KVK VIJAYAPURA
(Vijayapura-II Indi)

ANNUAL REPORT- 2023

KVK Address with QR Code, web site, E-mail, Tel and Host Organization details

PART I – GENERALINFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
ICAR – KrishiVigyan Kendra, Vijayapura- II, Station Road, Indi -586 209	08359-200010	08359-200010	kvkindi2016@gmail.com kvkindi@uasd.in kvk.Vijayapura2@icar.gov.in	www.kvkvijayapura2.com

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences, Krishi Nagar, Dharwad-580005	0836-2447494	0836-2748199	de@uasd.in	English website http://www.uasd.edu Kannada website :http://www.uasd.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Shivashenkaramurthy M. Senior Scientist and Head,	-	9448495320 9880218662	kvkindi2016@gmail.com, kvkindi@uasd.in kvk.vijayapura2@icar.gov.in

1.4. Year of sanction:

1.5. Staff position as on 31 December 2023

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M /F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Head/Senior Scientist	Dr.Shivashenkara murhty M.	Senior Scientist and Head	M	Agronomy	Ph.D (Agronomy)	68900 Level 11	89,000	06.03.23	Permanent	SC
2	Scientist/SMS	Mrs. Heena, M.S.	Scientist	F	Horticulture	M.Sc (Vegetable Science)	57700 Level 10 A	71000	21.09.22	Permanent	OBC
3	Scientist/SMS	Mr Arjun R.S.	Scientist	F	Agri. Entomology	M.Sc (Ag.Entomology)	57700 Level 10 A	71000	14.05.22	Permanent	OBC
4	SMS	Dr. Veena Chandavari	Scientist	M	Home Science	Ph.D (Home Science)	`	56100	-	Permanent	SC
	SMS	Dr. Prakasha G	Scientist	M	Agronomy	Ph.D (Agronomy)			28.03.23	Permanent	SC
5	Scientist/SMS	-	Scientist	F	Soil Science	-	56100 Level 10	-	-	-	-
6	Scientist/SMS	-	Scientist	M	Animal Science	-	56100 Level 10	-	-	-	-
	Programme Assistant (Computer)	Mr. Majeed G	Technical Officer (Computer)	M	Computer Science	M.C.A	Level-7 44900-142000	53,600	24.07.2019	Permanent	OBC
9	Programme Assistant (Lab Tech.)	Vacant	Programme Assistant (Lab Tech.)	-	-	-	Level-6 35000-112400	-	-	-	-
10	Programme Assistant/ Farm Manager	Vacant	Farm Manager	-	-	-	Level-6 35000-112400	-	-	-	-
11	Assistant	Vivekananda A.Halli	Assistant	M	Accounts	M.C.A		30350	11.09.23	Permanent	GM
12	Jr. Stenographer	Vacant	-		-	-		-			

13	Driver - 1	Chandrakant Dasharath	Driver (LMV)	M	-	P.U.C.		37,900	04.09.17	Permanent	SC
14	Driver - 2	Ajitkumar Mutaliksir Desai	Driver (LMV)	M		P.U.C.		30,350	25.07.19	Permanent	GM
15	SS-1	Vacant	Messanger	M	-	-		-	-	-	-
16	SS-2	Vacant	Cook Cum Caretaker	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha) 21.72 .ha

S. No.	Item	Area (ha)
1	Under Buildings	2.22
2.	Under Demonstration Units	1.00
3.	Under Crops	17.00
4.	Orchard/Agro-forestry	1.50
5.	Others	--

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, New Delhi	24.07.2018	601	1,58, 42,334			
2.	Farmers Hostel	ICAR, New Delhi	30.12.2019	350	89,59,0000			
3.	Staff Quarters		-	-	-	-	-	-
4.	Demonstration Units							
	1. Vermicompost unit	UAS, Dharwad					-	Completed
	2.Vermiwash unit	UAS, Dharwad					-	Completed
	3.Azolla Unit	UAS, Dharwad					-	Completed
	4. Poultry Unit	ICAR, New Delhi	-	40	3,98,192			completed
	5. Goatary Unit	UAS, Dharwad (Under SRP)		65	-			Completed
5	Citrus special Production Unit	ICAR, New Delhi			3,97,472			Completed
6	Fencing	ICAR, New Delhi			9,00,000			Completed
7	Rain Water harvesting system	-	-	-	-	-	-	-
8	Threshing yard	UAS, Dharwad			2,82,190			Renovation
9	Farm godown							
10	Compound wall	ICAR, New Delhi			20,00,000			Completed
11	Land leveling (Farm M	ICAR, New Delhi			4,95,000			Completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
John Deer Tractor	2018	5,58,215	2463.0hrs	Good and working

Bolero SLE 2WD	2018	7,16,321	128777kms	Good and working

C) Lab equipment & AV aids

SNo	Name of the equipment	Year of purchase	Cost (Rs.) in lakh	Present status
1	Dell Desktop OptiPlex 5250	2018	1.18	Good and working
2	Hp printer M227 SDN	2018	0.24	Good and working
3	Mike (sound) system	2018	0.31	Good and working
4	Kenstar Cooler	2018	0.26	Good and working
5	Pedestal Fans 400 mm Usha	2017	0.17	Good and working
6	Double door refrigerator 300/311 liters	2017	0.34	Good and working
7	Plastic chairs	2017	0.41	Good and working
8	Visitors chairs (stainless steel) 3 seat	2017	0.15	Good and working
9	Notice board	2018	0.06	Good and working
10	white writing board	2018	0.03	Good and working
11	rotating book magazine display stand	2018	0.04	Good and working
12	news paper reading stand	2018	0.06	Good and working
13	Tripod stand	2018	0.02	Good and working
14	poster / banner stand	2018	0.16	Good and working
15	LED Projector Casio	2017	0.7	Under repair
16	Kyocera digital multifunctional photocopier	2017	0.98	Good and working
17	Hp Desktop core i5, 44 B RAM, 11B HDD, DVD, R/W, monitor , Keyboard, mouse	2017	0.49	Good and working
18	Hp Desktop core i5, 4GB RAM, 1TB HDD, DVD, R/W, monitor 18.5'', Keyboard, mouse	2018	0.41	Good and working
19	Microtech 2 KV (sinewave) Invertors and tubular amaronbattries	2018	0.36	Good and working
20	Cannon camera mi-E0S 1300D Body with single lens	2018	0.24	Good and working
21	Computer (Dell optiplex 5250 Alox)	2018	1.18	Good and working
22	Computer tables	2017	0.15	Good and working
23	Computer chairs	2017	0.08	Good and working
24	All in one desktop 8th generation 4 GB RAM screen 21.5 inch windows computer.	2019	0.59	Good and working
25	Executive table	2017	0.17	Good and working
26	Tables	2017	0.76	Good and working
27	Chairs (Semi Executive Revolving mid back)	2017	0.33	Good and working
28	Tables	2017	0.21	Good and working
29	Tables	2017	0.072	Good and working
30	S - Type cane chairs (with arms)	2017	0.37	Good and working
31	S - Type cane chairs (without arms)	2017	0.32	Good and working
32	Alamirah (6 ft x 3ft)	2017	1.2	Good and working
33	Filing cabinet (04 compartment)	2017	0.28	Good and working
34	Filing cabinet (02 compartment)	2017	0.32	Good and working
35	Storage racks for chemicals (NMSA)	2021	0.149750	Good and working
36	Intel core laptop (dell)(NMSA)	2021	0.59430	Good and working
37	Micro controller based conductivity meter(NMSA)	2021	0.20	Good and working
38	Micro controller based ph system (NMSA)	2021	0.1850	Good and working
39	Muffle furnace (NMSA)	2021	0.73142.85	Good and working
40	Automatic double water distillation system(NMSA)	2021	0.107428.57	Good and working
41	Chairs	2021	0.33238	Good and working
42	T -8 tables	2021	0.190	Good and working
43	Plastic almirah	2021	0.34209.52	Good and working
44	iron racks with 3 floor compartment	2021	0.9476.20	Good and working
45	UV –VIS spectrophotometer (NMSA)	2021	0.3610	Good and working
46	Multi function printer (canon)	2021	0.380	Good and working

47	Intel core laptop (lenovo)	2021	0.67,680	Good and working
48	Display all in one pc(acer)	2021	0.66,488	Good and working
49	Display all in one pc (hp)	2021	0.69545	Good and working
50	Trinocular research microscope (NMSA)	2021	0.44286	Good and working
51	Vernier Calliper (NMSA)	2021	0.150	Good and working
52	Analytical balance (NMSA)	2021	0.3820267	Good and working
53	Setter cum hatcher	2021	0.73890	Good and working
54	Flour mill (pulversier)	2021	0.68571	Good and working
55	Stainless steel water bath (NMSA)	2021	0.180	Good and working
56	Lithium filter flame photometer (NMSA)	2021	0.60	Good and working
57	Calcium flame photometer (NMSA)	2021	0.60	Good and working
58	Flame photometer (NMSA)	2021	0.46750	Good and working
59	Kel plus automatic scrubber system(NMSA)	2020	0.1555	Good and working
60	Kel plus automatic block digestion system(NMSA)	2020	4244.50	Good and working
61	GPS type hand held built in antenna (NMSA)	2020	0.44046	Good and working
62	Pouch lamination machine A4 type of laminators(NMSA)	2020	0.7245	Good and working
63	10K W UPS along with battery	2020	0.210593.2	Good and working
64	Orbital incubator	2020	0.70254	Good and working
65	Split air conditioner (ATMA)	2020	0.350	Good and working
66	Cool printer	2020	0.6590	Good and working
67	Hp intel core desktop (NMSA)	2020	0.135380	Good and working
68	HP intel core desktop	2020	0.1353380	Good and working
69	Data logger	2019	0.259.250	Good and working
70	Net radio meter	2019	0.259.250	Good and working
71	Steven hydra probe	2019	0.50	Good and working
72	Kenstar sliminess super cooler with remote	2019	0.8822118	Good and working
73	AWM630 VG microphone	2019	0.710	Good and working
74	15 TPA column speaker	2019	0.620	Good and working
75	Mono amplifier DP a750	2019	0.70	Good and working
76	Ahuja AWM 490	2019	0.60	Good and working
77	Precision hot air oven	2018	0.49880	Good and working
78	PH /EC/TDS/slntymeter(PETS)	2018	0.6490	Good and working
79	Vrble micro ppette 1-5ml fnn pipette	2018	0.26624	Good and working
80	Soil hydrometer (02 no)	2018	0.53100	Good and working
81	Digital magnetic stirrer brand glassco	2018	0.69620	Good and working
82	Motorized screen 4*6	2017	0.140	Good and working
83	Horizontal laminar airflow	2022	0.88200	Good and working
84	Smart Television BPL TV 500-A4310 screen size 49 inches	2022	0.449920	Good and working
85	Pico projector	2022	0.26272	Good and working
86	CCTV camera set Monitor, DVR, RACK and cable	2022	0.98117	Good and working
87	All in One Desktop	2022	1,57,264	Good and working
88	Live Fast 2 KVA UPS	2022	0.68720	Good and working
89	Computer table (wooden)	2022	0.1900	Good and working
90	Tractor mounted sprayer	2023	8839	Good and working
91	Seed cum fertilizer drill	2023	9824	Good and working
92	Bund former	2023	35,711	Good and working
93	Spiral grader	2023	13,333.33	Good and working
94	Onion detopper machine	2023	12,000	Good and working
95	Nipping machine 3 rows	2023	19,000	Good and working

D) Farm equipment and implements

Name of the equipment/implement	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
Tractor drawn seed cum fertilizer drill	2019	01	0.60200	Good and working

1.8. Details of SAC meeting organized

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
19.12.2023	33	Conduct awareness campaign, field visit about dry land technologies.		
		Conduct training on agricultural allied activities to farmers (bee keeping, sericulture, dairy)		
		Conduct awareness programmes on soil and water conservation measures.		
		Conduct programmes on organic farming to create awareness among farmers		
		Conduct training programme about use of UAS-D, Compost culture to manage trash in sugarcane crop		
		Dissemination and adoption of minimum tillage practices and integrated approaches in farmers field		
		Conduct training on green and red chilli cultivation practices		
		Include more FLD's on Intercropping with Pigeon pea		
		Conduct training on secondary agriculture	On kisan diwas23.12.2023 kisandiwas secondary agriculture information given to farmers by Dr. Shivshenkaramurthy M.M. Sr.Scientist and Head, KVK, Indi. In this programme 109 farmers participated	
		Create awareness about usage of Silage bags among farmers		
		Conduct training on processing and value addition of millets and lime		
		Inclusion of financial aspect sessions in training programme		
		Conduct training on plant propagation techniques in horticulture crops		
		Conduct training on different water management techniques in horticulture crops (lime, pomegranate and grapes)		
		Establishment of crop cafeteria or museum (fodder)		
		Conduct training programme on fodder usage to improve the quality of milk, prepare extension leaflet on fodder crops		

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
01	Agriculture, Horticulture, Animal husbandry and Goat farming

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

S. No	Agro-climatic Zone	Characteristics
1	Northern Dry Zone – III	**Rainfall**: Vijayapura district is characterized by the lowest rainfall in Karnataka state with an average rainfall of 579.0 mm. The district comprises five talukas namely BasavanaBagewadi, Vijayapura, Muddebihal, Indi, Sindagi. The five talukas receive rainfall between 565 to 635 mm. About 60 per cent of the annual rainfall is received in the normal monsoon season (June-September), 14 per cent in the pre monsoon (April-May) and about 23 per cent in the post monsoon months (October-November) generally the remaining months are dry. **Temperature:** The mean monthly maximum temperature varies from 29.3 ^{o}C (December) to a maximum of 39.0 ^{0}C (May). The mean monthly minimum temperatures are lowest (15.5 ^{o}C) during January, which increases gradually to maximum of about 43.3 ^{o}C (May). **Relative Humidity:** The moisture content of the air in the district varies from about 35 per cent during February, March and April to a maximum of about 70 per cent in July, August and September. **Wind velocity:** The district is characterized by high wind velocity especially during monsoon months. The wind speed varies between 3.6 KMPH (December) to 13.2 KMPH (July)

S. No	Agro ecological situation	Characteristics
1.	Rainfed cropping in Monsoon (*Kharif*)	Soils are shallow black(chalka) shallow light soil and red sandy loams because of better infiltration rate they get moistened with early rain in the month of June-July sufficient to take up sowing of *kharif* crops. Due to low water holding capacity of these soils and higher evaporative demand due to very high wind velocity during July and August month result in poor yields **Tqs:** B. Bagewadi, Indi, Sindgi and Vijayapura **Crops:**Bajra, greengram, redgram, sunflower, onion and groundnut
2	Rainfed cropping in Monsoon (*Rabi*)	Deep black soils with more than 60 cm depth, the clay content of these soils is around 60% and hence very low infiltration rate. Available water holding capacity of these soils is around 6 cm to 30cm. The crops grown in the post monsoon season have to mature on the residual soil moisture only. **Tqs:** B. Bagewadi, Muddebihal, Sindgi and Vijayapura **Crops:***Rabi* sorghum, chickpea and sunflower
3	Rainfed in both monsoon and post monsoon	Soils are medium deep black, fine red clay loam, red and black mixed soils. These soils have around 30-50 % clay content with Infiltration rate and fairly high-water holding

		capacity. Poor investment capacity of the farmers in dry areas and lack of suitable non-cash inputs. Tqs: B. Bagewadi, Indi, Sindgi, Muddebihal and Vijayapura 4Crops: Bajra, greengram, redgram, sunflower, onion and groundnut

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Shallow black soil	Shallow black soils are generally present in Indi, Sindagi and Vijayapuratalukas and to some extent in Bagewadi and Muddebihaltalukas. The clay content of these soils is around 40 percent with moderate infiltration rate. The available water holding capacity of these varies between 3-4 cm per 30 cm soil depth. These soils generally belong to land capability class between III and IV.	2,62,586
2	Medium black soils	Medium deep black soils occur predominantly in Bagewadi, VijayapuraandSindagitalukas. These soils have clay content around 50 per cent with low to moderate infiltration rate. Generally, they belong to land capability class between II and III. The available water holding capacity of these soils is around 5 cm per 30 cm	4,01,737
3	Deep black soils	Deep black soils predominately occur in Muddebihal, Vijayapura and B.Bagewaditalukas. The clay content of these soils is around 60 per cent and hence have very low infiltration rate. In general, these soils fall under land capability class-II. Post – monsoon cropping is most common in these soils. The available water holding capacity of these soils is around 6 cm per 30 cm soil depth.	2, 34,113
4	Red loam soils	This type of soil is found in immediate association with black soils and near hillocks. The depth varies from 15 to 100 cm and the clay content is around 30 percent according to topography and parent material from which they are formed and extent of weathering. These soils show moderate to good infiltration rate. The soils are neutral to slightly alkaline in reaction, deficient in nitrogen and phosphorus but contain moderate amount of potassium. The soil can hold about 4 cm of available water per 30 cm soil depth. The soils generally fall under land capability class-III. Such soils are predominantly found in B. Bagewadi and Indi talukas and predominantly put under kharif crops and under favorable seasonal conditions double cropping is practiced	48,061
5.	Red sandy soils	Red soils are derived from any one of the four-parent materials viz. granite, gneiss, quartz or sand stone. The soils originated from granites or gneiss exhibit deep red or brown colour due to the presence of ferric oxide to the extent of 5 to 8 percent with varying degrees of hydration. The depth of soil varies according to topography. Soil depth to an extent of 2.0	20,230

		m is also noticed. The pH of soil varies from 6.5 to 7.5. The profile is invariably free from lime and contains a few iron concretions scattered throughout the profile. The soils have good drainage and high infiltration rate. They respond well to manuring and irrigation.	

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
	Crop production			
1.	Maize (K)	40207	264071	3848
2.	Bajra	25751	66451	990
3.	Redgram	262563	173653	1012
4.	Groundnut	24779	25629	676
5.	Sunflower	45335	25658	364
6.	Cotton	7717	30313	419
7.	Sugarcane	65136	2770006	78t/ha
8.	Sorghum	176980	205883	932
9.	Wheat	53842	49632	1003
10.	Bengal gram	322020	95013	551
11.	Safflower	13809	1367	372
12.	Linseed	3209	1190	399
13.	Sesamum	624	459	428
14.	Soybean	318	222	700
15.	Cotton	10524	7636(t)	372
16.	Sugarcane (K)	71343	1892149(t)	72(t/ha)
17.	Sugarcane (*Rabi*	21428	2142800(t)	100 (t/ha)
18.	Sugarcane (Summer)	4935	493500(t)	100 (t/ha)
19.	Sorghum	190629	59113	850
20.	Wheat	53842	49632	1003
21.	Bengal gram	156892	126428	703
22.	Safflower	13809	1367	372
23.	Linseed	3209	1190	399
	Fruit crops			
24.	Banana	1479	29580	20(t/ha)
25.	Lime	6815	170375	25(t/ha)
26.	Guava	128	2560	20(t/ha)
27.	Pomegranate	2606	26060	10(t/ha)
28.	Ber	327	9810	30(t/ha)
29.	Grape	10582	211640	20(t/ha)
30.	Papaya	36	2401	35(t/ha)
31.	Ber	327	9810	20(t/ha)
32.	Custard Apple	64	448	07(t/ha)
33.	Grape	5464	185261	15(t/ha)
34.	Fig	28	84	03(t/ha)
35.	Other fruit crops	95	380	04(t/ha)
	Vegetable crops			
36.	Tomato	924	31470	34.06(t/ha)
37.	Brinjal	925	23125	25(t/ha)
38.	Onion	13391	267820	20(t/ha)
39.	Onion	9756	43391	24(t/ha)
40.	Green chilli	1036	7252	07(t/ha)
41.	Sweet Potato	105	1260	12(t/ha)
42.	Cabbage	06	102	17(t/ha)
43.	Cauli flower	08	136	17(t/ha)
44.	Lady’s finger	352	2464	07(t/ha)
45.	Radish	210	21100	10(t/ha)
46.	Beet root	05	65	13(t/ha)
47.	Carrot	195	4095	21(t/ha)

48.	Capsicum	49	441	09(t/ha)
49.	Cluster beans	128	1024	08(t/ha)
50.	Drum stick	102	1122	11(t/ha)
51.	Water melon	23	644	28(t/ha)
52.	Methi	195	1950	10(t/ha)
53.	Palak	115	1150	10(t/ha)
54.	Amaranthus	37	296	08(t/ha)
55.	Curry leaves	120	600	05(t/ha)
56.	Other leafy vegetables	133	665	05(t/ha)
57.	Ash gourd	10	210	21(t/ha)
58.	Snake gourd	51	867	17(t/ha)
59.	Bitter gourd	86	774	09(t/ha)
60.	Ridge gourd	120	960	08(t/ha)
61.	Other gourds	66	660	10(t/ha)
62.	Other vegetables	126	882	07(t/ha)
	Spice crops			
63.	Tamarind	240	1200	05(t/ha)
64.	Turmeric	61	549	09(t/ha)
65.	Garlic	201	1608	8(t/ha)
66.	Dry chillies	230	230	1(t/ha)
67.	Coriander	599	2396	04(t/ha)
68.	Fenugreek	149	447	03(t/ha)
69.	Other spice crops	133	798	06(t/ha)
	Plantation crops			
70.	Coconut	283	14.72 lakh nuts	0.05 lakh nuts
71.	Betelvine	31	620 lakh leaves	20 lakh leaves
72.	Oil palm	522	-	-
73.	Other garden / plantation crops	586	768	1.31
	Flower crops			
74.	Aster	06	03	0.5(t/ha)
75.	Crossandra	02	02	1(t/ha)
76.	Marigold	152	1520	10(t/ha)
77.	Jasmine	63	441	07(t/ha)
78.	Chrysanthemum	58	348	06(t/ha)
79.	Tuberose	47	150	03(t/ha)
80.	Marigold	61	610	10(t/ha)
81.	Tuberose	34	340	10(t/ha)
82.	Rose (Lakh flowers)	31	66	02(t/ha)
	Medicinal and Aromatic plants			
83.	Medicinal plants	57	171	03(t/ha)
84.	Lemon grass	24	168	07(t/ha)
85.	Other Aromatic plants	45	135	03(t/ha)

* Please provide latest data from authorized sources. Please quote the source

2.5. Weather data

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	AM (%)	PM (%)
January 2023	0.0	30.6	12.4	76	32
February 2023	0.0	33.4	13.7	57	21
March 2023	1.8	34.5	16.3	61	21
April-2023	30.8	37.2	20.0	64	24
May-2023	30.8	38.2	21.7	73	29
June-2023	18.6	36.6	21.1	85	40
July-2023	92.0	30.4	20.2	89	63
August-2023	41.8	31.8	19.3	89	52
September-2023	98.0	31.0	19.5	91	60
October-2023	2.6	32.9	17.3	76	35
November-2023	10.6	30.8	16.9	87	49
December-2023	0.0	29.5	13.1	85	42

* Please provide latest data from authorized sources. Please quote the source

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

Category	Population	Production	Productivity
Cattle			
Crossbred	1203	1600 tons milk	4.34 lit/day /animal
Indigenous	278582	40,000 tons milk	1.52 lit/ day /animal
Buffalo	191438	59,000 tons milk	1. 60 it/ day /animal
Sheep			
Crossbred	336015	75 tones meat	18kg mutton /animal
Indigenous	451980	80 tones meat	16 kg chevon /animal
Goats			
Pigs	32	NA	6 kg/ animal
Crossbred	27114	NA	6 kg/ animal
Indigenous	600	NA	
Rabbits	346372	**-**	**-**
Poultry			
Hens	36400	86 lakh eggs	238 eggs/bird
Desi	-	-	-
Improved	-	-	-
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish		**6807 ton**	
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

* Please provide latest data from authorized sources. Please quote the source

2.7 District profile maintained in the KVK has been **Updated** for 2023: **Yes** / No

2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Chadachana Block	Chadachan	Gotyal - Village .	01year	Redgram Chickpea Cotton Maize Groundnut Lime Pomegranate Onion Watermelon	Wilt/ dry root rot and pod borer (60%) Moisture stress (40%) Mono-cropping (25 %) Low yielding Pod borer (30%) Dry root rot/wilt (20-30%%), Labour problem Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition Fall army worm incidence No use of bio- fertilizers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield Micronutrient deficiency (20%), Canker (40%) Gummosis and die back (10%), Citrus canker Blight (30%) Wilt (30%) Fruit sucking moth (25-30%) Non availability of season specific varieties Rotting (15%), sucking pests (20%) Non-application of sulphur Flowering and fruit set is poor due to deficiency of micronutrients, High private seed cost. High incidence of sucking pest and diseases.	Group meeting Training FLD, OFT &Field day

					Tomato	Low yield and inferior quality, deficiency of micronutrients, early blight and wilt	
					Sunflower	Poor yield, lack of high yielding hybrids. Downy Mildew and poor nutrient	CFLD, Field visits, Method Demonstration
					Sorghum	Low yield, lack of information on high yielding varieties, Poor nutrient and infestation of pest and disease	OFT, Field Visit, Field Day, Method Demonstration
					Soybean	Poor yield, lack of awareness soybean crop, high yielding varieties, rust incidence and shattering	OFT, Field Visit, Group Discussion, Method Demonstration
					Millets	lack of awareness soybean crop, high yielding varieties blight incidence and Poor yield,	FLD, Field Visit and Group Discussion, Training, recipe contest, Method Demonstration
					Sugarcane	Low yield, poor nutrient, trash burning, lack of high yielding varieties, White fly, Root grub	FLD, campaign, Method demonstration, Training.
				Livestock	Livestock & poultry	Scarcity of green fodder during summer Lack of knowledge on silage preparation Low quality fodder Low milk yield and reduced conception rate Slow growth rate in growing goats Post partum complications in Dairy animals	Group meeting Training FLD &Field day
				Fisheries	Fisheries	Lack of knowledge on fish rearing in farm ponds Low Yield, Problem of fish catching birds Lack of knowledge on feeding practices	Training FLD &Field day
2)	Sindagi-Block	Sindagi	Madari	01 year	Redgram Chickpea Cotton	Wilt/ dry root rot and pod borer (60%) Moisture stress (40%) Mono-cropping (25 %) Low yielding Pod borer (30%) Dry root rot/wilt (20-30%%), Labour problem Leaf reddening, pink bollworm and sucking	

						pests incidence,	
					Maize	lack of knowledge about foliar nutrition Fall army worm incidence	Group meeting Training FLD, OFT & Field day
					Groundnut	No use of bio- fertilizers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield	
					Lime	Micronutrient deficiency (20%), Canker (40%) Gummosis and die back (10%), Citrus canker	
					Pomegranate	Blight (30%) Wilt (30%) Fruit sucking moth (25-30%)	
					Onion	Low yielding private/local varietiees(30%) Non availability of season specific varieties Rotting (15%), sucking pests (20%) Non-application of sulphur	
					Watermelon	Flowering and fruit set is poor due to deficiency of micronutrients, High private seed cost. High incidence of sucking pest and diseases (wilt)	
					Tomato	Low yield and inferior quality, deficiency of micronutrients, early blight and wilt	
					Chilli	Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%)	
				01 year	Sunflower	Poor yield, lack of high yielding hybrids. Downy Mildew and poor nutrient	CFLD, Field visits, Method Demonstration
				01 year	Sorghum	Low yield, lack of information on high yielding varieties, Poor nutrient and infestation of pest and disease	OFT, Field Visit, Field Day, Method Demonstration
				01 year	Soybean	Poor yield, lack of awareness soybean crop, high yielding varieties,	OFT, Field Visit, Group Discussion,

						rust incidence and shattering	Method Demonstration
				01 year	Millets	lack of awareness soybean crop, high yielding varieties blight incidence and Poor yield,	FLD, Field Visit and Group Discussion, Training, recipe contest, Method Demonstration
				01 year	Sugarcane	Low yield, poor nutrient, trash burning, lack of high yielding varieties, White fly, Root grub	FLD, campaign, Method demonstration, Training.
				01 year	Livestock & poultry	Scarcity of green fodder during summer Lack of knowledge on silage preparation Low quality fodder Low milk yield and reduced conception rate Slow growth rate in growing goats Post partum complications in Dairy animals	Group meeting Training FLD, OFT &Field day
				01 year	Fisheries	Lack of knowledge on fish rearing in farm ponds Low Yield, Problem of fish catching birds Lack of knowledge on feeding practices	Training FLD &Field day
3.	Indi Block	Indi	Ahirasnaga Village	01 year	Redgram Chickpea Cotton Maize Groundnut Lime	Wilt/ dry root rot and pod borer (60%) Moisture stress (40%) Mono-cropping (25 %) Low yielding Pod borer (30%) Dry root rot/wilt (20-30%%) Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition Fall army worm incidence No use of bio- fertilizers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield Micronutrient deficiency (20%), Canker (40%)	Group meeting Training FLD, OFT & Field day

					Pomegranate	Gummosis and die back (10%) Blight (30%) Wilt (30%) Fruit sucking moth (25-30%)	
					Onion	Low yielding private/local varieties (30%) Non availability of season specific varieties Rotting (15%), sucking pests (20%) Non-application of sulphur	
					Watermelon	Flowering and fruit set is poor due to deficiency of micronutrients, High private seed cost. High incidence of sucking pest and diseases.	
					Tomato	Low yield and inferior quality, deficiency of micronutrients, early blight and wilt	
					Chilli	Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%)	
					Sunflower	Poor yield, lack of high yielding hybrids. Downy Mildew and poor nutrient	CFLD, Field visits, Method Demonstration
					Sorghum	Low yield, lack of information on high yielding varieties, Poor nutrient and infestation of pest and disease	OFT, Field Visit, Field Day, Method Demonstration
					Soybean	Poor yield, lack of awareness soybean crop, high yielding varieties, rust incidence and shattering	OFT, Field Visit, Group Discussion, Method Demonstration
					Millets	lack of awareness soybean crop, high yielding varieties blight incidence and Poor yield,	FLD, Field Visit and Group Discussion, Training, recipe contest, Method Demonstration
					Sugarcane	Low yield, poor nutrient, trash burning, lack of high yielding varieties, White fly, Root grub	FLD, campaign, Method demonstration, Training.
				01 year	Livestock & poultry	Scarcity of green fodder during summer	FLD, Training Programmes,

						Lack of knowledge on silage preparation Low quality fodder Low milk yield and reduced conception rate Slow growth rate in growing goats Post partum complications in Dairy animals Lower Egg laying rate, Chick mortality	Method demonstrations , Field Visits, field days and FFS
				01 year	Fisheries	Lack of knowledge on fish rearing in farm ponds Low Yield, Problem of fish catching birds Lack of knowledge on feeding practices	FLD,OFT, Training Programmes, Method demonstrations , Field Visits, field days
4.	Devarahip pargiBlock	Indi	Mulsavalag iVillage	01 year	Redgram Chickpea Cotton Maize Groundnut Lime Pomegranate Chilli Onion	Wilt/ dry root rot and pod borer (60%) Moisture stress (40%) Mono-cropping (25 %) Low yielding Pod borer (30%) Dry root rot/wilt (20-30%%) Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition Fall army worm incidence No use of bio- fertilizers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield Micronutrient deficiency (20%), Canker (40%) Gummosis and die back (10%) Blight (30%) Wilt (30%) Fruit sucking moth (25-30%) Low yielding private varieties (30%) Non availability of season specific varieties Rotting (15%), sucking pests (20%) Non-application of	Group meeting Training FLD, OFT & Field day

						sulphur	
					Watermelon	Flowering and fruit set is poor due to deficiency of micronutrients, High private seed cost. High incidence of sucking pest and diseases.	
					Tomato	Low yield and inferior quality, deficiency of micronutrients, early blight and wilt	
					Chilli	Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%)	
					Sunflower	Poor yield, lack of high yielding hybrids. Downy Mildew and poor nutrient	CFLD, Field visits, Method Demonstration
					Sorghum	Low yield, lack of information on high yielding varieties, Poor nutrient and infestation of pest and disease	OFT, Field Visit, Field Day, Method Demonstration
					Soybean	Poor yield, lack of awareness soybean crop, high yielding varieties, rust incidence and shattering	OFT, Field Visit, Group Discussion, Method Demonstration
					Millets	lack of awareness soybean crop, high yielding varieties blight incidence and Poor yield,	FLD, Field Visit and Group Discussion, Training, recipe contest, Method Demonstration
					Sugarcane	Low yield, poor nutrient, trash burning, lack of high yielding varieties, White fly, Root grub	FLD, campaign, Method demonstration, Training.
				01 year	Livestock & poultry	Scarcity of green fodder during summer Lack of knowledge on silage preparation Low quality fodder Low milk yield and reduced conception rate Slow growth rate in growing goats Post partum complications in Dairy animals Lower Egg laying rate, Chick mortality	FLD, Training Programmes, Method demonstrations , Field Visits, field days and FFS
				01 year	Fisheries	Lack of knowledge on fish rearing in farm ponds Low Yield, Problem of	FLD,OFT, Training Programmes,

						fish catching birds Lack of knowledge on feeding practices	Method demonstrations , Field Visits, field days

2.9 Priority thrust areas

S. No	Thrust area
1.	• Introduction of new varieties/hybrids and crop
2.	• High Yielding varieties
3.	• Integrated Nutrient Management
4.	• Integrated Pest and Disease Management
5.	• Production of quality produce
6.	• Management of livestock
7.	• Fodder and disease management in animals
8.	• Creation of self-employment opportunities
9.	• Organic Farming
10.	• Farm Mechanization
11.	• Subsidiary Occupation
12.	• Integrated farming System (IFS)
13.	• *Insitu* manuring
14.	• *Insitu* Composting
15.	• Nutri garden for nutritional security to farm house holds
16.	• Value addition of millets and lime

PART III - TECHNICAL ACHIEVEMENTS

3.A. Target and Achievements of mandatory activities

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
06	05	32	27	19	17	210	190

Training (Farmers/farm women)				Training (Rural youth)			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
	15		**350**		02		45

Training (Extension personnel)				Training (sponsored)			
5				6			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
4	**2**	**15**	**12**	-	-	-	-

Training (Vocational)				Extension Programmes			
7				8			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
-	-	-	-	1500	1912	5000	7200

Seed Production (Q)		Planting material (Nos.)	
9		10	
Target	Achievement	Target	Achievement
60	51.02	2500	1500

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
11		12	
Target	Achievement	Target	Achievement
0	0	0	0

Soil, water, plant and manure analysis (including mobile kits)				Mobile agro advisories provided			
13				14			
Samples (No.)		Farmers (No.)		Messages including text, voice (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
500	**309**	**500**	**309**	65	45	1800	1200

3.B1. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
1	ICM	Brinjal			ICM in Brinjal	02			15	-	-	-	AMC	
2	Variety	Tomato			Demonstration of tomato hybrid Arka Samrat				05					
3	IDM	Onion		Management of twisting disease in onion				2	-	12				
4	Variety	Bhendi		Assessment of Bhendi hybrids for adoptability in Vijayapura District						0.5kg each				
1	Variety Introduction	Watermelon			Introduction of new watermelon variety Arka Shyama		-	-	16	250g				
2	IDM	Watermelon			Integrated disease mangement in watermelon	-	-	-	5					
3	INM	Acid lime			Bahar and micronutrient management in Lime	3	-	2	12					
4	IDM	Acid lime			Management of Citrus bacterial canker and leaf miner	2	-	2	10					
5	Variety	Rose			Demonstration of New Rose variety Arka Savi for loose flower and garland making -									
	INM-	Onion	Non-application of sulphur and 15-20 % of storage losses	--	Demonstration of Sulphur application in Onion for better yield	06	01	-	5	-	-	-	*Azospirillum* -1 kg PSB-1 kg	Bentonite sulphur -15 kg

	INM	Pomegranate	Flower drop 20% Higher cost of inorganic fertilizer	-	Demonstration of novel microorganism (*Penicilliu m pinophilum*) for nutrient management in Pomegranate	06	01		Field visit FLD Training	-	-	-	*Sonaar - 6 kg*	-
	INM	Sugarcane	Low organic matter in soil Burning of trash And Lack of awareness about in-situ composting		*In-situ* composting of Sugarcane trash using UASD compost culture	05	01	15	Field visit FLD Training	-	-	-	UASD compost culture - 5 kg	-
	Post Harvest Technology	Grain (Pulse & Cereals)		Assessment of storage bags for safe storage of grains		01	-	3	Field visit OFT Training		Grain (Pulse & Cereals)		Assessment of storage bags for safe storage of grains	
	Mechanization	Onion			Demonstration of battery operated onion detopper	01	-		Field visit FLD Training	Rabi 2022	Onion			Demonstration of battery operated onion detopper
	Mechanization	Chickpea			Popularization of nipping technique in chickpea	01	-	3	Field visit	Rabi 2022	Chickpea			Popularization of nipping technique in chickpea
	Nutrition Scarcity	Nutrigarden			Nutri Garden for year round nutritional security among farm families	01	-	6	Field visit	Kharif 2023	Nutrigarden			Nutri Garden for year round nutritional security among farm families
	Processing and value addition	Lime			EDP- on Lime processing	02	-	4	Training		Lime			EDP- on Lime processing
	Processing and value addition	Foxtail Millet			Entrepreneurship Development through Value Addition in Foxtail Millet	02	-	8	Training		Foxtail Millet			Entrepreneurship Development through Value Addition in Foxtail Millet

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.ofprogrammes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1.	Assessment of rabi sorghum variety Phule Revathi (RSV-1006)	MPKV Rahuri	Sorghum	OFT	-	01	Field visits
2.	Assessment of Soybean variety for higher yield	MPKV Rahuri	Soybean	OFT	-	01	Field visits
3.	Assessment of Bhendi hybrids for adoptability in Vijayapura district	IIHR, Bengaluru	Bhendi	OFT	-	01	Field visits
4.	Management of twisting disease in onion	DOGR Pune and Adhoc recommendation, UAS, Dharwad	Onion	OFT	-	01	Field Visits.
5.	Management of wilt in lime	UAS, Dharwad& NRCC, Nagpur	lime	OFT		01	Field Visits.
6.	Integrated crop management in Brinjal	IIHR, Bengaluru	Brinjal	-	FLD	01	Field visits
7.	Demonstration of tomato hybrid Arka Samrat	IIHR, Bengaluru	Tomato	-	FLD	01	Field visits
8.	Introduction of new watermelon variety –Arka Shyama	IIHR, Bengaluru	Watermelon	-	FLD	01	Field visits
9.	Demonstration of New Rose variety Arka Savi for loose flower and garland making	IIHR, Bengaluru	Rose	-	FLD	00	Field visits
10.	Bahar and micronutrient management in Lime	IIHR, Bengaluru NRCC, Nagpur	Acid lime	-	FLD	02	Field visits
11.	Management of citrus canker and leaf miner in lime	UAS, Dharwad and NRC Nagpur	Lime	-	FLD	01	Field visits
12.	Demonstration of Sulphur application in Onion for better yield	NHRDF, Nasik	Onion		FLD	01	Field visits
13.	Demonstration of novel microorganism for nutrient management in pomegranate	NRC Pomegranate, Solapur	Pomegranate		FLD	01	Field visits

14.	Demonstration of Sulphur application in Onion for better yield	NHRDF, Nasik	Onion		FLD	01	Field visits and method demonstration
15.	In-situ composting of Sugarcane trash using UASD compost culture	UAS, Dharwad	Sugarcane		FLD	01	Field visits and method demonstration
16.	Demonstration of novel microorganism (Penicillium pinophilum) for nutrient management in Pomegranate	NRC, Solapur	Pomegranate		FLD	01	Field visits and method demonstration
17.	Demonstration of Dicoccum variety DDK-1029	UAS, Dharwad	Diococcum Wheat		FLD	01	Field visits and method demonstration
18.	Demonstration of foxtail millet variety DHFt-109-3	UAS, Dharwad	Foxtail millet		FLD	01	Field visits and method demonstration
19.	Assessment of storage bags for safe storage of grains	UAS, Raichur	Grain (Pulse & Cereals)	OFT		01	Field visits
20.	Demonstration of battery operated onion detopper	Farmio Ltd.	Onion		FLD	01	Field Visits.
21.	Popularization of nipping technique in chickpea	UAS, Raichur	Chickpea		FLD	01	Field Visits.
22.	Perennial supply of green fodder model	KVFSAU, Bidar	Fodder		FLD	01	Field Visits.
23.	Preservation of green fodder as silage using silo bags	KVFSAU, Bidar	Fodder		FLD	01	Field Visits.
24.	Promotion of composite (fish farming in storage ponds)	KVFSAU, Bidar	Fish		FLD	01	Field Visits.

3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				**Others (Specify)**			
General		SC/ST		General		SC/ST		General		SC/ST		**General**		**SC/ST**	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
05	0	1	0	-	-	-	-	28	02	01	04	01	02	01	02
05	0	1	0	-	-	-	-	15	02	6	3	04	02	01	02
04	0	2	0	-	-	-	-	16	01	02	01	02	01	01	03
03	0	01	0	-	-	-	-	18	01	01	01	03	01	01	02
				04	0	01	0	20	04	03	01	02	01	02	01
				08	0	02	0	19	02	02	01	01	02	03	01
				07	0	03	0	22	02	04	02	04	03	02	01
				08	0	02	0	24	03	06	05	03	03	01	03
				02	0	0	0	15	02	6	3	04	02	01	02

				12	0	03	0	16	01	02	01	02	01	01	04
				12	0	03	0	20	04	03	01	02	01	02	01
				05	0	01	0	19	02	01	01	01	02	03	01
				08	0	02	0	28	02	01	03	01	02	02	02
				13	0	02	0	15	02	6	3	04	02	01	02
				12	0	03	0	15	02	6	3	04	02	01	02
				08	0	02	0	16	01	02	01	03	01	01	04
				07	-	03	0	15	02	6	3	04	02	01	02
				09	0	01	0	16	01	02	01	02	01	01	04
04	0	01	0	0	0	0	0	20	04	03	01	02	01	02	01
				08	0	02	0	28	02	03	04	01	02	01	02
				09	0	01	0	16	04	02	01	02	01	01	04
				08	0	1	1	12	12	10	23	01	01	01	01
				09	0	1	2	12	14	10	23	01	01	01	01
				08	0	02	0	28	02	03	04	01	02	01	02
				08	0	02	0	16	01	02	01	03	01	01	04

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PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Spice / Medicinal crops	TOTAL
Integrated Nutrient Management					Onion						
Integrated Nutrient Management				Sugarcane							
Integrated Nutrient Management				Pomegranate							
Varietal Evaluation					Bhendi	-	-	-	-	-	
Integrated Pest Management											
Integrated Crop Management											
Integrated Disease Management				Onion		Acid lime	-	-	-	-	
Small Scale Income Generation Enterprises											
Weed Management											
Resource Conservation Technology											
Farm Machineries											
Integrated Farming System											
Seed / Plant production											
Value addition											
Drudgery Reduction											
Storage Technique											
Cropping Systems											
Farm Mechanization											
Mushroom cultivation											
others											
Total											

4.A2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Spice / Medicinal crops	TOTAL

Integrated Nutrient Management											
Varietal Evaluation											
Integrated Pest Management											
Integrated Crop Management											
Integrated Disease Management											
Small Scale Income Generation Enterprises											
Weed Management											
Resource Conservation Technology											
Farm Machineries											
Integrated Farming System											
Seed / Plant production											
Value addition											
Drudgery Reduction											
Storage Technique											
Cropping Systems											
Farm Mechanization											
Mushroom cultivation											
Others											
Total											

4.A3. Abstract on the number of technologies assessed in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
Dairy						
Others (Pl. specify)						
TOTAL						

4.A4. Abstract on the number of technologies refined in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
Dairy						
Others (Pl. specify)						
TOTAL						

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management						
Varietal Evaluation	Bhendi	Assessment of Bhendi hybrids for adoptability in Vijayapura District	03	06	06	2.4
	Soybean	Assessment of soybean verities for higher yield	04	06	06	2.4 ha
Integrated Pest Management						
Integrated Crop Management						
Integrated Disease Management	Onion	Management of twisting disease in onion	03	08	08	2.4
	Acid lime	Management of wilt in lime	03	06	02	2.4
Small Scale Income Generation Enterprises						
Weed Management						
Resource Conservation Technology						
Farm Machineries						
Integrated Farming System						
Seed / Plant production						
Value addition						
Drudgery Reduction						
Storage Technique						
Mushroom cultivation						
Total						

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers/locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management						
Varietal Evaluation						

Integrated Pest Management						
Integrated Crop Management						
Integrated Disease Management						
Small Scale Income Generation Enterprises						
Weed Management						
Resource Conservation Technology						
Farm Machineries						
Integrated Farming System						
Seed / Plant production						
Post Harvest Technology/Value addition	EDP on Lime				25	
	EDP o n millets				25	
Drudgery Reduction	Chick pea		FLD 1	5	8	1acre
	Onion Detopper		FLD 1	5	5	1acre
Storage Technique	Safe Grain Storage bagas		OFT 1	5	5	1acre
Mushroom cultivation						
Cropping Systems						
Farm Mechanization						
Others, Pl specify						
Total						

4.B.3. Technologies assessed under Livestock

Thematic areas	**Name of the livestock**	**Name of the technologies**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of farmers/locations**
Evaluation of breeds					
Nutrition management					
Disease management					
Processing and Value addition					
Production and management					
Feed and fodder management					

Small scale income generating enterprises					
Others, pl. specify					
Total					

4.B.4. Technologies Refined under Livestock and other enterprises

Thematic areas	**Name of the livestock**	**Name of the technologies**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of farmers/locations**
Evaluation of breeds					
Nutrition management					
Disease management					
Processing and Value addition					
Production and management					
Feed and fodder management					
Small scale income generating enterprises					
Others, pl. specify					
Total					

4.B.5. T**echnologies assessed under various enterprises by KVKs**

Sl.	**Thematic areas**	**Name of the enterprise**	**Name of technology(s)**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of locations**
1	Drudgery reduction	Chick pea				
		Onion Detopper				
		Safe Grain Storage bags				
2	Entrepreneurship Development	Millets products development and marketing	5	EDP	5	5
3	Health and nutrition	CDPO - Angawadi				
4	Processing and value addition	EDP on Lime				

		EDP o n millets				
5	Energy conservation					
6	Small-scale income generation					
7	Storage techniques	Safe Grain Storage bagas		OFT 1	5	4
8	Household food security	Nutrigarden	Nutri Garden for year round nutritional security among farm families	Special Programme	30	4
9	Organic farming					
10	Agroforestry management					
11	Mechanization					
12	Resource conservation technology					
13	Value Addition	EDP on Lime	Processing and Value addition	EDP	1shg	1shg
		EDP o n millets	Processing and Value addition	EDP		
14	Others, pl. specify					

4.B.6.T**echnologies assessed under various enterprises for women empowerment**

S No	**Thematic areas**	**Name of enterprise**	**Name of technology(s)**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of locations**
1	Drudgery Reduction					
2	Entrepreneurship Development					
3	Health and Nutrition					
4	Value Addition	Millets products development	Millets products development	Under EDP	5	1 SHG
		Lime products pickle chutney	Lime products pickle chutney	Under EDP	5	1 SHG
5	Women Empowerment	Millets products development	Millets products development	Under EDP	5	1 SHG
		Lime products pickle chutney	Lime products pickle chutney	Under EDP	5	1 SHG
6	Others, pl. specify					

4.C1.Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Bhendi	Irrigated	Existing hybrids are low yielding	Assessment of Bhendi hybrids for adoptability in Vijayapura District	05	TO1: Pvt. Hybrid	Private hybrid	173.1	q/ha	14.5 Fruit length in cm	380820	256268	3.06
					TO2: CoBH-4	TNAU, Tamil Nadu	189.1	q/ha	13.7 Fruit length in cm	415976	294677	3.43
					TO3: Arka Nikita	IIHR, B	195.3	q/ha	14.0 Fruit length in cm	429660	309192	3.57
Onion	Irrigated	Low yield due to twisting disease	Management of twisting disease in Onion	04	To1: Spraying with mixture of pesticides	Farmer Practice	93.4	q/ha	36.8 (% of twisting disease incidence)	168400	85398	2.04
					TO2: 1. Soil application of Trichoderma sp @2 kg multiplied with 100kg of farm yard manure (FYM)/ha. 2. Seed treatment with *Trichoderma*sp @ 6 g/kg seed 3.Seedling root dipping (0.25% carbosulfan 25 EC + 0.1 % carbendazim 50 WP) 4. Foliar spray of insecticides like profenophos 50 EC @ 2 ml/L or Fipronil 5 SG @ 1ml/L 5. Foliar spray of fungicide hexaconazole 5 EC or Propiconazole 25 EC (0.1%).	Module 1- DOGR Pune	127.2	q/ha	12.9 (% of twisting disease incidence)	255430	171484	3.04
					TO3:1. Soil application of Neem cake 5 q/ha+ Trichoderma + Pseudomonas 5 kg/ha with 100kg of Farm Yard Manure (FYM)/hectare 2.Seed treatment with Carbendazim @ 2g/kg and seedling dip	Module 2- Adhoc Recommendation UAS, D	146.8	q/ha	8.1 (% of twisting disease incidence)	320125	196258	3.78

					with Pseudomonas florescens @ 10 g/l 3. Foliar spraying with Boron @ 2g/l, Multi K @ 3 g/l, Hexaconazole 5 EC @ 0.1 % and Fipronil 5 SG @ 1ml/l at 30 DAS							
Lime	Irrigated	High incidence of wilting, yellowing and pre mature fruit drop	Management of wilt in lime	05	TO1: Uprooting/ drenching/spraying with various pesticides		162	q/ha	Wilt (%) 17.4%	201375	150055	3.93
					TO2: 1.Sanitation, 2.Drenching wihmetalaxyl MZ @ 3 gram /litre 3.Soil application with bio-agents (Trichoderma harzianum, Paecilomyces and Pseudomonas) @ 3 kg per acre enriched with 100 kg FYM	UAS, D	185	q/ha	10.8%	231250	176994	4.26
					TO3: 1.Pruning the affected branches/twigs 2. trunk paste with 10% bordaux paste twice a year (before rains and after monsoon) 3.spraying and drenching the diseased plants with either mefonoxam MZ @ 2.5 g per litre or fosetyl AL @ 2.5 g per litre covering full canopy and basin 4.soil application of Neem cake@ 20kg/plant along with T. harizanium @ 20 g per plant around root zone 5.Soil application of ZnSo4 and FeSo4 10 kg per acre	NRCC, Nagpur	208	q/ha	7.20%	260000	203498	4.6

Soybean	Rainfed /irrigated	Low yield and lakh of information on high yielding varieties	Assessment of soybean varieties for higher yield	06	T.O.1 (Farmers practice)	-	8.45 q/ha	-	Incidence of rust 25-30%	78,162 (Rs. /q)	36,662(Rs. /q)	1.88
					T.O.2: Dsb-34	UAS, Dharwad	16.20 q/ha	-	5-10%	1,49,850 (Rs. /q)	98,620 (Rs. /q)	2.93
					T.O.3: KDS-726	MPKV Rahuri	11.72 q/ha	-	15-20%	1,08,410 (Rs. /q)	59,760 (Rs. /q)	2.23
					T.O.3: KDS-726	MPKV Rahuri	14.34 q/ha	-	10-15%	1,32,645 (Rs. /q)	83,995 (Rs. /q)	2.73
Grain (Pulse & Cereals)			Assessment of storage bags for safe storage of grains	05	Storage in bags TO-1	Farmers Practice						
					Save grain bags TO-2	PCI, India						
					Three layered storage bag TO-3	UAS, Raichur						
Onion			Demonstration of battery operated onion detopper	10	Demonstration of battery operated onion detopper	Farmio Ltd.						
Chickpea			Popularization of nipping technique in chickpea	05	Demonstration of nipping technique in chickpea	Solar operated nipping machine						
Lime			Entrepreneurship Development through Value Addition Lime	1 SHG	Processing and Value Addition							
Foxtail Millet			Entrepreneurship Development through Value Addition in Foxtail Millet	01 SHG	Processing and Value Addition							
Nutrigarden			Nutri Garden for year round nutritional security among farm families	30	Nutri Garden for year round nutritional security among farm families							

4. C2. Feedback on technologies assessed

Name of technology assessed	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Assessment of soybean varieties for higher yield	Higher yield from the variety Dsb-34 and during harvesting period there is no shuttering	Lakh of knowledge in use of high yielding varieties
Assessment of Bhendi hybrids for adoptability in Vijayapura District	The hybrids are very tender, shining, more fruit weight and easy to harvest due to less spines	Seed availability during the season is the constraint
Management of foliar diseases/Twisting disease in Onion	Foliar spraying with Boron @ 2g/l, Multi K @ 5g/l, Hexaconazole @ 0.1 % and Fipronil 1ml/L at 30 DAS gives higher yield and low disease incidence compared to another module.	The recommendation is complex, hence farmers expressed difficulty in practicing.
Management of wilt in lime	The technology is simple and can be practiced by the farmers	High recovery of the wilted plants and recovered plants showed a greater number of fruits

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed**:** Assessment of Bhendi hybrids for adoptability in Vijayapura District

2. Performance of the Technology on specific indicators**:** High yielding hybrids with quality fruits.

3. Specific Feedback from farmers: fruits of CoBH-4and Arka Nikita fruits having more shining, attractive colour and less spines compare to local Hybrid.

4. Specific Feedback from Extension personnel and other stakeholders: Un-availability of Arka Nikita seeds

5. Feedback to Research System based on results and feedback received: CoBH-4 hybrid not suitable for late harvest if harvesting is delayed for one day, the fruits become fibrous.

6. Feedback on usefulness and constraints of technology: Arka Nikita fruits are tender having attractive colour preferred in local market and high yielder. Unavailability of Arka Nikita seeds is a major constrains.

1. Title of Technology Assessed: Assessment of soybean varieties for higher yield

2. Performance of the Technology on specific indicators: TO-1: Farmers practices TO-2: Dsb-34 TO-3: KDS-726 TO-4: KDS-753

3.Specific Feedback from farmers: Higher yield from the variety Dsb-34 and during harvesting period there is no shuttering

4.Specific Feedback from Extension personnel and other stakeholders: -

5. Feedback to Research System based on results and feedback received: -

6. Feedback on usefulness and constraints of technology: -

1. Title of Technology Assessed:Management of Twisting disease in Onion

2. Performance of the Technology on specific indicators: TO-1: Spraying of mixture of pesticides (Imidacloprid 17.8% SL, Fipronil 5 SG, Monocrotophos 36% SL, Hexaconazole 5% EC, Spraying alone or in combinations for three to four times) TO-2: Soil application Trichoderma sp@2 kg multiplied with 100 kg of farm yard manure (FYM)/ha , seed treatment with Trichoderma sp @6g/kg seed, seedling root dipping (0.25% Carbosulfan 25 EC + 0.1% carbendazim 50 WP), Foliar spray of Insecticide Fipronil 5 SG @ 1ml/l , Foliar spray of fungicide Hexaconazole 5EC or Propiconazole 25 EC (0.1%)

TO-3: Soil application of Neem cake 5 q/ha + *Trichoderma* + *Pseduomonas* 55 kg/ha with 100 kg of Farm Yard manure (FYM)/ha, Seed treatment with Carbendazim @2 g/l at 20 DAT and multi K @ 3g/l at 40 DAT

Foliar sparying of Hexaconazone 5 EC @0.1 % and Fipronil 5 SG @1 ml/l at 30 DAT and 60 DAT

3.Specific Feedback from farmers:

4.Specific Feedback from Extension personnel and other stakeholders: -

5. Feedback to Research System based on results and feedback received: -

6. Feedback on usefulness and constraints of technology: -

4.D1. Results of Technologies Refined

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Refined	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
					T.O.1 (Farmers practice)							
					T.O.2							
					T.O.3							

4. D2. Feedback on technologies refined

Name of technology refined	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**

4.D.2. Details of Technologies refined:

1. Title of Technology Refined
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results/feedback received
6. Feedback on usefulness and constraints of technology

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented

Sl. No.	**Category**	**Farming Situation**	**Season**	**Crop**	**Variety / breed**	**Hybrid**	**Thematic area**	**Technology Demonstrated**	**Area (ha)**		**Farmers (No.)**		**Farmers (No.)**	
									Proposed	**Actual**	**SC/ ST**	**Others**	**Small/ Marginal**	**Others**
	Oilseeds													
	Pulses													
	Cereals													
	Millets	Rainfed	*Kharif*	Foxtail millet	Dhft-109-03	-	Low yield	Demonstration of foxtail millet variety Dhft-109-03	4.0 ha	4.0 ha		10	03	07

	Vegetables	Irrigated	Kharif	Brinjal		MAHY-4	ICM	Use of AMC, Vegetable special Pheromone traps	4.0	4.0	03	07	08	02
			Rabi	Tomato		Arka Samrat	Variety	New variety introduction	2.0	2.0	02	03	07	03
			Rabi	Bhendi		Arka Nikita	Variety	New variety introduction	4.0	4.0	03	07	08	02
			Summer	Watermelon	Arka Shyama		Variety	New variety introduction	2.0	2.0	02	03	07	03
			Summer	Watermelon		Melody	IPDM	Management of sucking pest wilt and PM	2.0	2.0	01	03	08	02
		Irrigated	Kharif	Onion	Bheema super and Panchganga		INM	Application of NPKS : 100:50:50:30 kg/ha and Azospirillum and PSB @ 5 kg each /ha at the time of transplanting	2.4	2.4	02	03	01	
	Flowers	Irrigated	Kharif	Rose	Arka Savi		Variety	New variety introduction	0.20	0.20	01	01	01	01

	Ornamental													
	Fruit	Irrigated	Rabi	Acid Lime			INM	Bahar and micronutrient mgmt. in Lime	4.0	4.0	03	07	05	05
		Irrigated	kharif	Acid Lime			IPDM	Management of Citrus bacterial canker and leaf miner	4.0	4.0	04	06	06	04
	Fruit	Irrigated	Rabi	Pomegranate	Kesar		INM	Application of "SONA AR" bio-mixture	2.4	2.4	03	02	01	
	Spices and condiments													
	Commercial	Irrigated	Summer	Sugarcane		Co-86032	INM	Application of UASD compost culture	10	10	05	02	03	
	Medicinal and aromatic													
	Fodder													
	Plantation													
	Fibre													
	Dairy													
	Poultry													
	Rabbitry													

	Piggery													
	Sheep and goat													
	Duckery													
	Common carps													
	Mussels													
	Ornamental fishes													
	Oyster mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													
	Implements													
	Others (specify)													

5.A. 1. Soil fertility status of FLDs plots, if analyzed

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds												
	Pulses												
	Cereals												
	Millets												
	Vegetables	Onion											Initial –S content is 8.88

													ppm After harvest of the crop S content is 9.085
	Flowers												
	Ornamental												
	Fruit												
	Spices and condiments												
	Commercial	Sugarcane							244.88	40.305	295.5		9.336
	Medicinal and aromatic												
	Fodder												
	Plantation												
	Fibre												

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	Economics of demonstration (Rs./ha)			Economics of demonstration (FP)(Rs./ha)		
							Demo			Check		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds																	
Pulses																	
Cereals																	
Millets	Foxtail millet	DHft-109-03	-	Rainfed	10	4.0 ha	9.0	6.3	7.5	3.2	57.30 %	43,500	28,050	2.82	18,560	6,260	1.51
Vegetables Brinjal	ICM in Brinjal	-	Pvt	Irrigated	10	4.0	22.50	15.25	16.87	14.33	17.58	506040	386859	4.2	429840	305523	3.5
	Tomato		Arka Samrat	Irrigated	05	2.0	37.0	34.50	35.65	30.70	16.18	285200	160070	2.28	245632	114880	1.88
	watermelon	Arka Shyama		Irrigated	05	2.0	45.25	42.0	43.39	41.50	4.54	325425	206517	2.74	311250	175812	2.3
	watermelon		Melody	Irrigated	05	2.0	44	39	42.04	37.30	12.73	294280	169450	2.36	261100	132206	2.03
Onion	Application of NPKS : 100:50:50: 30 kg/ha and *Azospirillum* and PSB @ 5 kg each/ha at the time of transplanting	Panchaganga		Irrigated	06	2.4	185	165	208	148	19.54	4,20,160	3,50,775	5.4	2,66,400	1,96,295	3.8
Flowers	Rose	Arka Savi		Irrigated	02	0.25 acr	4.68	3.58	4.68	6.68	42.73	234000	199000	6.69	399600	345754	7.42
				Irrigated													
Ornamental				Irrigated													
				Irrigated													
Fruit	Acid lime	Kagzi		Irrigated	10	4.0	23.0	19.75	21.33	18.03	18.38	277225	232063	6.14	225312	177417	4.71
	Acid lime	Kagzi		Irrigated	10	4.0	22.57	16.50	20.75	17.13	21.17	249000	186987	4.02	191125	131000	3.18
Pomegranate	Application of "SONAAR" bio-mixture	Kesar		Irrigated	06	2.4	186.27	158	168.2	154	9.22	1379240	1131240	5.56	1232000	980000	4.89

Spices and condiments																	
Commercial																	
Sugarcane	Application of UASD compost culture	CO-86032		Irrigated	10	4.0	1226	748	875	484	80.78	2,45,000	170550	3.30	135520	73,320	2.18
Fibre crops like cotton																	
Medicinal and aromatic																	
Fodder																	
Plantation																	
Fibre																	
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H – Highest Yield, L – Lowest Yield A – Average Yield

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Brinjal fruit weight (g)	70.6	64.2
Brinjal shoot & fruit borer damage (%)	8.76	13.05
Tomato No. fruits/plant	28.33	25.66
Tomato PDI(%)	5.95	14.2
Watermelon Fruit weight (kg)	4.12	3.98
Watermelon Wilt (%)	5.9	14.8
Watermelon PM (%)	4.4	10.80
Rose Shelf life (Days)	06	05
Acid lime Fruit weight (g)	72.25	64.60
Acid limeCanker (%)	5.25	17.30
Acid lime% Leaf miner infestation (%)	5.10	14.80

Feedback on technologies demonstrated

Name of technology demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Demonstration Foxtail millet variety DHft-109-	As compared to local variety DHft-109-03 variety has higher grains as well fodder yield	Crop has nutritionally rich in fiber content

03		
Brinjal	Integrated management of crop at correct interval reduced the usage of fertilizers, chemical sprays and increases yield	
Rose Arka Savi	Flower size is bigger than local variety Mirabel and colour is also not preferred in local market	Purple pink flower not suitable for local market
Acid lime	Bahar and micronutrient management of acid lime gives high yield and quality fruits during summer which gives high returns to farmers compare to another season crop.	
Watermelon Arka Shyama	It is a icebox segment watermelon variety has dark greenish black rind, oblong fruit shape, early (65-70 days to harvest) possessing dark red coloured, crispy, sweet and Recorded high yield, crispy fruits and reduction in cost of production. No need to purchase seed every time.	
Tomato Arka Samrat hybrid variety	Arka Samrat hybrid is high yielding and disease resistant hybrid	Availability of seeds is the constraint
Onion	Application of sulphur @ 30 kg/ha reduces rotting of onion bulbs and increases yield 10-15 % and self life of onion bulbs is enhance from 12 to 14 days	Self life of onion bulbs is enhance from 12 to 14 days so that farmers can wait for good rate and get higher price of onion bulbs
Sugarcane	Using UASD compost culture trash composting is fast (30 days) and is organic manure for ratoon crop.	Burning of trash Sugarcane trash is reduces and improvement in soil fertility status
Pomegranate	Application of Sonaar mixture as nutrient for pomegranate has helped in reduction of flower drop and increase in fruit size and weight in pomegranate.	50% Potassium fertilizer application will be reduces.
Nutri Garden for year round nutritional security among farm families	Availability of vegetables and fruits in the own farm increases the frequency of consumption. Availability of fresh vegetables regularly. Expenditure on purchase of vegetables is saved. Nutrigarden helps in consumption of all types of vegetables	
Popularization of nipping technique in chickpea	Technology is cost efficient, provides additional income by sale of leafy vegetable if no pesticides are sprayed Need some modification with respect to number of rows covered and wheel design	
Demonstration of battery operated onion detopper	Technology is cost efficient, provides additional income but when compare to machine detoping manual detopping is good because machine detopping is gives no uniformity and unity in bulb cutting.Manual cutting gives faster cutting, uniformity and unity in bulbs detopping. Need some design modification in cutting and safety purpose	
EDP on lime	Started selling the products	
EDP on Millets	Started selling the products	

5. B2. Data on IFS demonstrations including KVK farm demo model

Nil

Name of the IFS technology demonstrated	Name of IFS Components				Total Area (ha)	IFS Yield (q/ha)				Check yield (Monoc op)	% Increase over check	Economics of IFS demonstration (Rs. /ha)			Economics of check demonstration (Rs. /ha)		
	1	2	3	4		Component wise (Mention name of component and yield parameter)						Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
						1	2	3	4								

Feedback on IFS technologies demonstrated

Nil

Name of IFS technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B.3. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Name of the parameter with unit	Yield (kg/animal)				% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
						Demo			Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								

Dairy	Perennial supply of green fodder model	-	10	10	Yield (ton/harvest) and milk yield (ltr)	7.9	4.3	6.6	4.7	28.78	72360	26870	2.69	59360	22980	2.58
	Demonstration on silage production in silo bags	-	10	10	Quality of silage and milk yield (ltr/lactation/animals)	9.5	5.9	7.2	5.2	37.89	94000	28250	3.20	74000	29600	2.50
Poultry																
Rabbitry																
Pigerry																
Sheep and goat																
Duckery																
Others (pl.specify)																

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

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**

5. B4. Feedback on livestock technologies demonstrated

Name of livestock technology demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**

5.B.5. Fisheries

Type of Breed	**Name of the technology demonstrated**	**Breed**	**No. of Demo**	**Units/ Area (m^2)**	**Name of the parameter with unit**	**Yield (q/ha)**				**% Increase**	***Economics of demonstration (Rs./unit)**			***Economics of check (Rs./unit)**		
						Demo			**Check if any**		**Gross Return**	**Net Return**	**** BCR**	**Gross Return**	**Net Return**	**** BCR**
						H	L	A								
Common carps	Promotion of composite fish farming in storage ponds	Rohu, catla and common carp	06	2400	Yield (q)	35.40	24.00	29.70	-	-	2,52,450	1,22,450	2.06	-	-	-

Mussels																
Ornamental fishes																
Others (pl.specify)																

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**

5. B6. Feedback on fisheries technologies demonstrated

Name of fisheries technology demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Promotion of composite fish farming in storage ponds	• Storage ponds can be utilized for fish rearing to obtain additional income • The water of fish reared tank can be beneficial to the horti and agriculture crops	

5.B.7. Other enterprises

Enterprise	**Name of the technology demonstrated**	**Variety/ species**	**No. of Demo**	**Units/ Area {m^2}**	**Name of the parameter with unit**	**Yield**				**% Increase**	***Economics of demonstration (Rs./unit) or (Rs./m2)**			***Economics of check (Rs./unit) or (Rs./m2)**		
						Demo			**Check if any**		**Gross Return**	**Net Return**	**** BCR**	**Gross Return**	**Net Return**	**** BCR**
						H	**L**	**A**								
Oyster mushroom																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= Gross Return/Gross Cost
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**

5. B8. Feedback on enterprises demonstrated

Name of enterprise demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B.9. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Name of the operation with unit	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
						Demo	Check			Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
Onion detopper	12,000	Demonstration of battery operated onion detopper	10	4	Detopping / day (8hrs)	17	20	15	900	2,55,152	169484	2.97	168400	168584	2.94
Chickpea Nipping Machine	19,000	Demonstration of nipping technique in chickpea	10	4	Nipping/day (8hrs)	0.5	20	97.5	4500						

Chickpea crop is yet to be harvest.
* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= Gross Return/Gross Cost

Data on additional parameters other than labour saved (*viz.*, reduction in drudgery, time etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**

5. B10. Feedback on farm implements demonstrated

Name of farm implement demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Demonstration of battery-operated onion detopper	It gives lengthy necks and fetches less price and requires repeated machine adjustment. Refinement required to regarding safety of labours.	It requires less labours. Machine needs to be modified.
Demonstration of nipping technique in chickpea	Save the labour and time. Height adjustment is required as per the plant height. Solar backup required.	-

5.B.6.Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	09	169	
2	Farmers Training	23	746	
3	Media coverage	15	415	
4	Training for extension functionaries	-	-	
5	Others (Please specify) virtual training	03	700	
6	Method Demonstration	32	864	

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
					Demo			Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
					H	L	A								
Cereals															
Bajra															
Maize															
Paddy															

Sorghum															
Wheat															
Others (pl.specify)															
Total															
Oilseeds															
Castor															
Mustard															
Safflower															
Sesame															
Sunflower															
Groundnut															
Soybean															
Others (pl.specify)															
Total															
Pulses															
Greengram															
Blackgram															
Bengalgram															
Redgram															
Others (pl.specify)															
Total															
Vegetable crops															
Tomato		Arka Samrat	05	2.0	37.0	34.50	35.65	30.70	16.18	285200	160070	2.28	245632	114880	1.88
Capsicum															
Others (pl.specify)															
Total															
Cucumber															
Brinjal															
Okra															
Onion															
Potato															
Field bean															
Others (pl.specify)															
Total															
Commercial crops															
Sugarcane															
Coconut															
Others (pl.specify)															
Total															
Fodder crops															
Maize (Fodder)															
Sorghum (Fodder)															
Others (pl.specify)															
Total															

H-High L-Low, A-Average

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

Feedback on crop hybrids demonstrated

Name of crop hybrid demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**

PART VII. TRAINING

7.A..Training of Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies(B STAR)	01	20	60	80	10	15	25	30	75	105
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management:(LIME BOARD)	01	26	-	26	14	-	14	26	14	40
Integrated Crop Management (Redgram, Chickpea and wheat)	03	80	05	85	07	03	10	87	08	95
Soil and Water Conservation										
Integrated Nutrient Management	01	28		28	03		03	31		31
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high-volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify) production technology	01	27	-	27	03	-	03	30		30
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	01	24		24	07		07	31		31
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										

Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management	04	80		88	8		8	88	08	96
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify): Safe and judicious use of glyphosate	03	45	-	40	05	-	05	50	-	50
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										

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	01	-	22	22	-		06-		28	28
Location specific drudgery production	01		12	12		06	06		18	18
Rural Crafts										
Women and child care	04		11	11		25	25		36	36
Others (pl.specify)millets for nutritional security	01		18	18		06	06		24	24
Agril. Engineering										
Farm machinery 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)										
Plant Protection										
Integrated Pest Management (watermelon)	01	28		28	03		03	31		31
Integrated Disease Management (watermelon)	01	28		28	03		03	31		31
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify) organic farming	01	04	18	22	02	06	08	06	24	30
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)										
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)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)	02	25	45	70	27	25	52	52	70	122
TOTAL	**27**	**415**	**191**	**609**	**92**	**86**	**184**	**493**	**305**	**798**

7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify) BRINJAL& WATERMELON ICM	02	24		24	16		16	40		40
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	01	28	-	28	14	-	14	28	14	42
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										

Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology (MIDH)	01	80	15	95	05	-	05	85	15	100
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
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 LIME	01	13	02					13	02	15
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology	01	30	00	30	00	00	00	30	00	30
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	**01**		**12**	**12**		**01**	**01**		**13**	**13**
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	01		05	05		08	08		13	13
Storage loss minimization techniques	02		01	01		01	01		04	04
Value addition	01		06	06		08	08		14	14
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care	01		01	01		15	15		30	30
Others (pl.specify)										
Agril. Engineering										
Farm machinery 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)										
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)										
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)										

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)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)	02	25	45	705	27	25	52	52	70	122
TOTAL	**14**	**200**	**87**	**907**	**62**	**58**	**120**	**248**	**175**	**423**

7.C.Training for Rural Youths including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
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										

7.D. Training for Rural Youths including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
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										

7.E.Trainingprogrammes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
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) value addition	02	2	12	14	5	14	19	7	26	33
Total	**02**	**2**	**12**	**14**	**5**	**14**	**19**	**7**	**26**	**33**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
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	01		25	25		35	35		60	60
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	**01**		**25**	**25**		**35**	**35**		**60**	**60**

7.G. Sponsored training programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops	01	80	15	95	05	-	05	85	15	100
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	CapacityBuilding and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	**01**	**80**	**15**	**95**	**05**	**-**	**05**	**85**	**15**	**100**

Details of sponsoring agencies involved
1.CSS-Mission for Integrated Development of Horticulture Programme (MIDH)-2023-24

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total										

7.F. Details of Skill Training Programmes carried out by KVKs under ASCI : Nil

S. No.	Name of Job Role	Date of Start	Date of Close	Total Participants	No. of Participants									Date of Assessment	No of Participants passed assessment
					General			SC/ST			Grand Total				
					Male	Female	Total	Male	Female	Total	Male	Female	Total		
1															
2.															

PART VIII – EXTENSION ACTIVITIES

8.1. Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Advisory services	125	80	15	95	02	04	06	04	05	09
Farmers visit to KVKs	842	228	59	376	105	29	134	24	15	39
Lectures delivered as resource persons	9	1686	70	1761	117	36	153	35	13	48
Diagnostic Visits	75	922	189	1222	108	67	175	8	4	12
Field Days	6	137	14	151	40	4	44	0	0	0
Group discussions/ meetings	5	94	35	129	16	8	24	10	4	14
Kisan Gosthies	2	400	100	500	64	36	100	6	10	16
Film Shows	0	0	0	0	0	0	0	0	0	0
Self help group meetings	0	0	0	0	0	0	0	0	0	0
Mahila mandals meetings	2	0	25	25	0	35	35	2	2	4
Kisan Melas	4	50096	3127	53223	330	145	475	57	20	77
Exhibitions	10	50526	724	51250	294	106	400	36	12	48
Scientist visit to farmers fields	113	1122	208	1330	136	76	212	8	4	12
Soil health camps	2	240	70	310	24	14	38	0	0	0
Animal health camps	0	0	0	0	0	0	0	0	0	0
Plant health camps	0	0	0	0	0	0	0	0	0	0
Farm Science Club meetings	0	0	0	0	0	0	0	0	0	0
Ex-trainees Sammelans	0	0	0	0	0	0	0	0	0	0
Farmers seminars	0	0	0	0	0	0	0	0	0	0
Workshops	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	32	812	12	824	36	8	44	8	4	12
Celebration of important days	12	430	140	570	140	44	184	8	6	14
Special day celebrations	6	180	46	226	24	6	30	0	0	0
Exposure visits	2	64	0	64	6	0	6	0	0	0
Others, Please specify	0	0	0	0	0	0	0	0	0	0
Total	**1247**	**107017**	**4834**	**112056**	**1442**	**618**	**2060**	**206**	**99**	**305**

8.2 Other extension activities like print and electronic media etc.

Sl. No.	Type of media/activity	Number of activities/Number
1	Popular articles	16
2	Newspaper coverage	17
3	Extension Literature	03
4	Radio Talks	01
5	TV Talks	-
6	CD/DVD/Video clips	-
7	Animal health camps (no. of animal treated)	2
8	Others, please specify :Success story	05
	Total	**44**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Sorghum	M35-1	2.82 q	21,432	45
Oilseeds	Safflower	Local	0.6 q	1,960	05
Pulses	Redgram	TS-3R	40.1 q	5,81,572	70
Commercial crops	Chickpea	NBeg-47	7.5 q	67,500	30
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
Total					

9.B. Production of hybrid seeds by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Total					

9.C. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial					
Vegetable seedlings					
Fruits	ACID LIME	Kagzi	1500	30,000	10
	Dragon fruit	Red and white colored	384 kg	38,425	50
Ornamental plants					
Medicinal and Aromatic					
Plantation					
Spices					
Tuber					
Fodder crop saplings					
Forest Species					
Others(specify)					
Total			**384 kg +1500 Number**	**68,425**	**60**

9.D. Production of hybrid planting materials by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Total					

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide	Vermiwash	55 lit	4840	11
Bio Agents	Vermicompost	2.8 q	2240	02
Others (specify)	Arka CitrusSpecial	12 q	2,40,000	155
Total			**2,47,080**	**168**

9.D. Production of livestock

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals	HF	01	16,013	35
Cows				
Buffaloes				
Calves	Goat: Osmanabadi	01	6300	02
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks	Local breed	23	5750	06
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total		**25**	**28063**	**43**

PART X – PUBLICATIONS, SUCCESS STORY, INNOVATIVE METHODOLOGY, ITK, TECHNOLOGY WEEK

10. A. Literature Published

(i) Summary of published

Item	Number
Research papers- International	-
Research papers- National	-
Technical reports	-
Technical bulletins	02
Popular articles - English	02
Popular articles – Local language	08
Extension literature	03
Others if any : BOOK CHAPTER	01

(ii) Details of Literature published(provide details only on Research articles and Technical Reports)

Please provide the details of publication in the following format:

1. Research articles in journals: Complete citation indicating authors, year of publication, title of publication, journal name, volume and page number in sequence.

Example:

Dagar J C, Tomar O S, Minhas P S and Kumar M, (2013) Lemon grass productivity as affected by salinity of irrigation water, planting methods and fertilizer doses on a calcareous soil in a semi-arid region of northwest India.*Indian Journal of Agricultural Sciences*, 83(7): 734-738.

2. Technical Reports: Authors name, Title of the technical report, name of publishing KVK, number of pages.

Example:

Abrol I P, Dargan K S and Bhumbla D R, (1973) Reclaiming Alkali Soils,Report No. 2,KVK, Karnal, 58p.

10.B. Details of Electronic Media Produced

S. No.	**Type of media**	**Title**	**Details**
1	CD / DVD		
2	Mobile Apps	-	-
3	Social media groups with KVK as Admin	Coconut cultivation indi, Pomegranate grower ,ChiliIndi, Medicinal plant kvk indi, cucurbits kvk indi, poultry farmer	10, 37,17,47,17,35
4	Facebook account name	kvkindi2016@gmail.com	
5	Instagram account name	kvkindi	
6	Others if any twitter account	Indikvk	

10.C. Success Stories / Case studies, if any (two/three-pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

This will be considered only with suitable photos for further reporting/reference.

Title: IMPACT OF ARKA CITRUS SPECIAL ON ECONOMICS OF ACID LIME GROWERS

Background:

Acid lime is cultivated extensively on a commercial scale and is more popular than lemon. In Karnataka, Vijayapura is a major lime-growing district with an area of 10,777 ha producing 2,53,134 MT (2021-22). It is yet to use its potentiality for growing lime on an extensive scale. The average yield per plant is 800 fruits, which is incredibly less compared to the estimated yield of 1000-2000 fruits per plant per year. One of the most reasons for low productivity of lime orchard within the soils of the district is multiple nutrient deficiencies including N, P, B, Fe, Mn, and Zn. In

Vijayapura, the nutrient deficiencies, particularly micronutrients, are common because of climate and nature of soil. To address this, the intervention of Arka Citrus Special was introduced along with the conventional nutrient management technique.

Interventions Process:

- Krishi Vigyan Kendra, Indi, has conducted 36 FLDs under real farming situations between 2018 and 2023 in 13 different villages located in different blocks under KVK operational area.
- Conducted 04 field days, 10 training programs, and more than 300 consultancies given on the use of citrus special in acid lime.
- The area under each demonstration was 0.4 ha at each location with 0.4 ha as control plots
- Production unit was established on September 2022 at KVK to supply the technological input to farmers.

Technology: The demonstration was conducted on foliar spray of Arka Citrus Special (contains Zinc-3.0 %, Boron-0.5 %, Manganese-0.2 %, Iron-0.5 %, and Copper-0.05 %) and compared with Farmers practice (without any micronutrient spray). The method of application is mixing of 75 g of Arka citrus special + one shampoo sachet + two lemon fruit juice in 15 litres of water, mixed thoroughly and foliar spray. First spray one month before flowering & continue sprays at regular monthly intervals up to harvesting of fruits. Spraying on fruits emergence will improve fruit size, colour, and quality.

Impact:

Horizontal spread of technology: From 2022 September to January 2024 sold 1.6tonnes of citrus special to farmers covered 161.4 ha area and more than 400 farmers got benefited.

Economic gains:

- The fruit yield per ha of acid lime under demonstration recorded was 21.33 t/ha when compared to control 18.03 t/ha during 2022-23.
- By adopting this technology in acid lime which led to lower cost of cultivation (Rs. 45,162/ha) resulting to higher net returns (Rs.2,32,063 /ha) with the BC ratio of 6.14 as compared to farmers practice (Rs. 1,77,417/ha net returns) with the BC ratio of 4.70.
- The application of Arka Citrus Special as a foliar spray in acid lime resulted in higher fruit yield per hectare (18.38%) compared to the control plot. Also led to higher net profits for farmers. Therefore, using Arka Citrus Special can improve yield and fruit quality in acid lime and benefit orchardists economically.

Employment Generation

	
Sale of Arka Citrus Special at KVK, Indi	**FLD on bahar Management at Salotagi village**

Title: Management of whitefly in Sugarcane.

Background: Vijayapura district covers about area of 4000 ha in sugarcane cultivation during 2023-24. Different taluks of Vijayapura district covers villages viz., Lachyan, Ahirsanga, Bhuyar, Padnur, Gubbewad, Shriguru, Ahirsanga, Madari, Gotyal, Mulasavalagi and other village have found serious damage of white fly infestation and frmers from these villages owns around 4000 ha land of sugarcane crop with irrigation facility. Alongwith sugarcane crop they used to grow vegetable crop, commercial crops and other agricultural crops as well with an annual income of Rs. 5,32,000/-. Farmers used to practice conventional method for cultivation and management of pest in crops. During 2023-24 sugarcane crop was severally infested with white fly damage and prone to yield damage. During this time farmers visited to KVK, Scientist to seek intervention and suggest the scientific method to combat the menace.

Intervention:

Process: KVK, Indi organized awareness programme/campaign viz., diagnostic visit, field visit, group discussion, workshop, consultancy and mass media coverage suggested to farmers to control the infestation. As a part of awareness programme KVK, Scientists visited sugarcane field of Sri. Dilip Chand Sahukar at Gubbewad village of Chadachana taluka of Vijayapura district and suggested suitable management practices for the control of white fly infestation in Sugarcane Crop. In this campaign apartfrom Gubbewad village near by villages farmers also participated. The objective of the campaign emphasizing on morphological characters of white fly, life cycle, damaging symptoms and management practices.

Technology: KVK Scientist made timely visits, guided the farmers and implemented the technology. Practice good agronomical practices, suitable spacing, paired row system or wider spacing, use of resistant varieties, use of organic manures and proper irrigation practices and periodical scouting by visual observation help in early detection of the pest. Mechanical collection and destruction of infested leaves was suggested. Apply systemic insecticidesAcephate 1.5 g/l or Fipronil (40%) + Imidacloprid (40%) @0.3g/lit or Imidacloprid (5%) + acephate (50%) @2g/lit of water or Thiomethoxam @0.3 ml/lit would reduce the white fly infestation. After systemic insecticide application, application of 19:19:19 or water soluble fertilizer (13:0:45) @10g/lit of water and also use of micronutrient 5 gm/lit helps to higher plant growth and improve the yield.

Output and outcome

Impact

Horizontal Spread : Farmers adopted IMP practices to best of their knowledge to protect the crop form the pest, use of the systemic technology in sugarcane helped to reduce the white fly infestation 85% to 90%. The technology happily accepted by other farmers of the district during regular field visit and awarenesscampaign around 128 farmers participated and among them 88 farmers adopted the technology and 40 farmers have shown interest to adopt in upcoming season.

Economic gains : Number of insecticides sprays costly insecticides and labour cost minimized by the adoption of using one or two spray of systemic insecticides alongwith application of macro and micro nutrients in sugarcane crop which leads to lower cost of cultivation Rs. 76,560/ha resulting in higher net return Rs. 1,88,320/ha with B.C. ratio of 3.45

Employment Generation

Photos

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Diagnostic field visit at Gubbewad village by KVK Scientists</td><td>Creating awareness campaign on white fly management</td></tr>
<tr><td>  </td><td> 
ಪ್ರಜಾವಾಣಿ
ಕಬ್ಬಿಗೆ ಬಿಳಿ ನೊಣ ಕಾಟ: ಆತಂಕದಲ್ಲಿ ರೈತರು
ಜಾಗೃತಿ ಮೂಡಿಸಿದ ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರದ ಮುಖ್ಯಸ್ಥ ಶಿವಶಂಕರಮೂರ್ತಿ</td></tr>
<tr><td>Group Meeting with farmers and interaction</td><td>Media coverage and control measures suggested through Print Media</td></tr>
</table>

10.D. Give details of Innovative Methodology or Innovative Approach of Transfer of Technology developed and used during the year

10.E. Give details of Indigenous Technical Knowledge practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK	Scientific Rationale

10 F. Technology Week celebration:

Period of observing Technology Week: From to
Total number of farmers visited :
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			
Supply of Literature (No.)			
Supply of Seed (q)			
Supply of Planting materials (No.)			
Bio Product supply (Kg)			
Bio Fertilizers (q)			
Supply of fingerlings			
Supply of Livestock specimen (No.)			
Total number of farmers visited the technology week			

10 E. Recognition and Awards: Please give details about National and State level recognition and awards

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab :

1. Year of establishment :2022
2. List of equipment's purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost	Status
1	Automatic Nitrogen Triple distillation system	01	3,89,499	Working
2	Working Table	01	1,59,999	Working
3	Laminar air flame	01	88,200	Working
4	Test sives 8" inch dia brass dia	02	7620	Working
5	Soil hydrometer	1	53,100	Working
6	Micro pipettes	04	26,624	Working
7	PH/EC/TDS/Salinity meter (PETS)	01	64,900	Working
8	Based flame photometer	01	46,750	Working
9	Calcium Flame Photometer	01	6,000	Working
10	Lithium filter for flame photometer	01	6,000	Working
11	Kel Plus Automatic twenty place micro block digestion System Model: KES 20 LRTS	01	89,134.50	Working
12	Kel Plus Automatic scrubber system storage Model : KES VAC	01	32,655.00	Working
13	UV –Vic Spectrophotometer Model: AU 2702 Systronics	01	3,61,000	Working
14	Automatic double water distillation system	01	1,07,428	Working
15	Micro controller based PH system with electrode and temperature , auto temperature, compression	01	18,500	Working
16	Micro controller based conductivity meter with cells (1.0 CC and 0.11 C) and temperature with manual	01	20,000	Working
17	Automatic nitrogen triple distillation system Mode: Kjel	01	3,89,499	Working
18	Precision hot air woven	01	49,880	Working
19	Analytical balance Model Wensor	01	38202	Working
20	Triconular research microscope	01	44286	Working
21	Muffale furnace	01	73142	Working
Total				

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	309	309	121	76,400
Water Samples	262	262	65	13,600
Plant samples	0	0		
Manure samples	0	0		
Others (specify)	0	0		
Total	**571**	**571**	**186**	**90,000**

C. Details of samples analyzed:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	309	309	121	76,400
Water Samples	262	262	110	13,600
Plant samples	0	0		
Manure samples	0	0		
Others (specify)	0	0		
Total	**571**	**571**	**231**	**90,000**

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.		
2.		

B. Details of soil samples analyzed and since establishment with Mobile Soil Testing Kit:

	During 2022	During 2023	Cumulative progress (Total)
Samples analyzed (No.)	249	309	558
Farmers benefited (No.)	110	262	372
Villages covered (No.)			

11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit:

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL					
Mobile Soil Testing Kit					

11.4 World Soil Health Day celebration

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/ Minister/MLA attended (No.)	Other Public Representatives participated	Officials participated (N	Media coverage (No.)
01	**95**	**10**	**0**	**0**	**5**	**01**

PART XII. IMPACT

12.A. Impact of KVK activities (Not restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs)

12.C. Details of impact analysis of KVK activities carried out during the reporting period

PART XIII – LINKAGES

13A. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	02	2	2	
02	Research projects				
03	Training programmes	01	1	1	
04	Demonstrations	01	1	1	
05	Kisan Mela				
06	Technology Week				
07	Exposure visit	01	1	1	
08	Exhibition	01	1	1	
09	Soil health camps				
10	Animal Health Campaigns				
11	Video Films	01	1	1	
12	Books				
13	Extension Literature				
14	Pamphlets				
15	Other Activities (Pl.specify)				

13B. List of special programmes undertaken by the KVK which have been financed by State Government/University/National Horticultural Mission/ RKVY/ National Fisheries Development Board/Other Agencies

S. No.	Name of organization	Name of Programme	Nature of linkage	Funds received in Rs.	Expenditure during the reporting period in Rs.	Remarks
	RKVY	Standardization and promotion of drip irrigation and fertigation technology for maximized productivity in acid lime under Northern Dry Zone of Karnataka	Sponsored	5,00,000	Experiment implemented in acid lime orchards of Indi.	

13C. Kisan Mobile Advisory Services

Month	No of Advisories	No. of Text messages sent	No. of voice messages sent	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
				Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
January	2	Text	2	-	-	-	1			965	
February	5	Text	1	-	-	-	1	2		1550	
March	3	Text	2	-	-	1	1			1042	
April	2	Text	1	1	-	-				914	
May	4	Text	1	-	-		-			325	
June	4	Text	2	1	-		1			1021	
July	3	Text	1	1	-		1			584	
August	2	Text	1	-	-		1	1		721	
September	7	Text	5	-	-		2			1885	
October	35	Text	3	-	-		2			978	
November	2	Text	1	-	-		-			345	
December	4	Text	1	-	-		2			1678	
Total	**7345**		**21**	**2**	**0**	**1**	**2**	**3**	**24**	**12008**	

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

14A. Performance of demonstration units (other than instructional farm)

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-	-	-	-	-	-
With KVK	State Bank of India	Indi	002214	Sr. Scientist & Head KVK, Indi	36561181843	586002209	SBIN0002214
	State Bank of India	Indi		Seed Revolving fund KVK, Indi	37275359075		

	State Bank of India	Indi		Training Revolving fund KVK, Indi	37223614685		
	State Bank of India	Indi		Imprest KVK, Indi	39005031300		

14B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals	Sorghum	11.10.2023	1.2	M35-1	C/S	-	15000	-	Crop vitiated due to moisture stress
Pulses	Redgram	19.08.2023	8.8	GRG-152	F/S	-	2,20,000	-	Crop vitiated due to moisture stress
	Chickpea	07.10.2023	2.4	BGD-111-1	F/S	Crop yet to be harvested	60,000	-	Pod filling stage.
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

14C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1					

14D. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	

14E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

14F. Database management

S.No	Database target	Database created
1	**1000**	**800**

14G. Details on Rain Water Harvesting Structure and micro-irrigation system

(a) Rain Water Harvesting Structure : Nil

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

(b) Micro-irrigation systems :Nil

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

PART XV – SPECIAL PROGRAMMES

15.1 Paramparagath Krishi Vikas Yojana (PKVY) :Nil

Sl No.	Name of cluster village	Initial soil fertility status (Average of cluster village)				Facilities created for organic source of manure	Name of Crops cultivated	Variety	Organic inputs applied including bio-agents and botanicals treatment	Yield (q/ha)	Economics	
		Aval. N	Aval. P	Aval. K	OC %						Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	1.											
	2.											
2	1.											
	2.											

15.2 District Agriculture Meteorological Unit (DAMU)
: Nil

	Agro advisories			Farmers awareness programmes	
Sl No.	**No of Agro advisories generated**	**No of farmers registered for agro advisories**	**No of farmers benefitted**	**No of programmes**	**No of farmers benefitted**
1					
2					

15.3 Fertilizer awareness programmeorganized
NIL

State	Name of KVK	Details of Activities/programmeOrganised	Number of Chief Guests	No. of Farmers attended program	Total participants

15.4 Seed Hub :Nil

Crops	Variety	Year of release	Production				No of farmers benefited/Sold to no. of farmers	Quantity seed sold (q)
			Target (q)	Area (ha.)	Actual Production (q)	Category (FS/CS)		

15.5 CFLD on Oilseeds:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1	Groundnut	G2-52	40	100	40	100
2	Sunflower	RSFH-1552, RSFH-1887	30	75	30	75
	Total		**70**	**175**	**70**	**175**

15.6 CFLDs on Pulses:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1	Redgram	GRG-152	20	50	20	50
	Total		**20**	**50**	**20**	**50**

15.7 Krishi Kalyan Abhiyan (Aspirational districts) : Nil

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

15.8 Micro-Irrigation :Nil

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

15.9 Tribal Sub-Plan (TSP) :nil

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologies)	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						

15.10 SCSP

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT /FLD (No of Technologies)	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						
02	125	0	0	0	0	0	0	12	0	33	15	21	-	-	-	-	75

15.11 NARI : NIL

Activity	Achievement	
	Number of activity	No. of farmers/ beneficiaries
OFTs – Nutritional Garden (activity in no. of Unit)		
OFTs – Bio-fortified Crops (activity in no. of Unit)		
OFTs – Value addition(activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs – Nutritional Garden (activity in no. of Unit)		
FLDs – Bio-fortified Crops (activity in no. of Unit)		
FLDs – Value addition(activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		

15.12 KVK Portal

No. of Events added by KVKs	No. of Facilities added by KVKs	Filled Report on Package of Practices (Y/N)				Filled Profile Report (Y/N)							
		Crop	Livestock	Fisheries	Horticulture	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish
293	10	Y	N	N	Y	Y	Y	Y	N	Y	Y	Y	Y

15.13 KSHAMTA :NIl

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

15.14 DFI

Sl	District	Taluks	Villages	Farmers (No.)	Average Benchmark Income (Rs/year)	Crops/ enterprises	KVK Interventions	Additional Net Income generated due to KVK interventions (Rs/year)	Total income of farmer (Rs/year)

PART XVI - FARMERS FEEDBACK ON ASSESSED/DEMONSTRATED TECHNOLOGIES OF CROPS / LIVESTOCK

16.1 Farmers feedback on performance of crop varieties/hybrids

Sl. No.	Crop varieties/hybrids assessed/ demonstrated	Farmer's feedback

16.2 Farmers feedback on performance of agronomic practices

Sl. No.	Agronomic practices	Farmer's feedback

16.3 Farmers feedback on performance of pest and disease management in crops

Sl. No.	Pest and disease management in crops	Farmer's feedback

16.4 Farmers feedback on performance of farm machinery technologies

Sl. No.	Farm machinery technologies	Farmer's feedback

16.5 Farmers feedback on performance of livestock and fisheries technologies

Sl. No.	Livestock/fisheries technologies	Farmer's feedback

PART XVII - FINANCIAL PERFORMANCE

17A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-	-	-	-	-	-
With KVK	State Bank of India	Indi	002214	Sr. Scientist & Head KVK, Indi	36561181843	586002209	SBIN0002214
	State Bank of India	Indi		Seed Revolving fund KVK, Indi	37275359075		
	State Bank of India	Indi		Training Revolving fund KVK, Indi	37223614685		
	State Bank of India	Indi		Imprest KVK, Indi	39005031300		

17B. Utilization of KVK funds during the year 2022-23 (Rs. in lakh)upto to 31.12.2023

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	1,60,00,000	1,25,98,612	83,98,943
2	**Traveling allowances**	2,50,000		97,880
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3,29,000		4,04,134
B	POL, repair of vehicles, tractor and equipments	2,60,000		2,90,297
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,00,000		39,475
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	80,000		45,274
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	5, 85, 000		4,25,488
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1,52,000		1,13,057
G	Training of extension functionaries	30,000		18,310
H	Maintenance of buildings	0		0
I	Establishment of Soil, Plant & Water Testing Laboratory	35,000		0
J	Library	10,000		350
K	Wild Animal management	1,50,000		30000
L	EDP	70,000		10000
M	Farm Management	3,50,000		1,99,950
N	SC SP General	3,46,800		3,45,300
O	Video Conference	30,000	1890750	0
	TOTAL (A)			
B. Non-Recurring Contingencies				
1	**SC SP Capital**	1,81,000	119650	181000
2	**Equipment including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		1,81,000	119650	181000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		1,90,49,000	1,49,29,072	1,04,57,187

17C. Status of revolving fund (Rs. in lakh) for the last three years

Year	Opening balance as on 1st January	Income during the year	Expenditure during the year	Net balance in hand as on 31st December of each year
January to December 2021	10,65,956.00	11,22,981.00	1785456.00	4037581=26
January to December 2022	4,03,7581.26	14,22,908=00	14,32,802=00	4,12,197=00
January to December 2023	4,12,197=**00**	19,65,658=00	11,43,000=00	12,34,855=00

18. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Smt Heena M.S.	Scientist (Horticulture)	Agri Tech world 2023	International center for tropical Agriculture (CIAT) Biodiversity International , ICARDA, BANDA University of Agriculture and Technology BANDA (UP)	15-08-2023 to 25-08-2023
Smt Heena M.S.	Scientist (Horticulture)	Millets: Empowering Women and Providing Nutritional Security	Hindustan Agricultural Research Welfare Society & IIMT University, Meerut	15-10-2023
Dr. Prakasha G	SMS (Agronomy)	Online Refresher course on Millets (Shree Anna)	ICAR-Indian Institute of Millet Research, Rajendranagar, Hyderabad	07-09-2023 to 27-09-2023
Dr. Prakasha G	SMS (Agronomy)	AGRI SKILL INDIA" (ASI-2023)	ICAR-Indian Institute of Maize Research, Punjab and Hindustan Agricultural Research Welfare Society (HARWS), Agra	09-04-2023 to 29-04-2023
Dr. Prakasha G	SMS (Agronomy)	Orientation training to Master Trainers for sale and judicious use of Glyphosate by PCO's	National Institute of Plant Health Management, Hyderabad	23.06.2023
Dr. Prakasha G	SMS (Agronomy)	Agribusiness Management – Opportunities for food processing	National Institute of Agricultural Extension Management (MANAGE), Hyderabad	22-08-2023 to 24-02-2023
Dr. Prakasha G	SMS (Agronomy)	Agriculture Journalism for Effective Transfer of Technology	National Institute of Agricultural Extension Management (MANAGE), Hyderabad and UAS, Dharwad	08-11-2023 to 10-11-2023
Dr. Veena C	SMS (Home Science)	AGRI SKILL INDIA" (ASI-2023)	ICAR-Indian Institute of Maize Research, Punjab and Hindustan Agricultural Research Welfare Society (HARWS), Agra	09-04-2023 to 29-04-2023

19. **Please include any other important and relevant information which has not been reflected above (write in detail).**