

**KRISHI VIGYAN KENDRA VIJAYAPURA-II (Indi)**

**ANNUAL REPORT- 2021**

**(FOR THE PERIOD FROM 01 January, 2021 TO 31 December, 2021)**



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

## PART I – GENERAL INFORMATION 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 – Krishi Vigyan Kendra, Vijayapura- II, Station Road, Indi -586 209	<b>08359- 200010</b>	<b>08359- 200010</b>	<a href="mailto:kvkindi2016@gmail.com">kvkindi2016@gmail.com</a> <a href="mailto:kvkindi@uasd.in">kvkindi@uasd.in</a> <a href="mailto:kvk.Vijayapura2@icar.gov.in">kvk.Vijayapura2@icar.gov.in</a>	<a href="http://www.indikvk.org">www.indikvk.org</a>

### 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 <a href="http://www.uasd.edu">http://www.uasd.edu</a> Kannada website :http://www.uasd.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. R.B. Negalur Sr. Scientist (Agronomy) and Head,	-	9448495320	kvkindi2016@gmail.com

### 1.4. Year of sanction: 2016

### 1.5. Staff position as on 31 December 2021

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. R. B. Negalur	Senior Scientist and Head	M	Agronomy	Ph.D (Agronomy)	131400 Level 13A	131400	18.08.2017	Permanent	GM
2	Scientist/ SMS	Dr.Savita, B.,	Scientist	F	Soil Science	Ph.D(Soil Science)	57700 Level 10 A	75200	21.02.2017	Permanent	SC
3	Scientist/ SMS	Dr. SantoshShinde	Scientist	M	Animal Science	Ph.D (Veterinary Gynaecology)	57700 Level 10 A	75200	12.04.2017	Permanent	SC
4	Scientist/ SMS	Mrs. Heena, M.S.	Scientist	F	Horticulture	M.Sc (Vegetable Science)	57700 Level 10 A	64900	24.07.2017	Permanent	OBC
5	Scientist/ SMS	Vacant	Scientist	M	Home Science	-	57700 Level 10 A	-	-	-	-
6	Scientist/ SMS	Dr. Syeda Samina Anjum	Scientist	F	Plant Pathology	Ph. D (Plant Pathology)	57700 Level 10 A	75200	28.07.2017	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	50,500	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	-	-	-	-



8	Threshing floor	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	72561 kms	Good and working
Bolero SLE 2WD	2018	7,16,321	1450 hrs	Good and working

**C) Lab equipment & AV aids**

	Name of the equipment	Year of purchase	Cost (Rs.) in lakh	Present status
1	Dell Desktop OptiPlex 5250	2018	1.18	Good and working
2	Hp printer M227 SDN	2018	0.24	Good and working
3	Mike (sound) system	2018	0.31	Good and working
4	Kenstar Cooler	2018	0.26	Good and working
5	Pedestal Fans 400 mm Usha	2017	0.17	Good and working
6	Double door refrigerator 300/311 liters	2017	0.34	Good and working
7	Plastic chairs	2017	0.41	Good and working
8	Visitors chairs ( stainless steel) 3 seat	2017	0.15	Good and working
9	Supply and fixing of notice board of size 4ft x 3 ft round mild steel popes with reverse "V" stand	2018	0.06	Good and working
10	Supply of white writing board size - 4ft x 3 ft	2018	0.03	Good and working
11	Supply and fixing of rotating book magazine display stand: ( made of steel mesh with powder coated pipes fixed to mild steel star base)	2018	0.04	Good and working
12	Supply and fixing news paper reading stand (made of particle boards (2 No's) of size 3'x 2' with 1 inch round mild steel black powder coated pipes with black powder	2018	0.06	Good and working
13	Supply and fixing of Tripod stand (made with 1 inch round mild steel black powder coated pipes with black powder)	2018	0.02	Good and working
14	Supply and fixing of poster / banner display stand made of synthetic cloth size 6 ft x 3 ft fixed with 2 no's of 3 ft, wide clip, 1 inch round mild steel black powder coated pipes with black steel star base)	2018	0.16	Good and working
15	Water Tank	2019	1.20	Good and working
16	LED Projector Casio XJ-VI 2700 lumens resolution and Motorized screen 4 x 6	2017	0.7	Good and working
17	Kyocera digital multifunctional photocopier model: Taskalfa 2201, Duplex network printer	2017	0.98	Good and working
18	Hp Desktop core i5, 44 B RAM, 11B HDD, DVD, R/W, monitor , Keyboard, mouse	2017	0.49	Good and working
19	Hp Desktop core i5, 4GB RAM, 1TB HDD, DVD, R/W, monitor 18.5'', Keyboard, mouse	2018	0.41	Good and working
20	Microtech 2 KV (sinewave) Invertor and tubular amaronbatteries	2018	0.36	Good and working
21	Cannon camera mi-E0S 1300D Body with single lens	2018	0.24	Good and working
22	Computer (Dell optiplex 5250 Alox)	2018	1.18	Good and working
23	Computer tables	2017	0.15	Good and working
24	Computer chairs	2017	0.08	Good and working
25	All in one desktop 8th generation 4 GB RAM screen 21.5 inch windows computer.	2019	0.59	Good and working
26	Executive table (Programme Co-ordinator)	2017	0.17	Good and working
27	Tables (T-9 SMS)	2017	0.76	Good and working
28	Chairs (Semi Executive Revolving mid back)	2017	0.33	Good and working
29	Tables (T-S Programme Assistant)	2017	0.21	Good and working
30	Tables (T-S Programme Assistant)	2017	0.072	Good and working
31	S - Type cane chairs (with arms)	2017	0.37	Good and working

32	S - Type cane chairs (without arms)	2017	0.32	Good and working
33	Alamirah (6 ft x 3ft)	2017	1.2	Good and working
34	Filing cabinet ( 04 compartment)	2017	0.28	Good and working
35	Filling cabinet ( 02 compartment)	2017	0.32	Good and working
36	Drip bundle	2021	0.40	Good and working
37	Filter	2021	0.323	Good and working
38	Dripper	2021	0.75	Good and working
39	Connector	2021	0.10	Good and working
40	T.16mm	2021	0.85	Good and working
41	Vicer	2021	0.10	Good and working
42	G.T	2021	0.10	Good and working
43	MT set-63mm	2021	0.026	Good and working
44	Jet piece set	2021	0.17	Good and working
45	Solvent	2021	0.0235	Good and working
46	Elbow 2 inch	2021	0.0534	Good and working
47	Drip value-63mm	2021	0.0450	Good and working
48	Drip value -75mm	2021	0.0371	Good and working
49	T connector-75mm/63mm	2021	0.0480	Good and working
50	Elbow 75mm	2021	0.102	Good and working
51	T connector-75mm	2021	0.0320	Good and working
52	T connector -90mm 75mm	2021	0.038	Good and working
53	p.v.c pipe	2021	0.810	Good and working
54	2 <sup>1/2</sup> inch pipe	2021	0.23450	Good and working
55	Solid poles	2021	0.70	Good and working
56	Storage racks for chemicals (NMSA)	2021	0.149750	Good and working
57	Intel core laptop (dell)(NMSA)	2021	0.59430	Good and working
58	Micro controller based conductivity meter(NMSA)	2021	0.20	Good and working
59	Micro controller based ph system (NMSA)	2021	0.1850	Good and working
60	Muffle furnace (NMSA)	2021	0.73142.85	Good and working
61	Automatic double water distillation system(NMSA)	2021	0.107428.57	Good and working
62	Chairs for senior scientist and head chamber	2021	0.33238	Good and working
63	T -8 tables	2021	0.190	Good and working
64	Plastic almirah	2021	0.34209.52	Good and working
65	iron racks with 3 floor compartment	2021	0.9476.20	Good and working
66	Curtains	2021	021.066.64	Good and working
67	Dining table	2021	048.542.85	Good and working
68	Beds	2021	083.095.25	Good and working
69	Aquarium with cabin	2021	0.25.169.49	Good and working
70	UV -VIS spectrophotometer (NMSA)	2021	0.3610	Good and working
71	Tub fountain	2021	0.5508.48	Good and working
72	High wall split AC (hitachi)	2021	0.299575.8	Good and working
73	Nandi basawanna sitting metal statues	2021	0.250	Good and working
74	Multi function printer (canon)	2021	0.380	Good and working
75	Intel core laptop (lenovo)	2021	0.67,680	Good and working
76	Unbranded metal beds	2021	0.71,50	Good and working
77	Display all in one pc(acer)	2021	0.66,488	Good and working
78	Display all in one pc (hp)	2021	0.69545	Good and working
79	Trinocular research microscope (NMSA)	2021	0.44286	Good and working
80	Supply of digital vermier caplier(NMSA)	2021	0.150	Good and working
81	Analytical balance (NMSA)	2021	0.3820267	Good and working
82	Angale	2021	0.8250	Good and working
83	Chainlynk mesh	2021	0.8250	Good and working
84	Water purifier RO with water dispenser	2021	0.38135	Good and working
85	Setter cum hatcher	2021	0.73890	Good and working
86	Flour mill (pulversier)	2021	0.68571	Good and working
87	Stainless steel water bath (NMSA)	2021	0.180	Good and working
88	Lithium filter flame photometer (NMSA)	2021	0.60	Good and working
89	Calcium flame photometer (NMSA)	2021	0.60	Good and working
90	Based flame photometer (NMSA)	2021	0.46750	Good and working
91	Kel plus automatic scrubber system(NMSA)	2020	0.1555	Good and working

92	Kel plus automatic block digestion system(NMSA)	2020	4244.50	Good and working
93	GPS type hand held built in antenna (NMSA)	2020	0.44046	Good and working
94	Pouch lamination machine A4 type of laminators(NMSA)	2020	0.7245	Good and working
95	10K W UPS along with battery	2020	0.210593.2	Good and working
96	Mixer grinder	2020	0.4152.54	Good and working
97	Orbital incubator	2020	0.70254	Good and working
98	Hard driver 2TB	2020	0.6650	Good and working
99	Split air conditioner (ATMA)	2020	0.350	Good and working
100	Cool printer	2020	0.6590	Good and working
101	Hp intel core desktop (NMSA)	2020	0.135380	Good and working
102	HP intel core desktop	2020	0.1353380	Good and working
103	Data logger	2019	0.259.250	Good and working
104	Net radio meter	2019	0.259.250	Good and working
105	Steven hydra probe	2019	0.50	Good and working
106	Weather station with telemetry	2019	0.350	Good and working
107	Water tanker	2019	0.89,998	Good and working
108	Kenstar sliminess super cooler with remote	2019	0.8822118	Good and working
109	AWM630 VG microphone	2019	0.710	Good and working
110	15 TPA column speaker	2019	0.620	Good and working
111	Mono amplifier DP a750	2019	0.70	Good and working
112	Ahuja AWM 490	2019	0.60	Good and working
114	Bolero SLE 2WD	2019	0.716321	Good and working
115	John deere india pvt ltd tractor	2018	0.558214	Good and working
116	Precision hot air oven	2018	0.49880	Good and working
117	PH /EC/TDS/slnty meter(PETS)	2018	0.6490	Good and working
118	Vrble mcro ppette 1-5ml fnn ppette	2018	0.26624	Good and working
119	Soil hydrometer (02 no)	2018	0.53100	Good and working
120	Digital magnetic stirrer brand glassco	2018	0.69620	Good and working
121	Canteen regulator and others	2018	0.0472	Good and working
122	Lpg regular stove	2018	0.190	Good and working
123	Canteen stove	2018	0.3126	Good and working
124	Gas and accessories	2018	0.3400	Good and working
125	White writing board having magnetic effect with scratch proof and ceramic finish	2018	0.8135	Good and working
126	Podium made particle boards of 0.75 inch thick having standard dimension for the podium	2018	0.11860	Good and working
127	Quails vehicle (KA-32, M-4042)	2017		Good and working
128	Motorized screen 4*6	2017	0.140	Good and working
129	Induction stove model number: VIC 10 induction with cook	2017	0.2794	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
03.01.2022	40	It is suggested to recommend the crops to farmers suitable for sowing after redgram as there is facility of canal water till march		
		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.		
		As the area under Ajwain crop is 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		
		Suggestions were made to visit Ajwain institute by KVK, Indi Scientist.		
		Cultivation of super Napier and other grasses/fodder varieties at KVK to promote among the farmers		
		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.		
		It is suggested to adopt technologies developed by National Pomegranate Research, Institute Solapur on nutrient management using <b>sonar</b> a product containing potassium and phosphorus and also a new variety Solapur laal can be tried at Indi jurisdiction.		
		Updating of website of KVK should be done at the monthly interval		
		It is suggested to give impact of KVK in terms of economy, use of social media and departments for image building		
		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 fundor loan from KVK, Vijayapura can be utilized by the approval of Vice Chancellor, UAS, Dharwad.		

## 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 and 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	<p><b>Rainfall</b> : Vijayapura district is characterized by the lowest rainfall in Karnataka state with an average rainfall of 579.0 mm. The district comprises five talukas namely BasavanaBagewadi, Vijayapura, Muddebihal, Indi,Sindagi. The five talukas receive rainfall between 565 to 635 mm. About 60 per cent of the annual rainfall is received in the normal monsoon season (June-September), 14 per cent in the pre monsoon (April-May) and about 23 per cent in the post monsoon months (October-November) generally the remaining months are dry.</p> <p><b>Temperature:</b>The mean monthly maximum temperature varies from 29.3 °C (December) to a maximum of 39.0 °C (May). The mean monthly minimum temperatures are lowest (15.5 °C) during January, which increases gradually to maximum of about 23.3 °C (May).</p> <p><b>Relative Humidity:</b> 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.</p> <p><b>Wind velocity:</b> 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)</p>

S. No	Agro ecological situation	Characteristics
1.	Rainfed cropping in Monsoon ( <i>Kharif</i> )	<p>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 <i>kharif</i> 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</p> <p><b>Tqs:</b> B. Bagewadi, Indi, Sindgi and Vijayapura</p> <p><b>Crops:</b>Bajra, greengram, redgram, sunflower, onion and groundnut</p>
2	Rainfed cropping in Monsoon ( <i>Rabi</i> )	<p>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.</p> <p><b>Tqs:</b> B. Bagewadi, Muddebihal, Sindgi and Vijayapura</p>



		<b>Crops:</b> <i>Rabi</i> sorghum, bengalgram 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
4	Medium deep black soil with <i>kharif</i> irrigation	Tqs: B. Bagewadi Crops: Onion, maize, cotton and redgram
5	Red soil and shallow soils with <i>kharif</i> irrigations	Tq: Indi Crops: Groundnut
6	Medium to deep black soil with <i>rabi</i> irrigation	Tqs: B. Bagewadi, Indi, Sindgi Crops: Wheat and Onion
7	Cropping with biseasonal irrigation	Tqs: Indi and Vijayapura Crops: Cotton and redgram
8	Cropping with perennial irrigation	Tqs: Indi, Sindgi and Vijayapura Crops: Sugarcane, grape, pomegranate, banana and lime

### 2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Shallow black soil	Shallow black soils are generally present in Indi, Sindagi and Vijayapuratalukas and to some extent in Bagewadi and Muddebihaltalukas. The clay content of these soils is around 40 percent with moderate infiltration rate. The available water holding capacity of these varies between 3-4 cm per 30 cm soil depth. These soils generally belong to land capability class between III and IV.	2,62,586
2	Medium black soils:	Medium deep black soils occur predominantly in Bagewadi, VijayapuraandSindagitalukas. These soils have clay content around 50 per cent with low to moderate infiltration rate. Generally, they belong to land capability class between II and III. The available water holding capacity of these soils is around 5 cm per 30 cm	4,01,737
3	Deep black soils	Deep black soils predominately occur in Muddebihal, Vijayapura and B.Bagewaditalukas. The clay content of these soils is around 60 per cent and hence have very low infiltration rate. In general, these soils fall under land capability class-II. Post – monsoon cropping is most common on 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	<p>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.</p>	20,230
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## 2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
	<b>Crop production</b>			
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 ( <i>Rabi</i> )	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
	<b>Fruit crops</b>			
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)
	<b>Vegetable crops</b>			
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)
	<b>Spice crops</b>			
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)
	<b>Plantation crops</b>			
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
	<b>Flower crops</b>			
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)
	<b>Medicinal and Aromatic plants</b>			
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)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January 2021	10.2	30.9	15.9	82
February 2021	0.0	31.7	15.3	64
March 2021	0.0	36.5	19.9	53
April-2021	35.9	37.6	22.5	66
May-2021	65.7	36.1	23.4	81
June-2021	60.2	32.3	22.0	88
July-2021	146.4	30.2	21.9	90
August-2021	67.7	30.6	21.4	89
September-2021	161.7	29.6	21.3	91
October-2021	33.2	31.8	19.9	85
November-2021	24.4	29.6	19.0	88
December-2021	27.4	28.8	15.0	90

\* Agro Meterolocial Station, RARS. Vijayapur

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	1203	1600 tons milk	4.34 lit/day /animal
<i>Indigenous</i>	278582	40,000 tons milk	1.52 lit/ day /animal
<b>Buffalo</b>	191438	59,000 tons milk	1.60 it/ day /animal
<b>Sheep</b>			
<i>Crossbred</i>	336015	75 tones meat	18kg mutton /animal
<i>Indigenous</i>	451980	80 tones meat	16 kg chevon /animal
<b>Goats</b>			
<b>Pigs</b>	32	NA	6 kg/ animal
<i>Crossbred</i>	27114	NA	6 kg/ animal
<i>Indigenous</i>	600	NA	
<b>Rabbits</b>	346372	-	-
<b>Poultry</b>			
Hens	36400	86 lakh eggs	238 eggs/bird
<i>Desi</i>	-	-	-
<i>Improved</i>	-	-	-
Ducks			
Turkey and others			
<b>Category</b>	<b>Area</b>	<b>Production</b>	<b>Productivity</b>
Fish			
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

\* Source: Cattle census report 2011-12

2.7 District profile maintained in the KVK has been **Updated** for 2021: **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	Indi-Block	Indi	Bairunagi-Village	02 year	<p>Redgram (Rainfed. &amp; irrigated)-23 ha</p> <p>Chickpea (Rainfed)-12 ha.</p> <p>Maize (K) Irrigated-20 ha.</p> <p>Wheat (irrigated) —12 ha</p> <p>Groundnut (Rainfed)-12 ha</p> <p>Cotton-(irrigated) -25 ha</p> <p>Onion -06 ha</p> <p>Lime-27 ha</p> <p>Pomegranate - 08 ha</p> <p>Chilli -2.4 ha</p> <p>Watermelon -3 ha</p> <p>Tomato - 2 ha</p>	<p>Lack of Knowledge about storage practices</p> <p>Low yield due to non-branching (10 %)</p> <p>Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space &amp; organic waste</p> <p>Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity</p> <p>Wilt/ dry root rot and pod borer (60%)</p> <p>Moisture stress (40%)</p> <p>Mono-cropping (25 %)</p> <p>Low yielding lodging varieties (45%)</p> <p>Rust (10%)</p> <p>Pod borer (30%)</p> <p>Dry root rot/wilt (20-30%)</p> <p>Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition</p> <p>Fall Army worm (50%)</p> <p>No use of bio- fertilizers, Delay maturity due to S deficiency,</p> <p>Ca deficiency causes groundnut pegs and pods to abort and reduced yield</p> <p>Micronutrient deficiency (20%), Canker (40%)</p> <p>Gummosis and die back (10%)</p> <p>Blight (30%)</p> <p>Wilt (30%)</p> <p>Fruit sucking moth (25-30%)</p> <p>Low yielding private varieties (30%)</p> <p>Non availability of season specific varieties</p> <p>Rotting (15%), sucking pests (20%)</p> <p>Non-application of sulphur</p> <p>15-20 % of storage losses</p>	<p>Group meeting</p> <p>Training</p> <p>FLD &amp; Field day</p>

						Flowering and fruit set is poor due to deficiency of micronutrients Yield and quality of fruit is low Low yield and inferior quality Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%) Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less.	
				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
				Post-harvest, Nutrition Security, Drudgery reducing tools and value addition	Post-harvest, Nutrition Security, Drudgery reducing tools and value addition	Lack of knowledge on value addition (75%) Unaware of new processing equipment's Post-harvest losses, Low prevailing market price Lack of Knowledge about storage practices Low yield due to non-branching (10 %) Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space & organic waste Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity	Group meeting Training FLD & Field day
2)	Sindagi-Block	Sindagi	Navadagi Village		Redgram - 320 ha Wheat (Rainfed)- 40 ha Chickpea (Rainfed)- 240 ha.	Wilt/ dry root rot and pod borer (60%) Moisture stress (40%) Mono-cropping (25 %) Low yielding lodging varieties (45%) Rust (10%) Pod borer (30%) Dry root rot/wilt (20-	Group meeting Training FLD & Field day

				02 year	<p>Cotton – 300 ha Maize (K) Irrigated-10 ha. Groundnut (Rainfed)-160ha Lime -20 ha Pomegranate -12 ha Onion -28 ha Tomato –4 ha Chilli –20 ha Watermelon-8 ha Livestock &amp; poultry Fisheries Post-harvest and value addition</p>	<p>30%) Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition Fall Army worm (50%) No use of bio- fertilizers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield Micronutrient deficiency (20%), Canker (40%) Gummosis and die back (10%) Blight (30%) Wilt (30%) Fruit sucking moth (25-30%) Low yielding private varieties (30%) Non availability of season specific varieties Rotting (15%), sucking pests (20%) Non-application of sulphur 15-20 % of storage losses Flowering and fruit set is poor due to deficiency of micronutrients Yield and quality of fruit is low Low yield and inferior quality Murda complex (35%) Powdery mildew infestation (10%) Sucking pest (35%) Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less.</p>	
				01 year	<p>Livestock &amp; poultry</p>	<p>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</p>	<p>Group meeting Training FLD &amp; Field day</p>
				02 year	<p>Fisheries</p>	<p>Lack of knowledge on fish rearing in farm ponds Low Yield, Problem of fish catching birds Lack of knowledge on feeding practices</p>	<p>Training FLD &amp; Field day</p>



				02 year	Post-harvest and value addition	<p>Lack of knowledge on value addition (75%)  Unaware of new processing equipment's  Post-harvest losses, Low prevailing market price  Lack of Knowledge about storage practices  Low yield due to non-branching (10 %)  Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space &amp; organic waste  Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity</p>	Group meeting Training FLD & Field day
3.	Chadchana block	Chadachana	Manankalagi Village	02 year	<p>Redgram - 1155 ha  Maize (K) Irri- 580 ha.  Wheat (irrigated)- 575 ha  Chickpea (Irri.)-1444 ha.  Groundnut (Rainfed)- 288 ha  Sugarcane (Irri.) - 150 ha  Lime-230 ha  Pomegranate -58 ha  Onion - 58 ha  Tomato – 144 ha  Watermelon- 28 ha  Chilli – 56  Grape – 55</p>	<p>Pod borer (45%)  SMD (30%)  Dry root rot (30 %)  Fall Army worm (75%)  Root grub (25%)  Micronutrient deficiency  Low yield (55%)  Rust (30%)  wilt (30%)  Pod borer (20%)  Dry root rot (30%)  No use of bio- fertilizers, Delay maturity due to S deficiency,  Ca deficiency causes groundnut pegs and pods to abort and reduced yield  Planting material  Stem borer (16 %)  Wooly Aphid (33%)  Micro nutrient deficiency (10%)  Canker (40 %), Die back (10 %)  Wilt (10%), Sucking pests (25 %)  Blight (30%)  Wilt (30%)  Fruit sucking moth (25-30%)  Low yielding private varieties (30%)  Rotting (15%)  Sucking pests (20%)  Non-application of sulphur  15-20 % of storage losses  Flowering and fruit set is poor due to deficiency of micronutrients  Yield and quality of fruit is low  Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous,</p>	Group meeting Training FLD & Field day

						<p>yield, quality of fruit is less.</p> <p>Low yield and inferior quality</p> <p>Murda complex (35%)</p> <p>Powdery mildew infestation (10%)</p> <p>Sucking pest (35%)</p> <p>Powdery mildew (20%)</p> <p>Stem borer (25%)</p> <p>Micro nutrient deficiency (10%)</p>	
				02 year	Livestock & poultry	<p>Scarcity of green fodder during summer</p> <p>Lack of knowledge on silage preparation</p> <p>Low quality fodder</p> <p>Low milk yield and reduced conception rate</p> <p>Slow growth rate in growing goats</p> <p>Post partum complications in Dairy animals</p> <p>Lower Egg laying rate, Chick mortality</p>	FLD, Training Programmes, Method demonstrations, Field Visits, field days and FFS
				02 year	Fisheries	<p>Lack of knowledge on fish rearing in farm ponds</p> <p>Low Yield, Problem of fish catching birds</p> <p>Lack of knowledge on feeding practices</p>	FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days
				02 year	Post-harvest and value addition	<p>Lack of knowledge on value addition (75%)</p> <p>Unaware of new processing equipment's</p> <p>Post-harvest losses, Low prevailing market price</p> <p>Lack of Knowledge about storage practices</p> <p>Low yield due to non-branching (10 %)</p> <p>Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space &amp; organic waste</p> <p>Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity</p>	FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days

## 2.9 Priority thrust areas

S. No	Thrust area
1.	• <b>Maize</b> : Fall army worm, Non application of micronutrients
2.	• <b>Fodder crop</b> : Scarcity of fodder and low milk yield
3.	• <b>Rabi Sorghum</b> : Low yield and moisture stress at maturity stage
4.	• <b>Pigeon pea</b> :Low yielding varieties, wilt and pod borer , pod fly and webber.
5.	• <b>Chickpea</b> : Non availability of high yielding wilt/dry root rot tolerant varieties and pod borer menace
6.	• <b>Dicoccum wheat</b> : Low yielding varieties, lodging, leaf blight and rust
7.	• <b>Wheat</b> : Non availability of high yielding varieties public varieties, lodging, Rust and leaf blight
8.	• <b>Groundnut</b> : 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
9.	• <b>Cotton</b> : Leaf reddening, pink boll worm, sucking pest& lack of knowledge about foliar nutrition
10.	• <b>Chilli</b> : Low yield, inferior quality, local variety / private hybrids, pest and disease incidence
11.	• <b>Tomato</b> : Non adoption of disease resistant and high yielding hybrids. Incidence of TOLCV, Early blight, Bacterial wilt
12.	• <b>Onion</b> : Non availability of improved variety, Low yield due to local varieties, purple blotch, thrips incidence and rotting
13.	• <b>Watermelon</b> : Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less.
14.	• <b>Millets</b> : Unaware of high yield millet varieties
15.	• <b>Fisheries</b> : Augmentation of income of farmers.



													No.	Kg
1	ICM	Okra	Inferior quality of fruits, YVMV incidence and Low yield	Assessment of Bhendi hybrids for adoptability in Vijaya pura District	-	01	01		Field visit: 03	Seeds - 10kg Vegetable special 10kg				
2	Vari intro	Ajwain	Delay in monsoon (Failure of kharif rainfall condition)	Assessment of Ajwain varieties	-				Field visit: 03	Seeds - 10kg				
3	IDM	Pomegranate	wilt	Wilt management in Pomegranate	-	01			Field visit: 04	Propiconazole 200 ml Chloropyrifos 1 litre /demo			Arka microbial consortia Trichoderma Pseudomonas Paecilomyces	5 kg/demo 4 kg each
4	IDM	Chickpea	Dry root rot and poor yield	Assessment of chickpea varieties for wilt and dry root rot	-	01	01		Field visit: 06	JG11-10Kg BGD103-10 Kg NBeG-10 Kg 5 Demos				
5	Solar operated nipping (young tip/shoot collector)	Chickpea	Low yield due to non-branching (10%)	Assessment of Nipping tools in Chickpea	-	01	-	-	Field visit: 02	Nipping machine (young tip/shoot collector)				
6	ICM	Onion	<ul style="list-style-type: none"> <li>Non-application of sulphur</li> <li>15-20% of storage losses</li> </ul>	Assessment of sulphur application in onion		01			Field visit: 10				-Sulphur	-12.5
7	IDM	Onion	<ul style="list-style-type: none"> <li>Low yield of onion (20-30%) due to</li> <li>Foliar diseases</li> </ul>	Assessment of foliar disease /Twisting disease in onion		02			Field visit: 04				Trichoderma Pseudomonas Boron Neem cake	3 Kg each 6 Kg 200 Kg

8	Variety Introduction	Wheat	Non availability of high yielding public varieties and rust		Demonstration of wheat variety UAS-304	02	-	-	Field visit-04 Field day-01	60 Kg			Azospirillum and PSB	1200 g
9	Variety Introduction	Wheat	• Low yielding varieties, lodging and rust •		Demonstration of dicoccum wheat variety DDK-1029	02	-	-	Field visit-03	60 Kg				
10	Variety Introduction	Chickpea	•							25 Kg			PSB Trichoderma Chickpea special	50 50 50 400
11	Hybrid introduction	Chili	Low yield, inferior quality, private hybrid, incidence of Murda complex		Chilli hybrid Arka Khyati	01			Field visit: :05 Field day : 01	Seeds-250g Vegetable special - 5kg				
12	ICM	Onion	Non availability of season specific variety, Low yield and thrips incidence.		Onion variety Bhima Shakti during Rabi	01		-	Field visit: 05	20 kg seeds				
13	ICM	Lime	Flower regulation and Micronutrient, pest and disease management		ICM in Lime	01	-	01	Field visit: 04	60 kg citrus special Lihocin - 10lit				
14	IPDM	Lime	Citrus canker, Leaf Miner		Management of Citrus canker and leaf miner	02	01	-	Field visit: 03				<i>Pseudomonas</i> liquid @ 5 ml/L  neem oil 1500 PPM	1000 ml  1000 ml
15	IDM	Pomegranate	Bacterial blight, wilt and thrips incidence		IPDM in Pomegranate	01	-	01	Field visit: 04	-				

16	IDM	Chilli	High incidence of murda complex with low yield and inferior quality		Management of Chilli Murda Complex	01 (on and off campus)			Field Visit 03					
17	IPM	Pomegranate	Fruit sucking moth, improper management		Management of fruit sucking moth in pomegranate	01			Field Visit :5 Field day 01	Sanitation, Light traps (1 solar light trap/acre) + Melathion 2 g/trap + molasses, neem based insecticide and need based insecticide				
18	IPM	Maize	Incidence of fall army worm, low yield		Management of FAW in Maize	02 (on and off campus)			Field Visit 10 Field day: 1	Sleeve Traps @ 12 no. per acre. Spray of Emamectin benzoate 5 EC @ 0.25 g/l of water, chlorantriliprol 0.2 ml per litre water spray, use of poison bait				
19	INM	Groundnut	<ul style="list-style-type: none"> <li>Lack of use of bio-fertilisers,</li> <li>Delay maturity due to S deficiency,</li> <li>Ca deficiency causes groundnut pegs and pods to abort and reduced yield</li> </ul>		Sulphur Management in Groundnut (G2-52 variety)	01	-	-	Field visit: 3	G2-52 60 kg pods	-	-	Bio cultures (Rhizobium, PSB and Trichoderma) Ferrous sulphate Zinc sulphate	-1 kg each 10 kg 10 kg
20	INM	Watermelon	Flowering and fruit set is poor due to deficiency of Boron in melons, yield, quality of fruit is less.		Management of boron deficiency in watermelon	-	-	-	Field visit: 2	-	-	-	-Boric acid (17% B) Salicylic acid Sticky traps Fipronil	60 g 100 g 8 nos 500ml
21	Feed and Fodder management	Livestock	Low milk yield, lack of balanced green fodder		Perennial supply of green fodder model	01	-	-	Field Visit 06 Field day: 01	Co-5 stem cuttings, Lucerne, CoFs-31	-	-	-	-

22	Feed and Fodder management	Silage	Low milk yield, Scarcity of fodder during summer, Lack of knowledge on silage		Demonstration on preservation of green fodder in the form of silage using silo bag	01			Field Visit 02	Silo bags				
23	Value addition	Foxtail Millet	Low income realization due to lack of knowledge on processing, value addition, labeling, packaging and branding	-	Foxtail millet variety DHFT-109-3 processing and value addition for health mix	01	01		Field Visits 03	Seeds and Packaging materials	-	-	-	-
24	Drudgery Reduction	Pigeonpea	Low yield due to less branching	-	Demonstration of solar operated Nipping machine in Pigeonpea	01	-	-	Field Visits 02	Nipping machine	-	-	-	-
25	Fishery	Composite fish farming	Lack of knowledge on fish rearing, poor weight gain, high mortality, Bird menace		Composite fish farming in storage ponds	01			Field Visit 06	Fish fingerlings 1000 no. Catla: Rohu common carps 2:1:2				
26	Varietal Introduction	Pigeonpea	Low yielding varieties, wilt and dry root rot susceptible variety and incidence of pod borer and podfly		Introduction of GRG-811 in Pigeonpea	01	01		Field Visit 06 Field day 01	5 Kg			Biofertilizer	1 Kg

### 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.	Assessment of Ajwain varieties	NRCSS, Ajmer, Rajasthan	Ajwain	OFT	-	-	Field visits
2.	Assessment of Bhendi hybrids for adoptability in Vijayapura district	IIHR, Bengaluru	Bhendi	OFT	-	01	Training
3.	Assessment of Sulphur application in onion	DOGR, Pune and NHRDF, Nasik	Onion	OFT	-	01	Training



4.	Assessment of chickpea varieties for wilt and dry root rot	UAS, Dharwad UAS, Raichur ANGRAU, Guntur	Chickpea	OFT	-	01	Field visits
5.	Wilt management in Pomegranate	IIHR, Bengaluru NRC, Pomegranate	Pomegranate	OFT	-	01	Field visits
6.	Assessment of foliar diseases/Twisting diseases in onion	DOGR Pune, Adhoc recommendation of UAS, Dharwad.	Onion	OFT	-	02	Field visits
7.	Assessment of nipping tools in chickpea	UAS, Raichur	Chickpea	OFT	-	01	Field visits
8.	Wheat variety UAS-334	UAS, Dharwad	Wheat	-	FLD	1	Training
9.	ICM in Dicoccum Wheat and value addition	UAS, Dharwad	Dicoccum Wheat	-	FLD	1	Training
10.	Sulphur Management in Groundnut (G2-52 variety)	UAS, Dharwad	Ground nut	-	FLD	1	Training
11.	Management of boron deficiency in watermelon	IIHR, Bengaluru	Watermelon	-	FLD	1	Training
12.	Onion variety Bhima Shakti during Rabi	DOGR, Rajgurunagar	Onion	-	FLD	0	Training
13.	Management of citrus canker and leaf miner in lime	UAS, Dharwad and NRC Nagpur	Lime	-	FLD	1	Field Day/ Training
14.	Perennial green fodder supply model : as a model	IGFRI, Dharwad TNAU, Coimbatore	Fodder	-	FLD	1	Field Day/ Training
15.	Chili hybrid Arka Kyathi	IIHR, Bengaluru	Chilli	-	FLD	1	Field Day
16.	Management of leaf reddening and pink bollworm cotton	UAS, Dharwad	Cotton		FLD	1	Field day
17.	Foxtail millet variety DHFt-109-3processing and value addition for health mix	UAS, Dharwad	Foxtail millet	-	FLD	1	Training
18.	Demonstration of solar operated Nipping machine in Pigeonpea	UAS Raichur	Pigeonpea	-	FLD	1	Training
19.	Management of fruit sucking moth in pomegranate	UAS Raichur, UHS Bagalkot	Pomegranate		FLD	01	Training/field day
20.	Management of FAW in Maize	UAS, Dharwad	Maize		FLD	02	Field Day/ Training (on and off campus), Field visits
21.	Demonstration on preservation of green fodder in the form of silage using silo bags	KVAFSU, Bidar	Fodder (Silage)	-	FLD	02	Training
22.	Composite fish farming in storage ponds	KVAFSU, Bidar	Fishes	-	FLD	01	Training
23.	Introduction of GRG-811 in Pigeonpea	UAS Dharwad and Raichur	Pigeonpea	-	FLD	01	Field Day/ Training

24.	Management of SMV and pod fly in redgram	UAS Dharwad	Redgram	-	FLD	01	Training
25.	Demonstration of GRG-811 and drudgery reduction by using spiral grader	UAS Dharwad and Raichur	Redgram	-	FLD	01	Training
26.	Bengalgram variety JAKI-9218	UAS Dharwad	Bengalgram	-	FLD	01	Training

## 3.B2 contd..

	No. of farmers covered																
	OFT				FLD				Training				Others (Specify)				
	General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1.	04	0	01	0	0	0	0	0	0	18	0	0	0	0	0	0	0
2.	04	0	01	0	0	0	0	0	0	25	04	2	0	0	0	0	0
3.	05	0	01	0	0	0	0	0	0	25	0	5	0	0	0	0	0
4.	04	01	0	0	0	0	0	0	0	30	0	0	0	65	0	0	0
5.	03	0	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	05	0	01	0	0	0	0	0	0	20	02	05	02	0	0	0	0
7.	04	0	01	0	0	0	0	0	0	15	02	10	02	0	0	0	0
8.	0	0	0	0	10	0	1	0	18	0	0	0	0	0	0	0	0
9.	0	0	0	0	10	0	0	0	25	04	2	0	0	0	0	0	0
10.	0	0	0	0	06	0	0	0	25	0	5	0	0	0	0	0	0
11.	0	0	0	0	05	0	1	0	30	0	0	0	65	0	0	0	0
12.	0	0	0	0	07	1	2	0	27	0	4	0	1	1	0	1	1
13.	0	0	0	0	08	1	1	0	20	4	04	02	1	2	1	1	1
14.	0	0	0	0	07	0	1	0	12	4	2	1	1	2	1	1	1
15.	0	0	0	0	06	0	0	0	27	0	4	0	1	1	0	1	1
16.	0	0	0	0	05	0	1	0	29	0	0	0	0	0	0	0	0
17.	0	0	0	0	05	0	0	0	21	0	0	0	0	0	0	0	0
18.	0	0	0	0	05	0	1	0	18	0	0	0	42	0	0	0	0
19.	0	0	0	0	04	0	0	0	18	0	0	0	42	0	0	0	0
20.	0	0	0	0	08	0	1	0	30	0	0	0	65	0	0	0	0
21.	0	0	0	0	9	0	1	0	30	0	0	0	65	0	0	0	0
22.	0	0	0	0	9	0	1	0	27	0	4	0	1	1	0	1	1
23.	0	0	0	0	08	0	2	0	20	4	04	02	1	2	1	1	1
24.	0	0	0	0	09	0	1	0	12	4	2	1	1	2	1	1	1
25.	0	0	0	0	09	0	1	0	18	2	1	2	1	1	1	1	1
26.	0	0	0	0	04	0	1	0	27	0	4	0	1	1	0	1	1



Technology										
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Cropping Systems										
Farm Mechanization										
Mushroom cultivation										
Others										
<b>Total</b>										

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

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

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

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

### 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 Varietal Evaluation	Onion	Assessment of sulphur application in onion	06	05/02	2.0
	Ajwain	Assessment of Ajwain of varieties	05	05/03	2.0
	Bhendi	Assessment of Bhendi hybrids for adoptability in Vijayapura district	05	05/03	2.0
Integrated Pest Management					
Integrated Crop Management					

Integrated Disease Management	chickpea	Assessment of chickpea varieties for wilt and dry root rot	05	05/02	2.0
	pomegranate	Wilt management in Pomegranate	04	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	Chickpea	Assessment of solar operated nipping (young tip/shoot collecting) machine for Chickpea	05	05/02	2.0
Storage Technique					
Mushroom cultivation					
<b>Total</b>			<b>34</b>	<b>33/17</b>	<b>13.6</b>

#### 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					
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					

Integrated Farming System					
Seed / Plant production					
Post Harvest Technology/Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Cropping Systems					
Farm Mechanization					
Others, Pl specify					
<b>Total</b>					

#### 4.B.3. Technologies assessed under Livestock

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/locations
Evaluation of breeds				
Nutrition management				
Disease management				
Processing and Value addition				
Production and management				
Feed and fodder management				
Small scale income generating enterprises				
Others, pl. specify				
<b>Total</b>				

#### 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
Evaluation of breeds				
Nutrition management				
Disease management				
Processing and Value addition				
Production and management				
Feed and fodder management				
Small scale income generating enterprises				
Others, pl. specify				
<b>Total</b>				

#### 4.B.5. Technologies 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	Chickpea	Assessment of solar operated nipping (young tip/shoot collecting) machine for Chickpea	05	02
2	Entrepreneurship Development				
3	Health and nutrition	Vegetables	Nutri garden	20	03
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. Technologies 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	Farmin g 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
Onion	Irrigated	Non-applicat ion of sulphur and 15-20 % of storage losses	Assessment of sulphur application in onion	06	TO1: Farmer practice	--	14.6	t/ha	8.0 cm bulb diameter		375441	317078	6.45
					TO2 : NPKS : 110:40:60:20 kg / ha and Azospirillum and PSB @ 5 kg each/ha	DOGR, Pune	16.2	t/ha	9.4 cm bulb diameter		435533	375683	7.30
					TO3: NPKS : 100:50:50:30 kg/ha and Azotabactor and PSB @ 5 kg each/ha	NHRDF, Nasik	17.4	t/ha	10.4 cm bulb diameter		484166	423701	8.01
Chickpea	Irrigated	wilt and dry root rot	Assessment of chickpea varieties for wilt and dry root rot	05	TO1= JG-11	UAS-Raichur, UAS-Dharwad , ANGRAU Guntur	11.54		11.00 % dry root rot	5.00 % Wilt	48,468	31,193	2.80
					TO2=BGD 103		13.25		8.50% dry root rot	3.40 % Wilt	55,650	40,025	3.56
					TO3=NBeG-47		14.00		6.20% dry root rot	2.54 % Wilt	58,800	43,350	3.80
Chickpea	Rainfed	Low yield due to non-branching (10 %)	Assessment of solar operated nipping (young tip/shoot collecting) machine for Chickpea	05	TO-1 Without nipping	-	10.50	q/ha	60.6 No of pods/plant	14.20 No of branches	48,300	28,400	2.43
					TO-2 Hand Nipping	Farmers practice	11.42	q/ha	67.2 No of pods/plant	16.60 No of branches	52,532	29,632	2.29
					TO-3 Solar operated nipping machine	UAS, Raichur	12.30	q/ha	73.4 No of pods/plant	18.40 No of branches	56,580	35,680	2.71
Pomegranate	Irrigated	wilt	Wilt management in Pomegranate	04	TO1= Chloropyriphos 2ml/L drenching		10.90	t/ha	42.56 Rotted fruits/plant	Wilt 19.12	1,44,280	2,91,720	3.02
					TO2=	UHS,	12.22	t/ha	29.80	Wilt	1,48,98	3,39,818	3.28

					Carbendazim 50WP @ 2g/L +Chlorophyriphos 20EC@ 4ml/L drenching.	Bagalkot			Rotted fruits/plant	14.38	2		
					TO3= Arka microbial consortia @ 12.5 kg/ha along with FYM	IIHR, Bengaluru	13.69	t/ha	26.52 Rotted fruits/plant	Wilt 11.20	1,35,500	4,12,100	4.04
					TO4= Application of <i>Trichoderma</i> + <i>Pseudomonas</i> + <i>Paecilomyces</i> enriched FYM @ 15-20g/plant. Propiconazole @ 1.5ml/L+ Chlorophyriphos 20EC@4ml/L water drenching around plants	NRC, Pomegranate Solapur	15.08	t/ha	Rotted fruits/plant 25.43	Wilt 10.32	1,46,500	4,56,700	4.12
<b>Onion</b>	<b>Irigated</b>	foliar diseases /Twisting disease in Onion	Management of foliar diseases/ Twisting disease in Onion	05	TO 1: Spraying with mixture of pesticides	Farmers Practice	7.00			39.00	105000	50000	1.90
				Module 1- DOGR, Rajgurunagar, Pune	TO 2: Seed treatment with <i>Trichoderma</i> sp @ 6 g/kg seed Seedling root dipping (0.25% carbosulfan 25 EC + 0.1 % carbendazim 50 WP) Foliar spray of insecticides like profenophos 1ml/L or Fipronil 1ml/L Foliar spray of fungicide hexaconazole or Propiconazole (0.1%)		11.80			24.00	212400	161800	4.19

				Module 2- Adhoc recommendation UAS, Dharwad	TO3: Soil application of Neem cake 5 q/ha+ Trichoderma harzianum 5 kg/ha with 100kg of farm yard manure (FYM)/hectare Seed treatment with Carbendazim @ 2g/kg and seedling dip with Pseudomonas fluorescens @ 10 g/l Foliar spraying with Boron @ 2g/l, Multi K @ 5g/l, Hexaconazole @ 0.1 % and Fipronil 1ml/L at 30 DAS		13.20			19.00	264000	218600	5.81
Ajwain	Rainfed	Delay in monsoon (Failure of kharif rainfall condition)	Assessment of Ajwain varieties	05	TO1: Kadapa (FP)	Local variety	8.48	q/ha	71 Days to 50 % flowering (days)		1,27,200	1,59,150	1,45,050
					TO2: AA-1	NRCSS, Ajmer, Rajasthan	10.61	q/ha	64 Days to 50 % flowering (days)		84,927	1,17,500	1,03,186
					TO3: AA-93	NRCSS, Ajmer, Rajasthan	9.67	q/ha	67 Days to 50 % flowering (days)		3.01	3.82	3.46
Okra	Irrigated	Existing hybrids are low yielding	Assessment of Bhendi hybrids for adoptability in Vijayapura District	05	TO1: Pvt. Hybrid	Private hybrid	17.1	t/ha	13 Fruit length in cm		3,07,800	1,83,010	2.46
					TO2: CoBH-4	TNAU, Tamilnadu	18.21	t/ha	14 Fruit length in cm		3,27,780	2,08,072	2.74
					TO3: Arka Nikita	IIHR, B	18.78	t/ha	13.5 Fruit length in cm		3,38,040	2,19,692	2.86

#### 4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of sulphur application in onion	<ul style="list-style-type: none"> <li>Application of 40 kg Sulphur per ha reduces rotting of onion bulbs.</li> <li>Yields increases 10-15 %.</li> <li>Storage life enhanced from 12 days to 14 days</li> </ul>	
Assessment of chickpea varieties for wilt and dry root rot	<ul style="list-style-type: none"> <li>Variety NBeG-47 fetches more number of pods per plant and</li> <li>yield increase</li> <li>Less disease incidence</li> <li>Small sized seeds preferred by local farmers</li> </ul>	<ul style="list-style-type: none"> <li>Easy availability of NBeG-47 variety is the constraint</li> </ul>
Wilt management in Pomegranate	<ul style="list-style-type: none"> <li>Recovery of the plants showing wilting symptoms</li> <li>Yield increase</li> <li>More number of fruits bearing and plant growth</li> </ul>	
Management of foliar diseases/Twisting disease in Onion	Soil application of Neem cake 5 q/ha+ <i>Trichoderma harzianum</i> 5 kg/ha with 100kg of farm yard manure (FYM)/hectare and Seed treatment with Carbendazim @ 2g/kg and seedling dip with <i>Pseudomonas fluorescens</i> @ 10 g/l , 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 compare to other module.	<ul style="list-style-type: none"> <li>The recommendation is complex, hence farmers expressed difficulty in practising.</li> </ul>
Assessment of solar operated nipping (young tip/shoot collecting) machine for Chickpea	<ul style="list-style-type: none"> <li>Useful for nipping young shoots</li> <li>It is solar operated no need of any electricity for charging</li> <li>A single man can complete one acre of nipping in a day</li> <li>At present it covers only one row hence time taken to complete will be more</li> </ul>	<ul style="list-style-type: none"> <li>Farmers hesitate to purchase the nipping tool</li> </ul>
Assessment of Ajwain varieties	<ul style="list-style-type: none"> <li>Very well suited for late Kharif condition</li> <li>Demand is more and so also the market price</li> <li>Harvesting is quite cumbersome</li> </ul>	<ul style="list-style-type: none"> <li>There is no standard package of practice for ajwain and also non availability of harvesting machine.</li> </ul>
Assessment of Bhendi hybrids for adoptability in Vijayapura District	<ul style="list-style-type: none"> <li>The hybrids are very tender and are tolerant to diseases</li> </ul>	<ul style="list-style-type: none"> <li>Seed availability during the season is the constraint</li> </ul>
Management of wilt in lime	<ul style="list-style-type: none"> <li>The technology is simple and can be practiced by the farmers</li> </ul>	-

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

1. Title of Technology Assessed :
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 and feedback received
6. Feedback on usefulness and constraints of technology

#### 4.D1. Results of Technologies Refined

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

#### 4. D2. Feedback on technologies refined

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

##### 4.D.2. Details of Technologies refined:

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

**PART V - FRONTLINE DEMONSTRATIONS****5.A. Summary of FLDs implemented**

Sl. No.	Category	Farming Situation	Season	Crop	Variety / breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
	Oilseeds													
		Irrigated	Summer	Groundnut	G2-52		Sulphur Management in Groundnut (G2-52 variety)	Seed treatment with bio-cultures, Pre-emergence herbicide (Pendimethalin). Zinc sulphate and ferrous sulphate @ 25 kg/ha each, gypsum application @ 500 kg/ha, hostathion for leaf minor.	2.4	2.4	2	4	2	4
	Pulses	Rainfed	Rabi	Chickpea	JAKI-9218		Variety	Bengalgram variety Chickpea JAKI-9218						
		Irrigated	Kharif	Redgram	GRG-811		Variety	Demonstration of GRG-811 and durgery reduction by using of spiral	4	4	2	2	2	4
		Irrigated	Kharif	Redgram			Mechanization	solar operated nipping machine for Pigeonpea	2.5	2.5	1	1	1	3
			Rabi	Bengalgram			Variety	JAKI-9218	4	4	1	1	1	2
		Rainfed	Kharif	Redgram			IDM	management of SMV and pod fly in redgram	4	4	1	2	1	5
		Irrigated	Kharif	Redgram	GRG_811		Variety	Demonstration of GRG-811 and durgery reduction by using of spiral	4	4	1	2	1	6
	Cereals	Irrigated	Kharif	Maize	-		IPM	Management of FAW in Maize	3.6	3.6	1	2	2	4

		Irrigated	Rabi	Wheat	UAS-304		Var. iety	Wheat variety UAS-304	4	4	2	1	2	5
		Irrigated	Rabi	Dicoccum Wheat	DDK-1029		Var. iety	Dicoccum DDK-1029	4	4	1	1	2	6
	Millets	Rain fed	Kharif	Foxtail Millet	DHf Ft-109-3		Var. iety	New variety introduction	2	2	1	1	1	2
	Vegetables	Rain fed	Rabi	Onion	Bhimashaakti		Var. iety	New variety introduction	2.4	2.4	1	1	2	6
	Flowers													
	Ornamental													
	Fruit	Irrigated	Rabi	Pomegranate	Kesar		IPM	Management of fruit sucking moth in Pomegranate	04	4				
		Irrigated	Khari f	Lime	Kagzime		IPDM	Management of Citrus canker and leaf miner	4	4				
		Irrigated	Rabi/Summer	Watermelon	Sugarquen		INM	Mixture of boric acid @ 30g + salicylic acid @ 50g in 1% urea solution / ac, 2 foliar spray should be taken at flower bud appear and after 20 days of 1 <sup>st</sup> spray in melons. Installation of sticky traps (yellow and white). Spraying of fipronil 1ml/lit	2.4	2.4	2	4	2	4









## 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)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of check (Rs./ha)		
							H	L	A			Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
Oilseeds																	
Groundnut	Sulphur Management in Groundnut (G2-52 variety)	G2-52		Summer	05	2.0	19.5	16.5	18.5	15.6	18.59	89,670	50,920	2.31	74,880	36,880	1.97
Pulses	Management of SMV and pod fly in Redgram	TS3R/GR G811		Kharif	10	04	12.1	10.35	11.38	8.63	31.86	71694	51394	3.53	54369	33169	2.56
Chickpea	Bengalgram variety Chickpea JAKI-9218	JAKI-9218		Rabi	5	2	13.16	11.25	12.65	10.25	23.41	61668	41218	3.02:1	49969	30789	2.61:1
Redgram	Demonstration of GRG-811 and durdgerly reduction by using of spiral	GRG-811		Kharif	10	4	14.75	12.25	13.6	11.85	14.77	81600	60200	3.81	71100	49150	3.24
Pigeonpea	solar operated nipping machine for Pigeonpea			Kharif	6	2.5	14.60	12.85	13.5	11.25	16.89	78900	54544	3.24	67520	44200	2.9
Redgram	Management of SMV and pod fly in Redgram	TS3R/GR G811		Kharif	10	04	14.36	11.81	11.38	8.63	31.86	71694	51394	3.53	54369	33169	2.56
Cereals	Management of FAW in Maize	-	Mahyco	Kharif	09	3.6	53.60	49.45	49.25	42.25	16.56	83725	55625	2.98	71825	40325	2.28
Wheat	Wheat variety UAS-304	UAS-304		Rabi	10	2.4	34.15	31.20	33.18	30.2	9.87	79632	60492	4.16:1	72480	52590	3.64:1
Wheat	Dicoccum DDK-1029	DDK-1029		Rabi	10	2.4	31.60	27.70	30.15	25.3	19.17	105525	81875	4.46:1	88550	65700	3.88:1
Millets	Foxtail millet variety and value addition	DHFT-109-3		Kharif	5	2	11.80	9.45	10.5	8.85	18.64	25200	18550	3.79	21240	15290	2.56
Vegetables																	
Onion	Onion variety Bhima Shakti for Rabi	Bhima Shakti		Rabi	10	2.4	32.16	28.93	29.52	26.6	11.07	295150	247603	6.2	239400	189424	4.78
Flowers																	
Ornamental																	
Pomegranate	Management of fruit sucking moth in Pomegranate	Kesar		Rabi	04	1.6	20.12	17.58	18.13	14.38	26.07	7,25,200	5,60,200	4.39	5,75,200	3,88,950	3.08

Lime				<i>Rabi/Summer</i>	10	3.2	22.60	19.30	20.48	17.62	16.29	204707	158965	4.48	172683	124508	3.59
Lime	Management of Citrus canker and leaf miner	Kagzi		<i>Kharif</i>	10	04	23.40	20.25	21.10	18.60	13.44	253200	205700	5.33	213900	162800	4.18
Watermelon	Foliar application of Boron and management of sucking pest in melons	Sugar queen		Irrigated	06	2.4	710	680	700	640	9.38	5,53,000	4,44,400	5.09	4,99,200	3,90,700	4.60
Spices and condiments																	
Commercial																	
Fibre crops like cotton	Management of leaf reddening and pink bollworm in Cotton		Bt cotton	Irrigated	06	2.4	27.2	29.4	28.8	24.6	17.1	251860	207360	5.66	214800	172200	5.04
Medicinal and aromatic																	
Fodder	Demonstration of preservation of green fodder in the form of silage using silo bags	Cattle and Goats	10	10			10	6.5	8	7	12.5	85,400	26840	3.18:1	74725	27755	2.69:1
Fodder (2021)	Perennial supply of green fodder model : as a model	Cattle and Goats	08	08			8.2	5.0	6.80	5.70	13.64	70455	22143	3.18:1	60847	23470	2.59:1
Plantation																	
Fibre																	
Others (pl. specificity)																	

#### 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
Management of SMV and pod fly in Redgram				
Management of FAW in Maize	3- (no of cobs infected/20 plants), 62.10- no of moths trapped per 5 traps, 2.5 (no. of larvae/5 plants)			12.30- (no of cobs infected/20 plants), Nil- no of moths trapped per 5 traps, 13 (no. of larvae/5 plants)
Management of fruit sucking moth in Pomegranate	3.39(rotted fruits % due to fruit sucking moth damage )			9.92(rotted fruits % due to fruit sucking moth damage )
Management of Citrus canker and leaf miner	6.85 (citrus canker %), 5.34 (leaf miner %)			19.11 (citrus canker %), 12.24 (leaf miner %)
Demonstration on preservation of green fodder in the form of silage using	Demo	Quality of	Palatability	



Piggery																			
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	<ul style="list-style-type: none"> <li>Used the silo bags of 1 ton capacity to prepare silage</li> <li>These bags can be used repeatedly, until there is no damage to the bags</li> <li>These bags can be useful for small farmers</li> </ul>	Nil
Perennial supply of green fodder model : as a model	<ul style="list-style-type: none"> <li>Multicut fodder varieties can be demonstrated</li> <li>Higher milk yield can be expected</li> <li>Thought the year fodder can be made available</li> </ul>	

#### 5.B.5. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Unit s/ Area (m <sup>2</sup> )	Name of the parameter with unit	Yield (q/ha)			Check if any	% Increase	*Economics of demonstration (Rs./unit)			*Economics of check (Rs./unit)		
						Demo					Gross Return	Net Return	** BC R	Gross Return	Net Return	** BC R
						H	L	A								
Common carps	Promotion of composite fish farming in storage ponds	Rohu, catla and common carp	06	2000	Yield (Kg)	62.40	54.40	58.40	-	-	4,67200	1,75,200	2.67	-	-	-
Mussels																
Ornamental fishes																
Others (pl.specify)																

**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	<ul style="list-style-type: none"> <li>Storage ponds can be utilized for fish rearing to obtain additional income</li> <li>The water of fish reared tank can be beneficial to the horticulture and agriculture crops</li> </ul>	

### 5.B.7. Other enterprises : Nil

Enterprise	Name of the technology demonstrated	Variety / species	No. of Demo	Units / Area {m <sup>2</sup> }	Name of the parameter with unit	Yield			% Increase	*Economics of demonstration (Rs./unit) or (Rs./m <sup>2</sup> )			*Economics of check (Rs./unit) or (Rs./m <sup>2</sup> )			
						Demo				Gross Return	Net Return	** BC R	Gross Return	Net Return	** BC R	
						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 Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
						Demo	Check			Gross Return	Net Return	** BC R	Gross Return	Net Return	** BC R

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





Others (pl.specify)																
<b>Total</b>																
<b>Commercial crops</b>																
Sugarcane																
Coconut																
Others (pl.specify)																
<b>Total</b>																
<b>Fodder crops</b>																
Maize (Fodder)																
Sorghum (Fodder)																
Others (pl.specify)																
<b>Total</b>			6													

### Feedback on crop hybrids demonstrated

<b>Name of crop hybrid demonstrated</b>	<b>Useful characters as well as constraints of technology</b>	<b>Socio-economic as well as administrative constraints for its adoption</b>
Chilli Arka Khyati hybrid variety	<ul style="list-style-type: none"> <li>• Arka Khyati hybrid is high yielding and disease resistant hybrid</li> <li>• Availability of seeds is the constraint</li> </ul>	<ul style="list-style-type: none"> <li>• Easy accessibility of Seed is the constraint</li> </ul>







Fish processing and value addition										
Others (pl.specify)										
<b>Production of Inputs at site</b>										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
<b>CapacityBuilding and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	<b>28</b>	<b>1043</b>	<b>123</b>	<b>1164</b>	<b>84</b>	<b>22</b>	<b>106</b>	<b>1126</b>	<b>146</b>	<b>1273</b>









<b>Production of Inputs at site</b>										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
<b>CapacityBuilding and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	<b>08</b>	<b>230</b>	<b>18</b>	<b>248</b>	<b>24</b>	<b>6</b>	<b>30</b>	<b>254</b>	<b>24</b>	<b>278</b>









**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	
<b>1</b>	<b>Crop production and management</b>											
1.a.	Increasing production and productivity of crops											
1.b.	Commercial production of vegetables											
<b>2</b>	<b>Production and value addition</b>											
2.a.	Fruit Plants											
2.b.	Ornamental plants											
2.c.	Spices crops											
<b>3.</b>	<b>Soil health and fertility management</b>											
<b>4</b>	<b>Production of Inputs at site</b>											
<b>5</b>	<b>Methods of protective cultivation</b>											
<b>6</b>	<b>Others (pl.specify)</b>											
<b>7</b>	<b>Post harvest technology and value addition</b>											
7.a.	Processing and value addition											
7.b.	Others (pl.specify)											
<b>8</b>	<b>Farm machinery</b>											
8.a.	Farm machinery, tools and implements											
8.b.	Others (pl.specify)											
<b>9.</b>	<b>Livestock and fisheries</b>											
<b>10</b>	<b>Livestock production and management</b>											
10.a.	Animal Nutrition Management											
10.b.	Animal Disease Management											
10.c.	Fisheries Nutrition											
10.d.	Fisheries Management											
10.e.	Others (pl.specify)											
<b>11.</b>	<b>Home Science</b>											
11.a.	Household nutritional security											
11.b.	Economic empowerment of women											
11.c.	Drudgery reduction of women											
11.d.	Others (pl.specify)											
<b>12</b>	<b>Agricultural Extension</b>											
12.a.	CapacityBuilding and Group Dynamics											
12.b.	Others (pl.specify)											
	<b>Total</b>											

**Details of sponsoring agencies involved**

- 1.
- 2.
- 3.

### 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			
<b>1</b>	<b>Crop production and management</b>													
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)													
<b>2</b>	<b>Post harvest technology and value addition</b>													
2.a.	Value addition													
2.b.	Others (pl.specify)													
<b>3.</b>	<b>Livestock and fisheries</b>													
3.a.	Dairy farming													
3.b.	Composite fish culture													
3.c.	Sheep and goat rearing													
3.d.	Piggery													
3.e.	Poultry farming													
3.f.	Others (pl.specify)													
<b>4.</b>	<b>Income generation activities</b>													
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)													
<b>5</b>	<b>Agricultural Extension</b>													
5.a.	Capacity building and group dynamics													
5.b.	Others (pl.specify)													
	<b>Grand Total</b>													

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

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		
<b>1</b>	<b>Vermicompost producer</b>	<b>02.03.2021</b>	<b>26.03.2021</b>	<b>25</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>05</b>	<b>0</b>	<b>05</b>	<b>25</b>	<b>0</b>	<b>25</b>	Assessment yet to be done	

**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	2102	1924	87	2011	83	27	110	45	12	87
Farmers visit to KVKs	131	1347	316	1663	119	97	216	23	0	23
Lectures delivered as resource persons	121	1022	292	1314	168	84	252	42	12	54
Diagnostic Visits	28	23	3	26	4	6	10	2	3	5
Field Days	15	390	17	407	30	07	37	12	2	14
Group discussions/ meetings	154	2744	337	3081	149	105	254	23	10	33
Kisan Gosthies	02	1560	253	1813	46	24	70	18	11	29
Film Shows	04	80	19	99	9	5	14	6	2	08
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	1560	253	1813	46	24	70	15	12	27
Exhibitions	02	1399	279	1678	37	43	80	5	4	9
Scientist visit to farmers fields	146	2737	333	3070	149	104	253	15	12	27
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	20
Workshops	11	1399	279	1678	37	43	80	6	2	8
Method Demonstrations	12	750	125	875	25	13	38	16	17	33
Celebration of important days	04	25	05	30	07	03	10	0	0	0
Special day celebrations	9	299	67	23	6	403	9	10	2	12
Exposure visits	01	20	0	20	05	0	05	0	0	0
Others, Please specify	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	2865	18301	2957	20915	1083	1071	1754	253	106	389

**8.2 Other extension activities like print and electronic media etc.**

Sl. No.	Type of media/activity	Number of activities/Number
1	Popular articles	16
2	Newspaper coverage	25
3	Extension Literature	06
4	Radio Talks	0
5	TV Talks	0
6	CD/DVD/Video clips	0
7	Animal health camps (no. of animal treated)	0
8	Others, please specify	0
	<b>Total</b>	<b>47</b>



**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	7.0	35,000	
		RSJ-1	1.00	5,000	
Oilseeds					
Pulses	Redgran	TS-3R	48.55 qtl	5,10,000	821
	Chickpea	BGD-111-1	15.00 qtl	1,21,500	60
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
<b>Total</b>					

**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
<b>Total</b>					

**9.C. Production of planting material by the KVKs : Nil**

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial					
Vegetable seedlings					
Fruits					
Ornamental plants					
Medicinal and Aromatic					
Plantation					
Spices					
Tuber					
Fodder crop saplings					
Forest Species					
Others(specify)					
<b>Total</b>					

**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
<b>Total</b>					

### 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	6000 kg	48000	05
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)				
<b>Total</b>				

### 9.D. Production of livestock

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

**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	03
Technical reports	00
Technical bulletins	01
Popular articles – English	08
Popular articles – Local language	08
Extension literature	06
Others if any	00

(iii) Details of Literature developed/published

Please provide the details of above publication in the following format:

- Research articles in journals: Complete citation indicating authors, year of publication, title of publication, journal name, volume and page number in sequence.
  - Syeda Samina Anjum**, Negalur, R B, Savitha B, Heena M S and Ravi Y, (2021) Assessment of Pigeon pea varieties for dry root-rot tolerance under Vijayapur District of Karnataka State. *Green Farming*, 12 (6): 56-59.
  - Anup Das, Krishnappa Rangappa, **Savita B**, Utpal Dey, Meghna Haloi, Jayanta Layek, RamkrushnaG.I, R. Lal, Nishant A.Deshmukh, G.S. Yadav, S. Babu, S.V. Ngachan (2021) Conservation tillage and nutrient management practices in summer rice (*Oryza sativa* L.) favoured root growth and phenotypic plasticity of succeeding winter pea (*Pisum sativum*L.) under eastern Himalayas, India Heliyan, **7**, pages:1-14
  - Pushpalatha M., Bidari B. I., Hebbara M., Shashidar G. B., **Savita B**. Hundekar S. T. and Hegde R. V. (2021) Diagnosis and Recommendation Integrated System (DRIS) Norms for Identifying Yield Limiting Nutrients in ByadgiChilli Fruits Grown in Northern Transitional Zone and Dry Zones of Karnataka (India) *International Journal of Plant and Soil Science* 33(20): 101-109.
  - Heena M. S. R.B. Negalur, Savita,B. and S. S. Anjum (2021) Impact of front line demonstration on foliar application of Arka citrus special in Acid lime GREEN FARMING 12 (5 &6) : 222-225 NAAS rating : 3.00
- Technical Reports/ bulletins: Authors name, Title of the technical report, name of publishing KVK, number of pages.
- Popular articles:** Authors name, Title of the article, date of publication, Name of the newspaper/magazine, page no.
  - S. S. Anjum**, Negalur, R. B., Belli, R.B., Savita, B., Heena, M.S., Ravi, Y. and Santosh Shinde, 2021. ಕಡಲೆ ಬೆಳೆಯ ಪ್ರಮುಖ ರೋಗ ಮತ್ತು ಕೀಟಗಳು ಮತ್ತು ಅದರ ಸಮಗ್ರ ನಿರ್ವಹಣೆ. *Sukhibhava Annadata*, Dec-January 2020-21, pp:12-13.
  - S. S. Anjum**, Heena, M S Negalur and Savita B, (March 2021) Nimbe beleya pramukha rogalalu. *Krishi jagran*, 3 (07) : 30-32.
  - S. S. Anjum**, Heena, M S Negalur, R B and Ravi Y, (may 2021) Citrus decline disease. *Agro India*, pp: 30-31.
  - S. S. Anjum**, Negalur, R B, Heena, M S and Savita, B, (june 2021) ರೋಗ ಮತ್ತು ಕೀಟಗಳ ನಿರ್ವಹಣೆಯಲ್ಲಿ ಸಾಗುವಳಿ ಕ್ರಮಗಳ ಪಾತ್ರ. *Krishi jagran*, 6 : 11-13.
  - S. S. Anjum**, Negalur, R B, Heena, M S and Savita, B, (jan 2022) Pest and disease management in sugarcane. *Krishi jagran*, 08 (01):8-10.
  - Ranjitha G., **Savita B** and R.B. Negalur World Soil Day: 2021 (Dec-2021) Halt Soil Salinization, Boost Soil Productivity *Agro- India*, , pp: 32-35

- **Savita B**, S. S Anjum, Santosh Shinde, Heena M S and R. B. Negalur (Dec-2021) ವಿಶ್ವದ ಮಣ್ಣಿನ ವಿನ 5 ಡಿಸೆಂಬರ್, 2021: ಮಣ್ಣು ಸವಕಾರುವುದನ್ನು ನಿಲ್ಲಿಸೋಣ ಮಣ್ಣಿನ ಉತ್ಪಾದಕತೆ ಹೆಚ್ಚಿಸೋಣ <https://kannada.krishijagaran.com/agripedia>
- S. S Anjum, R. B. Negalur, Heena M S and **Savita B** ಕಟ್ಟನಲ್ಲ ಪ್ರಮುಖರೋಗ ಮತ್ತು ಕೀಡಗಳು- ಸಮಗ್ರ ನಿರ್ವಹಣಾ ಕ್ರಮಗಳು (Aug-2021) *Krishi Jagaran* monthly magazine, 8:8-10
- Heena M.S. , S.S. Anjum, Majeed G and Ravi Y ICARKrishi VigyanKendra, Indi (Vijayapura-II) (July-2021) Acid Lime Production constrains and prospects *Agro- India*, , pp: 28-30
- Heena M.S. , S.S. Anjum, Majeed G and Ravi Y ICARKrishi VigyanKendra, Indi (Vijayapura-II) (July-2021) Acid Lime Production constrains and prospects *Agro- India*, , pp: 28-30
- Dr. S.S. Anjum, Dr. R.B. Negalur and Smt Heena M.S. ರೋಗ ಮತ್ತು ಕೀಟಗಳ ನಿರ್ವಹಣೆಯಲ್ಲಿ ಸಾಗುವಳಿ ಕ್ರಮಗಳ ಪಾತ್ರ *Krishi Jagaran* monthly magazine, (June-2021)
- Heena M.S., Savita B., Sayeda Samina Anjum and R.B. Negalur ತೋಟಗಾರಿಕೆ ಬೆಳೆಗಳಲ್ಲಿ ಮಣ್ಣು ಪರಿಶೋಧನೆ ಮತ್ತು ಮಹತ್ವ *Krishi Jagaran* monthly magazine, (May-2021)
- Heena M.S. Ravi Y. Santosh Shinde, R.B. Negalur and S.S. Anjum ಸಂರಕ್ಷಿತ ಕೃಷಿಯಲ್ಲಿ ಡೋಣ ಮೆಣಸಿನಕಾಯಿ ಬೆಳೆಯ ಉತ್ಪಾದನಾ ತಾಂತ್ರಿಕತೆಗಳು *Krishi Jagaran* monthly magazine, (June-2021)
- Heena M.S. Ravi Y. Santosh Shinde, S.S. Anjum ಪಪಾಯಿ ಬೆಳೆಯ ಆಧುನಿಕ ಬೇಸಾಯ ತಾಂತ್ರಿಕತೆಗಳು *Krishi Jagaran* monthly magazine, (August-2021) PPN0 22-25
- Heena M.S. and S.S. Anjum, ವಾಳಂಬೆಯ ದುಂಡಾಣು ಅಂಗಮಾರಿ ರೋಗ *Krishi Jagaran* monthly magazine, (August-2021)

#### Booklet:

1. **S S Anjum**, Heena M S, Negalur R B, Savita B and Santosh Shinde, (2021) Importance of vermicomposting in organic farming. No. 2, KVK Vijayapur II, 30 p.

#### Folder:

1. **S S Anjum**, Heena M S, Savita B and Santosh Shinde. (2021) Management of root grub in sugarcane. **No. 33**, KVK Vijayapur II, 4 p.
2. **Savita B**, R. B. Negalur, Heena M S, S. S Anjum, Ravi Y and Santosh Shinde (2021) ಕೃಷಿಯಲ್ಲಿ ಸವಲು ಮಣ್ಣಿನ ನಿರ್ವಹಣೆ Extension folder no.32. ICAR- KVK, Indi.
3. Santosh Shinde, R. B. Negalur, S. S Anjum, **Savita B**, and Heena M.S, ಜೋಲಿ ಮರಿಗಳ ಮಾಲನೆ ಹಾಗೂ ನಿರ್ವಹಣೆ Extension folder no.31. ICAR- KVK, Indi
4. S. S Anjum, Heena M S, **Savita B** and Santosh Shinde, (2021) ಕಟ್ಟನಲ್ಲಿ ರೋಗ ಹುಳುವಿನ ಸಮಗ್ರ ನಿರ್ವಹಣೆ Extension folder no.33. ICAR- KVK, Indi
5. Heena M.S, R. B. Negalur, S. S Anjum, **Savita B**, Santosh Shinde and , Ravi Y, (2021) ಉಳ್ಳಗಡ್ಡೆ ಬೆಳೆಯ ಸುಧಾರಿತ ಬೇಸಾಯ ಕ್ರಮಗಳು, Extension folder no.28. ICAR- KVK, Indi
6. Heena M.S, R. B. Negalur, S. S Anjum, **Savita B**, Santosh Shinde and , Ravi Y, (2021) ನಿಂಬೆಯಲ್ಲಿ ಬಹಾರ್ ನಿರ್ವಹಣೆ ಹಾಗೂ ನಿಂಬೆ ಸೈಜಲ್ Extension folder no.30. 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**

<b>Photo</b>	<b>Photo</b>
<b>Title</b>	<b>Title</b>
<b>Photo</b>	<b>Photo</b>
<b>Title</b>	<b>Title</b>

**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	Best Young scientist award	Indian Society for Study of animal reproduction (ISSAR)	Dr. Santosh Shinde, Scientist (Animal Science)	College of veterinary and animal sciences, Mannuthy, Thrissur	27.12.2021 to 29.12.2021

## PART XI – SOIL AND WATER TEST

### 11.1 Soil and Water Testing Laboratory

#### A. Status of establishment of Lab :

1. Year of establishment :
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost	Status
1				
2				
3				
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				
Water Samples				
Plant samples				
Manure samples				
Others (specify)				
Total				

#### C. Details of samples analyzed during 2021:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples				
Water Samples				
Plant samples				
Manure samples				
Others (specify)				
Total				

### 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 2021 and since establishment with Mobile Soil Testing Kit:

	During 2020	During 2021	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 participated (No.)	Media coverage (No.)
01	95	50	00	00	04	02

**PART XII. IMPACT****12.A. Impact of KVK activities (Not restricted for reporting period).**

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

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

**12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs)****12.C. Details of impact analysis of KVK activities carried out during the reporting period****PART XIII - LINKAGES****13A. 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 KshetraDharmastalaGrameenabhivrudhiYojane (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
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				
04	Demonstrations				
05	Extension Programmes				
	Kisan Mela				
	Technology Week				
	Exposure visit				
	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	Fertigation on lime and Research	RKVY	17,00,000	-	

**13G. Kisan Mobile Advisory Services: Nil Mkisan site is not allowing send the text messages.**

Month	No of Advisories	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefited (No.)
			Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
January	3	Text	2	-	-	-	1		1052	
February	2	Text	1	-	-	-	1		1200	
March	3	Text	1	-	-	1	1		1212	
April	2	Text	1	1	-	-			2100	
May	2	Text	1	-	-		1		2400	
June	4	Text	2	1	-		1		1245	
July	3	Text	1	1	-		1		1245	
August	2	Text	1	-	-		1		1200	
September	0	Text	-	-	-				0	
October	0	Text	-	-	-				0	
November	0	Text	-	-	-				0	
December	261	Text	-	-	-				261	
<b>Total</b>	<b>282</b>		<b>10</b>	<b>03</b>		<b>01</b>	<b>07</b>		<b>11915</b>	

**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	Swarana Dhara	Meat	-	-	-	-
2	Citrus special production Unit	2021							MoU was signed with Agrinnovate New Delhi and the production will be started from 01.04.2022 onwards

**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		2.0	CSV-29R	F/S	7	8,000	35,000	
			0.8	RSJ1	B/S	1.0	2,000	5,000	
Pulses	Redgram	25.01.2021	6.0	TS-3R	C/S	48.55	1,55,000	5,10,000	
	Chickpea	12.02.2021	4.0	BGD-111-1	T/L	15.00	72,000	1,21,500	
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	6000 kg	25,000	48000	



**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**

Sl No.	Agro advisories			Farmers awareness programmes	
	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)	02	0	152	152

**15.4 Seed Hub: Nil**

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

**15.5 CFLD on Oilseeds:**

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1	Groundnut	G2-52	20	50	20	50
2	Linseed	NL-115	10	25	10	25
3	Sunflower	KBSH-53	10	25	10	25



**15.10 SCSP : Nil**

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologies)	Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)	
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Personnel		On-farm trials	Frontline demos	Mobile agro-advvisory 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
372	07	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

S l	District	Taluks	Villages	Farmer s (No.)	Average Benchmark Income (Rs/year)	Crops/ enterprises	KVK Interventions	Additional Net Income generated due to KVK intervention s (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, Chickpea, 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.,	<ol style="list-style-type: none"> <li>1. Right use of fungicides and insecticides</li> <li>2. Reduction in cost and reduction in number of sprays thereby increase in yield.</li> </ol>

**16.4 Farmers feedback on performance of farm machinery technologies**

Sl. No.	Farm machinery technologies	Farmer's feedback

**16.5 Farmers feedback on performance of livestock and fisheries technologies**

Sl. No.	Livestock/fisheries technologies	Farmer's feedback
1	Demonstration on preservation of green fodder in the form of silage using silo bags	<ul style="list-style-type: none"> <li>• Silo bags can be repeatedly used for preparation of silage</li> <li>• Good quality silage can be obtained</li> <li>• Silage preparation using silo bags requires less space</li> <li>• Feeding of silage increased milk yield upto 10%</li> </ul>
2	Perennial supply of green fodder model : as a model	<ul style="list-style-type: none"> <li>• Multicut fodder varieties has helped to increase the milk yield</li> <li>• Thought the year fodder can be made available</li> <li>• It helped in preparing balanced feed</li> </ul>
3	Promotion of composite fish farming in storage ponds	<ul style="list-style-type: none"> <li>• Storage ponds can be utilized for fish rearing to obtain additional income</li> <li>• The water of fish reared tank can be beneficial to the horti and agriculture crops</li> <li>• An additional income can be obtained by fish rearing</li> <li>• Common carp variety has shown higher growth rate</li> </ul>

**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	SBI	Dharwad	3151	Comptroller, UAS, Dharwad	10025445154	580002304	SBIN0003151
With KVK	SBI	Indi	2214	Senior Scientist & Head, KVK, Indi	36561181843	5860002209	SBIN0002214

	SBI	Indi	2214	Senior Scientist & Head, KVK Training Revolving Fund	37223614685	5860002209	SBIN0002214
	SBI	Indi	2214	Senior Scientist & Head, Seed Revolving Fund KVK, Indi	37275359075	5860002209	SBIN0002214
	SBI	Indi	2214	Sr. Scientist & Head Imprest KVK, Indi	39005031300	5860002209	SBIN0002214

**17B. Utilization of KVK funds during the year 2020-21(Rs. in lakh)**

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	1,12,00,000	96,01,730	79,89,584
2	<b>Traveling allowances</b>	1,00,000	-	55,614
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2,50,000	10,91,221	2,34,219
B	POL, repair of vehicles, tractor and equipments	2,25,000		1,93,306
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,00,000		72,000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	5,000		35,000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3,75,000		3,25,000
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1,30,000		1,13,000
G	Training of extension functionaries	50,000		38,400
H	Extension activities	1,00,000		40,000
I	EDP and Nutrigarden	90,000		56,000
J	Maintenance of buildings	0		0
K	Establishment of Soil, Plant & Water Testing Laboratory	30,000		30,000
L	Library	10,000		7,000
<b>TOTAL (A)</b>				
<b>B. Non-Recurring Contingencies</b>		<b>1,27,40,000</b>	<b>1,06,92,951</b>	<b>1,01,26,123</b>
1	<b>Works</b>			
2	<b>Equipment including SWTL &amp; Furniture</b>			
3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)			
4	<b>Library</b> (Purchase of assets like books & journals)			
<b>TOTAL (B)</b>				
<b>C. REVOLVING FUND</b>				
<b>GRAND TOTAL (A+B+C)</b>		<b>1,27,40,000</b>	<b>1,06,92,951</b>	<b>1,01,26,123</b>

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

Year	Opening balance as on 1 <sup>st</sup> January	Income during the year	Expenditure during the year	Net balance in hand as on 31 <sup>st</sup> December of each year
January to December 2019	10,70,462.00	4,48,927.00	5,48,966.00	9,70,423.00
January to December 2020	9,70,423.00	13,53,078.00	12,57,545.00	10,65,956.00
January to December 2021	10,65,956.00	9,79,753.00	12,97,875.00	7,47,834.00

### 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)	Management of infertility in cattle	AGMOOC course conducted by TANUVAS	31.08.2021 to 15.10.2021
Smt. Heena M.S.	Scientist (Horticulture)			
Dr. Savita B	Scientist (Soil Science)			
Dr. S.S. Anjum	Scientist (Plant Pathology)			
Dr. Ravi Y	Scientist (Home Science)			

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

### Promotion of Sustainable Nutrition for Farm women through Nutri-farms

**Table 1: Impact of intervention on nutrient intake of farm women-40**

Nutrients	RDA#	BEFORE		AFETR	
		Mean $\pm$ SD	% adequacy	Mean $\pm$ SD	% adequacy
<b>Energy (Kcal)</b>	<b>2130</b>	1851.25 $\pm$ 220.15	<b>86.91</b>	1955.35 $\pm$ 198.25	<b>91.80</b>
<b>Protein (g)</b>	<b>45.7</b>	38.85 $\pm$ 13.05	<b>85.01</b>	40.25 $\pm$ 14.11	<b>88.01</b>
<b>Calcium (mg)</b>	<b>1000</b>	550.65 $\pm$ 266.39	<b>57.06</b>	610.55 $\pm$ 222.29	<b>61.05</b>
<b>Iron (mg)</b>	<b>29</b>	21.36 $\pm$ 6.11	<b>73.65</b>	25.65 $\pm$ 3.33	<b>88.44</b>
<b>Vitamin C (mg)</b>	<b>65</b>	56.17 $\pm$ 10.36	<b>86.41</b>	59.16 $\pm$ 11.55	<b>91.01</b>
<b>Fat (g)</b>	<b>25</b>	17.55 $\pm$ 3.28	<b>70.2</b>	17.35 $\pm$ 3.01	<b>69.4</b>

Source: National Institute of Nutrition (NIN) dietary guidelines for Indians (2020)

**Table 2: Mean per cent adequacy of food intake of the farm women after establishment of nutri-farm-40**

Food groups	RDA#	BEFORE		AFETR	
		Mean $\pm$ SD	% adequacy	Mean $\pm$ SD	% adequacy
<b>Cereals</b>	330 (g)	321.77 $\pm$ 76.11	<b>97.50</b>	335.03 $\pm$ 85.25	<b>101.52</b>
<b>Pulses</b>	75 (g)	51.31 $\pm$ 11.06	<b>68.41</b>	58.91 $\pm$ 12.22	<b>78.54</b>
<b>Milk and Milk products</b>	300 (ml)	155.04 $\pm$ 17.25	<b>51.68</b>	171.85 $\pm$ 18.69	<b>57.28</b>
<b>Roots and Tubers</b>	200 (g)	58.80 $\pm$ 11.65	<b>29.4</b>	70.23 $\pm$ 14.03	<b>35.11</b>
<b>GLV</b>	100 (g)	59.75 $\pm$ 19.25	<b>59.75</b>	86.18 $\pm$ 35.23	<b>86.18</b>
<b>Other vegetables</b>	200 (g)	77.15 $\pm$ 18.11	<b>38.57</b>	90.25 $\pm$ 35.21	<b>45.12</b>
<b>Fruits</b>	100 (g)	22.40 $\pm$ 8.12	<b>22.40</b>	29.03 $\pm$ 9.12	<b>29.03</b>
<b>Sugar</b>	30 (g)	18.95 $\pm$ 5.93	<b>63.16</b>	19.95 $\pm$ 5.63	<b>66.5</b>

- Intervention of nutri-farms has shown the positive impact on dietary pattern.