachta Pakhwada	25	400	100	500	10	2	12	410	102	512
<b>Total</b>	<b>1325</b>	<b>4240</b>	<b>1150</b>	<b>5390</b>	<b>275</b>	<b>62</b>	<b>337</b>	<b>4515</b>	<b>1212</b>	<b>5856</b>

### 3.5 Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
1	Wheat	HD -3226	50
2	Mustard	Pusa Vijay& Giriraj	80
3	Palak	Pusa All Green	30

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
1	Tomato	Heemsona	100000
2	Onion	NHRDF Red-3, Red-4	10 qtl. Seedling
3	Brinjal	PusaUttam, S-992	10000
4	Chilli	Sakata 653	10000
5	Cauliflower	Shreya	5000
6	Cabbage	Golden acre	2500
7	Broccoli	NS-1253	2500
8	Bottle gourd	Pusa Naveen	5000

#### ORNAMENTAL CROPS

1.	Marigold	Pusa Narangi,Punjab	10000
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#### Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1	Trichoderma	-		100
2	Beauveria	-		20
3	Pseudomonas	-		20
4	SHNP	-		20

## LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
	Cattle			
	Goat			
	Sheep			
	Poultry			
	Pig Farming			
	Rabbit			
	Duck			
	Fisheries			

### 3.6. Literature to be Developed/Published

#### Leaf Let

#### (A) KVK News Letter

Date of start : January – June 2022 & July – December 2022

Number of copies to be published : 200 copy

#### (B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	5
3	News letters	2
4	Training manual all discipline	5
5	Popular article	10
6	Extension literature	4
	<b>Total</b>	<b>28</b>

#### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD	CRM	1
2	CD	Success Story of Entrepreneur	2
3	Video Film	Video film will be developed on technology transfer and Success activities	5

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

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

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

- a)
- b)
- c)

**Rural Youth**

- a)
- b)
- c)
- d)

**In-service personnel**

- a)
- b)
- c)

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

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

**For FLD :**

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

### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment :

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	350	350	50	-
Water	200	200	50	-
Plant	200	250	20	-
<b>Total</b>	<b>750</b>	<b>800</b>	<b>120</b>	



## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations

Organization	Purpose	Activities
<b>Central Govt</b>		
i. Ministry of Agriculture and Farmer Welfare, GOI ii. Min. of Skill Development, Agril., Rural Dev. & Finance iii. Ministry of Power and Renewable Energy iv. Min. of small and microenterprises	To develop the Skill of rural youths for self-employment, To control the residue burning in NCT Delhi, Financial Support	Trainings, Projects, , Exposure Visits, Demonstrations
<b>I.C.A.R./C.S.R.I. Institutes</b>		
i. IARI, New Delhi, ii. NBPGR, New Delhi, iii. CSSRI, Karnal, iv. NCIPM, New Delhi v. IIMR, Ludhiana, vi. IIHR, Banglore vii. CISH, Lucknow viii. IVRI, Varanasi, ix. DRMR, Bharatpur x. IIWBR, Karnal xi. NDRI, Karnal xii. CSWR, Avikanagar	Introduction of newly released varieties and technologies suitable for existing farming situations	CFLD, FLD's, OFT's, Seed Production at KVK Farm, Farmers Tour, Training & Projects, Teaching Aids, Exposure Visits and Demonstrations
<b>State Agricultural Universities</b>		
i. CCS Haryana Agricultural University, Hisar ii. Punjab Agriculture University, Ludhiana (PB) iii. NDAUAT, Ayodhaya	Introduction of newly varieties and technology in NCT, Delhi	OFT's, FLD's, Technical Support , Exposure Visits
<b>Line department of NCT Delhi</b>		
i. Dept. of Agriculture & Horticulture, Govt. of NCT Delhi ii. Department Animal Husbandary&, Fishery, GNCT, Delhi iii. Department of women & child	To develop the skill in extension personnel & aware them about the new technologies at large scale	In service Training, Farmers Fair, Exhibitions, School activities, Trainees, Soil & Water Testing, Demonstrations, Field Days, Animal Health Camps Diagnosis Services, Promotion of Women Friendly Technologies, Extension Activities

development & department of education		
iv. DM Office Kapashera, SDM Office, Nazafgarh,		
v. KVIC, MCD, YWCA		
Krishi Vigyan Kendra		
Gurugram, Jhajjar, Bhiwani, Sonipat, Karnal, Kota	Mutual Transfer of Knowledge & Skill among Farming Community	Exposure Visits, Transfer of Technology and Trainings
Other Organizations		
NABARD DSCB & NAFED	Financial Support	Sponsored Projects/Trainings, Participation in Meeting,
DIET, Ghumenheda, New Delhi	To promote the Agricultural Academic Programme	Trainings & extension activities
DTL & BSES	Support for Solar Unit Establishment	Financial & Technical Support

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Nil

S. No.	Programme	Nature of linkage
1		
2		

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

#### 4.4 Nature of linkage with National Fisheries Development Board - Nil

S. No.	Programme	Nature of linkage
1		-
2		

#### 5.0 Utilization of hostel facilities- NA

S. No.	Programme	No. of days
1		
2		
3		
4		
	<b>Total</b>	

**6.0 Convergence with departments :**

**7.0 Feedback of the farmers about the technologies demonstrated and assessed :**

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

## Training Programme

## i) Farmers &amp; Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
Nov	PF	Integrated nutrient management in Wheat crop	2	15	-	15	5	-	5	20
Dec	PF	Integrated Weed Management in Wheat crop	2	15	-	15	5	-	5	20
Dec	PF	Integrated Weed Management in Mustard crop	2	15	-	15	5	-	5	20
<b>Horticulture</b>										
September	PF	Nursery Raising	02	15		15	5		5	20
July	PF	Establishment of new Orchard management	02	15		15	5		5	20
<b>Livestock prod.</b>										
September	PF	Dairy farming: A commercial entrepreneurship	2	15	-	15	5	-	5	20
November	PF	Poultry Farming: feeding and disease management in broiler poultry farm	2	15	-	15	5	-	5	20
<b>Agril. Ext.</b>										
June	PF	Training programme for formation of cluster based Kisan Club, FPO and SHG	2	15	0	15	5	0	5	20
July	PF	Formation and Management of FPOs & SHGs	2	15	0	15	5	0	5	20
August	PF	Training programme for Entrepreneurial development through Agro-Tourism	2	15	0	15	5	0	5	20
<b>Home Sc.</b>										
September	PF	Design & development of low cost diet	2	-	15	15	-	5	5	20
<b>Plan prot.</b>										
June	PF	Safe and judicious use of pesticide	1	15	0	15	5	0	5	20

October	PF	Integrated pest management of cauliflower	1	15	0	15	5	0	5	20
<b>Soil Health</b>										
April	PF	Soil fertility management	2	15	-	15	5	0	5	20
September	PF	Integrated Nutrient Management in Field Crops	2	15	-	15	5	0	5	20

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
July	PF	Integrated weed management in Rice crop	4	15	-	15	5	-	5	20
June	PF	Agro techniques for rice nursery raising and transplanting	4	15	-	15	5	-	5	20
July	PF	Integrated Nutrient Management in Rice Crop	4	15	-	15	5	-	5	20
Oct.	PF	Integrated Nutrient Management in Oilseed	4	15	-	15	5	-	5	20
September	PF	Integrated Weed Management practices in Pulses	4	15	-	15	5	-	5	20
Nov.	PF	Integrated Weed Management practices in Rabi Crops	4	15	-	15	5	-	5	20
<b>Horticulture</b>										
September	PF	Exotic vegetable cultivation	4	15		15	5		5	20
May	PF	Post harvest management of onion	4	15		15	5		5	20
July	PF	Nursery raising of <i>Kharif</i> season vegetables	4	15		15	5		5	20
<b>Live Stock Production.</b>										
February	PF	Disease management and vaccination in dairy animals	4	15	-	15	5	-	5	20
March	PF	Balanced feeding in dairy animals	4	15	-	15	5	-	5	20
May	PF	Poultry Farming: Broiler farming a profitable enterprise	4	15	-	15	5	-	5	20

June	PF	Managerental practices in livestock during heat stress	4	15	-	15	5	-	5	20
July	PF	Dairy farming ; Reproductive management in dairy animals	4	15	-	15	5	-	5	20
July	PF	Disease management in broiler poultry farming	4	15	-	15	5	-	5	20
<b>Agril. Ext.</b>										
Aug.	PF	Training on leadership Development Training programme for Entrepreneurial development through various agriculture enterprise	4	15	0	15	5	0	5	20
Oct.	PF	Use of ICTs application for digital marking of FPOs	4	15	0	15	5	0	5	20
<b>Home Sc.</b>										
July	PF	Crop planning & management of Nutri -Sensitive Organic Kitchen Garden	2	-	15	15	0	5	5	20
Feb.	PF	Post harvest management of vegetables	2	-	15	15	0	5	5	20
Dec.	PF	Preparation of Pickles from Mushroom	2	-	15	15	0	5	5	20
Jan	PF	Nutritional management of farm family during COVID -19 situation	2	-	15	15	0	5	5	20
Aug	PF	Development of high nutrient efficiency diet	2	-	15	15	0	5	5	20
May.	PF	Women and child care	2	-	15	15	0	5	5	20
Oct	PF	Value addition of millet	2	-	15	15	0	5	5	20
<b>Plant Protection</b>										
July	PF	Integrated Pest Management of paddy	1	15	0	15	5	0	5	20
Nov.	PF	Integrated Pest Management of wheat	1	15	0	15	5	0	5	20
<b>Soil health</b>										
May	PF	Soil fertility management	2	15	-	15	5	0	5	20
April	PF	Management of problematic soil	2	15	-	15	5	0	5	20

**ii) Vocational training programmes for Rural Youth**

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Bee Keeping	Employment generation	Bee Keeping	December	21	15	-	15	5	-	5	20
Mushroom Production	Employment generation	Mushroom Production	October	21	15	2	17	3	-	3	20
Organic Farming	Production of organic inputs	Organic Farming and preparation of organic inputs.	March	21	15	-	15	5	-	5	20
Horticulture crops	Nursery Management of Horticulture crops for Employment generation	Gardener cum nursery raiser	September	21	15	-	15	5	-	5	21
Value addition	Employment generation	Food processing and preservation for income generation and to minimize post harvest loss	July	21	10	10	20	2	3	5	25
Vermi compost production	Vermi compost production as employment generation	Vermi compost production	June	5	15	-	15	5	-	5	20
Animal Husbandry	Dairy Farming	Advances in livestock farming for increase production.	April	21	15			5			20

### iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>On Campus</b>										
July	Aanganwadi workers & supervisors	Household food security	2	-	-	15	1	-	5	20
March	Aanganwadi workers & supervisors	Nutritional management of farm family during COVID - 19 situation	2	-	-	15	1	-	5	20
June	Animal Husbandry Department, Delhi	Management of Dairy Animals: Reproductive disorders and Feeding Practices in livestock.	1	15	-	15	5	-	5	20
November	Agri Extension officer/progressive farmers	Protected cultivation technology	01	15		15	5		5	20
August	Agri Extension officers	Capacity building for ICT application	2	15	0	15	5	0	5	20
September	Agri Extension officers	Care and maintenance of farm machinery and implements	2	15	0	15	5	0	5	20

### V) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
Agri. Extn	ICAR	Farmers	In-Situ Crop Residue Management by Farm Machineries	1	M	F	T	M	F	T	30
					20	5	25	3	2	5	
Agri. Extn.	ICAR	Farmers	Operational Guidelines of farm machineries for In-Situ Crop Residue Management	1	20	5	25	3	2	5	30
<b>Total</b>				<b>2</b>	<b>40</b>	<b>10</b>	<b>50</b>	<b>6</b>	<b>4</b>	<b>10</b>	<b>60</b>



## Frontline Demonstrations

## A. Details of FLDs to be organized –

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Mustard	RH725	ICM	Newly released variety+ Seed treatment+ Nutrient management and Weed management	Seed, sulphur, bio-fertilizer, fungicide, insecticide & <i>Trichoderma</i>	Rabi-2022	20	50	Yield and yield attributes, Economics-Rs
2	Summer mung	MH421	ICM	Newly released variety+ Seed treatment+ Nutrient management and Weed management	Seed, biofertilizer, fungicide herbicide	Summer 2022	16	40	Yield and yield attributes, Economics-Rs
	Chickpea	GNG-2171	ICM	Newly released variety+ Seed treatment+ Nutrient management and Weed management	Seed, biofertilizer, fungicide, insecticide	Rabi-2022	20	50	Yield and yield attributes, Economics-Rs
4	Onion	NHRDF Red (L28)	IPM	Soil &Seed treatment Yellow sticky Foliar application neem pesticide	<i>Trichoderma viride</i> <i>Pseudomonas</i> , Yellow sticky &Neem pesticide	Kharif 2022	2	5	No. of Thrips / plant Purple blotch incidence (%) Yield kg/ha Economics-Rs

5	Onion	L-883&A DR	ICM	Newly released variety	Seed/Bulb lets	<i>Kharif 2022</i>	4	10	Yield kg/ha. Economics-Rs
6	Onion	NHRDF RED (L28)	Varietal Evaluation	Improved Variety of Onion (NHRDF-RED)	Seed kg./ha	10 <i>Rabi-2022</i>	10	25	Yield (q/ha) Weight of bulb (gm) BCR
7.	Livestock	Buffalo	Disease management	Post-partum Management	Herbal Uterine cleanser	<i>Around the year</i>	10	10	Yield L/animal Economics – Rs
8.	Livestock	Buffalo	Disease management	Post-partum Management	Dewormer and Galactogogues	<i>Around the year</i>	10	10	Yield L/animal Economics – Rs
9	Marigold	Pusa Narangi	Varietal Evaluation	Improved Variety	Seed kg./ha	<i>Rabi</i>	1	10	Yield kg/ha. Economics-Rs
					<b>Total</b>				

### Sponsored Demonstration (CRM)

Crop	Area (ha)	No. of farmers
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### Others Details of FLDs under NARI programme -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon	Parameters identified
1	Wheat	DBW-303	Nutrition security	Promotion of nutrient rich variety	Seed	<i>Rabi 2022-23</i>	4	10	Presence of macro nutrients
2	Pearl Millet	AHB-1200	Nutrition security	Promotion of nutrient rich variety	Seed	<i>Kharif 2022-23</i>	2	5	Presence of micro nutrients
3	Pomegranate	Solapur Lal	Nutrition security	Promotion of nutrient rich variety	Saplings	<i>Rainy 2022-23</i>	0.2	5	Presence of micro nutrients
4	Mustard	PM 31 & 32	Nutrition security	Promotion of nutrient rich variety	Seeds	<i>Rabi 2022-23</i>	4	10	Presence of micro nutrients