KRISHI VIGYAN KENDRA VIJAYAPURA-II (Indi)

ANNUAL REPORT- 2022

(FOR THE PERIOD FROM 01 January, 2022 TO 31 December, 2022

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. Prema B Patil	-	9448495320 9110273920	kvkindi2016@gmail.com kvk.vijayapura2@icar.gov.in

1.4. Year of sanction: 2016

1.5. Staff position as on 31 December 2022

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. Prema B Patil	Senior Scientist and Head	F	Home Science	Ph.D (Home Science)	131400 Level 13A	131400	06.07.2022	Permanent	GM
2	Scientist/ SMS	Dr.Savita, B.,	Scientist	F	Soil Science	Ph.D (Soil Science)	68900 Level 11	79900	21.02.2017	Permanent	SC
3	Scientist/ SMS	Dr. Santosh Shinde	Scientist	M	Animal Science	Ph.D (Veterinary Gynaecology)	68900 Level 11	79900	12.04.2017	Permanent	SC
4	Scientist/ SMS	Mrs. Heena, M.S.	Scientist	F	Horticulture	M.Sc (Vegetable Science)	57700 Level 10 A	66800	21.09.2022	Permanent	OBC
5	Scientist/ SMS	Vacant	Scientist	M	Home Science	-	57700 Level 10 A	-	-	-	-
6	Scientist/ SMS	Mr Arjun R.S.	Scientist	F	Agri. Entomology	M.Sc (Ag.Entomology)	57700 Level 10 A	66800	14.05.2022	Permanent	OBC
7	Scientist/ SMS	Vacant	Scientist	-	Agronomy	-	-	-	-	-	-
8	Programme Assistant (Computer)	Mr. Majeed G	Technical Officer (Computer)	M	Computer Science	M.C.A	Level-7 44900-142000	52,000	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	Shilparani	Assistant	F	Accounts	Diploma Agri		34,300	07.08.2017	Permanent	SC
12	Jr. Stenographer	Vacant	-		-	-		-			
13	Driver - 1	Chandrakant Dasharath	Driver (LMV)	M	-	P.U.C.		31,850	04.09.2017	Permanent	SC
14	Driver - 2	S. S. Sanadi	Driver (LMV)	M		S.S.L.C.		27,650	25.07.2019	Permanent	OBC
15	SS-1	Vacant	Farm Labour	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							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
John Deer Tractor	2018	5,58,215	**2006 hrs**	Good and working
Bolero SLE 2WD	2018	7,16,321	**97624 kms**	Good and working

C) Lab equipment & AV aids

	Name of the equipment	**Year of purchase**	**Cost (Rs.) in lakh**	**Present status**
1	Dell Desktop Opti Plex 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) Invertor 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/slnty meter(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 calbe	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

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
18.10.2022	65	It is suggested to recommend the crops to farmers suitable for sowing after redgram as there is facility of canal water till march	Crops like groundnut (Dh-256, GPBD-4 and 5, G2-52, K-1812,) Cowpea (DC-15), Sugarcane (SNK-9293, CO-86032, COM-265) and late sown irrigated chickpea (JG-14) were suggested for sowing after pigeonpea harvesting for the farmers having canal water facility during the training programme held on 22.03.2022 and 21.06.2022 on ICM in Pigeonpea.	
		The problem like wilt/dry root rot disease are affecting redgram variety TS-3R crop. Hence, it is suggested to introduce new variety of redgram resistant to wilt/dry root rot disease under dry land condition.	To combat problem like wilt/dry root rot disease the Pigeonpea variety GRG-811 has been introduced to the farmers under frontline demonstrations.	
		As the area under Ajwain crop is	Package of practice	

		increasing in Vijayapura district and as farmers are lacking knowledge on Ajwain production technology and marketing it is suggested to develop package of practices for the crop	has been developed for Ajwain crop by UHS, Bagalkot. Leaflet related to Ajwain crop production has been prepared and circulated to the farmers during the training programme organized at KVK, Indi.	
		Suggestions were made to visit Ajwain institute by KVK, Indi Scientist.	NRC Seed Spices, Ajmer was contacted and we were told February is the best month to visit the institute to see the standing crop. Therefore, it has been planned to visit the institute in the month of February.	
		Cultivation of super Napier and other grasses/fodder varieties at KVK to promote among the farmers	The multi cut fodder varieties like super napier, lucern and COFS-31 has been cultivated at KVK, farm. Also farmers were promoted to cultivate super napier during the training held on Goat farming	

			from 25.08.2022 to 27.08.2022 (3 days) for 30 farmers. Further, ten demonstrations on perennial supply of green fodder model containing multi-cut fodder has been conducted at the farmers field at Ahirasanga and Gotyal village.	
		As expanding canal irrigation area under agriculture and horticulture crops. It is suggested to conduct awareness/training programmes on water use efficiency and saline water management.	Five training programmes were organized on saline soil and water management (22.03.2022 21.06.2022, 16.07.2022, 14.08.2022 and 17.09.2022) and also folder was distributed to farmers. Around 239 farmers were benefitted from these training programmes.	
		It is suggested to adopt technologies developed by National Pomegranate Research, Institute Solapur on nutrient management using **sonar** a product containing potassium and	Ten demonstrations have been conducted at Ahirsang, Gotiyal, Tadavalaga and Hanjagi village on use of Sonar under FLD	

		phosphorus and also a new variety Solapur laal can be tried at Indi jurisdiction.	on Demonstration of novel microorganism (*Penicillium pinophilum*) for nutrient management in Pomegranate. Hundred seedlings of solapur laal variety purchased from NRC Solapur. The planting will be taken up shortly at KVK, Indi farm.	
		Updating of website of KVK should be done at the monthly interval	Regular important activities conducted at KVK are being posted regularly on KVK Website.	
		It is suggested to give impact of KVK in terms of economy, use of social media and departments for image building .	Various whatsapp groups like Lime grower, Grape grower, Pomegranate grower, Chilli grower, KVK Contact farmers, Raita Mahiti, Krishikara Gumpu, Coconut grower, goat and poultry farmers, Medicinal crops, Raitara raitarinda raitarigagi, ATMA vijayapura farmers groups are active and season specific	

			information related to agriculture and allied activities have been shared with the groups. Also using other social medias such facebook, twitter, youtube channel agriculture related information is being disseminated to the farming community. Around 500 views have been recorded in kvk indi you tube channel. KVK, Indi has been collaborating with line departments like Agriculture, ATMA, Horticulture, Lime Board, Sericulture, Veterinary department, NGOs like DHAN foundation, SKDRDP, CRDS, FPOs, SHGs and organizing training programmes, consultancy and diagnostic field visits for the benefit of farmers.	

			The impact of KVK in terms of economy has been documented under the doubling farmers income (DFI).	
		As Nbeg-47 variety of chickpea and pigeon pea variety GRG-811 giving good impact at KVK jurisdiction it is suggested for seed production to facilitate farmers. For that seed hub fund or loan from KVK, Vijayapura can be utilized by the approval of Vice Chancellor, UAS, Dharwad.	The chickpea variety Nbeg-47 has been planned for sowing in last week of October after the harvest of soyabean crop. Further, FLD sanctioned on chickpea variety Nbeg-47 will be implemented at farmers field during Rabi 2022-23. During the Kharif seed production meeting the redgram variety TS-3R has been allotted for seed production for KVK, Indi. Hence, GRG-811 seed production will be taken during kharif 2023-24. Further, the redgram variety GRG-811 has been suggested to the farmers during	

			training programmes and consultancy. Nearly, 20 quintals of seeds grown by contact farmer has been distributed to other needy farmers.	

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	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 Basavana Bagewadi, 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 Vijayapura talukas and to some extent in Bagewadi and Muddebihal talukas. 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, Vijayapura and Sindagitalukas. 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.Bagewadi talukas. 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 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.	20,230

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)

2.5. Weather data

Month	Rainfall (mm)	Rainy days	Temperature ^{0} C		Relative Humidity (%)	
			Maximum	Minimum	AM (%)	PM (%)
January 2022	0.0	0	29.1	13.5	82	37
February 2022	0.0	0	32.6	15.7	68	27
March 2022	0.4	0	36.1	20.4	60	22
April-2022	71.2	8	38.5	22.7	70	26
May-2022	121.6	4	36.3	22.7	81	38
June-2022	60	6	33.6	21.4	85	47
July-2022	114.0	10	29.9	20.9	91	66
August-2022	171.7	8	29.7	20.7	90	64
September-2022	122.0	11	30.0	20.0	92	63
October-2022	130.9	9	30.0	18.1	90	56
November-2022	0.0	0	29.9	14.6	81	39
December-2022	1.4	0	30.0	14.0	83	41

* Agro Meteorological Station, RARS. Vijayapura

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			

* Source: Cattle census report 2011-12

2.7 District profile maintained in the KVK has been **Updated** for 2022: **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	Wilt/ dry root rot and pod borer (60%) Moisture stress (40%) Mono-cropping (25 %) Low yielding	Group meeting Training FLD, OFT & Field day
					Chickpea	Pod borer (30%) Dry root rot/wilt (20-30%%)	
					Cotton	Leaf reddening, pink bollworm and sucking pests incidence,	
					Maize	lack of knowledge about foliar nutrition Fall army worm incidence	
					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%)	
					Pomegranate	Blight (30%) Wilt (30%) Fruit sucking moth (25-30%)	
					Chilli	Low yielding private varieties (30%)	
					Onion	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 Chilli	Low yield and inferior quality, deficiency of micronutrients Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%)	
				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	Vibhutihalli Village	01 year	Redgram Chickpea Cotton Maize Groundnut Lime Pomegranate	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%)	Group meeting Training FLD, OFT & Field day

					Chilli Onion Watermelon Tomato Chilli	Low yielding private varieties (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. Low yield and inferior quality, deficiency of micronutrients Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%)	
				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	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	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%)	
					Pomegranate	Blight (30%) Wilt (30%) Fruit sucking moth (25-30%)	
					Chilli	Low yielding private varieties (30%)	
					Onion	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	
					Chilli	Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%)	
				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 fish catching birds Lack of knowledge on feeding practices	FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days

2.9 Priority thrust areas

S. No	Thrust area
1.	• **Maize :** Low yield, improper nutrient management, N, P and Zn nutrients deficiency in maize
2.	• **Fodder crop:** Scarcity of fodder and low milk yield, Scarcity of quality fodder during summer, Scarcity of green fodder, low milk yield, lack of knowledge on silage preparation
3.	• **Pigeon pea :** Low yielding varieties, wilt and pod borer , pod fly and webber.
4.	• **Chickpea:** Non availability of high yielding wilt/dry root rot tolerant varieties and pod borer menace
5.	• **Groundnut** : Lack of use of bio- fertilisers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield, sucking pests Leaf miner and Tikka disease
6.	• Leaf reddening, pink boll worm, sucking pest& lack of knowledge about foliar nutrition
7.	• **Chilli :** Low yield, inferior quality, local variety / private hybrids, pest and disease incidence
8.	• **Tomato:** Non adoption of disease resistant and high yielding hybrids. Incidence of TOLCV, Early blight, Bacterial wilt.
9.	• **Bhendi :**Existing hybrids are low yielding , sucking pest and fruit borer damage
10.	• **Onion :** twisting disease, Non availability of improved variety, Low yield due to local varieties, purple blotch, thrips incidence and rotting, Non-application of sulphur, 15-20 % of storage losses
11.	• **Watermelon:** Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less, High seed cost of existing hybrids and seeds should be purchased every time
12.	• **Brinjal :** Low yield due to inadequate use of major and micronutrients, occurrence of shoot and fruit borer and sucking pest.
13.	• **Rose:** Thin flower stalk and Low yield, High incidence of leaf spot, PM and Dm , thrips and mite damage and Lower shelf life.
14.	• **Fisheries:** Augmentation of income of farmers.
15.	• **Lime:** Management of wilt in lime, Micro nutrient deficiency, low yield during summer, Citrus canker, Leaf Miner
16.	• **Poultry**: Low egg laying rate in local birds, Lower body weight gain, High feed cost
17.	• **Sugarcane :** Low organic matter in soil, Burning of trash, Lack of awareness about *insitu* composting
18.	• **Pomegranate:** Flower drop 20%, Higher cost of inorganic fertilizer
19.	• **Livestock:** Low milk yield, Low quality of milk, higher incidence of sub clinical mastitis
20.	• **Redgram :** SMD and Pod fly damage
21.	• **Cotton :** Leaf reddening and pink boll worm incidence in cotton

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
7	6	35	30	16	7	126	60

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
40	**36**	**1600**	**1451**	**04**	**02**	**155**	**106**

Training (Extension personnel)				Training (sponsored)			
5				6			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
-	-	-	-	18	16	1000	885

Training (Vocational)				Extension Programmes			
7				8			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
02	**01**	**60**	**35**	2000	1912	8000	6484

Seed Production (Q)		Planting material (Nos.)	
9		10	
Target	Achievement	Target	Achievement
65	57.65	6000	5000

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
11		12	
Target	Achievement	Target	Achievement
200	125	18000	14575

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	**359**	**500**	**359**	50	45	1500	12338

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(Kg)	
1	ICM	Okra	Existing hybrids are low yielding , sucking pest and fruit borer damage	Assessment of Bhendi hybrids for adoptability in Vijayapura District	-	01	01		Field visit: 03	Seeds -5kg Vegetable special 10kg	-	-		
2	ICM	Brinjal	Low yield due to inadequate use of major and micronutrients, occurrence of shoot and fruit borer and sucking pest.		Integrated Crop Management in Brinjal -	01	-	-	Field visit: 04	Vegetable special:24 kg Neem oil :4lit Pheromone traps :40no. Emamectin Benzoate 5% SG:800g			Arka microbial consortia	3lit/demo
3	Variety Introduction	Rose	Thin flower stalk and Low yield High incidence of leaf spot, PM and Dm , thrips and mite damage. Lower shelf life		Demonstration of New Rose variety Arka Savi for loose flower and garland making -	01		01	Field visit: 03	-	Seedlings :1000no.	-	-	-

4	ICM	Lime	Flower regulation and Micronutrient, pest and disease management	-	Bahar and micronutrient management in Lime	01	-	01	Field visit: 04	60 kg citrus special Lihocin - 10lit	-	-	-
5	ICM	Tomato	High seed cost by using private hybrids, Non adoption of disease resistant and high yielding hybrids and fruit cracking	-	Assessment of tomato hybrid	01	-	-	Field visit: 05	Seeds :100g Vegetable special:10 kg	-	-	-
6	Variety Introduction	Watermelon	High seed cost of existing hybrids and seeds should be purchased every time		Introduction of new watermelon variety Arka Shyama	01	-	-	Field visit- 02	Seeds 1.0 Kg Sticky traps:40 Nos Neem oil 1500ppm: 5lit Vegetable Special : 10 kg	-	-	-

7	IDM	Onion	Low yield of onion due to twisitng disease	Management of twistin g disease in onion	-	01	-	-	02				*Trichoderma harzianum* *Pseudomonas fluorescens* Fipronil 5% SC Propiconazole 25%EC Carbendazim 50 WP Boron Multi K 13:0:45 Neem cake	3kg 3 kg 500 ml 500 ml 500 WP 500 g 600g 200 kg
8	IPDM	Redgram	SMD and pod fly damage	-	Managem entmentn of SMD and pod fly in Redgram	01	01	-	02	-	-	-	*Jaggry*	2 kg
9	IPDM	Lime	Citurs canker, Leaf Miner	-	Mangeme nt of Citurs bacterial canker and leaf miner	01	-	01	04				*Pseudomonas liquid @ 5 ml/L*	1000 ml
10	Variety Introdu ction	Chickpea	Lack of awarene ss on high yield varities. Dry root rot disease	-	Demonstr ation of Nbeg-47 chickpea variety tolerant to wilt/dry root rot	01	-	-	02	30 kg seed per demo	-	-	Trichoder ma	250g m
11	IPDM	Lime	Citrus canker, Leaf Minor		Managem ent of Citrus canker and leaf miner	02	01	-	Field visit: 03				*Pseudomonas*liquid @ 5 ml/L neem oil 1500 PPM	1000 ml 1000 ml

12	Feed and Fodder	Poultry	Lower body weight gain, mortality, Lack of azolla feeding	Assessment of dietary supplementation of fresh and dried azolla on performance of Backyard poultry	01	01	-	-	Field visit: 03			35 chicks		
13	Fodder	Livestock	Scarcity of fodder, lower milk yield, low quality of milk	Perennial green fodder supply model	01	01	-		Field visit: 04	Lucerne : 0.5 kg, Super napier : 1000, Stylo : 0.5 kg, Cofs-31 : 1 kg				
14	Composite fish farming	Fish	Mortality, lower yield ponds	Promotion of composite fish farming in storage	01				Field visit: 03			Rohu : 800, catla : 800 CC : 800		
15	Mastitis	Dairy cows	Sub clinical mastitis, lowe milk yield, low quality of milk mastitis	Demonstration of clean milk production procedures for management of subclinical	01				Field visit: 02	-	-	-	-	
16	Fodder	Silage	Scarcity of fodder, lower milk yield, low quality of milk	Demonstration on silage production in silo bags	01	-	-		Field visit: 02	-	-	-	-	
17	INM	Maize	Low yield improper nutrient management, P and Zn nutrient deficiency in maize	Assessment of nano fertilizer (N & Zn) on growth and yield of maize		01			Field visit: 04	N based nano fertilizer - 12 litres Zn based nano fertilizer-6 litres $ZnSO_4$ -60 kg $FeSO_4$ -60 kg				

18	INM	Onion	Non-application of sulphur and 15-20% of storage losses		Demonstration of Sulphur application in Onion for better yield	01			Field visit: 03	Sulphur (Bentonite sulphur) -90 kg			*Azospirillum* PSB	6 kg 6 kg
19	INM	Sugarcane	Low organic matter in soil Burning of trash Lack of awareness about *in-situ* composting		*In-situ* composting of Sugarcane trash using UASD compost culture	01			Field visit: 04				UASD compost culture	50 kg
20	INM	Pomegranate	Flower drop - 20% and higher cost of inorganic fertiliser		Demonstration of novel microorganism for nutrient management in pomegranate	01			Field visit: 06				Sonaar	30 kg
21	ICM	Cotton	Leaf reddening , pin bollworm and sucking pests incidence, lack of knowledge about foliar nutrition		Management of leaf reddening and pink bollworm in Cotton	01			Field visit: 04				MgSO4 5% neem oil Profenophos Pheromone traps + lures	84 kg 6 liters 6 liters 3 liters 72 +144 numbers

3. B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1.	Ajwain production processing and marketing	NRCSS, Ajmer, Rajasthan	Ajwain	-	-	01	Field visits
2.	Assessment of Bhendi hybrids for adoptability in Vijayapura district	IIHR, Bengaluru	Bhendi	OFT	-	01	Field visits
3.	Management of twisting disease in onion	DOGR Pune and Adhoc recommendation, UAS, Dharwad	Onion	OFT	-	01	Field Visits.
4.	Assessment of tomato hybrid	IIHR, Bengaluru	Tomato	-	FLD	01	Field visits

5.	Integrated crop management in Brinjal	IIHR, Bengaluru	Brinjal	-	FLD	01	Field visits
6.	Introduction of new watermelon variety – Arka Shyama	IIHR, Bengaluru	Watermelon	-	FLD	01	Field visits
7.	Demonstration of New Rose variety Arka Savi for loose flower and garland making	IIHR, Bengaluru	Rose	-	FLD	00	Field visits
8.	Bahar and micronutrient management in Lime	IIHR, Bengaluru NRCC, Nagpur	Acid lime	-	FLD	02	Field visits
9.	Assessment of chickpea varieties for wilt and dry root rot	UAS, Dharwad UAS, Raichur ANGRAU, Guntur	Chickpea	-	FLD	01	Field visits
10.	Management of citrus canker and leaf miner in lime	UAS, Dharwad and NRC Nagpur	Lime	-	FLD	01	Field visits
11.	Management of SMV and pod fly in Redgram	UAS, Dharwad	Redgram	-	FLD	01	Field visit
12.	Assessment of dietary supplementation of fresh and dried azolla on performance of Backyard poultry	KVAFSU, Bidar and NIANP, Bengaluru	Poultry	OFT	-	01	Field visits ; 03
13.	Perennial green fodder supply model	IGFRI, Dharwad and TNAU, Coimbator	Fodder		FLD	01	Field visits ; 03
14.	Promotion of composite fish farming in storage	KVAFSU, Bidar	Fish		FLD	01	Field visits ; 03
15.	Demonstration of clean milk production procedures for management of subclinical	KVAFSU, Bidar	Livestock		FLD	-	Field visits ; 03
16.	Demonstration on silage production in silo bags	KVAFSU, Bidar	Livestock		FLD	01	Field visits ; 03
17.	Assessment of nano fertilizer (N & Zn) on growth and yield of maize	IFFCO –NBRC, Gujarath 2020 and UAS, Dharwad	Maize	OFT		01	Field visits
18.	Demonstration of Sulphur application in Onion for better yield	NHRDF, Nasik	Onion		FLD	01	Field visits
19.	In-situ composting of Sugarcane trash using UASD compost culture	UAS, Dharwad	Sugarcane		FLD	01	Field visits

20.	Demonstration of novel microorganism for nutrient management in pomegranate	NRC Pomegranate, Solapur	Pomegranate		FLD	01	Field visits
21.	Management of leaf reddening and pink bollworm in Cotton	UAS, Dharwad	Cotton		FLD	01	Field visits
22.	Assessment of tomato hybrid	IIHR, Bengaluru	Tomato	-	FLD	01	Field visits

3.B2 contd..

	No. of farmers covered															
	OFT				FLD				Training				Others (Specify) (field visit)			
	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
1.	0	0	0	0	0	0	0	0	88	01	12	0	04	0	02	0
2.	03	0	02	0	0	0	0	0	20	04	7	0	02	0	0	0
3.	04	00	0	0	0	0	0	0	25	03	02	01	10	5	8	5
4.	04	0	01	0	0	0	0	0	25	0	5	0	04	0	01	0
5.	06	0	02	0	0	0	0	0	26	0	4	0	02	0	02	2
6.	04	0	01	0	0	0	0	0	23	0	8	0	04	0	01	0
7.	02	0	00	0	0	0	0	0	0	0	0	0	01	0	0	02
8.	08	0	02	0	0	0	0	0	36	02	12	02	05	0	01	01
9.	0	0	0	0	01	00	02	0	28	4	3	3	0	0	0	0
10.	0	0	0	0	10	0	0	0	26	5	2	1	0	0	0	0
11.	0	0	0	0	9	0	1	0	0	0	0	0	0	0	0	0
12.	04	00	00	00	00	00	00	00	42	12	4	5	0	0	0	0
13.	00	00	00	00	8	1	1	0	25	12	2	1	2	2	1	2
14.	00	00	00	00	4	0	2	0	0	0	0	0	10	0	1	2
15.	00	00	00	00	7	0	3	0	32	1	33	5	3	2	1	1
16.	00	00	00	00	8	0	4	0	25	12	2	1	4	2	4	2
17.	05	01	00	00	00	00	00	00	30	05	05	01	02	05	01	02
18.	00	00	00	00	06	00	00	00	66	06	05	01	04	02	03	01
19.	00	00	00	00	10	00	00	00	24	03	04	00	05	01	02	00
20.	00	00	00	00	10	00	00	00	64	02	08	00	04	01	02	00
21.	00	00	00	00	06	00	00	00	00	00	00	00	05	01	02	00
22.	04	0	01	0	0	0	0	0	25	0	5	0	04	0	01	0

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	TOTAL
Integrated Nutrient Management										01
Varietal Evaluation					01					01
Integrated Pest Management										
Integrated Crop Management										
Integrated Disease Management					01					01
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			**03**		**03**	**00**		**01**		**07**

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	TOTAL
Integrated Nutrient Management										
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		10				
TOTAL						

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
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 trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	Maize	Assessment of nano fertilizer (N & Zn) on growth and yield of maize	06	06/03	0.6
Varietal Evaluation	Bhendi	Assessment of Bhendi hybrids for adoptability in Vijayapura district	05	05/03	2.0
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
	Acid lime	Wilt management in acid lime	04	02	1.6
	Onion	Management of foliar diseases/Twisting disease in Onion	05	05/03	2.0
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 trials	Number of farmers/locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management					
Others, Pl specify					
Total					

4.B.3. Technologies assessed under Livestock

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/locations
Poultry feed	Poultry	Assessment of dietary supplementation of fresh and dried azolla on performance of Backyard poultry	10	10
Total			10	10

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

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/locations
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 trials	No. of locations
1	Drudgery reduction				
2	Entrepreneurship Development				
3	Health and nutrition	Vegetables	Nutri garden	50	02
4	Processing and value addition				
5	Energy conservation				
6	Small-scale income generation				
7	Storage techniques				
8	Household food security				
9	Organic farming				
10	Agroforestry management				
11	Mechanization				
12	Resource conservation technology				
13	Value Addition				
14	Others, pl. specify				

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

	Thematic areas	**Name of enterprise**	**Name of technology(s)**	**No. of trials**	**No. of locations**
1	Drudgery Reduction				
2	Entrepreneurship Development				
3	Health and Nutrition				
4	Value Addition				
5	Women Empowerment				
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	% Disease	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	14
Okra	Irrigated	Existing hybrids are low yielding	Assessment of Bhendi hybrids for adoptability in Vijayapura District	05	TO1: Pvt. Hybrid	Private hybrid		t/ha	14.5 Fruit length in cm		380820	248044	2.87
					TO2: CoBH-4	TNAU, Tamilnadu		t/ha	13.7 Fruit length in cm		415976	284677	3.17
					TO3: Arka Nikita	IIHR, B		t/ha	14Fruit length in cm		429660	298592	3.28
Onion	Irrigated	Low yield due to twisting disease	Management of twisting disease in Onion	04	To1: Spraying with mixture of pesticides	Farmer Practice	9.13	t/ha	80.85 g bulb weight 9.75cm bulb diameter	34.16 twisting disease (%)	1,46,000	60,575	1.71
					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	12.15	t/ha	103.25 bulb weight 12.63cm bulb diameter	13.75 twisting disease (%)	2,18,700	1,35,628	2.63

					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 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	Module 2-Adhoc Recommendation UAS, D	13.68	t/ha t/ha	120.25 bulb weight 13.75 c m bulb diameter	13.75 twisting disease (%)	2,48,250	1,64,465	2.98
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	Farmers Practice	16.88	t/ha	-	17.34	55,312	1,55,688	3.81
					TO2: 1.Sanitation, 2. Drenching wih metalaxyl 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, Dharwad	20.18	t/ha	-	11.23	60,500	1,91,750	4.16
					TO3: 1. Pruning the affected branches/twigs 2. trunk	NRCC, Nagpur	22.25	t/ha	-	6.80	67,188	2,22,062	4.30

					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								
Poultry	-	Lower body weight gain, mortality, Lack of azolla feeding	Assessment of dietary supplementation of fresh and dried azolla on performance of Backyard poultry	10	TO1:	-	0.67±0.32	Kg	Disease percentage	15	6300	4725	1.34
					TO2: Introduction of swarnadhara (20 no.) + Fresh Azolla Feeding + Vaccination against RD and IBD	KVAFSU, Bidar	0.83±0.22	Kg	Disease percentage	5	8750	4000	2.18
					TO3: Introduction of Swarnadhara (20 no.) + Dried Azolla Feeding + Vaccination against RD and IBD	NIANP, Bengaluru	0.79±0.18	kg	Disease percentage	5	8000	4000	2.00
Maize	Irrigated	Low yield improper nutrient manage	Assessment of nano fertilizer (N & Zn) on growth and yield	06	TO1 : Farmer practice	-	54.0	q/ha	-		129600	83350	2.80

		ment, P and Zn nutrient deficiency in maize	of maize									
					TO2: RDF: 10 t/ha FYM + 150:65:65 NPK kg/ha and $ZnSO_4$ and $FeSO_4$ @ 25 kg/ha each	UAS, Dharwad	56.8	q/ha	-		139242	92042	2.95
					TO3: Application of 25% N as basal dose (37.5 kg N/ha), (32.5 kg/ha) 50% K & (65 kg/ha) Full P as basal, 25% N at 25-30 DAS, 50% K at tasseling stage N & Zn Nano fertilizer spray at 30 DAS (4ml/lit and 2ml/lit respectively) and 20 days after first spray	IFFCO – NBRC, Gujarath 2020	60.4	q/ha	-		151000	103000	3.15

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
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 other module.	The recommendation is complex, hence farmers expressed difficulty in practising.
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 wilt in lime	The technology is simple and can be practiced by the farmers	High recovery of the wilted plants and recovered plants showed more number of fruits
Assessment of dietary supplementation of fresh and dried azolla on performance of Backyard poultry	Feeding of fresh azolla (60gm) improved body weight of poultry birds compared to dry azolla	-
Assessment of nano fertilizer (N & Zn) on growth and yield of maize	Application of Nano-urea and Nano-Zn gives higher yield and net return.	-

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: **Management of twisting disease in Onion**
2. Performance of the Technology on specific indicators: DOGR Pune technology assessment against UAS, D ad hoc recommendation
3. Specific Feedback from farmers: Low disease incidence, high yield and price, fruit rotting was less and good keeping quality.
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**: Assessment of dietary supplementation of fresh and dried Azolla on performance of Backyard poultry**
2. Performance of the Technology on specific indicators: Fresh azolla has given more impact compared to dried azolla
3. Specific Feedback from farmers: Fresh Azolla palatability and intake was higher
4. Specific Feedback from Extension personnel and other stakeholders: Dried azolla can be added with concentrated feed
5. Feedback to Research System based on results and feedback received: -
6. Feedback on usefulness and constraints of technology: Feeding of azolla improved total weight gain in poultry birds

1. Title of Technology Assessed**: Assessment of nano fertilizer (N & Zn) on growth and yield of maize**
2. Performance of the Technology on specific indicators: Assessment of nano urea and nano zinc against urea and zinc Sulphate
3. Specific Feedback from farmers: application of nano urea and nano zinc gave better yield in Maize as compared to application of urea and zinc sulphate
4. Specific Feedback from Extension personnel and other stakeholders: Application of nano urea and nano zinc in maize plots retained maximum moisture in leaf.
5. Feedback to Research System based on results and feedback received :-
6. Feedback on usefulness and constraints of technology: unavailability of nano zinc in local market.

1. Title of Technology Assessed**: Management of wilt in lime**

2. Performance of the Technology on specific indicators: Wilt management UAS,D and NRCC, Nagpur technologies

3. Specific Feedback from farmers: High recovery of the wilted plants and recovered plants showed more number of fruits.

4. Specific Feedback from Extension personnel and other stakeholders

5. Feedback to Research System based on results and feedback received6. 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

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	Irrigated	Kharif	Redgram	TS-3R		IPDM	Management of SMD and pod fly in Redgram	1.6	1.6	1	9	2	8
	Cereals													
	Millets													
	Vegetables	Irrigated	Kharif	Brinjal		Private	ICM	Use of Arka Microbial	3.2	3.2	1	7	4	4

								Consortia						
	Onion	Irrigated	Kharif	Onion		Private	INM	Application of Sulphur in onion	2.4	2.4	1	5	1	1
		Irrigated	Summer	watermelon	Arka Shyama		Variety	New variety introduction	2.0	2.0	1	4	1	4
	Flowers	Irrigated	Kharif	Rose	Arka Savi		Variety	New variety introduction	1.8	1.8	1	1	0	2
	Ornamental													
	Fruit	Irrigated	*Kharif*	Lime	Kagzi lime		Bahar Management	Bahar and micronutrient mgmt in Lime	4	4	1	9	2	8
		Irrigated	*Kharif*	Lime	Kagzi lime		IPDM	Management of Citrus bacterial canker and leaf miner	1.6	1.6	0	10	3	7
	Spices and condiments													
	Medicinal and aromatic													
	Fodder	Irrigated	Kharif	Fodder	Lucerne, Super napier Stylo, Cofs-31 :		Multicut fodder variety	Perennial green fodder supply model	0.1	0.1	03	07	-	-
	Plantation													
	Fiber													
	Dairy	-	Kharif	Disease	-	-	Sub clinical mastitis	Use of post dips	-	-	3	7		
		Irrigated	Kharif	Fodder	-	-	Silage	Demonstration on silage production in silo bags	-	-	4	8	-	-
	Poultry													

	Vermicompost													
	Fish farming	-	*Kharif*	Fish farming	Rohu, catla, CC		Composite farming	Promotion of composite fish farming in storage	-	-	1	5		

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

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												
	Flowers												
	Ornamental												
	Fruit												
	Spices and condiments												
	Commercial												
	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 check (Rs./ha)		
							Demo			Check		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds																	
Vegetables	Onion	Demonstration of Sulphur application in Onion for better yield	Private	Irrigated	6	2.4	19.5	17.5	18.5	15.4	20.1	351500	293175	6.35	284900	232050	5.39
	ICM in Brinjal		Pvt	Irrigated	08												
	Tomato		Arka samrat	Irrigated	05	2.0											
	watermelon variety arka shyam for Summer		Arka Shyam	Irrigated	05	2.0											
Flowers	Rose		Arka Savi	Irrigated	02	0.8											
Fruits																	
Lime	Bahar and micro nutrient management in acid lime	Kagzi		*Rabi*	10	4.0											
Lime	Management of Citrus canker and leaf miner	Kagzi		*Kharif*	10	04	23.40	20.25	21.10	18.60	13.44	253200	205700	5.33	213900	162800	4.18
Spices and condiments																	
Commercial																	
Cotton	Management of leaf reddening and pink bollworm in Cotton	Bt -cotton		*Kharif*	06	2.4	28.8	28.2	28.5	25.5	11.8	270750	226250	6.08	229500	178500	5.03
Others (pl.specify)																	

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**	**Local**

5. B2. 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
Sulphur Management in Groundnut (G2-52 variety)	• G2-52 new variety in groundnut performance is good and one-week early maturity as compared to local variety.	
Management of leaf reddening and pink bollworm in Cotton	• Leaf reddening and pink bollworm damages is minimum in Cotton and 20.80% higher yield recorded in demo plots as compared to farmers practices	
Foliar application of Boron and management of sucking pest in melons	• Application of Boron improves fruit size and colour of watermelon and fetched good price in the market.	
Management of SMV and pod fly in Redgram	• Knowledge on spraying suitable chemicals at correct interval, Less disease incidence ,High yield	-
Management of FAW in Maize	• Use of Sleeve Traps @ 12 no. per acre. Spray of Emamectin benzoate 5 EC @ 0.25 g/l of water, chlorantriniliprol 0.2 ml per litre water spray at whorl reduced the cost of cultivation by reducing the number of sprays.	-
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	
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 other season crop.	
Onion variety Bhima Shakti for Rabi	• Season specific high yielding variety • The availability of seeds is the constraint	
Bengalgram variety Chickpea JAKI-9218	• High yielding tall growing variety	
Demonstration of GRG-811 and drudgery reduction by using of spiral	• Medium durated wilt and SMV tolerant variety	
solar operated nipping machine for Pigeonpea	• Useful machine for nipping in redgram	
Foxtail millet variety DHFt-109-3 processing and value addition	• High yielding variety	
Management of SMV and pod fly in redgram	• The technology demonstrated manages both SMV and pod fly	
Perennial Supply of Green Fodder model	• This model is supplying the green fodder around the year	
Tomato ArkaSamrat hybrid variety	• Arka Samrat hybrid is high yielding and disease resistant hybrid • Availability of seeds is the constraint	
Promotion of composite fish farming in storage ponds	• The pond water can be utilized judiciously	

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 : as a model	-	10	10	Yield (ton/harvest) and milk yield (lit.)	8.2	5.0	6.80	5.70	13.64	70455	22143	3.18:1	60847	23470	2.59:1
Dairy cows	Demonstration on silage production in silo bags	-	12	12	Quality of silage and milk yield (lit/lactation /animals.)	10	6.5	8	7	12.5	85,400	26840	3.18:1	74725	27755	2.69:1
Dairy cows	Demonstration of clean milk production procedures for management of subclinical mastitis	-	10	10	Milk yield (lts./lactation/animal)	9.0	5.4	7.20	6.20	13.89	76860	24156	3.18:1	66185	26,474	2.59:1
Poultry																
Rabbitry																
Pigerry																
Sheep and goat																
Duckery																
Others (pl.specify)																

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

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
Demonstration on preservation of green fodder in the form of silage using silo bags	• Used the silo bags of 1 ton capacity to prepare silage • These bags can be used repeatedly, until there is no damage to the bags • These bags can be useful for small farmers	-
Perennial supply of green fodder model : as a model	• Multicut fodder varieties can be demonstrated • Higher milk yield can be expected • Thought the year fodder can be made available	-

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								
Fish farming	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	-	-	-

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: Nil

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)																

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 Man days		% 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

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

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	04	120	
2	Farmers Training	36	1400	
3	Media coverage	12	-	
4	Training for extension functionaries	-		
5	Others (Please specify) special days	8	215	

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								
Vegetable crops															
Others (pl.specify)															
Total															
Cucumber															
Tomato	Demonstration of tomato hybrid	Arka samrat	05	2.0											
Brinjal															
Okra															
Onion															
Potato															

Field bean															
Others (pl.specify)															
Total															
Commercial crops															
Sugarcane	*Insitu* composting of Sugarcane trash using UASD compost culture		10	2.0											

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
Tomato Arka Samrat hybrid variety	• Arka Samrat hybrid is high yielding and disease resistant hybrid • Availability of seeds is the constraint	• Easy accessibility of Seed is the constraint

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										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management	01	25	2	27	3	2	5	28	04	32
Integrated Crop Management (mango)	01	38	12	50	0	0	0	38	12	50
Soil and Water Conservation										
Integrated Nutrient Management	01	32	04	36	09	03	12	41	07	48
Production of organic inputs	01	25	3	28	2	1	3	27	4	31
Others (pl.specify)	01	26	2	28	1	1	2	27	3	30
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) ICM in bhendi	02	35	1	36	17	0	17	52	01	53
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit (grape n lime)	02	75	02	77	01	02	03	76	04	80
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	01	16	04	20	10	0	10	26	4	30
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	02	40	15	55	11	5	16	51	20	71
Production and use of organic inputs										
Management of Problematic soils	01	20	4	24	4	2	6	24	6	30
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers	01	38	13	51	16	3	19	54	16	70
Soil and water testing (hort crops)	01	35	0	35	10	0	10	45	0	45
Others (pl.specify) Goat, Goat and Azolla										
Livestock Production and Management										
Dairy Management	01	21	4	25	10	7	17	31	11	42
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify) goat training	02	65	4	69	8	3	11	73	7	80

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 (millets)										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
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) Agriculture workshop on energy conservation	01	20	10	30	10	0	10	30	10	40
Plant Protection										
Integrated Pest and Disease Management (grape)	01	40	2	42	20	0	20	40	22	62
Integrated Disease Management (Onion)	01	12	2	14	02	00	02	14	02	**16**
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify) scientific bee keeping	01	25	05	30	07	03	10	32	8	40
Fisheries										
Integrated fish farming	01	37	02	39	06	06	09	43	11	54
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)										
Capacity Building 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)										
TOTAL	**20**	**537**	**72**	**609**	**137**	**33**	**167**	**654**	**128**	**782**

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	01	30	02	32	02	01	03	32	03	35
Soil and Water Conservation	01	24	1	25	3	2	5	27	3	30
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) year round production of vegetables	01	30	15	45	02	0	02	42	02	47
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit (mango),pome, lime	03	67	05	72	25	06	31	92	11	103
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(arecanut)	01	40	0	40	10	0	10	40	10	50
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 ajwain	01	**60**			**34**			**04**	**02**	**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 (onion)	01	23	1	24	4	2	6	27	3	30
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	01	28		12				02	02	44
Others (pl.specify) biofertilizers	01	05	07	12		06	06	03		21
Livestock Production and Management										
Dairy Management	01	18	0	18	4	0	4	22	0	22
Poultry Management	01	25	01	26	01	01	02	26	02	28
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management	01	32	0	32	6	0	6	38	0	38
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	01	0	32	32	08	0	8	0	40	40
Design and development of low/minimum cost diet										

Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
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	01	24	2	26	2	2	4	26	4	30
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify) Safe use of pesticides										
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)										
TOTAL	**16**	**406**	**42**	**182**	**21**	**9**	**30**	**381**	**46**	**618**

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	02	80	10	90	12	4	16	92	14	106
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	02	80	10	90	12	4	16	92	14	106

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

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

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										
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										

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 (Ajwain)	**01**	**60**	**4**	**64**	**34**	**2**	**36**	**94**	**06**	**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) BEE STAR	**01**	**25**	**30**	**55**	**15**	**35**	**50**	**40**	**65**	**105**
	PCRA	**12**	**350**	**83**	**433**	**23**	**24**	**47**	**373**	**107**	**480**
	BEE	**1**	**65**	**22**	**87**	**11**	**2**	**13**	**76**	**24**	**100**
	MIDH (Ajwain crop)	**1**	**68**	**16**	**84**	**12**	**04**	**16**	**80**	**20**	**100**
	Total	**16**	**568**	**155**	**723**	**95**	**67**	**162**	**663**	**222**	**885**

Details of sponsoring agencies involved

1.MIDH

2.BEE STAR

3.PCRA

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	**01**	**24**	**04**	**28**	**5**	**2**	**7**	**29**	**6**	**35**
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	**01**	**24**	**04**	**28**	**5**	**2**	**7**	**29**	**6**	**35**

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															

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	545	360	35	395	95	55	150	12	04	561
Farmers visit to KVKs	1077	931	77	1008	123	46	169	13	2	1192
Lectures delivered as resource persons	12	214	15	229	45	11	56	1	1	287
Diagnostic Visits	47	30	4	34	13	0	13	1	0	48
Field Days	05	125	00	125	15	10	25	3	1	154
Group discussions/ meetings	09	72	12	54	30	00	30	4	1	89
Kisan Gosthies	04	125	09	134	12	3	15	13	0	162
Film Shows	06	99	17	116	12	3	15	1	0	132
Self help group meetings	0	0	0	0	0	0	0	0	0	0
Mahila mandals meetings	0	0	0	0	0	0	0	0	0	0
Kisan Melas	02	850	121	971	135	52	187	27	11	1196
Exhibitions	04	176	12	188	38	06	44	12	08	252
Scientist visit to farmers fields	54	38	1	39	11	3	14	01	00	54
Soil health camps	0	0	0	0	0	0	0	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	121	1022	292	1314	163	83	246	15	05	1580
Workshops	12	347	62	409	17	12	29	2	1	441
Method Demonstrations	02	02	0	02	06	0	06	02	01	11
Celebration of important days	12	271	18	289	14	12	26	08	02	325
Exposure visits										
Others, Please specify										
Total	**1912**	**4662**	**675**	**5307**	**729**	**296**	**1025**	**115**	**37**	**6484**

8.2 Other extension activities like print and electronic media etc.

Sl. No.	Type of media/activity	Number of activities/Number
1	Popular articles	11
2	Newspaper coverage	15
3	Extension Literature	07
4	Radio Talks	02
5	TV Talks	00
6	CD/DVD/Video clips	00
7	Animal health camps (no. of animal treated)	00
8	Others, please specify	0
	Total	**35**

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	CSV-29R	7.20 qtl	36,720	66
Oilseeds					
Pulses	Redgran	TS-3R	28.85 qtl	3,17,350	96
	Chickpea	BGD-111-1	21.60 qtl	1,85,760	59
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
Total					

9.B. Production of hybrid seeds by the KVKs: Nil

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	Lime	Kagzi	5000	24000	12
Ornamental plants					
Medicinal and Aromatic					
Plantation					
Spices					
Tuber					
Fodder crop saplings					
Forest Species					
Others(specify)					
Total					

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

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	Vermicompost	12.875	10300	04
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)citrus special	Citrus special	1.70	30600	25
Total				

9.D. Production of livestock

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)	Kaveri	125	18750	06
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total	Kaveri	125	18750	06

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

10. A. Literature Developed/Published (with full title, author & reference)

(i) KVK Newsletter:
Date of start:_____ Periodicity:_____Copies printed in each issue:_____**Nil**

(ii) Summary of Literature developed/published

Item	Number
Research papers- International	00
Research papers- National	06
Technical reports	00
Technical bulletins	00
Popular articles – English	08
Popular articles – Local language	01
Extension literature	07
Others if any	00

(iii) Details of Literature developed/published

Please provide the details of above 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.

- **S Shinde**, Mahesh K and Venkanna B (2022) Evaluation of Surf Field Test and California Mastitis Test for Diagnosis of Sub Clinical Mastitis in Crossbred Cows Journal of Krishi Vigyan, 37-42: special issue on animal science
- Mahesh Kadagi, **Santhosh S** , Santhosh H M , Ashoka P and Jayshree P (2022) Effect of Double dose PGF2α on Conception Rate in Repeat Breeding Dairy Journal of Krishi Vigyan, 26-29: special issue on animal science
- Mouneshwari R. Kammar, **Arjun R. Sulagitti** and Angadi S.C. Decomposition of sugarcane harvest residue with different compost cultures Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 25, No. (1) : 2023 : 159-162
- Mouneshwari R Kammar, **Arjun R Sulagitti** and Sudha S Performance of biopesticides for management of white grub Holotrichia serrata in sugarcane The Pharma Innovation Journal 2022; 11(11): 2152-2154
- Yankatti, A V. and **Patil, P.B.** A study on migration of adult children and its correlation with quality of life of elderly Published in the proceedings of 4th International conference on global efforts on agriculture, forestry, environment and food security held at Nepal from 17-19th September 2022
- Saptagiri,T.V. and **Patil P.B**. A study on quality of life between institutionalized and non institutionalized elderly Published in the proceedings of 34th Innovation and incubation opportunities in Home Science for self reliant india at Kerela from 15-17th Dec 2022

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

4. **Popular articles:** Authors name, Title of the article, date of publication, Name of the newspaper/magazine, page no.

- Heena, M S and Savita, B (Nov,2022) ತೋಟಗಾರಿಕೆ ಬೆಳೆಗಳಲ್ಲಿ ಮಣ್ಣು ಪರೀಕ್ಷೆಯ ಮಹತ್ವ Krishi jagaran pp:12-15.
- Heena, M S, Savita, B and Prema Patil (Nov,2022) ನಿಂಬೆಯಲ್ಲಿ ಅಧಿಕ ಇಳುವರಿಗಾಗಿ ಅರ್ಕಾ ನಿಂಬೆ ಸ್ಪೇಷಲ್ ಬಳಕೆ Krishi jagaran pp :30-32.
- Santosh Shinde, Mahesh Kadagi, Savita B and Arjun R.S. (Nov,2022) ಕೋಳಿಗಳಲ್ಲಿ ಕಂಡುಬರುವ ರೋಗಗಳು ಮತ್ತು ಅವುಗಳ ನಿರ್ವಹಣೆ. Krishi jagaran pp:16-120
- Patil,P.B., Shubha, S., Devarnavadgi, V. and Hotkar, S. (2022) Uttama Aaarogyakagi poushtika kaitota Agro India pp 20-21

- Patil,P.B., Shubha, S., and Jadhav, S. (2022) Utsaha hagu udyogakagi alankarika menu sakanike Agro India 25-26
- Patil,P.B., Shubha, S., Devarnavadgi, V. and Hotkar, S (2022) Poushtika bhadrate hagu uttama aarogyakagi siridhanyagalu. Agro India, Pg: 1-2.
- Sulgatti, A., Patil,P.B., Naikodi, K. (2022), Basavana huluvina samagra nirvahane Agro India, Pg: 23-25.
- **ಎಸ್.ಎಸ್.ಅಂಜುಮ್, ಆರ್. ಬಿ.ನೆಗಳುರ, ಹೀನಾ. ಎಮ್.ಎಸ್. ಮತ್ತು ಸವಿತಾ, ಬಿ, (2022) ಕಬ್ಬಿನಲ್ಲಿ ಪ್ರಮುಖ ರೋಗಗಳು ಮತ್ತು ಕೀಟಗಳು ಸಮಗ್ರ ನಿರ್ವಾಹಣಾ ಕ್ರಮಗಳು ಕೃಷಿ ಜಾಗರಣ PP :8–10**
- Dr. Ravi Y, Mrs. Heena M S and Manju M J, (SEP 2022) Importance of Food Additives. Agro India PP:21-24
- Savita B, Santosh Shinde and Majeed G (2022) ತೋಟಗಾರಿಕೆ ಬೆಳೆಗಳಲ್ಲಿ ಸೂಕ್ಮ ರಸಾವರಿ Krishi jagaran PP: 16-18
- S.S. Anjum, R.B.Negalur, Heena M.S. and Savita B. (2022) ಕಬ್ಬಿನಲ್ಲಿ ಪ್ರಮುಖ ರೋಗ ಮತ್ತು ಕೀಟಗಳ–ಸಮಗ್ರ ನಿರ್ವಹಣಾ ಕ್ರಮಗಳು Krishi jagaran PP: 8-10

Booklet:

Folder:

1. Arjun R.S. ಕಬ್ಬಿನಲ್ಲಿ ಗೊಣ್ಣೆ ಹುಳುವಿನ ಸಮಗ್ರ ನಿರ್ವಹಣೆ **No. 34 (2022),** KVK Vijayapur II, 1p.
2. Arjun R.S. ಬಸವನಹುಳು (ಶಂಖದ ಹಯಉಳಾ)ವಿನ ಸಮಗ್ರ ನಿರ್ವಹಣೆ **No. 35 (2022),** KVK Vijayapur II, 2p.
3. Arjun R.S. ಸೋಯಾಅವರೆ ಬೆಳೆಯಲ್ಲಿ ಕೀಟ ಮತ್ತು ರೋಗಗಳ ಸಮಗ್ರ ನಿರ್ವಹಣೆ **No. 36 (2022) ,** KVK Vijayapur II, 2p.
4. Heena M.S. Savita B, Santosh ShindeArjun Sulagitti and Majeed G. ಅಜ್ವೈನ್ ಬೆಳೆಯ ಉತ್ಪಾದನಾ ತಾಂತ್ರಿಕತೆಗಳು **No. 39 (2022)** KVK Vijayapur II, 2p.
5. P.S. Hugar, Heena M.S. Arjun sulagitti and Savita B. ಮೆಣಸಿನಕಾಯಿ ಬೆಳೆಗೆ ಕಾಡುತ್ತಿರುವ ವಿದೇಶಿ ಕಪ್ಪು ಥ್ರಿಪ್ಸ್ ನುಶಿಯ ಸಮಗ್ರ ನಿರ್ವಹಣೆ **(2022)** KVK Vijayapur II, 2p.
6. Kushal, ಮಾವು, ದಾಳಿಂಬೆ ಮತ್ತು ಪೇರಲ ಹಣ್ಣಿನ ಬೆಳೆಗಳಲ್ಲಿ ತಿಂಗಳುವಾರು ಕೈಗೊಳ್ಳುವ ಕಾರ್ಯಗಳು (2022**)** Extension Handout of ICAR KVK Vijayapur II (Indi)
7. **Savita B** (2022) ಮಣ್ಣಿನ ಮಾದರಿ ಸಂಗ್ರಹಣೆಯ ವಿಧಾನ Extension handout . ICAR- KVK, Indi

10.B. Details of Electronic Media Produced

S. No.	**Type of media**	**Title**	**Details**
1	CD / DVD	Koli sakanike Yashogathe	DVD
2	Mobile Apps	-	-
3	Social media groups with KVK as Admin	Coconut cultivation indi, Pomegranate grower ,Chili Indi, 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.

The Broad outline for the case study may be

Title :

Background

Interventions
- Process
- Technology

Output and outcome

Impact
- Horizontal Spread
- Economic gains
- Employment Generation

Photos

Photo	**Photo**
Title	**Title**
Photo	**Photo**
Title	**Title**

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: **Nil**

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

National level award :

Sl.No.	Award Name	Awarded by	Scientist Name	Place	Date
1					

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 equipments 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	1,60,000	Working
3	Laminar air flame	01	88,200	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	249	249	15	64050
Water Samples	110	110	9	5500
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	359	359	24	69,550

C. Details of samples analyzed during 2022:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	249	249	15	64050
Water Samples	110	110	9	5500
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	359	359	24	69,550

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 during 2022and since establishment with Mobile Soil Testing Kit:

	During 2022	During 2022	Cumulative progress (Total)
Samples analyzed (No.)			
Farmers benefited (No.)			
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 participate (No.)	Media coverage (No.)
01	60	40	00	00	05	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)

Impact of Front Line Demonstration on Foliar Application Of Arka Citrus Special in Acid lime

Acid lime (Citrus aurantifolia Swingle) is one in all the four commercially important citrus fruits grown within the country, besides orange, mandarin and grape fruit. Citrus fruits possess greater adoptability to different climatic conditions. It is being cultivated mainly in Maharashtra, Gujarat, Telangana, Uttarakhand, Bihar, Assam, Karnataka, Madhya Pradesh and other states. In Karnataka, Vijayapura is major lime growing district with an area of 12,293.23 ha producing 2,90,550 MT. It is yet to use its potentiality for growing lime in 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 district is multiple nutrient deficiencies including N, P, B, Fe, Mn, and Zn.In order to address this issue, KVK, Vijayapur-II demonstrated application of micronutrients as foliar spray in Acid lime with Arka citrus special a crop specific technology of IIHR Bengaluru at 5g per liter. 4 to 5 spray is require during the crop period, first spray one month before flowering & continue sprays at regular monthly intervals up to harvesting of fruits.

Shri. Mallikarjun Bidri, Bhairunagi village who is progressive farmer participant in this demonstration. He was trained on importance and advantages of Arka citrus special a micronutrient application as foliar spray in Acid lime. He adopted the demonstration along with ICM technologies in Acid lime under the technical guidance of KVK Scientists. He got 20.88 t per ha yield in demonstration plot and 17.60 t/ ha in his own practice plot. The net returns from the demonstration plot had been higher than the farmer practice during the period of demonstration. Got average net returns of Rs.1,83,928/ha when compared to control i.e. Rs.1,28,938/ha. The gross expenditure from the demonstration plot was Rs. 45,742/ha as against his own practices Rs. 48,175/ha. The gross returns from the demonstration plot was Rs.2,29,670/ha when compared to check Rs. 1,77,113/ha. The benefit-cost ratio of demonstration plots was 5.02 which is higher than farmer practice (3.68).Thus, he got additional revenue of 54,990/- from one ha. He express his opinion on advantages of technology are higher fruit weight, improves fruit size, colour and quality(shining and attractive fruits) and It's a faster correction of deficiency, less fertilizer consumption, early crop, good yield and sold at higher price in the market. After observing the success of technology, more than 50 farmers of the same village as well as neighboring village's farmers are also adopted the technology.

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

PART XIII - LINKAGES

13A. Functional linkage with different organizations

Name of organization	Nature of linkage
State Dept. of Agriculture	Trainings, demonstrations, seminars and field days.
State Dept. of Horticulture	Training programmes, demonstrations, seminars and field days, soil testing
State Dept. of Animal husbandry & Veterinary Sciences	Animal Health Camps, trainings.
Syndicate Bank	Guidance to beneficiaries about schemes in Trainings
All India Radio, E-TV, Udaya, Chetan TV and Door Darshan	Publicity and transfer of technology
Farmers clubs	Trainings, demonstrations, seminars and field days.
Sri Kshetra Dhrmastala GrameenabhivrudhiYojane (SKDRDP)	Seminar, Field day.
Raitamitra, NGO	Trainings
Dhan Foundation	Trainings, seminars
FPO, Indi, Sindagi	Technical backstopping
KMF	Demonstrations
Department of Women and Child Development	Primary data collection on women and children
RUDSETI	Organizing training programmes for women SHG's
PCRA	Organizing awareness on petroleum conservation programme
KREDL, Bengaluru	Energy Efficient pumpset training to farmers
Line departments	Organizing training programmes, income generating activities for women for women, participation as recourse person

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

13B. List of special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Fertigation on lime and Research		RKVY	17,00,000
BEE star labelled pumpsets in agriculture and awareness programme	29.12.2021	Karnataka Renewable Energy development Ltd.	1,00,000
Improved lime cultivation and training		KSLDBI	1,00,000

13C. Details of linkage with ATMA : Nil

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	**Research projects**				
03	**Training programmes**	Farmers field school	04	-	
04	**Demonstrations**				
05	**Extension Programmes**				
	Kisan Mela				
	Technology Week				
	Exposure visit	Exposure visit to dairy farms	03		

	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl.specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

13D. Give details of programmes implemented under National Horticultural Mission: NIL

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any

13E. Nature of linkage with National Fisheries Development Board : Nil

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

13F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	Standardization and promotion of drip irrigation and fertigation technology for maximized productivity in acid lime under Northern Dry Zone of Karnataka	RKVY	17,00,000	14,18,962/-	Experiment implemented in acid lime orchards of Indi.

13G. Kisan Mobile Advisory Services:

Month	No of Advisories	Message type (Text/Voice)	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**			985
February	4	**Text**	**1**	**-**	**-**	**-**	**1**	**2**		1250
March	3	**Text**	**1**	**-**	**-**	**1**	**1**			1142
April	2	**Text**	**1**	**1**	**-**	**-**				924
May	5	**Text**	**1**	**-**	**-**		**1**			525
June	4	**Text**	**2**	**1**	**-**		**1**			1321
July	3	**Text**	**1**	**1**	**-**		**1**			984
August	2	**Text**	**1**	**-**	**-**		**1**			821
September	8	**Text**	**6**	**-**	**-**		**2**			1785
October	5	**Text**	**3**	**-**	**-**		**2**			878
November	2	**Text**	**1**	**1**	**-**		**-**			545
December	4	**Text**	**2**	**-**	**-**		**2**			1178
Total	**45**		**22**	**1**	**0**	**1**	**2**	**2**	**28**	**12338**

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Poultry Unit	2021	40 sq m	Kaveri	Chicks	150 no	6,000	18,750	-
2	Citrus special production Unit	2021	-	Arka Citrus Special	Micronutreint	1.7 qtl	8,160	13,600	

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	03.03.2022	1.6	CSV-29R	F/S	7.20	12,000	36,720	
Pulses	Redgram	25.12.2022	6	TS-3R	C/S	28.85	1,50,000	3,17,350	
	Chick pea	30.01.2022	3.2	BGD-111-1	F/S	21.60	75,000	1,85,760	
Oilseeds									
Fibers									
Spices & Plantation crops : Nil									
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	
01	Vermicompost	1287.5 kg	2,000	10,300	

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): 25

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January	Nil	Nil	
February	Nil	Nil	
March	Nil	Nil	
April	Nil	Nil	
May	Nil	Nil	
June	39	12	
July	Nil	Nil	
August	Nil	Nil	
September	Nil	Nil	
October	Nil	Nil	
November	Nil	Nil	
December	Nil	Nil	

14F. Database management

S.No	Database target	Database created
1	Farmer database	Created

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 programme organized

State	Name of KVK	Details of Activities/programme Organized	Number of Chief Guests	No. of Farmers attended program	Total participants
Karnataka	Vijayapura-II (Indi)	01	0	74	74

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	GPBD-4	30	75	30	75
3	Sunflower	KBSH-53	20	50	20	50
	Total		**40**	**100**	**50**	**125**

15.6 CFLDs on Pulses:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1	Bengalgram	BGD-111-1	20	50	20	50
	Total		40	100	40	100

15.7 Krishi Kalyan Abhiyan (Aspiration 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 Technologiess)	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, manure 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 : Nil

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologiess)	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, manure 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						

15.11 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
237	08	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)
1	Vijayapura	Indi	Bhairunagi	50	36,507	Lime, Pigeonpea, Chickpea, wheat, Maize, dairy	Varietal Demonstration, IPDM in different crops, Nutrient Management in different crops, introduction of fodder crops, fishes in farm ponds	23,500	60,007
2		Sindagi	Navadagi	50	34,473	Cotton, Onion,Sugarcane, Chilli, Lime, Animal Husbandry	Varietal Demonstration, IPDM in different crops, Nutrient Management in different crops, introduction of fodder crops, fishes in farm ponds	21,750	56,223
3		Chadachana	Manankalagi	50	29,968	Pigeonpea, Grapes, Pomegranate, Groundnut, Chickepa, Maize, dairy	Varietal Demonstration, IPDM in different crops, Nutrient Management in different crops, introduction of fodder crops, fishes in farm ponds	19,500	49,468
				150					

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
1	Chilli, redgram, sugarcane, chickpea, pomegranate, lime, grapes, cauliflower, tomato etc.,	1. Right use of fungicides and insecticides 2. Reduction in cost and reduction in number of sprays thereby increase in yield.

16.4 Farmers feedback on performance of farm machinery technologies

Sl. No.	Farm machinery technologies	Farmer's feedback
01	Rose variety Arka Savi	Flowers bigger than local variety and colour is not preferred in local market

16.5 Farmers feedback on performance of livestock and fisheries technologies

Sl. No.	Livestock/fisheries technologies	Farmer's feedback
1	Demonstration on preservation of green fodder in the form of silage using silo bags	• Silo bags can be repeatedly used for preparation of silage • Good quality silage can be obtained • Silage preparation using silo bags requires less space • Feeding of silage increased milk yield upto 10%
2	Perennial supply of green fodder model : as a model	• Multicut fodder varieties has helped to increase the milk yield • Thought the year fodder can be made available • It helped in preparing balanced feed
3	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 • An additional income can be obtained by fish rearing • Common carp variety has shown higher growth rate

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 2021-22 (Rs. in lakh) i.e up to 31.12.2022

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	95,02,000	97,92,921	97,44,157
2	**Traveling allowances**	2,00,000		1,79,209
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2,25,000		2,24,985
B	POL, repair of vehicles, tractor and equipments	2,00,000		1,99,860
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,00,000		75,880
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	30,000		26,650
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3,70,000	15,69,835	3,63,596
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1,80,000		1,63,200
G	Training of extension functionaries	1,00,000		98,629
H	HRD Training programme	40,000		30,379
I	Establishment of Soil, Plant & Water Testing Laboratory	40,000		34,500
J	Library	5,000		4,830
K	Farmers filed school	30,000		12,604
L	Nutrigarden demo units	50,000		34,456
M	EDP	40,000		39,950
	TOTAL (A)	**16,10,000**	**15,69,835**	**14,88,728**
B. Non-Recurring Contingencies				
1	Information technology	3,00,000	3,00,000	2,99,384
2	Works (Compound wall + farm development)	25,00,000	-	-
TOTAL (B)		**28,00,000**	**3,00,000**	**2,99,384**
GRAND TOTAL (A+B)		**1,39,12,000**	**1,16,62,756**	**1,15,32,269**

17C. Status of revolving fund (Rs. in lakh) for the last three years i.e. upto 31.12.2022

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 2020	9,93,752.26	12,26,308	11,27,250	10,92,810.26
January to December 2021	10,92,810.26	12,85,816	16,30,792	7,47,834.26
January to December 2022	7,47,834.26	11,17,094	15,93,038	2,71,890.26

18. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates

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

18. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Santosh Shinde	Scientist (Animal Science)	Statistics	CPCRI Kasargod	11.08.2022 to 12.08.2022
Smt. Heena M.S.	Scientist (Horticulture)	Statistics	CPCRI Kasargod	11.08.2022 to 12.08.2022

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