PROFORMA FOR PREPARATION OF ANNUAL REPORT FOR KVK

Period of Report: **January 2023 to December 2023**

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	72	1421	19	1440
Rural youths	6	60	-	60
Extension functionaries	23	552	38	590
Sponsored Training	1	50	-	50
Vocational Training	-	-	-	-
Total	102			

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	75	30	-
Pulses	125	50	-
Cereals			
Vegetables			
Other crops	120	50	
Hybrid crops			
Total			
Livestock & Fisheries	20		20
Other enterprises			
Total			
Grand Total	**350**	**130**	**20**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	10	100	100
Livestock	02	20	20
Various enterprises			
Total	12	120	120
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	12	120	120

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1610	12008
Other extension activities	34	34
Total	1644	12042

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only							
	Voice only	520	19	08	06	45	15	613
	Voice & Text both							
	Total Messages	520	19	08	06	45	15	613
	Total farmers Benefitted	**3845**	**310**	**143**	**166**	**412**	**233**	**5109**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	481.68	1347240.00
Planting material (No.)	25200	45000.00
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of farmers	Value Rs.
Soil	-	-
Water	-	-
Plant	-	-
Total		

8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	03	
2	Conferences	03	
3	Meetings	15	
4	Trainings for KVK officials	07	-
5	Visits of KVK officials	02	
6	Book published	-	-
7	Training Manual	-	-
8	Book chapters	02	-
9	Research papers	04	-
10	Lead papers	-	-
11	Seminar papers	-	-
12	Extension folder	12	-
13	Proceedings	02	-
14	Award & recognition	-	-
15	On going research projects	01	-

DETAIL REPORT OF APR-(Jan 2023 to December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Paltha Mithanpur,Chandausi Sambhal (U.P.) - 202412	Office	FAX	Sambhalkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Director of Extension S.V.P.U. Agri. & Tech., Meerut (U.P.) - 250110	-	-	Sambhalkvk@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Mahavir Singh	Bahjoi, Sambhal	9457826151	mahavirsre@gmail.com

1.4. Year of sanction:

1.5. Staff Position (as on 31st December, 2023)

nctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
ogramme ordinator		Vacant	-	-	-	-	-	-	-	-	-
oject Matter ecialist	Dr. Mahavir Singh	SMS/Asstt.Prof OIC	Agronomy	15600-39100	98200 + 8000	21-06-2008	Permanent	SC	9457826151	49	mahavirsre@mail.com
oject Matter ecialist	Dr. Arvind Kumar	SMS/Asstt.Prof	Plant Protection	15600-39100	101100 + 8000	23-06-2008	Permanent	Gen	9412170753	50	tharvindk2000@gmail.c
oject Matter ecialist	Mr. Pankaj	SMS/T6	Live stock Production	15600-39100	56100	4.7.2022	Permanent	SC	9838196310	29	Pankajkumar.8108@gr
oject Matter ecialist	Mr. Jyoti Swaroop	SMS/T6	Horticulture	15600-39100	56100	5.7.2022	Permanent	EWS	9335692231	37	Trivedi9452006609@g
oject Matter ecialist	Vacant	Vacant	-	-	-	-	-	-	-	-	-
oject Matter ecialist	Vacant	Vacant	-	-	-	-	-	-	-	-	-
ogramme sistant	Vacant	Vacant	-	-	-	-	-	-	-	-	-
mputer ogrammer	Vacant	Vacant	-	-	-	-	-	-	-	-	-
m Manager	Dr. Devendra pal Singh	Farm Manager	Agronomy	9300-34800	50500	31-07-2008	Permanent	OBC	941106296	49	941106296dr@gmail.c
countant / perintendent	vacant	Vacant	-								
nographer	P rakish Narayan pal	Steno/Comp Operator	M.com	9300-34800	53600-	14-09-2000	Permanent	OBC	9452574716	53	Prakashpal35@gmail.c
iver											
iver											
pporting ff											
pporting ff											

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.8
2.	Under Demonstration Units	0.6
3.	Under Crops	10.2
4.	Orchard/Agro-forestry	-
5.	Others (specify)	0.4

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	April-20022	-	133	Oct.2020	-	Complete
2.	Farmers Hostel	ICAR	-	-	-	-	-	-
3.	Staff Quarters (6)	ICAR	-	-	-	-	-	-
4.	Demonstration Units (2)	ICAR	-	-	-	-	-	-
5	Fencing	ICAR	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	ICAR	-	-	-	-	-	-
		ICAR	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	2022	743150	11135	Working
Tractor	2022	-	450 hrs	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer	2022	59995	Working
Printer	2022	19331	Working
Disk Hairo	2022	47500	Working
Cultivator	2022	26300	Working

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	15.12.23	डा0 पी0के0 सिंह, निदेशक प्रसार, सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय, मेरठ।	उद्यान विज्ञान के प्रथम पंक्ति प्रदर्शन में बैंगन की नव किरन प्रजाति के स्थान पर आई0आई0वी0आर0 की कोई नवीन प्रजाति ली जाए। जिमीकंद की खेती पर प्रशिक्षण के साथ–साथ प्रदर्शन भी कराये जाएं। गेंहूँ–मेंथा सहफसली खेती के स्थान पर अन्य सहफसली खेती को	आगामी कार्ययोजना में आई0आई0वी0आर0की बैंगन की नई प्रजाति प्रदर्शन में ली जायेगी। जिमीकंद की खेती पर प्रदर्शन व कृषक प्रशिक्षण कराये जाऐंगे। गेंहूँ– मेंथा सहफसली खेती को बढ़ावा दिया जायेगा।

			बढ़ावा दिया जाए।	
2.		डा0 के0जी0 यादव, प्राध्यापक, सस्य सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय, मेरठ।	प्रथम पंक्ति प्रदर्शन पर प्रक्षेत्र दिवस अवश्य कराये जाएं। सी0एफ0एल0डी0 (दलहन एवं तिलहन) में कृषकों की पुनरावृत्ति न हो। केन्द्र पर मोटे अनाजों पर प्रदर्शन लगाये जाए।	प्रथम पंक्ति प्रदर्शन पर प्रक्षेत्र दिवस का आयोजन कराया जाने प्रस्तावित हैं। आगामी कार्ययोजना में नये कृषकों को सी0एफ0एल0डी0 दी जायेगी। केन्द्र पर मोटे अनाजों पर प्रदर्शन कैफेटेरिया में लगाया जायेगा।
3		डा0 यू0पी0 शाही, प्राध्यापक, मृदा विज्ञान	पशुधन उत्पादन विषय के अंतर्गत यूरिया द्वारा भूसा का उपचार करने विषयक प्रदर्शन में नीम लोपित यूरिया का ध्यान रखा जाए।	आगामी कार्ययोजना में नीम कोटेड यूरिया का ध्यान रखा जायेगा।
4		श्री सुघर सिंह, जिला उद्यान अधिकारी	स्ट्राबेरी की खेती पर किसानों कों प्रशिक्षण दिया जाए।	आगामी कार्ययोजना में स्ट्राबेरी की खेती पर कृषक प्रशिक्षण आयोजित किये जायेंगे।
5		डी0डी0एम0 नाबार्ड	गन्ना मेंथा में ड्रिप सिंचाई पद्धति हेतु कृषकों को प्रेरित किया जाए।	कृषकों को प्रशिक्षण/गोष्ठी आदि के माध्यम से प्रेरित किया जायेगा।
6		अनुपमा सिंह, सदस्या एस0ए0सी0	समूह की महिलाओं को विभिन्न प्रकार के मिलेट्स की पहचान करायी जाए।	महिलाओं के प्रशिक्षण में उनको विभिन्न प्रकार के मिलेट्स को दिखाकर पहचान करायी जायेगी।
		डा0 संजय कुमार, गन्ना अनुसंधान केन्द्र, काशीपुर	गन्ने में खरपतवार नियंत्रण तथा धान में बकाने रोग पर कृषक प्रशिक्षण आयोजित कराये जाएं।	आगामी कार्ययोजना में खरपतवार नियंत्रण व धान में बकाने रोग पर कृषक प्रशिक्षण आयोजित कराये जाऐंगे।

Note : This yellow mark may be treated as an example
**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT (31st December, 2023)

2.1 Major farming systems/enterprises (based on the PRA done by the KVK)

S. No	Farming system/enterprise
1. 2. 3. 4. 5	Major crops – Paddy/Maize/Bajara, Urd, Wheat, Mustard, Sugarcane, Mentha, Lentil, Potato. Crop rotation– Rice- Wheat, Rice-Sugarcane-Wheat, Urd-Mustard-Mentha, Urd-Wheat+Mentha, Bajra-Mustard-Mentha, Agriculture + Hort. + Livestock Agri. + Livestock Landless + Livestock

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

S. No	Agro-climatic Zone	Agro-ecological situations based on soil & topography	Characteristics
	I- Mid western plain zone of the district	-Sandy,Sandy Loam with medium fertility - medium rainfall	The zone is very fertile region with sandy & clayey soil and receives 700-1000mm annual rainfall.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
	Clay loam	-	64571.00
	Sandy soil	-	125478.00
	Sandy loam	-	45871.00

	Loam	-	12000.00
	Total	-	**247920.00**

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

S. No	Crops	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
A	**FIELD CROPS INCLUDING OIL SEEDS AND PULSES**			
1.	Wheat	139.858	564.047	37.64
2.	Lentil	1.002	1.041	1039
3.	Mustard	144.14	23.710	15.12
4.	Paddy (Rice)	37.703	97.462	29.85
5.	Bajra	78.777	121.463	15.42
6.	Urd	6.928	6.221	8.98
7.	Maize	3.699	9.022	24.39
8.	Ground nut	0.006	0.006	9.94
9.	Pea	0.162	0.166	1023
10.	Till	0.634	0.143	2.26
B	**VEGETABLES**			
1.	Potato	14500	3625000	250.00
2.	Onion	107	21400	200.00
3.	Cauliflower	3023	997900	330.00
4.	Tomato	515	231750	450.00
5.	Bottel guard	242	55660	230.00
C.	**Fruits**			
1.	Mango	3110	653100	210.00
	Guava	2375	665000	280.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
Jan., 2022	34.0	-	-	-
Feb., 2022	40.0	-	-	-
March, 2022	**Nil**	-	-	-
April, 2022	**Nil**	-	-	-
May, 2022	26.5	-	-	-
June, 2022	16.0	-	-	-
July, 2022	99.0	-	-	-
Aug., 2022	50.0	-	-	-
Sep.,2022	127.7	-	-	-
Oct.,2022	262.2	-	-	-
Nov.,2022	**Nil**	-	-	-
Dec.,2022	**Nil**	-	-	-
Jan., 2023	12.8	-	-	-
Feb., 2023	Nil	-	-	-
March, 2023	46.7	-	-	-
April, 2023	18.0	-	-	-
May, 2023	104.05	-	-	-

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

Category	Population	Production	Productivity
Cattle			
Crossbred	**180244**		
Indigenous			
Buffalo	**710993**		
Sheep	**2040**		

Crossbred	**3656**		
Indigenous	**84709**		
Goats	**3261**		
Pigs	**-**		
Crossbred			
Indigenous			
Rabbits			
Poultry	**127208**		
Hens	-	**-**	**-**
Desi	**-**	**-**	**-**
Improved	**-**	**-**	**-**
Ducks	**-**	**-**	**-**
Turkey and others	**-**	**-**	**-**
	536 Ponds	**446.64ha**	**42.0**

Category	**Area**	**Production**	**Productivity**
Fish	**-**	**-**	**-**
Marine	**-**	**-**	**-**
Inland	**-**	**-**	**-**
Prawn	**-**	**-**	**-**
Scampi	**-**	**-**	**-**
Shrimp	**-**	**-**	**-**
	536 ponds(446.64ha)	**-**	**42.0**

2.7 Details of Operational area / Villages (31st December, 2023)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Chandaushi	Baniyakhera	Lakhneta,Paltha, Akroli, Raholi,Maithra, Gumthal Nawabpura Alhedadpur Chammu, Nagla purwa, Berni	Sugarcane,Urd, Wheat, paddy, Lentil, Mentha, Mustard Bajra Cows & Buffaloes	Low Productivity of paddy, wheat, mustard, urd etc.	Diversification in agriculture Lack of knowledge of high yielding varieties, and Plant protection measures .
2	Chandaushi	Bhajoi	Achalpur, Nehata Ata,Majhawali, Sadatbari,Nadhaus Nagaliya Ballu	Sugarcane,Urd, Sugarcane,Wheat, paddy,Sugarcane Lentil, Mentha, Mustard Bajra Cows & Buffaloes	Low Productivity of paddy, wheat, mustard, urd etc.	Lack of knowledge about high yielding varieties, nutrient mgt. and Plant protection measures .
3	Sambhal	Pawasa	Shihori,Chiroli	Sugarcane,Urd, Wheat, paddy, Lentil, Mentha, Mustard Bajra Cows & Buffaloes	Low Productivity of paddy, wheat, mustard, urd etc.	Lack of knowledge about high yielding varieties,nutrient mgt. and Plant protection measures .
4	Gunaur	Rajpura	Nogawa,Gingholi kaiiu	Sugarcane,Urd, Wheat, paddy, Lentil, Mentha , Mustard Bajra Cows & Buffaloes	Low yield of paddy, wheat, mustard, urd,Lentil, Potato etc.	Diversification & Lack knowledge of high yielding varieties, and balance use of fertilizers, Insect and pest management.
5	Sambhal	Asmauli	Asmoli	Sugarcane, Urd, Wheat, paddy, Lentil, Mentha , Mustard Bajra Cows & Buffaloes	Low Productivity of paddy, wheat, mustard, urd etc.	Diversification in agriculture Lack of knowledge of high yielding varieties, and Plant protection measures .

6	Gunaur	Junawai	Nagala Ajmeri, patria	Sugarcane, Urd, Wheat, paddy, Lentil, Mentha , Mustard Bajra Cows & Buffaloes	Low Productivity of paddy, wheat, mustard, urd etc.	Lack of knowledge about high yielding varieties,nutrient mgt. and Plant protection measures .
7	Gunaur	Gunaur	Akbarpur. Rashoolpur	Sugarcane, Urd, Wheat, paddy, Lentil, Mentha , Mustard Bajra Cows & Buffaloes	Low Productivity of paddy, wheat, mustard, urd etc.	Lack of knowledge about high yielding varieties,nutrient mgt. and Plant protection measures
8	Sambhal	Sambhal	Dhansoli, Phoolpur	Patoto,Maize Sugarcane, Urd, Wheat, paddy, Lentil, Mentha , Mustard Bajra Cows & Buffaloes	Low Productivity of paddy, wheat, mustard, urd etc. \	Lack of knowledge about high yielding varieties, nutrient mgt. and Plant protection measures

2.8 Priority/thrust areas

S.N.	Crop/ Enterprise	Thrust area
1.	Rice/Wheat	HYV,IPNM,IWM,IPM
2.	Potato	IPNM,HYV/IPM
3.	Pulses	Enhancing the area under Kharif & Rabi pulses,IWM,HYV,IPM
4.	Oil seeds	Enhancing the area under Kharif & Rabi oil seeds.HYV,IPM
5.	Mentha	HYV, IPNM,IWM,IPM
6.	Sugarcane	HYV,IPNM,IWM,IPM
7.	Vegetables Crops	HYV,IPNM,IWM,IPM,IDM
8.	Live stock production	Milk production, Disease management, Feed and fodder management
9.	Horticulture	HYV,IPNM,IWM,IPM,IDM Protected vegetable cultivation

* An example for guidance only

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during Jan 2023 to December 2023

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area/N0. in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	12	120	120	112.4/20	106	320	315/20
Total				112.4/20	106	320	315/20

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	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	65	72	1300	1440	500	1644	4500	12042
Rural youth	12	06	120	60				
Extn. Functionaries	33	23	330	590				
Total	**110**	**101**	**1750**	**2090**	**500**	**1644**	**4500**	**12042**

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	**Achievement**	**Distributed to no. of farmers**	**Target**	**Achievement**	**Distributed to no. of farmers**
200	481.68	-	20000	25200	-

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	Cucumber	Varietal evaluation of F1 hybrids vs local cultivar of cucumber.	10	10
	Cauliflower	Varietal evaluation of Cauliflower for higher production	04	04
Integrated Pest Management	Paddy	Management of brown Plant hoper in paddy	10	10
	Paddy	Management of stem borer in paddy	10	10
	Mentha	Management of leaf eating caterpillars in mentha	04	04
Integrated Crop Management	Sugarcane	Inter cropping Sugarcane + Mustard	04	04
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology	Sugarcane	Evaluation of planting techniques of sugarcane	04	04
	Mango	Window opening in mango for quality production	04	04
	Citrus	Window opening in citrus orchard	04	04
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total			**54**	**54**

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	Buffalo	Evalution of different feed supplement to check the infertility in milch Buffalo.	10	10
Evaluation of Breeds	Buffalo	Evaluation of conventional and Bye-pass feed in Buffalo.	10	10
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total			**20**	**20**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Integrated Pest Management	Paddy	Management of brown Plant hoper in paddy	10	10
	Paddy	Management of stem borer in paddy	10	10
	Mentha	Management of leaf eating caterpillars in mentha	04	04
Varietal Evaluation	Cucumber	Varietal evaluation of F1 hybrids vs local cultivar of cucumber.	10	10
	Cauliflower	Varietal evaluation of Cauliflower for higher production	04	04
Integrated Crop Management	Sugarcane	Intercropping (Sugarcane +Mustard)	8	8
Resource Conservation Technology	Sugarcane	Evaluation of planting techniques of sugarcane	04	04
	Mango	Window opening in mango for quality production	04	04
	Citrus	Window opening in citrus orchard	04	04
Animal Nutrient management	Buffalo	Evalution of different feed supplement to check the infertility in milch Buffalo.	10	10
	Buffalo	Evaluation of conventional and Bye-pass feed in Buffalo.	10	10
			78	78

Note: Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with 50*5 = 250 trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment and or refinement under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

INTEGRATED CROP MANAGEMENT

Problem definition: *Lower income from sugarcane monocrop cultivation*

Technology Assessed (as the case may be) : *Intercropping of French bean in paired row planted sugarcane*

KVK, Shimoga in Karnataka conducted on-farm trial to assess effect of intercropping on net return in sugarcane. The intercrop system of planting of sugarcane as paired row at 5 ft spacing and growing french bean between two pairs had realized a net return of Rs. 1.87 lakh/ha as compared to the recommended practice with net returns of Rs. 1.41 lakh/ha (32.6% increase in net return per ha).

Table Performance French bean as inter crop in sugarcane

Technology Option	***No.of trials***	***Major parameter (duration in days)***	***Advantages***	***Yield (t/ha)***	***Net Returns (Rs. in ı)***
Planting sugarcane at 3 ft row spacing (Farmers Practice)	*10*			*168*	*1.56*
Paired row planting at 5 ft spacing (Recommended Practice)				*159*	*1.41*
Paired row planting at 5 ft spacing + growing intercrop between two pairs (french bean)				*163 (Sugarcane) 0.58 (French bean)*	*1.87*

WEED MANAGEMENT

Problem definition: *Heavy infestation of weed in cabbage*

Technology Assessed (as the case may be): *Weed control measures on cabbage yield in Karnataka*

KVKs of Haveri, Hassan, Mysore and Mandya of Karnataka took up on-farm trial on chemical weed management in cabbage. The results indicated that the use of Oxyflurofen @ 1 kg. a i/ha gave 43.60 per cent increase in yield over hand weeding.

Table Effect of Alachlor and Oxyflurofen on weed control and yield at cabbage

Technology Option	***No.of trials***	***Yield (qt./ha)***	***Increase in yield (%)***	***Net Return (Rs./ha)***	***B:C Ratio***
Three times hand weeding (Farmers Practice)	*18*	*110*	*--*	*42000*	*2.65*
Alachlor @ 1.5 Kg. ai/ha as pre-emergent spray (Recommended Practice)		*150*	*36.36*	*76800*	*6.34*
Oxyflurofen @ 1 Kg ai/ha prior to transplanting with 1 inter cultivation and 1 hand weeding.		*158*	*43.63*	*82720*	*7.38*

PEST AND DISEASE MANAGEMENT

Problem definition: *Heavy infestation of leaf curl in chilli effecting in a yield loss of 20% and income loss of Rs.10000/ha*

Technology Assessed (as the case may be): *Leaf Curl Management in Chilli*

Chilli is an important commercial crop of Northern Karnataka. However, there is high incidence of leaf curl disease resulting in yield loss. Five KVKs namely Gadag, Haveri, Dharwad, Belgaum and Bagalkot conducted on-farm trial to ***assess or refine (as the case may be)*** *the control measure. The refined technology of seed treatment with imidacloprid @ 5g/kg seeds + dipping seedlings with imidacloprid @ 0.25ml/lit along with spray with Dicofol @ 2.5 ml/lit reduced the percentage of disease incidence from 23 to 6 and yield was increased by 38.78 per cent.*

Table Effect of imidacloprid in control of leaf curl in chilli

Technology Option	*No.of trials*	*Incidence of leaf curl (%)*	*Yield (kg/ha)*	*% Increase in yield over farmer's practice*
Spray of Dimethoale @ 2 ml/lit (Farmers Practice)	*28*	*23*	*620*	*--*
Spray of Dimethoale @ 1.7 ml/lit + Dicofol 2.5 ml/lit (Recommended Practice)		*9*	*780*	*25.80*
Seed treatment with imidacloprid @ 5g/Kg. seeds + dipping seedlings with imidacloprid @ 0.25ml/lit along with spray with Dicofol @ 2.5 ml/lit		*6*	*860*	*38.78*

NUTRIENT MANAGEMENT

Problem definition: *Lower productivity and profitability in blackgram cultivation due to imbalance application of nutrients*

Technology Assessed (as the case may be): *Nutrient management in black gram*

KVK, Karur in Tamil Nadu conducted on-farm trial to find out appropriate nutrient management practice to enhance the black gram productivity. The ***assessed or refined (as the case may be)*** *practice of soaking seeds with manganese sulphate @ 8% solution for two hours was found to be better with 59.62 % increase in yield.*

Table Effect of seed soaking of $MnSo_4$ in enhancing germination and yield in black gram

Technology Option	*No.of trials*	*Germination (%)*	*Plant height at flowering stage*	*Yield (kg./ha)*	*Increase in Yield (%)*	*B:C Ratio*
No seed treatment and foliar spray (Farmers Practice)	*10*	*52*	*32*	*540*	*--*	*5.64*
Foliar spray of DAP @ 2% and NAA @ 40ppm at 30 and 45 DAS (Recommended Practice)		*62*	*38*	*742*	*37.40*	*9.42*
Seed soaking with $MnSo_4$ @ 8% for two hours + recommended practice		*78*	*42*	*862*	*59.62*	*10.27*

RESOURCE CONSERVATION

Problem definition: *Lower productivity and profitability in tomato cultivation*

Technology Assessed (as the case may be): Enhancement of tomato yield through precision-farming in Tamil Nadu

The KVKs of Dindigul, Perambalur and Dharmapuri in Tamil Nadu conducted on-farm trial on fertigation in tomato. Combined application of water and fertilizers through drip system had enhanced the tomato yield by 22% in Tamil Nadu with the water saving of 35% alongwith net profit of Rs.25460 per hectare.

Table Effect of fertigation on yield and income of tomato

Technology Option	*No.of trials*	*Yield (t/ha)*	*Net Returns (Rs./ha)*	*BC Ratio*
Irrational fertilizer and water application with out considering stages (Farmers Practice)	*18*	*15.77*	*11050*	*1.5*
Irrigation at 7 to 10 days interval, FYM @ 25 Tons / ha, Fertilizers @ 150 : 100 : 50 NPK Kg / ha (Recommended Practice)		*18.36*	*15280*	*1.7*
Application of water and fertilizer through drip system at critical stages. Fertilizer dose was reduced to three fourth of recommended dose		*22.43*	*25460*	*2.0*

LIVE STOCK ENTERPRISES

Problem definition: *High incidence of mastitis disease in dairy cows resulting in lower productivity and profitability of dairying*

Technology Assessed (as the case may be): *Management of mastitis in crossbreed cows in Karnataka*

KVK, Gadag conducted trial to find out suitable control measure for mastitis in cross bred cows as the recommended practice could not stop recurrence of mastitis to the desired level. The technology recommended was fine tuned by including dry cow therapy fro the control of mastitis.

Table Effect of streptopenicillin in the control of mastitis

Technology Option	***No.of trials***	***Per cent incidence of mastitis***
Washing of udder is washed with fresh water and application of turmeric paste after milking (Farmers practice)	*5*	*70*
Use of "SAAF" kit (Iodine 0.71 % w/v) after milking. (Recommended practice)		*60*
Recommended practice + Dry cow therapy (Streptopenicillin administration by intra mammary infusion at once for each teat of udder at 7-8 months of pregnancy)		*Nil*

INTEGRATED NUTRIENT MANAGEMENT

Problem definition: *Lower yield in nendran banana due to imbalance application of nutrients*

Technology Assessed (as the case may be): *Integrated Nutrient Management in Banana*

KVK, Palakkad ***assess or refine (as the case may be)*** *the technology of integrated nutrient management by the application of effect of application of Cattle Manure @ 10 kg. /plant, Azospirillum @ 60 gm/plant, urea 315 gm and Potash 500 gm/plant as balanced nutrition in Nendran variety of banana and found that the same had enhanced the yield by 19 per cent compared to farmers practice and 25 per cent saving on nitrogenous fertilizers.*

Table Performance of banana to integrated nutrient management

Technology Option	***No.of trials***	***Yield t./ha***	***B:C Ratio***
Cowdung @ 10 kg./plant, Plant wood ash @ 5 kg./plant and green leaf manure @ 5 kg./plant	*5*	*22.00*	*1.37*
Cattle Manure @ 10 kg. /plant, Azospirillum @ 60 gm/plant, urea 315 gm and Potash 500 gm/plant.		*26.25*	*1.68*

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2023-24 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

**** Thematic areas as given in Table 3.1 (A1 and A2)***

b. Details of FLDs implemented during Jan 2022 to December 2023
(Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and 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	

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					

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

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				
4	Training for extension functionaries				

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot					Demo												
							High	Low	Average	Check plot		High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Groundnut																								
Sesamum																								
Mustard																								
Toria																								
Linseed																								
Sunflower																								
Soybean																								

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

** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Pigeonpea																								
Blackgram																								
Greengram																								
Chickpea																								
Fieldpea																								
Lentil																								

Horsegram																							

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Other crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Cereals																								
Paddy																								
Waterlogged Situation																								
Coarse Rice																								

Scented Rice																							
Wheat																							
Wheat Timely sown																							
Wheat Late Sown																							
Mandua																							
Barley																							
Maize																							
Amaranth																							
Millets																							
Jowar																							
Bajra																							
Barnyard millet																							

Finger millet																							
Vegetables																							
Bottlegourd																							
Bittergourd																							
Cowpea																							
Spongegourd																							
Petha																							
Tomato																							
Frenchbean																							
Capsicum																							
Chilli																							
Brinjal																							

Vegetable pea																							
Softgourd																							
Okra																							
Colocasia (Arvi)																							
Broccoli																							
Cucumber																							
Onion																							
Coriender																							
Lettuce																							
Cabbage																							
Cauliflower																							
Elephant fruit																							

Flower crops																							
Marigold																							
Bela																							
Tuberose																							
Gladiolus																							
Fruit crops																							
Mango																							
Strawberry																							
Guava																							
Banana																							
Papaya																							
Muskmelon																							

Watermelon																							
Spices & condiments																							
Ginger																							
Garlic																							
Turmeric																							
Commercial Crops																							
Sugarcane																							
Potato																							
Medicinal & aromatic plants																							
Mentholment																							
Kalmegh																							
Ashwagandha																							
Fodder Crops																							

Sorghum (F)																								
Cowpea (F)																								
Maize (F)																								
Lucern																								
Berseem																								
Oat (F)																								

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		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																	
Buffalo																	
Buffalo Calf																	
Dairy																	
Poultry																	
Sheep & Goat																	
Vaccination																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

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.)			
					Demonstration	Check		Demonstration	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																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		
3		
4		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	
3	
4	

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				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																

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

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	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2023***)*

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 crop													
Fruit crop													
Other (specify)													

Note : Remove the Enterprises/crops which have not been shown

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

III. Natural Farming

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		

2) Preliminary Soil Data of Natural Farming Field

Name of KVK	Soil data of Demonstrated/KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (% age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)

3) Details of Demonstrations Conducted under Natural Farming Project

S. No.	Name of KVK	Name of village	Name of farmer	Mobile no. of farmer	Area under demonstration on Natural Farming (ha)
1					
2					
3					

4) Information of Farmers already Practicing Natural Farming

Sl. No.	Name of the District	Name of the Farmers	No. of desi (indigenous) cows	Land holding (ha)	Crops Grown	No. of Years in Natural Farming	Area Covered under Natural Farming	Crops Grown under Natural Farming	Any significant achievements under natural farming
1									
2									
3									

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.

6) Preliminary Soil Data of Natural Farming Field

Name of KVK	Soil data of Demonstrated/KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (% age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)

IV. Drone Project

1) Details of Drone Training

S.No	Name of the Institute/KVK	No. of Drone Alloted	No. of Drones Received	No. of Trainees	Name of RPTOs (Pilot)	Designation of Trainee	Mob No. of Trainee	Email Id of Trainee	Training Institute	Training Status Done/Scheduled	Passport No. of the Trainee	Training Schedule	Remarks about Training Schedule

2) Details of Nodal officers under Drone Project

S.No	Name of the Institute	Name of Nodal Officer	Contact No.	Email

3) Expenditure regarding Agri-Drone

S. No.	Name of KVK, ICAR Institute and AU	No. of Drones allotted	No. of Drones Purchased	Funds for purchase of Drones@ Rs.10.0 lakh/drone	Funds for conducting demonstration Rs.@ 0.03 lakh/demo Rs. In lakh	Total funds released (Rs. In Lakh)	Funds utilized for purchase of Drones (Rs. In Lakh)	Funds utilized for conducting demonstration (Rs. In Lakh)	Total Fund Utilized (Rs. In Lakh)	Balance (Rs. In Lakh)	Percentage Utilization of Released Budget	Target Area under demonstration (ha)	Area under herbicidal spray (ha)	Area under insecticidal spray (ha)	Area under fertilizer spray (ha)	Area under nano-fertilizer spray (ha)	Total target achieved under demonstration (ha)

V. DAMU Project

Project Details

1. Name of Damu, District, ATARI zone and Year

DAMU Name :

Name of Blocks:

Year of start of AAS at DAMU:

2. Name and address with landline and mobile numbers along with STD code (also provide e-mail address) of head of ATARI, Project Coordinator, Head of the Krishi Vigyan Kendra (KVK)

Designation	Name	Address	STD code Telephone no. & Fax	Email-id
Head of ATARI				
Head of KVK				
Project Coordinator (PC)				
SMS				
Agromet Observer (AO)				

5. Date of start of Agromet Advisory Bulletins:

6. Nearest Air, Tv And Railway Station (provide the road distance from DAMU)

I) Air Station :

II) TV Station :

III) Railway Station:

7. Status of Agro-AWS

7.1 Date of installation of AWS :

7.2 List of instruments presently available in working condition:

7.3 Instruments to be replaced/repaired indicating type of defect:

7.4 Please provide frequency of observation, exposure conditions of the site etc.

7.6 Number of years of data records available:

7.8 Whether the observatory is periodically inspected, maintained and calibrated by IMD (If yes, please indicate the latest data of inspection by the IMD)

7.9 Details of soil moisture observations taken, if any (please provide frequency and depths of observation etc.)

8. Details of Agromet Advisory Services

i. How many times the weather forecasts were received during the year:

ii. When do you receive the forecasts from MC/RMC?

iii. How many AAS bulletins were prepared and disseminated to the farmers in the year?

iv. How many AAS bulletins were prepared using Agromet-DSS in English and regional languages?

v. List the modes of mass communication adopted for AAS dissemination:

vi. Details of broadcast on AIR and TV (name of station broadcast frequency, time slot provided etc.) (Audio tape of the recent broadcast):

vii. Give list of farmers awareness programmes conducted like Krishi / Kishan Melas, training, participation in national day parades etc. and photograph of Farmer's Awareness Programme (no of Farmer attended)

viii. No of SMS sent through Kisan Portal and how many farmers were benefitted during the year

ix. List of other organizations receiving Agromet advisories:

9. Verification results of District and Block level weather forecast

10. Economic impact of Agromet advisory services:

11. Mobile APP based Agromet advisory services for farmers:

12. Feedback from progressive farmers:

VI. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management											
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total											
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising											
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											

Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)											
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total											
IV Livestock Production and Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management											
Feed & fodder technology											
Production of quality											

animal products											
Others (pl specify)											
Total											
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Women empowerment											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
Others (pl specify)											
Total											
VI Agril. Engineering											
Farm Machinary and its maintenance											
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											
Others (pl specify)											
Total											
VII Plant Protection											
Integrated Pest Management											
Integrated Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total											
VIII Fisheries											
Integrated fish farming											
Carp breeding and											

hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)											
Total											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL											

Farmers' Training including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management											
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total											
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising											
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											

Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)											
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total											
IV Livestock Production and Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management											
Feed & fodder technology											
Production of quality animal products											
Others (pl specify)											
Total											
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Women empowerment											
Location specific drudgery											

reduction technologies											
Rural Crafts											
Women and child care											
Others (pl specify)											
Total											
VI Agril. Engineering											
Farm Machinary and its maintenance											
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											
Others (pl specify)											
Total											
VII Plant Protection											
Integrated Pest Management											
Integrated Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)											
Total											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											

Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL											

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

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

Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)											
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total											
IV Livestock Production and Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management											
Feed & fodder technology											

Production of quality animal products											
Others (pl specify)											
Total											
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Processing and cooking											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Women empowerment											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
Others (pl specify)											
Total											
VI Agril. Engineering											
Farm Machinary and its maintenance											
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											
Others (pl specify)											
Total											
VII Plant Protection											
Integrated Pest Management											
Integrated Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)											
Total											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											

Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others (pl specify)											
Total											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL											

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**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											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											

Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL											

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**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											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											

Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL											

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**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											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL											

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	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											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Any other (pl.specify)											
TOTAL											

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	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											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Any other (pl.specify)											
TOTAL											

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	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											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Any other (pl.specify)											
TOTAL											

Table. Sponsored training programmes

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	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											
Commercial production of vegetables											
Production and value addition											
Fruit Plants											
Ornamental plants											
Spices crops											
Soil health and fertility management											
Production of Inputs at site											
Methods of protective cultivation											
Others (pl. specify)											
Total											
Post harvest technology and value addition											
Processing and value addition											
Others (pl. specify)											

Total											
Farm machinery											
Farm machinery, tools and implements											
Others (pl. specify)											
Total											
Livestock and fisheries											
Livestock production and management											
Animal Nutrition Management											
Animal Disease Management											
Fisheries Nutrition											
Fisheries Management											
Others (pl. specify)											
Total											
Home Science											
Household nutritional security											
Economic empowerment of women											
Drudgery reduction of women											
Others (pl. specify)											
Total											
Agricultural Extension											
Capacity Building and Group Dynamics											
Others (pl. specify)											
Total											
GRAND TOTAL											

Name of sponsoring agencies involved

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	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											
Commercial fruit production											
Commercial vegetable production											
Integrated crop management											
Organic farming											
Others (pl. specify)											
Total											
Post harvest technology and value addition											
Value addition											
Others (pl. specify)											
Total											
Livestock and fisheries											
Dairy farming											
Composite fish culture											
Sheep and goat rearing											
Piggery											
Poultry farming											
Others (pl. specify)											
Total											
Income generation activities											
Vermicomposting											

Production of bio-agents, bio-pesticides,											
bio-fertilizers etc.											
Repair and maintenance of farm machinery											
and implements											
Rural Crafts											
Seed production											
Sericulture											
Mushroom cultivation											
Nursery, grafting etc.											
Tailoring, stitching, embroidery, dying etc.											
Agril. para-workers, para-vet training											
Others (pl. specify)											
Total											
Agricultural Extension											
Capacity building and group dynamics											
Others (pl. specify)											
Total											
Grand Total											

VII. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services				
Diagnostic visits				
Field Day				
Group discussions				
Kisan Ghosthi				
Film Show				
Self -help groups				
Kisan Mela				
Exhibition				
Scientists' visit to farmers field				
Plant/animal health camps				
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar/workshop				
Method Demonstrations				
Celebration of important days				
Special day celebration				
Exposure visits				
Others (pl. specify)				
Total				

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	
News paper coverage	
Popular articles	
Radio Talks	
TV Talks	
Animal health amps (Number of animals treated)	
Others (pl. specify)	
Total	

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only							
	Voice only							
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

VIII. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies			
	Lectures organised			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

IX. 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						
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						

Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total						

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						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total						

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
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 (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total				

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil				
Water				
Plant				
Manure				
Others (pl.specify)				
Total				

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC

XII. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution

XIII. PUBLICATIONS

Category	Number
Books	
Technical bulletins	
Research Paper	
Lead Papers	
Book Chapters	
Popular Articles	
Newsletters	
Technical reports	
Others (pl. specify)	

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

Activities conducted				
No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)

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

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

	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												

XVI. 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 ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total			

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

a) ***Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
b) ***Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***
c) ***Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

The general format for preparing the above case studies are furnished below

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

Sample KVK Case study

NDR-8501 becoming popular in farmers' for their yielding trait: Ghazipur

Situation analysis/ Problem statements:- Mr. Sanjay Singh, village Khajurgaon, Post:Indore block:Mardah, district:Ghazipur, a farmer who was selected for this demonstration. He was earlier involved with local variety of mustard Pusa Bold or Varuna. These varieties were low in yield

Plan, Implement and Support:- KVK Ghazipur tries to make them aware regarding scientific cultivation of mustard. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of chemical fertilizer with high yielding varieties Pusa Tarak. That was sown on 01-11-2016 with line sowing and fertilizer application was done with basal application in which half dose of nitrogen full dose of SSP and full dose of MOP as recommended. Rest nitrogen used after first irrigation.

Output:- Mr. Sanjay Singh adopted the the balanced dose of chemical, fertilizer (N:P:K:S::150:40:40:30) kg/ha in mustard crop as per suggestion of KVK's scientist for his 0.25ha land. His local yield was 3.85 qt with recommended technology. His yield increased by 33.76% with yield 5.15 qt. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded. Rs 6975, Rs. 18857, Rs. 11882 and 2.70 correspondingly.

Outcome:- Mustard crop is the major oilseed crop of the district. KVK Ghazipur conducted 322 demonstrations in 87 villages during 2004-05 to 2016-17 in an area of 89 ha at farmers' field with using HYV NDR-8501, Pusa Tarak and balanced dose of chemical fertilizer (N:P:K:S::150:40:40:30) kg/ha. This variety has been disseminated in 170 villages of the district in area of approximately 900ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Sanjay Singh is very happy on improvement in their income, livelihood and set forth example for others.

Impact:- Mr. Sanjay Singh is becoming one of the progressive and learned farmers for others with regards to popularization of Pusa Tarak. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Sanjay Singh is very happy with this improved production and management technology and set forth example for other farmers of the district.

A farmers with KVK's scientist

Mustard Crop Pusa Tarak

XIX Achievement of Special programmes

1) Achievement of skill development training funded by DAC&FW

S. No.	SubSector*	QP Name *	Duration (hrs)	No. of Courses Organized	No. of Participants						
					SCs/STs		Others		Total		TOTAL
					Male	Female	Male	Female	Male	Female	
1	Agriculture Crop Production	Jute and Mesta Cultivator	200								
2	Agriculture Crop Production	Vineyard Grower	200								
3	Agriculture Crop Production	Vineyard Worker	200								
4	Agriculture Crop Production	Makhana Grower cum Processor	200								
5	Agriculture Crop Production	Temperate Fruit Grower (Options: Apple / Pear, Peach and Plum / Kiwi)	200								
6	Agriculture Crop Production	Orchard Worker (Options: Trainer-Pruner / Machine Operator – Landscape)	200								
7	Agriculture Crop Production	Vegetable Grower	200								
8	Agriculture Crop Production	Spice Crop Cultivator (Electives: Herbal Spices/Seed Spices/Tree Spices/Rhizomatous Spices/Oil Yielding Spices/Pod (Cardamom) Spices)	200								
9	Agriculture Crop Production	Nursery Worker	200								
10	Agriculture Crop Production	Essential Oil Extractor	200								
11	Agriculture Crop Production	Power Tiller Operator	200								
12	Agriculture Crop Production	Farm Worker	200								
13	Animal Husbandry	Goat Farmer	200								
14	Animal Husbandry	Piggery Farmer (Electives: Fattening/ Breeding)	200								
15	Fisheries	Coldwater Aquaculture Farmer	200								
16	Fisheries	Seaweed Cultivator	200								
17	Forestry, Environment and Renewable Energy Management	Timber Grower	200								
18	Forestry, Environment and	Lac Cultivator	200								

	Renewable Energy Management										
19	Agriculture Industries	Ripening Chamber Operator	200								
20	Agriculture Industries	Group Farming Practitioner	200								
21	Agriculture Industries	Agri Commodity Fumigation Operator	200								
22	Agriculture Industries	Plant Tissue Culture Technician	200								
23	Agriculture Crop Production	Flower Handler-Packaging & Palletising	212								
24	Agriculture Crop Production	Tropical/Subtropical Fruit Grower	220								
25	Agriculture Crop Production	Florist	220								
26	Agriculture Crop Production	Service and Maintenance Technician-Farm Machinery	220								
27	Fisheries	Cage Culture Fish Farmer	230								
28	Agriculture Crop Production	Pesticide & Fertilizer Applicator	232								
29	Agriculture Crop Production	Operator-Reaper, Thresher and Crop Residue Machinery	236								
30	Animal Husbandry	Stud Farm Worker	240								
31	Animal Husbandry	Companion Animal Groomer	244								
		TOTAL									

2) Achievements under Crop Residue Management (CRM) Project by KVKs

a) CRM Machinery status of the CRM KVKs

Name of machine	Name of machine procured	No. of demo conducted	Area covered (ha)	No. of farmers covered	Result					
					Demo yield (q/ha)	Check yield (q/ha)	Increase in yield %	Cost of cultivation (Rs/ha)	Net return (demo plot)	B:C ratio
Happy Seeder										
Reversible M.B. Plough										
Paddy Straw Chopper/ Shradder / Mulcher										
Zero Till Drill										
Rotavator										
Tractor										
Total										

S.No	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	
2	Reversible M.B. Plough	
3	Paddy Straw Chopper/ Shradder / Mulcher	
4	Zero Till Drill	
5	Rotavator	
6	Tractor	
	Total	

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized		
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level		
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.		
3.	Demonstration conducted (ha)		
4.	Training Programmes conducted		
5.	Exposure visits organized		
6.	Field /harvest days organized		
	Total		

b) Other IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	
2.	Column / Articles in newspaper and magazines etc.	
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	
4.	Poster/Banner placed	
5.	Publicity material - leaflets/ pamphlets etc. distributed	
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	
7.	Wall writing	
	Total	

3) Achievement of TSP (Tribal Sub Plan)

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas)

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

5) Achievements of SCSP KVKs

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						

6) Achievement under IFS KVKs

Sl. No.	Component Name	No. of Components established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1							
2							
3							

7) Activities performed under NARI programme

Table-7.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries

Table-7.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice			
	Wheat			
Millet	Finger millet			
	Pearlmillet			
	Sorghum			

Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower			
Tuber	Sweet Potato			
Total				

8) Achievements of Soil, water, plant and manure samples analyzed by KVKs and soil health cards issued

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil					
Water					
Plant					
Manure					
Total					

9) Achievements under NICRA Project

NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
Demo	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers

10) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						
Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						
Duck farming						
Bee keeping						
Others if any						

11) Achievements under Pulses Seed Hub programme

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed	Distributed to No. of farmers
			Target (q)	Area sown (ha)	Actual Production (q)	(F/S, C/S)	
Kharif	Black gram						
	Green Gram						
	Pigeon pea						
Total (Kharif)							
Rabi	Chick pea						
	Field pea						

	Lentil						
Total (Rabi)							
Summer	Black gram						
Total (Summer)							
Grand Total							

12) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		
4	Door to door awareness		
5	Awareness campaign		
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing paining slogans		
10	Composting		
11	Other		
12			
13			

13) Achievements under Aspirational District Scheme

Name of programme	Number
Training	
Session No.	
No. of farmers	
Officers/staff involved	
Seed & Plant Distribution	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programme organised	
No. of farmers	
Officers/staff involved	
Animal husbandra & fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixure	
No. of farmers	
Officers/staff involved	

14) Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received

Note: Please also mention name of farmer who received the award.

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