ICAR-ATARI, Pune
DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2024
(January 2024 to December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
	Office	FAX		
Krishi Vigyan Kendra, Ambuja Cement Foundation, Ambujanagar, Kodinar-362 715 Dist.: Gir Somnath (Guj.)	(02795) 232363	(02795) 232363	kvk.girsomnath@gmail.com	https://sites.google.com/view/kvk-junagadh

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

Address	Telephone		E mail	Website address
	Office	FAX		
Ambuja Cement Foundation, PO.: Ambujanagar, Tal.: Kodinar 362 715 District: Gir Somnath (Guj.)	(02795) 232163	(02795) 232163	chandrakant.kumbhani.ext@ambujafoundation.com	www.ambujacementfoundation.org

1.3. Name of the Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Office	Mobile	Email
Er. Jitendra Singh	(02795) 232363	7987365973	kvk.girsomnath@gmail.com jitendra.singh.ext1@ambujafoundation.com

1.4. Date and Year of sanction: 25th July, 2007

1.5. Staff Position (as on December, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
					Current Pay Band Basic	Current Grade Pay		
1.	Senior Scientist and Head	Er. Jitendra Singh	7987365973	Agri. Engineering	152300	Leavel -13A	03/06/19	
2.	Subject Matter Specialist	Dr. Hansa P Gami	8780563002	Home Science	87400	Leavel -10	23/06/08	-
3.	Subject Matter Specialist	Mr Ranjitsinh G Barad	9227699177	Horticulture	87400	Leavel -10	08/07/08	-
4.	Subject Matter Specialist	Mr Manish J. Baldaniya	9558140439	Agronomy	65000	Leavel -10	13/05/19	-
5.	Subject Matter Specialist	Mr Ramesh T Rathod	9427147891	Plant Protection	80000	Leavel -10	17/06/11	-
6.	Subject Matter Specialist	Mr Satish T Hadiyal	9687631207	Soil Science	73200	Leavel -10	25/07/14	-
7.	Subject Matter Specialist	Ms Pooja B. Nakum	9773283611	Agricultural Extension	65000	Leavel -10	07/06/19	-
8.	Programme Assistant	Mr Rajendrasinh N Parmar	7359902718	Fisheries science	60400	Leavel -6	17/06/08	-
9.	Computer Programmer	Mr Ajay M Dhanani	9228866091	M. Com, B. Ed., PGDCA	60400	Leavel -6	16/06/08	-
10.	Farm Manager	Vacant						
11.	Accountant/Superintendent	Mr Kiritsinh K Mori	8758902828	B. Com, PGDCA	58600	Leavel -6	01/07/08	-
12.	Stenographer	Mr Balu J Vala	9924736312	BA, GCC	38600	Leavel -4	16/06/08	-
13.	Driver 1	Mr Arjan K Vala	9924692201	HSC, ITI (Diesel Mechanic)	34000	Leavel -3	16/06/08	-
14.	Driver 2	Mr Kanu N Pithiya	9879492949	B A	34000	Leavel -3	01/07/08	-
15.	Supporting staff 1	Mr Ketan G Vala	9227287187	B A	29700	Leavel -1	14/06/08	-
16.	Supporting staff 2	Mr Pruthvi D Gohil	9998332692	10th	29700	Leavel -1	23/12/08	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	4.72
3.	Under Crops	4.50
4.	Horticulture	6.56
5.	Pond	0.15
6.	Others if any (Specify)	3.34

1.7. Infrastructural Development:
A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs. in Lakh)	Starting year	Plinth area (Sq.m)	Status of construction
1	Administrative Building	ICAR	31/03/09	548.95	45.28			
2	Farmers Hostel	ICAR	31/03/09	303.60	30.23			
3	Staff Quarters (6)	ICAR	31/03/11	433.87	39.83			
4	Demonstration Units							
	1. Vermi compost & Vermi wash	ACF	31/03/09	20	00.45			
	2. Drip Irrigation	ACF	28/02/10	-	04.95			
	3. Soil & water testing lab	ACF	30/11/10		06.80			
	4. Crop Cafeteria	ACF	31/03/11	-	00.60			
	5. Fish Pond	ICAR	31/03/11	1500	03.04			
	6. Leaf Tissue Analysis lab	NHM	31/03/12	-	18.00			
	7. Model Nursery	NHM	31/03/12	-	24.92			
	8. Community Radio Station (CRS)	ATMA	10/11/12	-	16.92			
	9. Honey Bee	ACF	15/01/13	-	00.12			
	10. Agri Mall	ACF	30/06/15	-	01.60			
	11. Azolla	ICAR	31/03/17	-	01.98			
	12. NADEP	ICAR	31/03/17	-	00.25			
	13. Bio-digester	ICAR	31/03/17	-	00.66			
	14. Cattle Feed	ACF	29/01/18	-	06.80			

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs. in Lakh)	Starting year	Plinth area (Sq.m)	Status of construction
5	Boundary wall	ICAR	31/03/11	300 m	10.00			
6	Boundary wall	ACF	31/03/15	500 m	20.00			
7	Threshing floor	ICAR	31/03/10	400	01.96			
8	Farm go down	ICAR	31/03/11	53.87	03.51			
9	Implement shed	ICAR	31/03/11	60.13	02.64			
10	Vehicle stand	ACF	31/03/14	80.06	01.24			
11	Security room	ACF	31/03/14	-	00.80			
12	Home Sci. Lab	ACF	31/08/18	58.40	05.36			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Running	Present status
Jeep (Bolero)	2022-23	8,31,291	33954	working condition
Hero Honda(Two wheeler)	2008-09	49,000	73758	Not working condition
Tractor	2007-08	4,50,000	5598 (hrs)	working condition
Activa-Honda Bike (Funded by ACF)	2012-13	61000	38937	Not working condition

C) Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Furniture for Office	2008-09	300000	Working condition
Computer with access.	2008-09	97750	Working condition
Generator	2008-09	93975	Working condition
Fax Machine	2008-09	10000	Working condition
EPABX	2008-09	48664	Working condition
Furniture & Furnishing of farmer Hostel	2008-09	500000	Working condition
Power Tiller	2008-09	150000	Working condition (Recently modified in Mini Tractor for better work)
Leveler	2008-09	25500	Working condition
Winnower	2008-09	35000	Working condition
Seed cum fertilizer	2008-09	40000	Working condition
Power sprayer	2008-09	30000	Working condition
Multicrop Thresher	2008-09	60000	Working condition
Groundnut Digger	2012-13	20000	Working condition
Groundnut Decorticator	2012-13	2400	Working condition
One computer and LCD Projector with access.	2015-16	99250	Not in working condition
Digital Camera (Nikon)	2015-16	28000	Not in working condition

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
EPABX	2016-17	29550	Not in working condition
Audio system	2016-17	15500	Working condition
CC TV camera	2016-17	111435	Working condition
LCD – TV	2016-17	74000	Working condition
Kiosk Machine	2016-17	119280	Not in working condition
Photocopier	2016-17	140000	Working condition
Projector with Screen	2022-23	41628	Working condition

1.8. Details of SAC meeting conducted in the year 2024 on dated 17-02-2024:

Name and Designation of Participants	Salient Recommendations	Action taken
Sh. Chandrakant Kumbhani, President KVK.	KVK should give much weightage for extension of new technology developed by the university to the maximum farmers, as well as also create awareness about climate resilience technology to the farmers.	KVK disseminates new technology through various extension activities viz. Training, FLD/OFT, Field day and through various social media platforms. • CFLDs in Kharif – 110 Ha in Soybean (KDS-726) and Groundnut (GJG 32) • Groundnut Girnar 4 • Chickpea GG 7 • Wheat – GW 513 & GW 499 • Sugarcane planter Natural farming promotion.
	KVK should keep the record of the successfulness of the telephonic advisory on the major issue/problem faced by the farmers in the district season wise.	KVK team have recorded the feedback of farmers regarding successfulness of telephonic helpline and recorded it in register also. Total **1834** telephonic advisory provided during the year, The most burning problem are mentioned as below; 1. Groundnut collar rot **Solution:** Seed treated 12 hours before sowing with carboxin + thiram (Vitavex) 2.5 gm/kg seed gave good result. 2. Groundnut white grub and wireworm problem **Solution:** Use EPN 1 kg/acre gave good result. 3. Mango hopper problem **Solution:** Use Fenobucarb gave good result. 4. Coconut whitefly problem **Solution:** Use neem oil and beauveriya gave good result 5. Soil Sample collection. • **Solution:** Advice to farmers as per scientific method for proper sampling.
	KVK should prepared database of the FPO prevailing in the district and also visit few FPOs and support them technically, also do meeting with few FPOs members for strengthening them	KVK has prepared database of the FPO prevailing in the district. Total 15 FPOs existing in the district and among which11 are properly working and also visited few FPOs and supported them technically, We visited 1) Ambavadi Farmer Producer Company at Nariyeli Moli 2) Somnath Farmers Producer Company Ltd. at Ambujanagar, Kodinar 3) Dhanvantari Farmer Producer Company at Kesariya 4) KS Prakrutik Farmer Producer Company at Kodinar 5) Gold Farmer Producer Company at Kodidra, 6) Gir Kesar Farmer Producer Company at Madhupur

<table>
<tr><th>Name and Designation of Participants</th><th>Salient Recommendations</th><th>Action taken</th></tr>
<tr><td></td><td></td><td>7) U.G. Prakrutik Farmer Producer Company at Una
• We also facilitating them to demonstrated their products in our mass events
Three off/on campus training has been given to the FPO shareholder regarding natural farming at Nariyelimoli and Jasapur with about 350 participants including AGM meet.</td></tr>
<tr><td></td><td>KVK Should keep records of FPOs and SHGs formation within district including members and their turnover. And also mention how many members of SHGs are earning money. This should be presented in SAC meeting</td><td>KVK have recorded the FPOs and SHGs formation within district including members and their turnover. SHG members also participate in meals for earning the money.
KVK formed 45 SHGs, among them 6 are income generating.
<table><tr><td>Name</td><td>Shree Sorath Mahila Vikas Sahakari Mandali, Ambuja Foundation-Ambujanagar</td><td>District panchayat- Gir Somnath</td></tr><tr><td>No. of SHG</td><td>1206</td><td>3540</td></tr><tr><td>No. of members</td><td>14790</td><td>35400</td></tr><tr><td>Doing IG Activities (No.)</td><td>47 SHGs</td><td>250 SHGs</td></tr><tr><td>Turnover /annum</td><td>50,000-70,000</td><td>Rs. 70,000-90,000</td></tr><tr><td>Name of Income generating Activities</td><td>Selling of Saree, Cutlery, Masala, Mitti utensil Tailoring, Making of cotton divet & Drumstick powder Pickles</td><td>Handicraft, Herbal Products, Cow based products</td></tr></table></td></tr>
<tr><td></td><td colspan="2"><table>
<tr><th>S.N.</th><th>Name of FPO</th><th>Taluka</th><th>Established year</th><th>Turn over</th><th>Status</th><th>No. of member</th></tr>
<tr><td>1</td><td>Una Krishi Producer Company Limited</td><td>Una</td><td>2020-21</td><td>35,00,000</td><td>working</td><td>550</td></tr>
<tr><td>2</td><td>Gold Farm Krishi Producer Company Limited</td><td>Veraval</td><td>2020-21</td><td>32,21,905</td><td>working</td><td>467</td></tr>
<tr><td>3</td><td>Ambavadi Farmer Producer Company Limited</td><td>Gir gadhda</td><td>2022-23</td><td>35,00,000</td><td>working</td><td>475</td></tr>
<tr><td>4</td><td>Shrikantaya Krishi Producer Company Limited</td><td>Sutrapada</td><td>2022-23</td><td>43,00,000</td><td>Working</td><td>687</td></tr>
<tr><td>5</td><td>Gir Hariyali Krishi Producer Company Limited</td><td>Talala</td><td>2022-23</td><td>35,00,000</td><td>Working</td><td>450</td></tr>
<tr><td>6</td><td>Kodinar taluka farmers producer company limited</td><td>Kodinar</td><td>2021-22</td><td>12,00,000</td><td>Working</td><td>300</td></tr>
<tr><td>7</td><td>Girsatva Farmers Producer Company Limited</td><td>Talala,Gir Gadhda,Kodinar</td><td>2022-23</td><td>-</td><td>Closed</td><td>-</td></tr>
<tr><td>8</td><td>Girshakti Farmers Producer Company Limited</td><td>Talala,Patan Veraval</td><td>2022-23</td><td>-</td><td>Closed</td><td>-</td></tr>
<tr><td>9</td><td>Girurja Farmers Producer Company Limited</td><td>Talala,Sutrapada,Gir Gadhda</td><td>2022-23</td><td>-</td><td>Closed</td><td>-</td></tr>
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Name and Designation of Participants	Salient Recommendations	Action taken

	10	Girswad Farmers Producer Company Limited	Talala,Gir Gadhda,Kodinar	2022-23	-	Working (NA)	300
	11	KS Gir Somnath SPNF Producer Company Limited	Kodinar,Sutrapada	2022-23	4,00,000	Working	300
	12	UG Gir Somnath SPNF Producer Company Limited	Una,Gir Gadhda	2022-23	9,53,160	Working	303
	13	VT Gir Somnath SPNF Producer Company Limited	Veraval, Talala	2022-23	-	Working	310
	14	Somnath Farmers Producer co. ltd.	Kodinar, Sutrapada	2013	13,30,50,998	Working	2000
	15	Dhanvantari Farmers Producer co. ltd.	Una, Gir Gadhda	2020	1 crore 9 lakh	Working	532

	KVK should do more emphasis on soil health management and also create awareness among the farmers about carbon credit.	• As part of soil health management KVK conducted 7 off campus training with 191 participants and 3 On campus training with 102 participants on various topics viz; soil and water testing, INM, Production and use of organic inputs, how to overcome micronutrient deficiency and Fertilizer use efficiency. Also cover topic of importance of carbon credit in each program. • Special Awareness program on Fermented organic manure (FOM) and Liquid fermented organic manure (LFOM) as part of Soil Health Management conducted with 25 participant. • One extension functionaries training on INM as part of soil health management with 46 participants Organize one night camp & soil health day of carbon farming and explain importance of carbon credit with 37 participants.
	KVK should provide more and more guidance /solutions on the prevailing problems of the fisherman in the district.	Major issue of shrimp farmer was body cramp and white mussel. To overcome this problem we recommended application of Potassium chloride & chelated mineral mix with regular feed two time in day @ 5g in a kg feed, and for dissolve oxygen enhancing recommended to operate aerator more than regular operation. ➢ Overfishing & Juvenile fishing is a major issue in the marine fishing of our costal line, to control this we are continuous putting our effort (5 Training & group meeting with 135) to create awareness among the fishing community about losses of above both trend of fishing. Promotion of value addition of marine fish we are trying to establish FFPO at Navabandar.
	KVK should do survey of the prevailing old orchard of Coconut and Suggest to the farmer about possibility of inter cropping in the orchard for increasing income	We have done survey of old coconut orchard of the district. 40 farmers were selected randomly. Out of 40, two farmers are doing intercropping in their old orchard with Turmeric and Colocasia. During various extension activities such as training, gosthi, field day & off campus training, we awared the farmers for the intercropping with coconut crop supplement income.

Name and Designation of Participants	Salient Recommendations	Action taken
	KVK is promoting fisherman for Brackish Water Shrimp farming during kharif season its good but during the off season KVK should try to promote farmers for other blackish water fish species.	We discuss with the shrimp farmers they are saying that during off season (Nov to Feb.) culture of other blackish water fish species is very difficult, because growth of culture during this period is very poor, and in-between March to May, it is essential clean ponds by removing sludge and also keep it in exposure to sun.
Dr. N B Jadav, DEE, JAU Junagadh	FLD/OFT related to the Insect/pest or disease infestation SMS should keep the record about Percentage damage and should present in the meeting.	We are already recording the percent damage data in FLD/OFTs report and also included in presentation.
	During the diagnostic farmer's field visit KVK technical staff giving technical advisory to resolve the prevailing problems so, it is very important to keep the feedback of the farmers on that technical advisory particularly related to plant protection. And also other SMS may maintain this type of record for any important visit or advisory. This should be presented in the SAC.	KVK has recorded Feedback with appropriate solution against farmers' problem. 1. Name: Parmar Rahulbhai, Village: Khambha, Ta. Sutrapada Problem: Mite infestation in Groundnut (Girnar-4) Solution: Spray Ethion 40% + Cypermethrin 5% EC 30 ml per 15 ltr. Water. **Feedback:** Farmer got result and resolve Pest problem near about 85%. 2. Name: Patat Tapubhai Devshibhai Village: Prabhas Patan Ta.Veraval Problem: Groundnut Collar rot damage found in early stage of groundnut. Solution: Apply 2 kg Trichoderma and 1 kg Pseudomonas with 100 kg caster cake in per acre area. **Feedback:** The application of trichoderma with Pseudomonas & caster cake gave good result and manage the damage up to 65%. 3.Farmer Name : Joshi Shaileshbhai Labhshankarbhai Village: Bhacha Problem: Inter venial yellow patches on older leaves of cotton. Solution: Foliar Spray of Sulphate of Potash @ 100 gram/pump **Feedback:** Farmer got result and resolve deficiency in new leaves about 60%. 4. Farmer name: Vaghasiya Dhirubhai Village: Ambavad, Ta. Gir gadahada Problem: Coconut fruit dropping and fruit setting Solution: Application of fertilizer dose (Per tree) Ammonium sulphate – 2.5 Kg, SSP – 2.5 Kg., MOP – 3 Kg., Boron – 100 gm., Neem cake – 2 Kg. (Apply fertilizers in circular basing's of 1.8 m from the base of the palm). **Feedback:** Farmer got satisfied result and resolve fruit dropping problem about 75%. 5. Farmer Name: Rambhai Jadav Vilage: Sindhaj, Ta.: Kodinar Problem: Ear head drying issue in wheat crop Solution: Apply Mix Micro Nutrient at ear initiation stage followed by fungicide application Azostrobine + Difenconazol **Feedback:** The treatment found effective against the problem of ear head drying. GW-499 variety is resistant against such type of problem. 6. Farmer Name: Maheshbhai Pithiya Village: Javantri Ta.: Talala Problem: Poor flowering issue in Soybean crop Solution: Application of 00 52 34 WSF fertilizer 100 gram per pump + homobasinolide 30 ml per pump then good flower initiation and pod setting occurs • **Feedback:** the application of recommended fertilizer reduced the flower dropping and pod setting was

Name and Designation of Participants	Salient Recommendations	Action taken
		improved.
	KVK should prepare data based regarding the activities done and its benefit to the farming community of the district.	We have prepare data base of the activity done. • New groundnut variety Girnar 4, 8.6% Yield increase by as compared to check (GG20) and also net income enhanced by Rs 16316/ha • Groundnut variety GJG 32 – Yield increase by 21.25 % as compared to check and also net income enhanced by Rs 41487/ha • Soybean variety GS 4 Yield increased 2.37 % compare to check and also net income enhanced by Rs 4471/ha • Wheat variety GW 499 yield increase 36.87 % compare to check and also net income enhanced by Rs 40673/ha • Chickpea variety GG 5 yield increase 8.21 % compare to check and also net income enhanced by Rs 9915/ha • Green Gram GM6 yield increase 36 % compare to check (GM4) and also net income enhanced by Rs 45489/ha • We emphasize farmers through training for integrated approach resulting farmers are moving toward.
	KVK should arrange few training programs on Fish value addition.	One off campus training conduct on value addition in fish at Navabander village with 28 fisherwomen. Two rural youth training conduct (each 5 days) on value added fishery product collaborative with CIFT-Veraval with 60 farm women and farmer.
	District and state average should mentioned in FLD result	The district and state average has been mentioned in FLD result. Also mentioned in presentation
	2 to 4 success story of the successful farmers/ technology should be documented by the KVK, and for these KVK may take the help of JAU studio for documentation and videography for more popularization.	Two Natural Farming success story recorded and complete videography by ANI One Honey bee rearing success story recorded and complete videography by JAU
Sh. Dalsukh Vaghasiya, Regional Program Director, ACF Ambujanagar	KVK should invite few representatives of FPO and SHG in next SAC meeting	We invited few representatives of FPO and SHG in this SAC meeting.
	KVK should support to None performing FPOs by providing technical support/guidance through meetings/training.	We have conducted two off campus training for backstopping of FPO • Technical support has been provided to the non performing FPOs but many of them have a main issues of funding to run their FPO successfully.
	KVK should arrange some demonstration regarding intercropping in coconut.	At KVK level we conducted one FLD on turmeric at village Shepa & sultanpur as intercrop in coconut orchard.

Name and Designation of Participants	Salient Recommendations	Action taken
Sh. A M Karmur, DDH, Gir Somnath	KVK should arrange intercropping demonstration of coconut, and aware farmer about its benefits.	At KVK level we conducted one FLD on turmeric at village Shepa & sultanpur as intercrop in coconut orchard. On title Effect of Azoxystrobin 18.2 %+ Difenoconazole 11.4 % SC for the control of leaf blotch and leaf spot disease in turmeric.
	KVK should prepare proposal for the intercropping demonstration and send to Horticulture department. Department for budget we may try to provide a fund.	We also tried to get some funding support from the horticulture department to promote more farmers for intercropping in coconut but we couldn't got success due to non-availability of fund with them.
Sh. Kirit Jasani, Program Manager, ACF, Ambujanagar	KVK should arrange few demonstration on bio char at farmer's field if recommendation release by agriculture university; and also provide a technical support to the field team of the ACF BCI those are working on the biochar.	In training program as well as awareness program we covered the topic of biochar and its importance in soil health management. • One night camp & one off campus training organized on importance of biochar and its production techniques & use of biochar in agriculture with 44 participants •
Dr. Gambhirsinh Vala, Research Scientist, Coconut RS, JAU Mahuva	KVK should prepare message to increasing use of coconut oil by people due to its health benefits.	• As per the suggestion we have prepared a video advisory as well as on the health benefit of coconut oil and also created awareness among the society through social media.
	SMS home science should work on value addition of coconut product. KVK should prepare leaflet on coconut awareness.	We have prepared leaflet on value addition on coconut.
	KVK should recommend to farmer for increasing flowering in mango by application Buttermilk, Cow urine and sulfur. It may beneficial for more setting of fruits.	• We have conducted three off campus training and one field day on given FLD at Jamvala, Dudana, Tobra and Bhakha respectively. Total 82 mango growers got benefit of the program and most of them have also being started using Buttermilk and Cow urine.
	KVK should do efforts for adoption of intercropping with turmeric, coriander or Black-paper in coconut orchard by the farmers.	One off campus training has been organized with 31 farmers. We conducted one FLD on turmeric at village Shepa & sultanpur as intercrop in coconut orchard. For the more promotion of intercropping on coconut with the suggested crops we tried to get funding support from the horticulture department but we couldn't got success.
	KVK should advice to farmer about use of weedicide Metsulphuron instead of 24D sodium salt.	We are advising farmers for about use of weedicide Metsulphuron instead of 2-4D sodium salt. • In wheat crop majority farmers use combination of metsulfuron + clodinafop propargyl herbicide. • It was also observed that now a days in sugarcane crop farmer use metasulfuron methyal weedicide.
	KVK should aware farmer about benefits of bio fortified variety of Bajra and Salt resistant variety of Wheat.	• During the training and gosti we created awareness among the wheat growers about benefits of salt resistant variety suitable for our region with 77 participants. • During training program and millet mahostav we gave the information about bio fortified variety. • We promoted bio fortified groundnut variety through demonstrate Girnar 4

Name and Designation of Participants	Salient Recommendations	Action taken
Sh. Harisinh Barad, BTM, ATMA	KVK should provide support to FPO related to Prakrutik kheti.	KVK give plate from to NF FPOs during the mega events at KVK, and also tried to link NFFPOs directly to customer by promotion of NF based agri produce through social media/ICT tools. We linked FPO to direct customer & one on campus training has been given on promotion of natural farming produce through ICT tools.
	KVK should create awareness among the farmers about importance of organic carbon in agriculture and also how to increase organic carbon in soil.	• During the training program of soil science we always give emphasis on the soil health improvement by adding more and more organic matter in the soil and also skilling up extension functionaries through training program for the same. • During swarna samruddhi saptah week celebration aware farmers on importance of soil organic carbon to more than 500 frames.
Sh Rameshbhai Ram, Farmer	KVK should create more awareness for adoption of Natural farming by the farmers.	Total 23 activities conducted on Natural Farming with 656 participants • Two off campus training on natural farming and 58 participants • Create awareness through Community Radio programmes on Natural farming • One awareness program on production and use of organic inputs (FOMs and LFOMs) as part of promotion of Natural farming with 25 farmers. A special two days on campus training on natural farming under out scaling of natural farming project with 40 participants.
Sh. Jashmatbhai Antala, Farmer	KVK should give training and advice to farmer about how to increase fruit setting in mango, because at currently very less flowering converted in to fruit.	• 2 off campus training on increase fruit setting in mango Total beneficiaries 67 and one on campus training has been given on better fruit setting. Field day on management of mango fruit fly has been organized on given FLD at Bhakha village.
	KVK should work on soil nutrient in mango farming.	Most of the mango growers doesn't follow RDF in mango so for that during the year particularly during swarna samruddhi saptah at Jamvala delivered a lecture on nutrient management in mango cultivation & importance of soil organic carbon with more than 80 farmers and also we analyzed 18 samples of mango cultivars and give recommendation for the fertilizer application on soil test based.
	KVK should give training on mango value addition	One off campus training on Mango value addition with 30 farm women
Dr. Swati, Principal Scientist & Head, CMFRI Veraval	KVK should do meeting with CMFRI about Cage farming and do further process in field.	We have already discussed with CMFRI officers regarding cage farming but they are saying that provision is for only SC/ST candidates, we tried so much to find our SC/ST fisherman but unable to get it.
	Regarding demonstration of silver pampano KVK should do meeting with CMFRI in coming months we will think on its possibility in our district.	The in charge CCMFRI and along with the scientist visited our proposed site for silver pompano demonstration and discuss lot many more but finally funding support from CMFRI not received due to technical circumstances.

2. DETAILS OF DISTRICT / JURISDICTION AREA OF KVK

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

S. No	Farming system/enterprise
1	Mono cropping (Groundnut- Wheat, Groundnut-Green gram, Cotton-sesame, Sugarcane – Wheat)
2	Intercropping (Cotton + Groundnut, Cotton + Sesame)
3	Relay cropping (Groundnut with castor, Groundnut with pigeon pea)
4	Horticultural crops i.e. Mango, Coconut, Sapota, Banana, papaya, Pomegranate

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

a) Soil type

S. No.	Agro-climatic Zone	Characteristics
1	South Saurashtra Agro Climatic Zone	The average annual rainfall is 980 mm. the average temperature ranges with 5º C minimum to maximum 46º C. The soil is mostly mixed red and black, medium black and calcareous.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Medium black-with low rainfall	Land texture is Sandy clay to clay with average rain fall is below 750 mm and sea level is 25-75 m.
2	Deep Black Soil with low rainfall	Clay with average rain fall is below 750 mm and sea level is below 25m.
3	Mixed red and black soil with medium rainfall	sandy clay loam to clay loam with average rain fall is 750 to 1000 mm and sea level is below 25-75m
4	Medium black with medium rainfall	Silty clay to clay with average rain fall is 750-1000 mm and sea level is 25-75m.
5	Shallow black soil with medium rainfall	Sandy clay loam to clay with average rain fall is below 750 mm and sea level is 75-150m.
6	Coastal alluvial soil with medium rainfall	Sandy loam to silty clay loam with average rain fall is less than750 mm and sea level is 25-75m.
7	Rocky soil with medium rainfall	Sandy clay loam to clay loam with average rain fall is 750-1000 mm and sea level is 75-300m.
8	Forest soil	Sandy clay loam with average rain fall is more than 1000 mm and sea level is 150-300m.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Medium black	Medium black-with low rainfall	4, 05,188
2	Deep black	Deep Black Soil with low rainfall	17,018
3	Mix red	Mixed red and black soil with medium rainfall	1, 17,938
4	Shallow black	Shallow black soil with medium rainfall	54594
5	Alluvial soil	Coastal alluvial soil with medium rainfall	1, 49,872
6	Rocky soil	Rocky soil with medium rainfall	82,640

2.4. Area, Production and Productivity of major crops cultivated in the area of jurisdiction of KVK

(Area "00" ha., Production "00" MT, Productivity Kg./ha)

S. No	Crop	Area (ha)	Production (MT)	Productivity (kg./ha)
1	Groundnut	1041.38	1426.89	1370.19
2	Wheat	493.60	2099.22	4252.87
3	Gram	288.42	609.01	2111.54
4	Cotton	125.10	314.13	426.87
5	Pearl millet	101.24	251.35	2482.75
6	Green Gram	86.92	106.19	1221.65
7	Black gram	69.31	95.26	1374.36
8	Soybean	52.85	45.58	919.15
9	Sugarcane	46.50	3614.31	77727.00
10	Banana	10.45	759.22	72653.00
11	Sorghum	5.53	6.83	1235.82
12	Maize	0.25	0.57	2273.01

*Source: District agriculture department.

2.5. Weather data (2024)

Month	Rainfall (mm)	Normal Rainy Days (Number)	Temperature (^{0} C)		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January 2024			30.26	14.88	81.52	77.34
February 2024			31.82	17.02	77.35	75.97
March 2024			33.35	19.77	78.35	75.55
April 2024			34.28	21.14	83.82	66.14
May 2024			34.50	25.90	78.27	72.67
June 2024	185.60	5	33.50	25.32	79.60	74.87
July 2024	485.80	21	29.70	23.86	83.10	82.18
August 2024	121.80	8	30.65	23.90	83.50	81.27
September 2024	161.20	6	30.87	23.67	83.87	83.70
October 2024	99.20	5	32.80	23.78	83.18	81.36
November 2024			32.75	20.75	81.17	80.27
December 2024			30.17	16.52	85.27	84.55
Total	**1053.60**	**45**				

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

Category	Population	Production	Productivity
Cattle			
Crossbred	13730	10657005	-
Indigenous	198796	140396685	-
Buffalo	193958	441527638	-
Sheep	22486	-	-

Goats	49163	-	-
Pigs	-	-	-
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	220	-	-
Poultry			
Hens (*Crossbred)*	-	-	-
Desi	-	-	-
Category		-	-
Fish (Reservoir)	-	813284	-

2.7. Details of Operational area / Villages

Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Gir Somnath	Dudana, Rakhej, Kaj, Valadar & Alidar	Groundnut, Soybean, Wheat, Gram, onion, Green gram and Mango orchard	Low productivity due to saline soil and water and lack of knowledge about use of the fertilizer and pesticides. Overuse of chemical fertilizer and pesticides, lack of seriousness about soil health	Promote less water consuming crop, promote IPM, IDM and INM technology and Value addition
	Zalana Vadodara, Gangetha & Chhagiya	Groundnut, cotton, Sugarcane , Wheat, Green gram, Sesame, and coconut orchard	Low productivity due to saline soil and water, lack of knowledge about use of the fertilizer and pesticides and lack of awareness about new technology in agriculture, Overuse of chemical fertilizer and pesticides	Promote less water consuming crop, training conducted on need base and promotion of INM, IPM and IDM technology. Introduction of high yielding variety
	Maljinjva, Shirvan & Bhojde	Groundnut, Cotton, Soybean, sugarcane. Green gram, Coriander. garlic Wheat, and Mango orchard	Not proper information and facility about fruits preservation, dieback & fruit fly damage is major problem, lack of seriousness about soil health	Motivation of farmer to grow horticultural crops, promote IPM, IDM and INM technology and Value addition through agro processing
	Sanakhda, Sayeed Rajapara & Kajardi	Groundnut, Cotton, Wheat, Sesame, Mango orchard and fisheries	Lack of knowledge about use of the fertilizer and pesticides, lack of awareness about new technology in agriculture and dieback & powdery mildew is major problem	Promote IPM, IDM and INM technology, conducted on need base trainings and promotion of INM, IPM and IDM technology, Introduction of high yielding variety and arrange a proper fish marketing channels.
	Jaragali, Vadviyala & Jamvala	Groundnut, Cotton, Sugarcane. Green gram, Onion, Wheat and Mango orchard	Lack of knowledge about use of the fertilizer and pesticides, lack of awareness about new technology in agriculture and powdery mildew is major problem	Conducted on need base trainings and promotion of INM, IPM and IDM technology, Introduction of high yielding variety and Value addition through agro processing
	Savani, Bhetadi & Chanduvav	Groundnut, Cotton, Castor, Wheat, Gram, Soybean, Mango and coconut orchards	Lack of knowledge about use of the fertilizer and pesticides. fruit fly damage is major problem in mango and eriyophyte mite is major problem in coconut	Conducted on need base trainings, promote IPM, IDM and INM technology and Value addition through agro processing

2.8. Priority thrust areas:

3. TECHNICAL ACHIEVEMENTS

3.1. A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
11	11	60	60	29 (ha. 203.5)	29 (ha. 203.5)	510	510

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
105	120	2100	4105	1628	4977	8193	23007

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
31.10	31.10	5000	4845

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
110	312	-	-

3.1. B. Operational areas details during 2024

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Intervention (OFT, FLD, Training, extension activity etc.)*
1	Groundnut, Soybean, wheat, coconut, chick pea, green gram, bajara and Black gram	Low productivity due to soil salinity issue as well as over use of fertilizer. Lack of knowledge about bio inputs uses and pheromone technology.	580 ha	Chouhan ni Khan, Gohil ni khan, vadanagar, Devalpur, Kanjotar and anandpara	Conducted CFLD on Groundnut crop to Promote bio fertilizer, bio pesticide and bio fungicide, pheromone technology, INM technology and IDM technology for the sustainable crop production and environment safety. Information given during training for high yielding variety.
2	Groundnut, Gram, Green Gram, Black Gram, Mango, Coconut	Low productivity due to saline soil and water and lack of knowledge about use of the fertilizer, pesticides. Overuse of chemical fertilizer and pesticides, lack of seriousness about soil health. Whitefly damage is major problem in coconut	530 ha	Kanakiya, Janjariya, Kodidra, Rampara, Prashnavada, Sindhaj, Mitiyaj, vadnagar, arnej, vasoj, shah desar, Chachar, Sugala, Singsar	Promote Natural farming, IPM and IDM, Conducted on need base trainings, Conducted CFLDs on pulses with organic input use.
3	Mango, coconut, brinjal, onion, chilli, turmeric	Low productivity due to saline soil and water and lack of knowledge about use of the fertilizer, pesticides and plastic mulch. Overuse of chemical fertilizer and pesticides, lack of seriousness about soil health	518 ha	Fareda, Zankhiya, Matana, Adpokar, Kadodara, Ronaj, Sonariya, Gangda, Kukras	Promote natural farming, IPM, IDM, INM, Plastic mulch,
4	Groundnut, Cotton, Pigeon pea and cumin	Lack of knowledge integrated approach more use of chemicals, water scarcity.	250 ha	Panidhara, Rangpur	Conducted CFLDs on pulses with use of biological inputs and micro nutrients to promote farmers on integrated approach
5	Natural Kitchen Garden	Lack of knowledge about layout plan and improved varieties	45	Rampara, Alidra, Khera	Promote natural kitchen gardening and promotion of bio productes
6	Spiral seed separate	Lack of knowledge about implement and not available	72	Moradiya, Lodhava, Solaj	Promotion of spiral seed separator to reduce drudgery in separation cleaning of grain seed

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2024, Rabi 2023-24, summer 2024)

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management		1	1		1					3
Varietal Evaluation			2							2
Integrated Pest Management		1			1	1				3
Integrated Crop Management					1					1
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique	1									1
Mushroom cultivation				1						1
Total	2	2	3	1	3	1	0	0	0	11

A2. Abstract on the number of technologies assessed in respect of livestock enterprises

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						1
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
TOTAL						1

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management	Onion	Asssment of bio fertilizer (Azospirilium and PSB) in onion for better production	05	05	02
	Soybean	Assessment of Liquid Bio-fertilizer consortia (NPK) for nutritional Management in Soybean	05	05	02
	Chickpea	Effect of micro nutrient application in chickpea	05	05	02
Varietal Evaluation	Gram	Assessment of new gram variety (Gujarat Junagadh Gram-6) variety	05	05	02
	Green Gram	Assessment of new green gram variety (Gujarat Moong-GM 6) variety	05	05	02
Integrated Pest Management	Mango	Management of mango hopper	05	05	02
	Groundnut	Management of white grub in groundnut	05	05	02
	Onion	Refinements superior technology against nematode management	05	05	02
Integrated Crop Management	Brinjal	Assessment of Navroji Bio Fertilizer in Brinjal Crop	05	05	02
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					-
Drudgery Reduction					
Storage Technique		Assessment of dry heat treatment in improving the self life of pearl millet floor	10	10	-
Mushroom cultivation		Assessment on different varieties of oyster mushroom	05	05	-
Total			**60**	**60**	**18**

B. 2. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

C. 1. Results of Technologies Assessed
Results of On Farm Trial

TRIAL 1

1.	Title	:	**Management of mango hopper**
2.	Problem diagnose/defined	:	Heavy incidence of mango hopper
	Details of technologies selected for assessment /refinement	:	**Treatments:** **T1:** Farmer practices (Improper use of pesticides) **T2:** Two **s**prays of Thiamethoxam 25% WG (3.36 g/10 lit) or Imidacloprid 17.8 SL (2.80 ml/10 lit). First spray at flowering and second spray at 21 days after first spray **T3:** Two sprays of Azadirachtin 1500 ppm 50 ml+10 g. Washing powder / 10 lit. Water. First spray at ETL (5 hopper/inflorance) and second at 10 days after first spray
3.	Source of technology	:	T2 - Navsari Agricultural University and T3 - Anand Agricultural University
4.	Production system thematic area	:	-
5.	Thematic area	:	IPM in Mango
6.	Performance of the technology with performance indicators	:	-
7.	Final recommendation for micro level situation	:	-
8.	Constraints identified and feedback for research	:	For the mango hopper management one spray of Thiamethoxam 25% WG (3.36 g/10 lit) and one spray of Imidacloprid 17.8 SL (2.80 ml/10 lit). First spray at flowering and second spray at 21 days after first spray gave good result.
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

(10). Results of On Farm Trials

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Mango	Irrigated	Heavy incidence of mango hopper	Management of mango hopper	5	**T1:** Farmer practices (Improper use of pesticides) **T2:** Two **s**prays of Thiamethoxam 25% WG (3.36 g/10 lit) or Imidacloprid 17.8 SL (2.80 ml/10 lit). First spray at flowering and second spray at 21 days after first spray **T3:** Two sprays of Azadirachtin 1500 ppm 50 ml+10 g. Washing powder / 10 lit. Water. First spray at ETL (5 hopper/inflorance) and second at 10 days after first spray	Hopper infestation, Yield per hectare, B:C ratio	Treatment : 1 Hopper infestation =12% Yield (q/ha) = 72.90 Treatment : 2 Hopper infestation = 06% Yield (q/ha) = 81.60 Treatment : 3 Hopper infestation = 10% Yield (q/ha) = 77.40	The performance of T_2 (Two **s**prays of Thiamethoxam 25% WG (3.36 g/10 lit) or Imidacloprid 17.8 SL (2.80 ml/10 lit). First spray at flowering and second spray at 21 days after first spray) found much better then T_1 and T_3	For the mango hopper management one spray of Thiamethoxam 25% WG (3.36 g/10 lit) and one spray of Imidacloprid 17.8 SL (2.80 ml/10 lit). First spray at flowering and second spray at 21 days after first spray gave good result.

Technology Assessed	Production (q/ha)	Net Return (Profit) in Rs. / unit*	Cost per ha	B : C Ratio
11	12	13	14	15
T1: Farmer practices (Improper use of pesticides)	72.90	497700	85500	6.82
T2: Two **s**prays of Thiamethoxam 25% WG (3.36 g/10 lit) or Imidacloprid 17.8 SL (2.80 ml/10 lit). First spray at flowering and second spray at 21 days after first spray	81.60	568800	84000	7.77
T3: Two sprays of Azadirachtin 1500 ppm 50 ml+10 g. Washing powder / 10 lit. Water. First spray at ETL (5 hopper/inflorance) and second at 10 days after first spray	77.40	535200	84000	7.37

*Sale price of Mango @ ₹.8000/- per quintal.

Table 2 (A): Percent damage Year:-2023-24

Sr. No.	Name of crop	Variety	Treatment : 1 (Local check)				Treatment : 2				Treatment : 3			
			No. of Local Check	No. of Samples	No. of Damage Samples	Disease incidence %	No. of demo	No. of Samples	No. of Damage Samples	Disease incidence %	No. of demo	No. of Samples	No. of Damage Samples	Disease incidence %
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Mango	Kesar	5	100	06	12	5	100	03	06	5	100	05	10

Sr. No	Name of farmer	Treatment : 1 (Local check)			Treatment : 2			Treatment : 3		
		No. of Samples	No. of Damage Samples	Percent damage (%)	No. of Samples	No. of Damage Samples	Percent damage (%)	No. of Samples	No. of Damage Samples	Percent damage (%)
1	Dobariya Mavjibhai Shamjibhai	20	01	10	20	01	10	20	01	10
2	Dobariya Anantbhai Jerambhai	20	02	20	20	00	00	20	01	10
3	Dobariya Vipulbhai Dhirubhai	20	01	10	20	01	10	20	01	10
4	Kathiriya Dineshbhai Bhikhabhai	20	01	10	20	00	00	20	01	10
5	Mathukiya Chhaganbhai Nathabhai	20	01	10	20	01	10	20	01	10
	Total	100	06	12	100	03	06	100	05	10

TRIAL 2

1.	Title	:	**Assessment of Bio fertilizer (Azospirilium and PSB) in onion for better production**
2.	Problem diagnose/defined	:	No use of Bio fertilizer, Indiscriminate and excess use of chemical fertilizer
	Details of technologies selected for assessment /refinement	:	**T1:** Farmer practices (Control): chemical fertilizer application **T2:** Application of RDF (75:60:50:25 NPKS kg/ha on soil test bases **T3**: 75 % NP with use of Bio fertilizer (Azospirilum and PSB 2.5 kg per ha. Each)
3.	Source of technology	:	**(T2) & (T3):** DOGR, Rajgurunagar (2016)
4.	Production system thematic area	:	
5.	Thematic area	:	Integrated nutrient management
6.	Performance of the technology with performance indicators	:	
7.	Final recommendation for micro level situation	:	
8.	Constraints identified and feedback for research	:	The Farmers satisfied with this trail T_3 : 75 % NP with use of Bio fertiliser (Azospirilum and PSB 2.5 kg per ha. Each)
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

10. Results of On Farm Trials

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Onion	Irrigated	No use of Bio fertilizer, Indiscriminate and excess use of chemical fertilizer	Assessment of Bio Fertilizer (Azospirilium and PSB) in Onion	5	**T_1:**Farmer practices: (Control) **T_2 :** Application of RDF (75 :60 :50 :25 NPKS kg/ha on soil test bases) **T_3 :** 75% NP with use of Bio Fertilizer (Azospirilium and PSB 2.5 kg per ha. Each)	Average wt. of Bulb, Av. Size of bulb , Yield and B:C ratio.	Treatment : 1 Average wt. of Bulb (gm):126 gm. Average Size of Bulb: 44 mm yield per hector: 238 q/ha B:C ratio: 1: 3.15 Treatment : 2 Average wt. of Bulb (gm):135 gm. Average Size of Bulb: 49 mm yield per hector: 278 q/ha B:C ratio: 1: 3.87 Treatment : 3 Average wt. of Bulb (gm):152 gm. Average Size of Bulb: 56 mm yield per hector: 304 q/ha B:C ratio: 1: 4.43	The performance of T_3 is much better then T_1 and T_2	The Farmers satisfied with this trail

Technology Assessed	**Production (q/ha)**	**Net Return (Profit) in Rs. / ha**	**Cost of cultivation per ha**	**B : C Ratio**
11	12	13	14	15
1. T_1 : Farmer practices (control)	238	146355	67845	1:3.15
2. T_2 : Application of RDF (75 :60 :50 :25 NPKS kg/ha on soil test bases)	278	185610	64590	1: 3.87
3. T_3 : 75% NP with use of Bio Fertilizer (Azospirilium and PSB 2.5 kg per ha. Each)	304	211920	61680	1: 4.43

*Selling price of Onion (Average) ₹. 900/- per qt.

TRIAL 3

1.	Title	:	**Refinements superior technology against nematode management in onion**
2.	Problem diagnose/defined	:	Yield losses due to Nematode problem
	Details of technologies selected for assessment /refinement	:	T1: Farmer practices (Control): Used only chemical nematicide - carbofuran 3G, Velum prime T2: Use of organic formulation containing Pseudomonas fluorescens & Trichoderma harzianum has to be sprayed on the plants at regular intervals of 30 days T3: Use of EPN 2.5 kg/ha
3.	Source of technology	:	(T2): IIHR, Bangalore, (T3): IARI, New Delhi
4.	Production system thematic area	:	
5.	Thematic area	:	Integrated Pest Management
6.	Performance of the technology with performance indicators	:	
7.	Final recommendation for micro level situation	:	
8.	Constraints identified and feedback for research	:	Famers satisfied with T3: Use of EPN 2.5 kg/ha
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

(10). Results of On Farm Trials

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Onion	Irrigated	Yield losses due to Nematode problem	Refinements superior technology against nematode management in Onion	5	**T_1:**Farmer practices: (Control) **T_2 :** Use of Pseudomonas fluorescens and Trichoderma harzianum **T_3 :** Use of EPN	No of infested plant per sqm., Bulb diameter, Yield and B:C ratio.	Treatment : 1 No. of infested plant per sqm. :2.8 Average Size of Bulb: 44 mm yield per hector: 223 q/ha B:C ratio: 1: 1.95 Treatment : 2 No. of infested plant per sqm. :1.4 Average Size of Bulb: 49 mm yield per hector: 271 q/ha B:C ratio: 1: 2.77 Treatment : 3 No. of infested plant per sqm. :0.6 Average Size of Bulb: 55 mm yield per hector: 294 q/ha B:C ratio: 1: 3.28	The performance of T_3 is much better then T_1 and T_2	The Farmers satisfied with this trail

Technology Assessed	**Production (q/ha)**	**Net Return (Profit) in Rs. / ha**	**Cost of cultivation per ha**	**B : C Ratio**
11	12	13	14	15
1. T_1 : Farmer practices (control)	223	132855	67845	1:2.95
2. T_2:Use of Pseudomonas fluorescens and Trichoderma harzianum	271	179310	64590	1: 3.77
3. T_3 : Use of EPN	294	202920	61680	1: 4.28

*Selling price of Onion (Average) ₹. 900/- per qt.

TRIAL 4

1.	Title	:	**Assessment of Navroji Novel Plant Growth Booster in Brinjal crop**
2.	Problem diagnose/defined	:	Low production of Brinjal
	Details of technologies selected for assessment /refinement	:	**Treatments:** T1: Farmer practices (Control): use of chemical fertilizer T2: Application of Navroji Novel Plant Growth Booster @1% 150 ml/pump T3: Application of NPK Liquid Bio fertilizer consortium 1 liter/200 liter water
3.	Source of technology	:	(T2) NAU - Navsari (T3) AAU - Anand
4.	Production system thematic area	:	-
5.	Thematic area	:	Nutrient Management
6.	Performance of the technology with performance indicators	:	-
7.	Final recommendation for micro level situation	:	-
8.	Constraints identified and feedback for research	:	The Farmers satisfied with T_2: Application of Navroji Novel Plant Growth Booster @1% 150 ml/pump This technology is eco-friendly, low cost and can be used in natural farming along with this it reduces the cost as well as increases the number of fruit per plant as compare to T1 and T3.
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

(10). Results of On Farm Trials

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Brinjal	Irrigated	Low production potential	Assessment of Navroji Novel Plant Growth Booster in Brinjal crop	5	T1: Farmer practices (Control): use of chemical fertilizer T2: Application of Navroji Novel Plant Growth Booster @1% 150 ml/15 litre water along with 100:50:50 NPK/ha. T3: Foliar application of NPK Liquid Bio fertilizer consortium 1 litre/200 litre water with 100:50:50 NPK/ha.	Technical Indicator 1. No. of fruit per plant 2. Yield (q/ha.)	Treatment : 1 1. No. of fruit per plant:10.64 2. Yield (q/ha.):61.00 Treatment: 2 1. No. of fruit per plant:12.48 2. Yield (q/ha.):69.40 Treatment: 3: 1. No. of fruit per plant:11.20 2. Yield (q/ha.):65.6	The performance of T_2 (Application of Navroji Novel Plant Growth Booster @1% 150 ml/pump) found much better then T_1 and T_3	The Farmers satisfied with this trial

Technology Assessed	Production per unit qt/ha	Gross Return Rs./ha*	Cost per ha	Net Return (Profit) in Rs. / unit/	B : C Ratio
11	12	13	14	15	16
T_1 :Use of chemical fertilizer	61.00	91500	34500	57000	2.65
T_2: Application of Navroji Novel Plant Growth Booster @1% 150 ml/pump	69.40	104100	30650	73450	3.39
T_3: Application of NPK Liquid Bio fertilizer consortium 1 litre/200 litre water	65.60	98400	32440	65960	3.03

*Selling price of Brinjal (Average) ₹. 1500/- per qt.

TRIAL 5

1.	Title	:	**Assessment of new gram variety (Gujarat Junagadh Gram-6) variety**
2.	Problem diagnose/defined	:	Farmer continually use oldest and lower productive traditional variety
	Details of technologies selected for assessment /refinement	:	Sowing of new released variety of chick pea Treatments: T1: Farmer practices (Control): Locally available Chick pea variety GJG-3 T2: Use of new improved variety of chick pea (GJG-6) T3: Use of new improved variety of Chick pea Vikram Phule
3.	Source of technology	:	SAU, (T1 JAU, Junagadh, T2 MPKV, Rahuri)
4.	Production system thematic area	:	
5.	Thematic area	:	Varietal Evaluation
6.	Performance of the technology with performance indicators	:	T2 (GJG-6 was performing the best in terms of numbers of grain, Size of grain and yield as compared to other rest of the variety. While Phule Vikram gave good performance but it is require more amount of water as well as it is suitable majorly early sowing. Both the variety is give good performance in terms of productivity and profitability as compared to T1
7.	Final recommendation for micro level situation	:	
8.	Constraints identified and feedback for research	:	Constrain: Phule vikram have require more no. of irrigation as well as early sowing gave good yield but late sowing not give proper potentiality of yield.
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

(10). Results of On Farm Trials

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Gram	Irrigated	Farmer continually use oldest and lower productive, disease susceptible traditional variety (GJG-3)	Assessment of new gram variety Gujarat Junagadh Gram - 6 (GJG 6)	5	T1: Farmer practices (Control): Locally available Chick pea – GJG-3 T2: Use of new improved variety of Gram (GJG-6) T3: Use of new improved variety of Phule Vikram	Seed Index , Plant height, Yield	Treatment : 1 Plant Height: 47.12 cm Seed Index: 19.7 gram Yield: 16.9 q/ha Treatment : 2 Plant Height: 50.52 cm Seed Index: 18.6 gram Yield: 22.8 q/ha Treatment : 3 Plant Height: 53.04 cm Seed Index: 18.4 gram Yield: 19.7 q/ha	The performance of GJG-6 is overly good	The Farmers satisfied with this trails, he agree with sowing GJG-6 because this variety gave good production

Technology Assessed	**Production (q/ha)**	**Net Return (Profit) in Rs. / unit**	**Cost per ha**	**BC Ratio**
11	12	13	14	15
1. T1: Farmer practices (Control): Locally avalable Chickpea – GJG-3	16.9	48736	41425	2.18
2. T2: Use of new improved variety of Gram (GJG-6)	22.8	82192	39446	3.08
3. T_3 Use of new improved variety of Phule Vikram	19.7	65653	39446	2.66

*Selling price of gram (Average) ₹. 5335/- per qt.

TRIAL 6

1.	Title	:	**Assessment of new green gram variety (Gujarat Moong-GM 6) variety**
2.	Problem diagnose/defined	:	Farmers use oldest variety GM-2/4
	Details of technologies selected for assessment /refinement	:	Sowing of new released variety of green gram Treatments: T1: Farmer practices (Control): Locally available green geam GM 4/2 variety T2: Use of new improved variety of GM-6 T3: Use of new improved variety of Gujarat Anand Moong-5
3.	Source of technology	:	(T2) SDAU, Dantiwada, (T3) AAU, Anand
4.	Production system thematic area	:	
5.	Thematic area	:	Integrated Crop Management
6.	Performance of the technology with performance indicators	:	T1 (GM-6 was performing the best in terms of numbers of grain, Size of grain and yield as compared to other rest of the variety. While GAM-5 gave good performance but grain size is small. Both the variety is give good performance in terms of productivity and profitability as compared to T1
7.	Final recommendation for micro level situation	:	
8.	Constraints identified and feedback for research	:	Constrain: GAM-5 is small size of grain and pod length is slightly small.
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Green gram	Irrigated	Farmer continually use oldest and lower productive, disease susceptible traditional variety (GM 2/4)	Assessment of new gram variety Gujarat Moong - 6 (GM 6)	5	T1: Farmer practices (Control): Locally available variety GM-2/4 T2: Use of new improved variety of green gram (GM-6) T3: Use of new improved variety of GAM-5	Plant height, No of Pod, Yield and Economics	<u>Treatment : 1</u> Plant Height: 47.9 cm No of Pods: 37.1 Test weight: 40.5 gram Yield: 17.25 q/ha <u>Treatment : 2</u> Plant Height: 53.8 cm No of pods: 38.56 Test weight: 53.1 gram Yield: 23.75 q/ha <u>Treatment : 3</u> Plant Height: 53.2 cm No of Pods: 37.5 Test weight: 49.6 gram Yield: 20.6 q/ha	The performance of GM-6 is overly good	The Farmers satisfied with this trails, he agree with sowing GM-6

Technology Assessed	Production (q/ha)	Net Return (Profit) in Rs. / unit	Cost per ha	BC Ratio
11	12	13	14	15
1. T_1 Farmer practices (Control): Locally available variety GM-2/4	11.87	64028	37555	2.70
2. T_2 Use of new improved variety of green gram (GM-6)	17.12	109517	36996	3.96
3. T_3 Use of new improved variety of GAM-5	14.75	89234	36996	3.41

*Selling price of Green gram (Average) ₹. 8558/- per qt.

TRIAL 7

1.	Title	:	**Effect of micronutrient application in chickpea**
2.	Problem diagnose/defined	:	Deteriorate in quality due to micronutrient deficiency in Chickpea
	Details of technologies selected for assessment /refinement	:	Application of multi-micronutrient mixture Grade-V @ 40 kg/ha besides recommended dose of fertilizer (20:40:0 N:P_2O_5:K_2O kg/ha) Treatment:- T_1 - Farmer practices basal application of 150 kg DAP and foliar application of 50 kg Urea 25 DAS. T_2 - Application of multi-micronutrient mixture Grade-V @ 40 kg/ha besides recommended dose of fertilizer (20:40:0 N:P_2O_5:K_2O kg/ha) T_3 - Application of 1% foliar spray of Government notified multi-micronutrient mixture either Grade II (Fe: 6.0, Mn: 1.0, Zn: 4.0, Cu: 0.3 and B: 0.5 per cent) or Grade I (Fe: 2.0, Mn: 0.5, Zn: 4.0, Cu: 0.3 and B: 0.5 per cent) at 30, 45 and 60 days after sowing along with 20 kg N and 40 kg P_2O_5 /ha as basal
3.	Source of technology	:	**(T2):** JAU, Junagadh (2021), **(T3):** AAU, Anand (2021)
4.	Production system thematic area	:	
5.	Thematic area	:	INM in Chickpea
6.	Performance of the technology with performance indicators	:	
7.	Final recommendation for micro level situation	:	On the behalf of First year data farmer should apply multi-micronutrient mixture Grade-V @ 40 kg/ha besides recommended dose of fertilizer (20:40:0 N:P_2O_5:K_2O kg/ha)
8.	Constraints identified and feedback for research	:	The Farmers satisfied with T_3 - Application of multi-micronutrient mixture Grade-V @ 40 kg/ha besides recommended dose of fertilizer (20:40:0 N:P_2O_5:K_2O kg/ha) in the first year trails
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Chickpea	Irrigated	Deteriorate in quality due to micronutrient deficiency in Chickpea	Effect of micronutrient application in chickpea	5	**T_1** - Farmer practices basal application of 150 kg DAP and foliar application of 50 kg Urea 25 DAS. (Control) **T_2** - Application of multi-micronutrient mixture Grade-V @ 40 kg/ha besides recommended dose of fertilizer (20:40:0 $N:P_2O_5:K_2O$ kg/ha) **T_3** - Application of 1% foliar spray of Government notified multi-micronutrient mixture either Grade II (Fe: 6.0, Mn: 1.0, Zn: 4.0, Cu: 0.3 and B: 0.5 per cent) or Grade I (Fe: 2.0, Mn: 0.5, Zn: 4.0, Cu: 0.3 and B: 0.5 per cent) at 30, 45 and 60 days after sowing along with 20 kg N and 40 kg P_2O_5 /ha as basal	-100 seed weight - Yield (qt/ha)	<u>Treatment : 1</u> -100 seed weight =19.34 gm -Yield (qt/ha) = 16.39 <u>Treatment : 2</u> -100 seed weight =22.08 gm -Yield (qt/ha) = 19.88 <u>Treatment : 3</u> -100 seed weight =20.64 gm -Yield (qt/ha) = 18.72	The performance of T_2 - Application of multi-micronutrient mixture Grade-V @ 40 kg/ha besides recommended dose of fertilizer (20:40:0 $N:P_2O_5:K_2O$ kg/ha) is better than T_1 & T_3	The Farmers satisfied with the First year trails

Technology Assessed	Production per unit qt/ha	Gross Return ₹/ha*	Cost per ha	Net Return (Profit) in ₹ / unit	BC Ratio
11	12	13	14	15	16
1. T_1 - Farmer practices basal application of 150 kg DAP and foliar application of 50 kg Urea 25 DAS. (Control)	16.39	88915.75	37100	51815.75	2.40
2. T_2 - Application of multi-micronutrient mixture Grade-V @ 40 kg/ha besides recommended dose of fertilizer (20:40:0 N:P_2O_5:K_2O kg/ha)	19.88	107849	38298	69557	2.82
3. T_3 - Application of 1% foliar spray of Government notified multi-micronutrient mixture either Grade II (Fe: 6.0, Mn: 1.0, Zn: 4.0, Cu: 0.3 and B: 0.5 per cent) or Grade I (Fe: 2.0, Mn: 0.5, Zn: 4.0, Cu: 0.3 and B: 0.5 per cent) at 30, 45 and 60 days after sowing along with 20 kg N and 40 kg P_2O_5 /ha as basal	18.72	101556	41030	60526	2.48

*Average Selling price of Chickpea ₹ 5424/- per qt.

Physico chemicals properties of soil & Water (trails site)

Sr. No.	Trial Site	pH	EC (dSm^{-1})	Organic Carbon (%)	Av. P_2O_5 (kg/ha)	Av. K_2O (kg/ha)
1	I (Shedhaya)	7.93	0.14	0.78	98	477
2	II (Shedhaya)	7.82	0.13	0.24	94	465
3	III (Shedhaya)	7.90	0.18	0.54	58	452
4	IV (Shedhaya)	8.04	0.23	0.36	92	512
5	V (Shedhaya)	7.96	0.25	0.81	34	625

S.No.	Trial Site	EC	pH	SAR	RSC	Ca+Mg	Na	CO3+HCO3	Cl
1	I (Shedhaya)	0.9	7.06	1.11	-2.20	6.40	1.98	4.20	4.10
2	II (Shedhaya)	0.83	6.99	1.19	-2.30	5.80	2.02	3.50	4.40
3	III (Shedhaya)	0.76	7.24	1.21	-2.20	5.40	1.98	3.20	4.10
4	IV (Shedhaya)	0.78	7.1	1.23	-2.40	5.30	2.01	2.90	4.40
5	V (Shedhaya)	0.82	7.01	1.08	-1.30	5.80	1.84	4.50	3.10

TRIAL 8

1.	Title	:	**Assessment of Liquid Bio-fertilizer consortia (NPK) for nutritional Management in Soybean**
2.	Problem diagnose/defined	:	Indiscriminate and excess use of chemical fertilizers
	Details of technologies selected for assessment /refinement	:	Application of 75% RDF(N: P2O5- K2O; 22.5:45:00 kg ha-1) + Seed treatment with NPK consortia (10 ml/kg seed) Treatment:- T_1 - Farmer practices basal application of 150 kg DAP and 50 kg Urea. T_2 - Application of 100 % RDF (N: P2O5- K2O; 30:60:00 kg ha^{-1}) + No use of bio-fertilizers T_3 - Application of 75% RDF(N: P2O5- K2O; 22.5:45:00 kg ha-1)+ Seed treatment with NPK consortia (10 ml/kg seed)
3.	Source of technology	:	T2 & T3 - IISR (2015)
4.	Production system thematic area	:	
5.	Thematic area	:	INM in Soybean
6.	Performance of the technology with performance indicators	:	Experimenter indicate that treatment T3 gave a good result in the terms of production as compare to T1 and T2
7.	Final recommendation for micro level situation	:	On the behalf of secound year data farmer should apply 75% RDF(N: P2O5- K2O; 22.5:45:00 kg ha-1)+ Seed treatment with NPK consortia (10 ml/kg seed)
8.	Constraints identified and feedback for research	:	The Farmers satisfied with T_3 - Application of 75% RDF(N: P2O5- K2O; 22.5:45:00 kg ha-1)+ Seed treatment with NPK consortia (10 ml/kg seed) in the first year trails
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Soybean	Irrigated	Indiscriminate and excess use of chemical fertilizers	Assessment of Liquid Bio-fertilizer consortia (NPK) for nutritional Management in Soybean	5	T_1 - Farmer practices basal application of 150 kg DAP and 50 kg Urea. (Control) T_2 - Application of 100 % RDF (N: P2O5- K2O; 30:60:00 kg ha^{-1}) + No use of bio-fertilizers T_3 - Application of 75% RDF (N: P2O5- K2O; 22.5:45:00 kg ha-1) + Seed treatment with NPK consortia (10 ml/kg seed)	-No of pods per plant - grain Yield (qt/ha)	Treatment : 1 -No of pods per plant =57.16 -Grain yield (qt/ha) = 20.80 Treatment : 2 -No of pods per plant =62.88 -Grain yield (qt/ha) = 22.96 Treatment : 3 -No of pods per plant =66.96 -Grain yield (qt/ha) = 24.79	The performance of T_3 - Application of 75% RDF(N: P2O5- K2O; 22.5:45:00 kg ha-1) + Seed treatment with NPK consortia (10 ml/kg seed) is better than $T_{1\ \&}$ T_2	The Farmers satisfied with the second year trails

Technology Assessed	Production per unit qt/ha	Gross Return Rs./ha*	Cost per ha	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14	15	16
1. T_1 - Farmer practices basal application of 150 kg DAP and 50 kg Urea. (Control)	20.80	87360.0	34660.0	52700.0	2.52
2. T_2 - Application of 100 % RDF (N: P2O5- K2O; 30:60:00 kg ha^{-1}) + No use of bio-fertilizers	22.96	96432.0	34293.5	62138.5	2.81
3. T_3 - Application of 75% RDF(N: P2O5- K2O; 22.5:45:00 kg ha-1)+ Seed treatment with NPK consortia (10 ml/kg seed)	24.79	104118.0	33245.5	70872.5	3.13

*Average Selling price of Soybean ₹. 4200/- per qt.

Physico chemicals properties of soil & Water (trails site)

Sr. No.	Trial Site	pH	EC (dSm^{-1})	Organic Carbon (%)	Av. P_2O_5 (kg/ha)	Av. K_2O (kg/ha)
1	I (Ghatvad)	8.11	0.35	0.63	17	325
2	II (Chidivav)	8.23	0.51	0.60	21	329
3	III (Chidivav)	8.14	0.42	0.72	30	356
4	IV (Chidivav)	7.99	0.45	0.66	29	302
5	V (Chidivav)	8.07	0.38	0.63	32	343

S.No.	Trial Site	EC	pH	SAR	RSC	Ca+Mg	Na	CO3+HCO3	Cl
1	I (Ghatavad)	1.11	7.28	4.01	0.50	4.50	6.02	5.00	5.60
2	II (Chidivav)	1.79	7.38	2.79	-5.30	10.70	6.46	5.40	11.80
3	III (Chidivav)	1.71	7.25	2.55	-3.30	10.50	5.84	7.20	9.20
4	IV (Chidivav)	1.03	7.41	4.05	0.20	4.10	5.80	4.30	5.50
5	V (Chidivav)	1.08	7.36	4.00	0.70	4.30	5.86	5.00	5.20

TRIAL 9

1.	Title	:	**Management of white grub in groundnut**
2.	Problem diagnose/defined	:	Infestation of white grub in groundnut
	Details of technologies selected for assessment /refinement	:	**Treatments:** **T_1: Farmer Practices: -** Injudicious use of pesticides. Use of chlorpyriphos, quinalphos, clothianidine, imidacloprid+ Fipronil, Thiamethoxam after infestation of white grub as post application. **T_2:** Recommended dose of Pesticide as Quinalphos @ 25 ml/kg seed. Drenching of Quinalphos @ 4 lit/ha as initiation of pest incidence **T_3:** Application of ready mix combination of Imidacloprid 40% + Fipronil 40% WG@ 2.5 g/kg seed. Drenching of ready mix combination of Imidacloprid 40% + Fipronil 40% WG @ 250 g/ha as initiation of pest incidence.
3.	Source of technology	:	T2 & T3 JAU- Junagah
4.	Production system thematic area	:	-

5.	Thematic area	:	IPM in Groundnut
6.	Performance of the technology with performance indicators	:	-
7.	Final recommendation for micro level situation	:	-
8.	Constraints identified and feedback for research	:	The Farmers satisfied with T_3 : Recommended Practices Application of ready mix combination of Imidacloprid 40% + Fipronil 40% WG@ 2.5 g/kg seed. Drenching of ready mix combination of Imidacloprid 40% + Fipronil 40% WG @ 250 g/ha as initiation of pest incidence.
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

Crop	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Groundnut	Irrigated	Infestation of white grub in groundnut	Management of white grub in groundnut	5	**T_1: Farmer Practices: -** Injudicious use of pesticides. Use of chlorpyriphos, quinalphos, clothianidine, imidacloprid+ Fipronil, Thiamethoxam after infestation of white grub as post application. **T_2:** Recommended dose of Pesticide as Quinalphos @ 25 ml/kg seed. Drenching of Quinalphos @ 4 lit/ha as initiation of pest incidence **T_3:** Application of ready mix combination of Imidacloprid 40% + Fipronil 40% WG@ 2.5 g/kg seed. Drenching of ready mix combination of Imidacloprid 40% + Fipronil 40% WG @ 250 g/ha as initiation of pest incidence.	No. of grub per 1 meter row length, yield /ha and B:C ratio	<u>Treatment : 1</u> No. of grub per 1 meter row length =4 Yield (q/ha) = 18.24 <u>Treatment : 2</u> No. of grub per 1 meter row length =2 Yield (q/ha) = 20.50 <u>Treatment : 3</u> No. of grub per 1 meter row length =1 Yield (q/ha) = 22.74	The performance of T_3 (especially in application of ready mix combination of Imidacloprid 40% + Fipronil 40% WG@ 2.5 g/kg seed. Drenching of ready mix combination of Imidacloprid 40% + Fipronil 40% WG @ 250 g/ha as initiation of pest incidence found much better then T_1 and T_2	The Farmers satisfied with this trial

Technology Assessed	Production (q/ha)	Net Return (Profit) in Rs. / unit*	Cost per ha	B : C Ratio
11	12	13	14	15
T_1: Farmer Practices: - Injudicious use of pesticides. Use of chlorpyriphos, quinalphos, clothianidine, imidacloprid+ Fipronil, Thiamethoxam after infestation of white grub as post application.	18.24	72521	66200	2.09:1
T_2: Recommended dose of Pesticide as Quinalphos @ 25 ml/kg seed. Drenching of Quinalphos @ 4 lit/ha as initiation of pest incidence	20.50	91651	62400	2.46:1
T_3: Application of ready mix combination of Imidacloprid 40% + Fipronil 40% WG@ 2.5 g/kg seed. Drenching of ready mix combination of Imidacloprid 40% + Fipronil 40% WG @ 250 g/ha as initiation of pest incidence.	24.74	120411	62400	2.92:1

*Sale price of Groundnut @ ₹. 6783/- per quintal and fodder price ₹. 15000/- per ha.

TRIAL 10

1.	Title	:	**Assessment of dry heat treatment in improving the shelf life of pearl millet flour**
2.	Problem diagnose/defined	:	Bajra flour turns bitter & rancid during storage
	Details of technologies selected for assessment /refinement	:	**Treatments:** T1: Farmers' practice –Direct milling of Bajra flour T2: Dry heat treatment before milling (oven for 2 hours) T3: Blanching of seeds before milling
3.	Source of technology	:	(T2) CCS, Haryana Agriculture University, Hisar, (T3) MPKV, Rahuri
4.	Production system thematic area	:	-
5.	Thematic area	:	Storage Technique
6.	Performance of the technology with performance indicators	:	-
7.	Final recommendation for micro level situation	:	-
8.	Constraints identified and feedback for research	:	T3 blanching (Bajara blanched hot water for 30 seconds and dry & ground into flour) was increased 20 days to one month by blanching technique. They were very happy to use this technique for Bajara flour.
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

Technology options	Increase in shelf life (Days)	Overall Acceptability (%)
Farmers Practice (T1)	7 days	Good
Assessed Practice (T2)	10 days	Better
Assessed Practice (T3)	20 days	Best, there was no color change in terms of color, taste, flavor, texture up to 20 days to one month and overall acceptable by farm women

TRIAL 11

1.	Title	:	**Assessment on different varieties of oyster mushroom cultivation**
2.	Problem diagnose/defined	:	Lack of knowledge about various type of oyster mushroom
	Details of technologies selected for assessment /refinement	:	**Treatments:** T1: Farmers' practice: Dhingari mushroom T2: Recommendation practice: Sajor Kaju (Grey) T3: Recommendation Practice: Sajor Kaju (Blue)
3.	Source of technology	:	T2 & T3 DMR, Solan
4.	Production system thematic area	:	-
5.	Thematic area	:	Mushroom cultivation
6.	Performance of the technology with performance indicators	:	-
7.	Final recommendation for micro level situation	:	-
8.	Constraints identified and feedback for research	:	T3 Pleurotus blue has high yield and/less duration compared to T1 Dhingari mushroom and T2 Pleurotus Sajor Kaju grey.
9.	Process of farmers participation and their reaction	:	Group meeting and field visits

Technology options	Production	Unit (kg/ha)	Cost of cultivation/ kg	Gross Return	Net return Profit in ₹/Unit	B:C Ratio
T1:	70 kg	Kg/20 beds	1400	21000	19600	**4.6**
T2:	75 kg	Kg/50 beds	1500	22500	21000	**5.0**
T3:	100kg	Kg/50 beds	2000	30000	28000	**6.7**

3.3. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2024 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Chickpea (Rabi-2023)	Natural Farming	Use of Brijamreet and Jivamreet for nutrientional management	Training, field visit and demonstration	1	5	2
2	Wheat (Rabi-2023)	Variety Introduction	Performance evaluation of wheat variety GW-499	Training, field visit and demonstration	1	6	2.5
3	Wheat (Rabi-2023)	Variety Introduction	Performance of salt tolerant variety of wheat (KRL-210)	Training, field visit and demonstration	3	12	5
4	Chickpea (Rabi-2023)	Integrated Nutrient Management	Effect of foliar spray of 2% KNO3 in chickpea crop	Training, field visit and demonstration	1	12	5
5	Mango (Rabi-2023)	Integrated Pest Management	Integrated management of fruit fly infestation in mango	Training, field visit and demonstration	1	5	2
6	Chickpea (Rabi-2023)	Integrated Pest Management	Application of bio pesticide and Insecticide for Pod borer management in Chickpea	Training, field visit and demonstration	1	12	5
7	Chickpea (Rabi-2023)	Integrated Disease Management	Application of Carbendazim as seed treatment for Wilt management	Training, field visit and demonstration	1	12	5
8	Onion (Rabi-2023)	Integrated Nutrient Management	Effect of sulphur for higher yield in onion	Training, field visit and demonstration	1	5	2
9	Chili (Rabi-2023)	Water Management	Efficient use of irrigation water & better yield in Chili	Training, field visit and demonstration	4	5	2
10	Mango (Rabi-2023)	Integrated Nutrient Management	Effect of Novel 2% for increasing quality and Production of Mango	Training, field visit and demonstration	1	5	2
11	Coconut (Summer 2024)	Natural Farming	Use of Jivamreet with irrigation water in coconut for yield enhancement	Training, field visit and demonstration	1	5	2
12	Wheat (Rabi-2023)	Farm waste Management	Effect of waste decomposer on quality of manure in wheat crop	Training, field visit and demonstration	1	10	-
13	Groundnut (Kharif-2024)	Variety Introduction	Performance evaluation of groundnut variety Girnar – 4	Training, field visit and demonstration	1	5	2
14	Soybean (Kharif-2024)	Variety Introduction	Performance of soybean variety GJS-4	Training, field visit and demonstration	1	5	2
15	Soybean (Kharif-2024)	Integrated Nutrient Management	Performance of Bio-fertilizers (Mycorrhiza) in Soybean Crop	Training, field visit and demonstration	2	12	5
16	Cotton (Kharif-2023)	Integrated Nutrient Management	Efficacy of multi-micronutrient formulation in improving crop production of Bt cotton	Training, field visit and demonstration	1	5	2
17	Groundnut (Kharif-2024)	Integrated Disease Management	Integrated management practices to minimize infection of collar rot and stem rot diseases in Groundnut	Training, field visit and demonstration	2	12	5
18	Groundnut (Kharif-2024)	Natural Farming	Spraying of Dasparni Ark for the management of pest in groundnut	Training, field visit and demonstration	1	5	2

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
19	Vermi compost (Kharif-2024)	Farm waste management	Performance of vermi compost in soybean crop	Training, field visit and demonstration	1	5	-
20	Soybean (Kharif 2024)	Integrated crop management	Intervention with promotion of new soybean variety with use of bio agents	Training, field visit and demonstration	12	150	60
21	Groundnut (Kharif 2024)	Integrated crop management	Intervention with promotion of groundnut GJG-32 variety with use of bio agents	Training, field visit and demonstration	15	125	50
22	Green Gram (Summer 2024) **SCSP**	Integrated crop management	Intervention with promotion of new green gram variety GNM-6 with the use of bio fertilizer	Training, field visit and demonstration	5	25	5
23	Black Gram (Summer 2024) **TSP**	Integrated crop management	Intervention of black gram variety GU-2 with bio inoculants	Training, field visit and demonstration	1	25	10
24	Nutrition Garden (Kharif 2024)	Helath and Nutritional	Improvement the health as well as economic status through nutrition garden	Training, field visit and demonstration	15	93	-
25	Spiral seed separator	Drudgery reduction	Use of spiral seed separator for value for value addition in soybean seed	Training, field visit and demonstration	4	15	-
26	Bajara Biscuit	Value addition	Preparation of bajara biscuit as a high nutrient diet for farm women	Training, field visit and demonstration	1	10	-
27	Drum Stick	Helath and Nutritional	Drumstick leaves powder as nutritional supplement in farm women	Training, field visit and demonstration	1	10	-
28	Pro Super Bag	Grain Storage	Use of pro super bag for storage of different pulses dales	Training, field visit and demonstration	7	10	-
29	Dairy Cow	Dairy Management	Use of bullet grass as a green fodder to increase milk production in Gir cattle	Training, field visit and demonstration	2	5	-

B. Details of FLDs implemented during 2024 **(Kharif 2024, Rabi 2023-24, Summer 2024)** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Chickpea (Rabi-2023)	Natural Farming	Use of Brijamreet and Jivamreet for nutrientional management	Rabi 2023	2	2		5	5	
2	Wheat (Rabi-2023)	Variety Introduction	Performance evaluation of wheat variety GW-499	Rabi 2023	2.5	2.5		6	6	
3	Wheat (Rabi-2023)	Variety Introduction	Performance of salt tolerant variety of wheat (KRL-210)	Rabi 2023	5	5		12	12	
4	Chickpea (Rabi-2023)	Integrated Nutrient Management	Effect of foliar spray of 2% KNO3 in chickpea crop	Rabi 2023	5	5	12	0	12	
5	Mango	Integrated Pest	Integrated management of fruit fly infestation in mango	Rabi 2023	2	2		5	5	

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
	(Rabi-2023)	Management								
6	Chickpea (Rabi-2023)	Integrated Pest Management	Application of bio pesticide and Insecticide for Pod borer management in Chickpea	Rabi 2023	5	5	1	11	12	
7	Chickpea (Rabi-2023)	Integrated Disease Management	Application of Carbendazim as seed treatment for Wilt management	Rabi 2023	5	5	2	10	12	
8	Onion (Rabi-2023)	Integrated Nutrient Management	Effect of sulphur for higher yield in onion	Rabi 2023	2	2		5	5	
9	Chili (Rabi-2023)	Water Management	Efficient use of irrigation water & better yield in Chili	Rabi 2023	2	2		5	5	
10	Mango (Rabi-2023)	Integrated Nutrient Management	Effect of Novel 2% for increasing quality and Production of Mango	Rabi 2023	2	2		5	5	
11	Coconut (Summer 2024)	Natural Farming	Use of Jivamreet with irrigation water in coconut for yield enhancement	Summer 2024	2	2		5	5	
12	Wheat (Rabi-2023)	Farm waste Management	Effect of waste decomposer on quality of manure in wheat crop	Rabi 2023	-	-		10	10	
13	Groundnut (Kharif-2024)	Variety Introduction	Performance evaluation of groundnut variety Girnar – 4	Kharif 2024	2	2	1	4	5	
14	Soybean (Kharif-2024)	Variety Introduction	Performance of soybean variety GJS-4	Kharif 2024	2	2		5	5	
15	Soybean (Kharif-2024)	Integrated Nutrient Management	Performance of Bio-fertilizers (Mycorrhiza) in Soybean Crop	Kharif 2024	5	5	12		12	
16	Cotton (Kharif-2023)	Integrated Nutrient Management	Efficacy of multi-micronutrient formulation in improving crop production of Bt cotton	Kharif 2023	2	2		5	5	
17	Groundnut (Kharif-2024)	Integrated Disease Management	Integrated management practices to minimize infection of collar rot and stem rot diseases in Groundnut	Kharif 2024	5	5	2	10	12	
18	Groundnut (Kharif-2024)	Natural Farming	Spraying of Dasparni Ark for the management of pest in groundnut	Kharif 2024	2	2	5		5	
19	Vermi compost (Kharif-2024)	Farm waste management	Performance of vermi compost in soybean crop	Kharif 2024	-	-	5		5	
20	Soybean (Kharif 2024)	Integrated crop management	Intervention with promotion of new soybean variety with use of bio agents	Kharif 2024	60	60	30	120	150	
21	Groundnut (Kharif 2024)	Integrated crop management	Intervention with promotion of groundnut GJG-32 variety with use of bio agents	Kharif 2024	50	50	2	123	125	
22	Green Gram (Summer 2024) **SCSP**	Integrated crop management	Intervention with promotion of new green gram variety GNM-6 with the use of bio fertilizer	Summer 2024	5	5	25		25	
23	Black Gram (Summer 2024) **TSP**	Integrated crop management	Intervention of black gram variety GU-2 with bio inoculants	Summer 2024	10	10	25		25	
24	Nutrition Garden	Helath and Nutritional	Improvement the health as well as economic status through nutrition garden	Kharif 2024	-	-	42	51	93	

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
	(Kharif 2024)									
25	Spiral seed separator	Drudgery reduction	Use of spiral seed separator for value for value addition in soybean seed	Kharif 2024	-	-	0	15	15	
26	Bajara Biscuit	Value addition	Preparation of bajara biscuit as a high nutrient diet for farm women	Summer 2024	-	-		10	10	
27	Drum Stick	Helath and Nutritional	Drumstick leaves powder as nutritional supplement in farm women	Rabi 2023	-	-	10		10	
28	Pro Super Bag	Grain Storage	Use of pro super bag for storage of different pulses dales	Summer 2024	-	-		10	10	
29	Dairy Cow	Dairy Management	Use of bullet grass as a green fodder to increase milk production in Gir cattle	Rabi 2023	-	-		5	5	

Details of farming situation

Sr. No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P	K					
1	Chickpea (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Groundnut	11-11-2023	17-02-2024	1053.60	45
2	Wheat (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Groundnut	18-11-2023	27-02-2024	1053.60	45
3	Wheat (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Groundnut	13-11-2023	31-03-2024	1053.60	45
4	Chickpea (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Soybean	14-11-2023	24-02-2024	1053.60	45
5	Mango (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Mango	11-11-2023	28-05-2024	1053.60	45
6	Chickpea (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Soybean	14-11-2023	12-02-2024	1053.60	45
7	Chickpea (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Soybean	09-11-2023	15-02-2024	1053.60	45
8	Onion (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Groundnut	13-01-2024	08-05-2024	1053.60	45
9	Chili (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Groundnut	04-12-2023	08-04-2024	1053.60	45
10	Mango (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Mango	16-01-2024	20-05-2024	1053.60	45
11	Coconut (Summer 2024)	Summer 2024	Irrigated	Medium Black	L	M	H	Coconut	18-03-2024	18-09-2024	1053.60	45
12	Wheat (Rabi-2023)	Rabi 2023	Irrigated	Medium Black	L	M	H	Groundnut	05-11-2023	25-03-2024	1053.60	45

Sr. No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P	K					
13	Groundnut (Kharif-2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Black Gram	10-06-2024	06-10-2024	1053.60	45
14	Soybean (Kharif-2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Green Gram	28-06-2024	21-10-2024	1053.60	45
15	Soybean (Kharif-2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Green Gram	08-07-2024	20-10-2024	1053.60	45
16	Cotton (Kharif-2023)	Kharif 2023	Irrigated	Medium Black	L	M	H	Pearl millet	06-08-2023	01-04-2024	1053.60	45
17	Groundnut (Kharif-2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Pearl millet	18-06-2024	28-10-2024	1053.60	45
18	Groundnut (Kharif-2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Pearl millet	20-06-2024	28-10-2024	1053.60	45
19	Vermi compost (Kharif-2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Green Gram	10-07-2024	28-10-2024	1053.60	45
20	Soybean (Kharif 2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Black Gram	21-06-2024	07-10-2024	1053.60	45
21	Groundnut (Kharif 2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	Green Gram	15-06-2024	06-10-2024	1053.60	45
22	Green Gram (Summer 2024) **SCSP**	Summer 2024	Irrigated	Medium Black	L	M	H	Wheat	05-03-2024	15-05-2024	1053.60	45
23	Black Gram (Summer 2024) **TSP**	Summer 2024	Irrigated	Medium Black	L	M	H	Sesame	01-03-2024	18-05-2024	1053.60	45
24	Nutrition Garden (Kharif 2024)	Kharif 2024	Irrigated	Medium Black	L	M	H	-	-	-	-	-
25	Spiral seed separator	Kharif 2024	Irrigated	Medium Black	L	M	H	-	-	-	-	-
26	Bajara Biscuit	Summer 2024	Irrigated	Medium Black	L	M	H	-	-	-	-	-
27	Drum Stick	Rabi 2023	Irrigated	Medium Black	L	M	H	-	-	-	-	-
28	Pro Super Bag	Summer 2024	Irrigated	Medium Black	L	M	H	-	-	-	-	-
29	Dairy Cow	Rabi 2023	Irrigated	Medium Black	L	M	H				-	-

Technical Feedback on the demonstrated technologies and Farmers' reactions on specific Technologies

S. No	Crops	Technology	Feed Back
1	Chickpea (Rabi-2023)	Use of Brijamreet and Jivamreet for nutrientional management	Farmers notice the effect of jivamreet reflect on crop yield and reduce cost of fertilizer and other agro inputs.
2	Wheat (Rabi-2023)	Performance evaluation of wheat variety GW-499	This variety gave higher yield, mature early and lodging resistance so farmer select this variety for sowing next season
3	Wheat (Rabi-2023)	Performance of salt tolerant variety of wheat (KRL-210)	The farmer are interested to grow this varietal seed in salt tolerant soils of up to pH 9.3 and EC 7.3 dS/m. The variety takes long duration as compared to other varieties and due to that farmer need to do early sowing of this variety.
4	Chickpea (Rabi-2023)	Effect of foliar spray of 2% KNO3 in chickpea crop	The farmer are interested to foliar spray of this fertilizer in chickpea crop and satisfied with the seed yield and quality.
5	Mango (Rabi-2023)	Integrated management of fruit fly infestation in mango	Use of methyl eugenol trap is good for monitoring fruit fly infestation and azadirachtin spray for fruit fly management
6	Chickpea (Rabi-2023)	Application of bio pesticide and Insecticide for Pod borer management in Chickpea	Spray HaNPV is low cost and eco-friendly technology and gave good result against pod borer management
7	Chickpea (Rabi-2023)	Application of Carbendazim as seed treatment for Wilt management	Farmers are satisfied with seed treatment technique and use of Trichoderma with castor cake for wilt management
8	Onion (Rabi-2023)	Effect of sulphur for higher yield in onion	Sulphur in onion for higher yield due anti-fungal agent as well as quality bulb production
9	Chili (Rabi-2023)	Efficient use of irrigation water & better yield in Chili	Plastic mulch in chilli is water saving and higher yielding technology.
10	Mango (Rabi-2023)	Effect of Novel 2% for increasing quality and Production of Mango	Farmers are interested to use this technology because it is low-cost technology
11	Coconut (Summer 2024)	Use of Jivamreet with irrigation water in coconut for yield enhancement	Farmers are interested to use this technology because it is low-cost technology
12	Wheat (Rabi-2023)	Effect of waste decomposer on quality of manure in wheat crop	This technology of waste decomposer is very effective for the composting of organic matter and It is easy and required less time for composting of organic waste material
13	Groundnut (Kharif-2024)	Performance evaluation of groundnut variety Girnar – 4	This variety require less amount of pesticide and gave good yield and fodder. The major issue is mite problem occurs at latter stage of crop.
14	Soybean (Kharif-2024)	Performance of soybean variety GJS-4	Farmers are interested to grow this variety because less pest and disease attack also growth and height of GS-4 is vigorous as compare to JS-335 & GJS-3.
15	Soybean (Kharif-2024)	Performance of Bio-fertilizers (Mycorrhiza) in Soybean Crop	The farmers are interested to use this technology because it gives very good result in crop yield and quality soybean. The number of pods also increase by the using of this bio fertilizer.
16	Cotton (Kharif-2023)	Efficacy of multi-micronutrient formulation in improving crop production of Bt cotton	The farmers are interested to use this technology because with the use of micro nutrient farmer got good result and satisfied with yield performance
17	Groundnut (Kharif-2024)	Integrated management practices to minimize infection of collar rot and stem rot diseases in Groundnut	Treatment of seed with Mancozeb 75 % WP 3 gm/kg seed and Trichoderma harzianum 2.5 kg/ha with 250 kg castor cake/ha Furrow application at the time of sowing is effective for collar rot and stem rot management and low cost.
18	Groundnut (Kharif-2024)	Spraying of Dasparni Ark for the management of pest in groundnut	Dasparani Ark prepare and use in groundnut gave good result in primary infection of heliothis and sucking pests but preparation method is time consuming
19	Vermi compost (Kharif-2024)	Performance of vermi compost in soybean crop	The farmers were satisfied after using of vermicompost in soybean instead of FYM it is found effective against crop growth and yield point of view

S. No	Crops	Technology	Feed Back
20	Soybean (Kharif 2024)	Intervention with promotion of new soybean variety with use of bio agents	Farmers are highly satisfied with the variety KDS 726 as well as bio inputs and found better production
21	Groundnut (Kharif 2024)	Intervention with promotion of groundnut GJG-32 variety with use of bio agents	Farmers are satisfied with use of bio agents like bio-pesticide and bio-fertilizers along with pheromone trap in Kharif groundnut instead of chemical pesticides and fertilizer
22	Green Gram (Summer 2024) **SCSP**	Intervention with promotion of new green gram variety GNM-6 with the use of bio fertilizer	Farmer got very good result as compared to old variety. GNM 6 is disease resistant variety and getting good results.
23	Black Gram (Summer 2024) **TSP**	Intervention of black gram variety GU-2 with bio inoculants	The proper application of RDF and bio fertilizer gave good response on crop yield as well as bio fungicide and bio pesticide found effective against pest and disease so, cost of cultivation was reduced
24	Nutrition Garden (Kharif 2024)	Improvement the health as well as economic status through nutrition garden	Farmwomen are happy with this FLD and getting more green vegetables for their own use before this intervention they were using local /old varieties of different vegetables with less production
25	Spiral seed separator	Use of spiral seed separator for value for value addition in soybean seed	Its cleaning quality is very good and getting more market price, easily remove dust, spoiled grain, small grain, sand, leaves and dust. This separator is hand operated and no any other expenses have to pay.
26	Bajara Biscuit	Preparation of bajara biscuit as a high nutrient diet for farm women	Bajara is good for diabetic person, good for heart and full of rich with nutrient and also taste wise good and locally available
27	Drum Stick	Drumstick leaves powder as nutritional supplement in farm women	Farmwomen happy to use drumstick powder because protect tissue and reduce pain also making bones healthier, it is more nutritious and easily available at nearby home
28	Pro Super Bag	Use of pro super bag for storage of different pulses dales	Farm women are very happy to use pro super bags because longer self life of pulse dal, reducing spoilage, preserving quality and cost effective also Ecofriendly and reuseable.
29	Dairy Cow	Use of bullet grass as a green fodder to increase milk production in Gir cattle	Farmers were happy to use this bullet grass technology because increase the milk production than other green fodder technology

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	25	27-02-2024, 29-02-2024, 19-02-2024, 04-01-2024, 08-01-2024, 06-02-2024, 23-02-2024, 29-03-2024, 29-03-2024, 07-02-2024, 11-05-2024, 25-05-2024, 20-09-2024, 20-09-2024, 25-09-2024, 27-09-2024, 30-09-2024, 09-10-2024, 17-09-2024, 19-09-2024, 24-09-2024, 04-10-2024, 03-10-2024, 01-10-2024, 09-10-2024	**654**	
2	Farmers Training	5	15-07-2024, 25-11-2024, 23-11-2024, 25-11-2024, 03-12-2024	**65**	
3	Media coverage	-		-	
4	Training for extension functionaries	-		-	

C. Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Groundnut	Varietal	Performance evaluation of groundnut variety Girnar – 4	Girnar-4	5	2	31.25	28.12	29.62	27.25	8.69	55020	200912	145892	3.65	55260	184836	129576	3.34
Soybean	Varietal	Performance of soybean variety GJS-4	GJS-4	5	2	28.13	22.50	25.85	25.25	2.37	39356	126561	87205	3.21	40890	123624	82734	3.02
Soybean	INM	Performance of Bio-fertilizers (Mycorrhiza) in Soybean Crop	-	12	5	28.75	16.25	21.04	19.63	7.18	33887	87316	53429	2.58	34980	81464.5	46484.5	2.33
Groundnut	IDM	Integrated management practices to minimize infection of collar rot and stem rot diseases in Groundnut	-	12	5	30.00	21.25	24.27	22.00	10.31	63600	179623	116023	2.82	62400	16426	101826	2.63
Groundnut	Natural farming	Spraying of Dasparni Ark for the management of pest in groundnut	-	5	2	24.20	17.60	20.80	20.20	2.97	63600	156086	92486	2.45	62400	152016	89616	2.43
Soybean	ICM	Intervention with promotion of new soybean variety with use of bio agents	-	150	60	26.97	19.11	23.49	21.28	10.47	33323.3	114937.5	81614.24	3.45	34535	104089.5	69554.53	3.01
Groundnut	ICM	Intervention with promotion of groundnut GJG-32 variety with use of bio agents	GJG-32	125	50	32.39	19.25	27.87	22.99	21.23	59830	177778	129266	2.97	60750	146620	87798	2.41

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

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Chickpea	Natural farming	Use of Brijamreet and Jivamreet for nutrientional management		5	2	21.88	18.75	20.57	20.00	2.85	38241	111901	73660	2.92	43859	108800	64940	2.48
Chickpea	INM	Effect of foliar spray of 2% KNO3 in chickpea crop		12	5	22.46	14.98	17.88	15.80	13.16	37249	95211	57962	2.55	36750	84135	47385	2.28
Chickpea	IPM	Application of bio pesticide and Insecticide for Pod borer management in Chickpea	-	12	5	20.70	15.30	17.78	16.43	8.21	31500	94856.3	63356.3	3.01	34800	87654.05	52854.05	2.52
Chickpea	IDM	Application of Carbendazim as seed treatment for Wilt management		12	5	19.38	15.00	17.14	15.90	7.79	31500	91441.9	59941.9	2.90	34800	84826.5	50026.5	2.44
Green Gram	ICM	Intervention with promotion of new green gram variety GNM-6 with the use of bio fertilizer	GNM-6	25	5	33.75	15.00	22.08	20.10	9.85	34440	199824	165384	5.80	34910	182176.5	147266.5	5.21
Black Gram	ICM	Intervention of black gram variety GU-2 with bio inoculants	GU-2	25	10	16.25	10.63	13.43	11.65	15.27	38735	99382	60647	2.56	37525	86210	48685	2.29

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

** BCR= GROSS RETURN/GROSS COST

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Wheat	Varietal	Performance evaluation of wheat variety GW-499	6	2.5	55.00	45.00	51.04	36.87	38.43			36642	116120	79478	3.16	45073	83879	38805	1.86
Wheat	Varietal	Performance of salt tolerant variety of wheat (KRL-210)	12	5	37.50	23.30	31.27	28.77	8.69			33043	73484.5	40441.5	2.22	35150	67609.5	32459.5	1.92
Wheat	Farm waste management	Effect of waste decomposer on quality of manure in wheat crop	10	-	43.00	34.50	38.95	36.97	5.35			38950	88611.25	49661.25	2.27	39430	84106.75	44676.75	2.13
Vegetables																			
Onion	INM	Effect of sulphur for higher yield in onion	5	2	232	208	220	189	16.40			27530	198000	170470	7.19	34290	170100	135810	4.96
Chili	Water Management	Efficient use of irrigation water & better yield in Chili	5	2	242	212	227	179	26.81			138500	658300	519800	3.75	179300	519100	339800	2.89
Fruit crops																			
Mango	IPM	Integrated management of fruit fly infestation in mango	5	2	97.50	72.50	82.50	78.13	5.59			82500	660000	577500	8.00	84000	625040	541040	7.44
Mango	INM	Effect of Novel 2% for increasing quality and Production of Mango	5	2	68.00	51.00	59.50	52.00	14.42			60470	416500	356030	6.88	65490	364000	298510	5.55
Coconut	Natural farming	Use of Jivamreet with irrigation water in coconut for yield enhancement	5	2	44230 Nut	42640 Nut	43435 Nut	42530 Nut	2.12			66390	521220	454830	7.85	75820	510360	434540	6.73
Commercial Crops																			
Cotton	INM	Efficacy of multi-micronutrient formulation in improving crop production of Bt cotton	5	2	23.30	16.64	20.46	18.63	9.82			58063	139128	81065	2.40	59500	126684	67184	2.13

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												

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

Frontline Demonstration on Nutri cereals

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Sorghum																		

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle	-	Use of bullet grass as a green fodder to increase milk production in Gir cattle	5	Milk yield L/anim./day	2100	190	11.11			52500	94500	42000	1.80	48360	83700	35340	1.73

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

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters (Ton/ha.)		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

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

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Vermi Compost	Farm waste management	05	05	22.31	20.90	6.74			36150	92586.50	56436.50	2.56	37030	86735	49705	2.34

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check	Change in parameter
Drudgery reduction	Spiral seed separator	15	Quality clean in 8 hrs Cost of cleaning (Rs./Qtl.) Quality of separated grain/ seed	2784 kg 30/- Best	148 kg 320/- Good	94.68% Time saving ₹ 290 cost saving.
Value addition	Preparation of bajara biscuit as a high nutrient diet for farm women	10	Durability Organoleptic Test	32 Days (Bajara floor) Above Satisfaction	20 Days (Maida floor) Satisfaction	High Nutrient diet
Health & Nutrition	Drumstick leaves powder as nutritional supplement in farm women	10	Hemoglobin (%) Body Weight (Kg)	12.07 55.50	10.34 53.00	1.7% increase 1.10 Kg. increase
Grain Storage	Use of pro super bag for storage of different pulses dales	10	Storage capacity (Days) Avg. Cost of input (₹)	357 80	321 36	10.08 % save storage capacity

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total

FLD on Other Enterprise: Kitchen Gardening

Nutrition garden components	Thematic area	Area (sq mt)	No. of Farmer	No. of Units	Yield (Kg)- supply of vegetables, fruits, etc from KG in the year		% change in yield	Household size (number)		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check*		Demo	Check	Gross Cost	Gross Return/Savings*	Net Return	BCR (R/C)	Gross Cost	Gross Return/ Savings*	Net Return	BCR (R/C)
Notional kitchen garden	Health & Nutation	100 sq.ft.	93	93	62.50	43.80	29.92	-	-	800	2245	1445	2.80	760	1690	930	2.22

***check maybe family adopting different Nutrition garden model/ no adoption of Nutrition garden model Savings from produce of Nutrition garden used for home consumption**

FLD on Demonstration details on crop hybrids

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop													
Pulse crop													

3.4. Training Programmes (Online programmes if any should be included under On Campus category)

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management				0			0	0	0	0
Resource Conservation Technologies				0			0	0	0	0
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation				0			0	0	0	0
Seed production				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Crop Management	3	50		50	25		25	75	0	75
Soil & water conservation				0			0	0	0	0
Integrated nutrient management				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	**3**	**50**	**0**	**50**	**25**	**0**	**25**	**75**	**0**	**75**
II Horticulture				0			0	0	0	0
a) Vegetable Crops				0			0	0	0	0
Production of low value and high value crops				0			0	0	0	0
Off-season vegetables				0			0	0	0	0
Nursery raising				0			0	0	0	0
Exotic vegetables				0			0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (a)				0			0	0	0	0
b) Fruits				0			0	0	0	0
Training and Pruning				0			0	0	0	0
Layout and Management of Orchards				0			0	0	0	0
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards				0			0	0	0	0
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (b)				0			0	0	0	0
c) Ornamental Plants				0			0	0	0	0
Nursery Management	1	20		20			0	20	0	20
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (c)				0			0	0	0	0
d) Plantation crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (d)				0			0	0	0	0
e) Tuber crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (e)				0			0	0	0	0
f) Spices				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (f)				0			0	0	0	0

g) Medicinal and Aromatic Plants				0			0	0	0	0
Nursery management				0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)				0			0	0	0	0
Grand Total (a to g)	**1**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
III Soil Health and Fertility Management				0			0	0	0	0
Soil fertility management	1			0	26		26	26	0	26
Integrated water management				0			0	0	0	0
Integrated Nutrient Management	1	16	12	28	4	6	10	20	18	38
Production and use of organic inputs	4	70	31	101	28	69	97	98	100	198
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops				0			0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers				0			0	0	0	0
Soil and Water Testing	2	25	41	66	4		4	29	41	70
Others (pl specify)				0			0	0	0	0
Total	**8**	**111**	**84**	**195**	**62**	**75**	**137**	**173**	**159**	**332**
IV Livestock Production and Management				0			0	0	0	0
Dairy Management				0			0	0	0	0
Poultry Management				0			0	0	0	0
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management				0			0	0	0	0
Feed & fodder technology				0			0	0	0	0
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
V Home Science/Women empowerment				0			0	0	0	0
Household food security by kitchen gardening and nutrition gardening	2	86	12	98	10	4	14	96	16	112
Design and development of low/minimum cost diet				0			0	0	0	0
Designing and development for high nutrient efficiency diet	2	21	36	57	7	7	14	28	43	71
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition	2	9	17	26	5	8	13	14	25	39
Women empowerment	2		21	21		64	64	0	85	85
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**8**	**116**	**86**	**202**	**22**	**83**	**105**	**138**	**169**	**307**
VI Agril. Engineering				0			0	0	0	0
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total				0			0	0	0	0
VII Plant Protection				0			0	0	0	0
Integrated Pest Management	7	239	7	246	7		7	246	7	253
Integrated Disease Management	3	90	35	125	10	5	15	100	40	140
Bio-control of pests and diseases	1		104	104			0	0	104	104
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)	4	93	40	133	10	7	17	103	47	150

Total	**15**	**422**	**186**	**608**	**27**	**12**	**39**	**449**	**198**	**647**
VIII Fisheries				0			0	0	0	0
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming	1		6	6	19		19	19	6	25
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**1**	**0**	**6**	**6**	**19**	**0**	**19**	**19**	**6**	**25**
IX Production of Inputs at site				0			0	0	0	0
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total				0			0	0	0	0
X CapacityBuilding and Group Dynamics				0			0	0	0	0
Leadership development	1	24		24	1		1	25	0	25
Group dynamics				0			0	0	0	0
Formation and Management of SHGs				0			0	0	0	0
Mobilization of social capital				0			0	0	0	0
Entrepreneurial development of farmers/youths	3	62	13	75	21		21	83	13	96
WTO and IPR issues				0			0	0	0	0
Others (pl specify)	1	20		20			0	20	0	20
Total	**5**	**106**	**13**	**119**	**22**	**0**	**22**	**128**	**13**	**141**
XI Agro-forestry				0			0	0	0	0
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total				0			0	0	0	0
GRAND TOTAL	**41**	**825**	**375**	**1200**	**177**	**170**	**347**	**1002**	**545**	**1547**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management				0			0	0	0	0
Resource Conservation Technologies				0			0	0	0	0
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming	2	52		52	8		8	60	0	60
Micro Irrigation/irrigation				0			0	0	0	0
Seed production	1	32		32			0	32	0	32
Nursery management				0			0	0	0	0
Integrated Crop Management	3	61		61	24		24	85	0	85

Soil & water conservation				0			0	0	0	0
Integrated nutrient management				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Others (pl specify)	6	114	38	152			0	114	38	152
Total	**12**	**259**	**38**	**297**	**32**	**0**	**32**	**291**	**38**	**329**
II Horticulture				0			0	0	0	0
a) Vegetable Crops				0			0	0	0	0
Production of low value and high value crops				0			0	0	0	0
Off-season vegetables				0			0	0	0	0
Nursery raising				0			0	0	0	0
Exotic vegetables				0			0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (a)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
b) Fruits				0			0	0	0	0
Training and Pruning	2	34		34			0	34	0	34
Layout and Management of Orchards				0			0	0	0	0
Cultivation of Fruit	2	47		47			0	47	0	47
Management of young plants/orchards	1	20	11	31			0	20	11	31
Rejuvenation of old orchards				0			0	0	0	0
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (b)	**5**	**101**	**11**	**112**	**0**	**0**	**0**	**101**	**11**	**112**
c) Ornamental Plants				0			0	0	0	0
Nursery Management	1	13	3	16			0	13	3	16
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (c)	**1**	**13**	**3**	16	**0**	**0**	0	13	3	16
d) Plantation crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (d)				0			0	0	0	0
e) Tuber crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (e)				0			0	0	0	0
f) Spices				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition	1	21		21			0	21	0	21
Others (pl specify)				0			0	0	0	0
Total (f)	**1**	**21**	**0**	**21**	**0**	**0**	**0**	**21**	**0**	**21**
g) Medicinal and Aromatic Plants				0			0	0	0	0
Nursery management				0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)				0			0	0	0	0
Grand Total (a to g)	**7**	**135**	**14**	**149**	**0**	**0**	**0**	**135**	**14**	**149**
III Soil Health and Fertility Management				0			0	0	0	0
Soil fertility management				0			0	0	0	0
Integrated water management				0			0	0	0	0
Integrated Nutrient Management	2	42	27	69			0	42	27	69
Production and use of organic inputs	1			0	20		20	20	0	20
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops	1	20		20			0	20	0	20
Nutrient Use Efficiency	1	9		9	32		32	41	0	41
Balance use of fertilizers				0			0	0	0	0
Soil and Water Testing	3	52	5	57	7	8	15	59	13	72
Others (pl specify)				0			0	0	0	0

Total	**8**	**123**	**32**	**155**	**59**	**8**	**67**	**182**	**40**	**222**
IV Livestock Production and Management				0			0	0	0	0
Dairy Management	2	44		44			0	44	0	44
Poultry Management				0			0	0	0	0
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management	1	24		24			0	24	0	24
Feed & fodder technology	1			0	19		19	19	0	19
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**4**	**68**	**0**	**68**	**19**	**0**	**19**	**87**	**0**	**87**
V Home Science/Women empowerment				0			0	0	0	0
Household food security by kitchen gardening and nutrition gardening	1		24	24		3	3	0	27	27
Design and development of low/minimum cost diet	1		15	15		9	9	0	24	24
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing	1		54	54		16	16	0	70	70
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs	3			0		65	65	0	65	65
Storage loss minimization techniques	2		114	114		1	1	0	115	115
Value addition	1		30	30			0	0	30	30
Women empowerment	3	53	29	82	2	1	3	55	30	85
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**12**	**53**	**266**	**319**	**2**	**95**	**97**	**55**	**361**	**416**
VI Agril. Engineering				0			0	0	0	0
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total				0			0	0	0	0
VII Plant Protection				0			0	0	0	0
Integrated Pest Management	4	121	10	131			0	121	10	131
Integrated Disease Management	5	146		146	24		24	170	0	170
Bio-control of pests and diseases	3	88		88			0	88	0	88
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)	4	173		173	14		14	187	0	187
Total	**16**	**528**	**10**	**538**	**38**	**0**	**38**	**566**	**10**	**576**
VIII Fisheries				0			0	0	0	0
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition	1	28		28			0	28	0	28
Others (pl specify)				0			0	0	0	0
Total	**1**	**28**	**0**	**28**	**0**	**0**	**0**	**28**	**0**	**28**
IX Production of Inputs at site				0			0	0	0	0

Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total				0			0	0	0	0
X Capacity Building and Group Dynamics				0			0	0	0	0
Leadership development				0			0	0	0	0
Group dynamics				0			0	0	0	0
Formation and Management of SHGs	2	158		158			0	158	0	158
Mobilization of social capital	3	73		73	3		3	76	0	76
Entrepreneurial development of farmers/youths	5	87	15	102	20	30	50	107	45	152
WTO and IPR issues				0			0	0	0	0
Others (pl specify)	1	32		32			0	32	0	32
Total	**11**	**350**	**15**	**365**	**23**	**30**	**53**	**373**	**45**	**418**
XI Agro-forestry				0			0	0	0	0
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total				0			0	0	0	0
GRAND TOTAL	**71**	**1544**	**375**	**1919**	**173**	**133**	**306**	**1717**	**508**	**2225**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	2	52	0	52	8	0	8	60	0	60
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	1	32	0	32	0	0	0	32	0	32
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	6	111	0	111	49	0	49	160	0	160
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	6	114	38	152	0	0	0	114	38	152
Total	**15**	**309**	**38**	**347**	**57**	**0**	**57**	**366**	**38**	**404**
II Horticulture	0	0	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0
Production of low value and high value crops	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
b) Fruits	0	0	0	0	0	0	0	0	0	0
Training and Pruning	2	34	0	34	0	0	0	34	0	34
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0

Cultivation of Fruit	2	47	0	47	0	0	0	47	0	47
Management of young plants/orchards	1	20	11	31	0	0	0	20	11	31
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**5**	**101**	**11**	**112**	**0**	**0**	**0**	**101**	**11**	**112**
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Nursery Management	2	33	3	36	0	0	0	33	3	36
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	1	13	3	16	0	0	0	13	3	16
d) Plantation crops	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	1	21	0	21	0	0	0	21	0	21
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	**1**	**21**	**0**	**21**	**0**	**0**	**0**	**21**	**0**	**21**
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
Grand Total (a to g)	**8**	**155**	**14**	**169**	**0**	**0**	**0**	**155**	**14**	**169**
III Soil Health and Fertility Management	0	0	0	0	0	0	0	0	0	0
Soil fertility management	1	0	0	0	26	0	26	26	0	26
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	3	58	39	97	4	6	10	62	45	107
Production and use of organic inputs	5	70	31	101	48	69	117	118	100	218
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	1	20	0	20	0	0	0	20	0	20
Nutrient Use Efficiency	1	9	0	9	32	0	32	41	0	41
Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	5	77	46	123	11	8	19	88	54	142
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**16**	**234**	**116**	**350**	**121**	**83**	**204**	**355**	**199**	**554**
IV Livestock Production and Management	0	0	0	0	0	0	0	0	0	0
Dairy Management	2	44	0	44	0	0	0	44	0	44
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	1	24	0	24	0	0	0	24	0	24
Feed & fodder technology	1	0	0	0	19	0	19	19	0	19
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**4**	**68**	**0**	**68**	**19**	**0**	**19**	**87**	**0**	**87**
V Home Science/Women empowerment	0	0	0	0	0	0	0	0	0	0
Household food security by kitchen gardening and nutrition gardening	3	86	36	122	10	7	17	96	43	139
Design and development of low/minimum cost diet	1	0	15	15	0	9	9	0	24	24
Designing and development for high nutrient efficiency diet	2	21	36	57	7	7	14	28	43	71

Minimization of nutrient loss in processing	1	0	54	54	0	16	16	0	70	70
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	3	0	0	0	0	65	65	0	65	65
Storage loss minimization techniques	2	0	114	114	0	1	1	0	115	115
Value addition	3	9	47	56	5	8	13	14	55	69
Women empowerment	5	53	50	103	2	65	67	55	115	170
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**20**	**169**	**352**	**521**	**24**	**178**	**202**	**193**	**530**	**723**
VI Agril. Engineering	0	0	0	0	0	0	0	0	0	0
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	11	360	17	377	7	0	7	367	17	384
Integrated Disease Management	8	236	35	271	34	5	39	270	40	310
Bio-control of pests and diseases	4	88	104	192	0	0	0	88	104	192
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	8	266	40	306	24	7	31	290	47	337
Total	**31**	**950**	**196**	**1146**	**65**	**12**	**77**	**1015**	**208**	**1223**
VIII Fisheries	0	0	0	0	0	0	0	0	0	0
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	1	0	6	6	19	0	19	19	6	25
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	1	28	0	28	0	0	0	28	0	28
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**2**	**28**	**6**	**34**	**19**	**0**	**19**	**47**	**6**	**53**
IX Production of Inputs at site	0	0	0	0	0	0	0	0	0	0
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Leadership development	1	24	0	24	1	0	1	25	0	25
Group dynamics	0	0	0	0	0	0	0	0	0	0

Formation and Management of SHGs	2	158	0	158	0	0	0	158	0	158
Mobilization of social capital	3	73	0	73	3	0	3	76	0	76
Entrepreneurial development of farmers/youths	8	149	28	177	41	30	71	190	58	248
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	2	52	0	52	0	0	0	52	0	52
Total	**16**	**456**	**28**	**484**	**45**	**30**	**75**	**501**	**58**	**559**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**112**	**2369**	**750**	**3119**	**350**	**303**	**653**	**2719**	**1053**	**3772**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2			0	30	30	60	30	30	60
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming	1	6	25	31	19	0	19	25	25	50
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (INM & Enterpreneuria development)										
TOTAL	**3**	**6**	**25**	**31**	**49**	**30**	**79**	**55**	**55**	**110**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards	1	34	16	50			0	34	16	50
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	1		50	50			0	0	50	50
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching	1		29	29		3	3	0	32	32
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl. specify)										
TOTAL	**3**	**34**	**95**	**129**	**0**	**3**	**3**	**34**	**98**	**132**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards	1	34	16	50	0	0	0	34	16	50
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										

Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	3	0	50	50	30	30	60	30	80	110
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching	1	0	29	29	0	3	3	0	32	32
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming	1	6	25	31	19	0	19	25	25	50
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (INM & Enterpreneurial development)										
TOTAL	**6**	**40**	**120**	**160**	**49**	**33**	**82**	**89**	**153**	**242**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management	1	44	0	44	1	0	1	45	0	45
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (Nutrient use efficiency)	1	40	6	46	0	0	0	40	6	46
TOTAL	**2**	**84**	**6**	**90**	**1**	**0**	**1**	**85**	**6**	**91**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										

Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (Gender sesatization)										
TOTAL										

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management	1	44	0	44	1	0	1	45	0	45
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (Resource Conservation Technologies)	1	40	6	46	0	0	0	40	6	46
TOTAL	**2**	**84**	**6**	**90**	**1**	**0**	**1**	**85**	**6**	**91**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site	1	0	69	69	0	31	31	0	100	100
Methods of protective cultivation										
Others (Plant Protection)	10	380	183	563	17	7	24	397	190	587
Total										
Post harvest technology and value addition										
Processing and value addition										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (Natural farming)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										
Household nutritional security	1	42	0	42	9	0	9	51	0	51
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
CapacityBuilding and Group Dynamics	1	125	0	125	0	0	0	125	0	125
Others (Enterpreneureial development)	1	6	15	21	5	30	35	11	45	56
Total										
GRAND TOTAL	**14**	**553**	**267**	**820**	**31**	**68**	**99**	**584**	**335**	**919**

Details of vocational training programmes carried out by KVKs for rural youth (4 or more days)

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Value addition	3	0	50	50	30	30	60	30	80	110
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (Shrimp farming)	1	6	25	31	19	0	19	25	25	50
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.	1	34	16	50	0	0	0	34	16	50
Tailoring, stitching, embroidery,										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
dying etc.										
Agril. para-workers, para-vet training										
Others ()										
Total										
Agricultural Extension										
Capacity building and group dynamics	1	0	29	29	0	3	0	0	32	32
other (INM & Enterpreneurial development)										
Total										
Grand Total	**6**	**40**	**120**	**160**	**49**	**33**	**79**	**89**	**153**	**242**

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (Other than KMAS)	1925	1925	8	1933
Diagnostic visits	12	18	2	20
Field Day	25	654	7	661
Group discussions	11	145	6	151
Kisan Ghosthi	7	394	4	398
Film Show	7	151	7	158
Self -help groups (Meetings)	6	74	1	75
Kisan Mela	2	3172	8	3180
Exhibition	0	0	0	0
Scientists' visit to farmers field	623	888	7	895
Plant/animal health camps	0	0	0	0
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	0	0	0	0
Farmers' seminar/workshop	0	0	0	0
Method Demonstrations	0	0	0	0
Celebration of important days	6	1277	7	1284
Special day celebration	4	3379	7	3386
Exposure visits	0	0	0	0
Others (Lecture Delivered in other pro.)	48	8736	8	8744
Others (Farmer visit to KVK)	2115	2115	7	2122
Total	**4791**	**22928**	**79**	**23007**

Note- Advisory services includes social media, website, telephonic calls etc.

Details of other extension programmes:

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	02
Newspaper coverage	82
Popular articles	38
Radio Talks	30
TV Talks	28
Animal health camps (Number of animals treated)	00
Social Media (No. of platforms Used)	6 (advisories 233)
Others (any other)	
Total	**186**

3.6 Online activities during year 2022

S. No.	Activity Type	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live/ Zoom/ Google meet/ Webex etc.)	Title of Program	No. of Programmes	No. of Participants/ Views
A	Farmers training				
1					
2					
	Total				
B	Farmers scientist's interaction programme				
1					
	Total				
C	Farmers seminars				
1					
	Total				
D	**Expert lectures**				
1		YouTube Live	Care of crops during summer season collaboration with Krishi Jagaran Gujarati (Views by - 379)	1	379
2		YouTube Live	Groundnut Top 5 varieties in kharif season. Collaboration with Agriscience	1	62000
3		YouTube Live	Maximum production of groundnut, best 3 practices - collaboration with Agri Science	1	34000
4		YouTube Live	Groundnut care and pest and disease management after sowing - collaboration with Reliance Foundation	1	4000
5		YouTube Live	Gram cultivation collaboratin with Agri Science	1	15000
	Total			**5**	**115379**
E	Any other (Celebration)				
1					
2					
	Total				
	Grand Total (A+B+C+D+E)			**5**	**115379**

3.7. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Oilseed	Groundnut	GJG 22	-	4.00		Store as seed purpose
	Groundnut	GJG 32	-	15.00		
	Soybean	GS-4		1.50		
Pulses	Green gram	GM-6	-	10.60		
Total				**31.10**		

Production of planting materials by the KVK

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Brinjal	GJLB-4	-	4845	4845	90
Fruits	Coconut (Nuts & Plants)			-	333000	1 Auction
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total					**337845**	**91**

Production of Bio-Products:

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg/Lit		
Bio Fertilizers	NPK Consortia	850	127500	310
	PSB, Azoto, KNP	674	121320	290
	Sulphur Bacteria	504	90720	240
Bio-pesticide	Azadirechtin 1500 PPM	1055	1002250	405
	Azadirechtin 10000 PPM	5	18500	5
	Beauveria Bassiana	632	145360	530
	EPN	50	64000	50
Bio-fungicide	Trichoderma Viride	3772	641240	980
	Psedomonas Flurosence	1320	277200	635
Total		**8862**	**2488090**	**3445**

*Bio product sell through KVK FPO

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Kadaknath)	Kadaknath (eggs)	303	6060	30
	Kadaknath	9	8187	9
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total		**312**	**14247**	**39**

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

A. KVK News Letter

- Date of start: **01-07-2020**
- Periodicity: **Half yearly**
- Number of copies distributed: **500**

B. Literature developed/published

Item	Title	Authors name	Number
Research papers			
Abstracts	Economic empowerment of rural woman through SHGs promoted by Krishi Vigyan Kendra of Ambuja Cement Foundation	Dr. H P Gami	01
2	Scale to measure attitude of women towards Self Help Groups	Dr. H P Gami	01
3	Agricultural market intellect system in India – Problems and prospects	Mrs. Pooja B Nakum	01
4	Assessment of cluster front line demonstration on yield and economics of summer sesame in Gir Somnth district	Mr. Manish J Baldaniya	01
Technical reports	Annual Action Plan Annual Progress Report Frontline demonstration reports On farm testing reports	Er. Jitendra Singh Mr.Ajay Dhanani and All Technical Staff	01 01 29 11
News letters	GIR KRUSHI MUKH PATRA Jan.-June 2024	Ms. Pooja B. Nakum & Er. Jitendra Singh	500
	GIR KRUSHI MUKH PATRA July.-Dec 2024	Mr. Ramesh T Rathod & Er. Jitendra Singh	500
Technical bulletins			

Item	Title	Authors name	Number
Popular articles	Summer groundnut sowing time	Mr. Ramesh T Rathod	01
2	Summer sesamum seed treatment	Mr. Ramesh T Rathod	01
3	Summer sesamum fertilizer	Mr. Ramesh T Rathod	01
4	Summer Green gram cultivation	Mr. Ramesh T Rathod	01
5	Green manuring crops	Mr. Ramesh T Rathod	01
6	Cowpea cultivation	Mr. Ramesh T Rathod	01
7	Watermelon cultivation	Mr. Ramesh T Rathod	01
8	Wheat urea treatment	Mr. Ramesh T Rathod	01
9	Turmeric cultivation	Mr. Ramesh T Rathod	01
10	Mango fruit fly management	Mr. Ramesh T Rathod	01
11	Use of gypsum	Mr. Ramesh T Rathod	01
12	Mango fruit fly management	Mr. Ramesh T Rathod	01
13	Groundnut soil selection and fertilizer management	Mr. Ramesh T Rathod	01
14	Bt cotton soil selection and variety selection	Mr. Ramesh T Rathod	01
15	Soybean seed rate and seed treatment	Mr. Ramesh T Rathod	01
16	Cotton fertilizer management	Mr. Ramesh T Rathod	01
17	Soybean variety and weed management	Mr. Ramesh T Rathod	01
18	Pigeonpea cultivation	Mr. Ramesh T Rathod	01
19	Castor cultivation	Mr. Ramesh T Rathod	01
20	Groundnut collar rot management	Mr. Ramesh T Rathod	01
21	Groundnut yellowing	Mr. Ramesh T Rathod	01
22	Groundnut stem rot management	Mr. Ramesh T Rathod	01
23	Groundnut whitegrub management	Mr. Ramesh T Rathod	01
24	Pheromone trap importance	Mr. Ramesh T Rathod	01
25	Groundnut heliothis management	Mr. Ramesh T Rathod	01
26	Groundnut tikka disease	Mr. Ramesh T Rathod	01
27	Soyben heliothis management	Mr. Ramesh T Rathod	01
28	Cotton para wilt management	Mr. Ramesh T Rathod	01
29	Cotton flower dropping management	Mr. Ramesh T Rathod	01
30	Cotton redening of leaves	Mr. Ramesh T Rathod	01
31	Ajmani kheti	Mr. Ramesh T Rathod	01
32	Rajma ni kheti	Mr. Ramesh T Rathod	01
33	Mustard ni kheti	Mr. Ramesh T Rathod	01
34	Wheat Variety	Mr. Ramesh T Rathod	01
35	Val ni kheti	Mr. Ramesh T Rathod	01
36	Mango borer management	Mr. Ramesh T Rathod	01
37	Mango hopper management	Mr. Ramesh T Rathod	01
38	Importance of medicinal plant in our livelihood	Mrs. Pooja B Nakum	01
Extension literature	Jivamrit, Bijamrit, Nimashtra, Agniashtra, Nimashtra, Dasparni ark, Humas. Panchgavya, Bajrani vegnanik kheti and Prakrutik kheti ane tena adhar stabho	Mr. Ramesh T Rathod	06
	Value addition in coconut (Nariyel ma rahela poshak tatvo ane teni banavato)	Dr. H P Gami	01
Others (Lead Paper)	360-degree insights into Digital Agriculture for empowering the Farmers	Mrs. Pooja B Nakum	01
TOTAL			

C. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number

D. Details of Social Media Platforms Created / Used

S. No.	Type of social media platform	No of events (uploaded video/ post/ story etc.	Title of social media	Number of Followers/ Subscribers
1	YouTube Channel (no of video uploaded)	25	KVK- JUNAGADH	7900
2	Facebook page/ Account (no of Post)	79	Agri info/ KVK Girsomanth Erstwhile Junagadh	3946/ 5000
3	WhatsApp groups	173	KVK- Agro advisory KVK- Agro advisory 1 KVK- Gir somnath 1 KVK- Gir somnath 2 KVK- Gir somnath 3 Natutal farming GS	65 (9796)
4	Twitter Account	126	KVK Gir Somnath (Erstwhile KVK Junagadh)	122
5	Any other (Pl. Specify)			

*Event uploaded only reorting period

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

(1) Title- Beekeeping

Name of Farmer: Pamak Laljibhai Kanabhai

Village: Kajaradi

Taluka: Una

Gir Somnath.

Contact No: 9913898536

Land holding; 3.5 Acre

Pamak Laljibhai Kanabhai got primary education in his own village and secondary and higher secondary from the nearby village Tad. After completion of graduation in BA from the Una. After study he joined his family's profession i.e. agriculture.

Situation analysis /Problem statement:

He had a 3.5 vigha land and totally covered under Agriculture crop. In that time he grows different crops in traditional farming. While combating agriculture problems from shifting weather patterns to soil health decline and water scarcity. Labour shortages, regulatory requirements, and rising input costs additionally strain farming operations.

Plan, Implement and Support:

Through social media receive message about Scientific Beekeeping training at Krishi Vigyan Kendra, Ambuja Foundation, Kodinar an idea to club honeybee rearing with agriculture for increase production. He contact Beekeeping training coordinator Mr.Ramesh Rathod at KVK and completed 7 days training sponsored by National Bee Board, New Delhi. Then after he visited many Beekeepers sites and got more and more practical information of this subject and finally he decided work on this.

Output:

After that he started commercial unit of honeybee cultivation with 10 boxes. In this business whole family support and got success. Further, he expands it up to 50 boxes and he started selling of raw honey @Rs. 550/- per Kg in local market.

Outcome:

With the technical guidance and support of Krishi Vigyan Kendra and Ambuja Foundation he make a brand "Madhsudan Honey". In this business his family participating in different activities i.e. Bee box observation, Honey extraction, Packing, Labeling and Transporting.

Impact:

Current year, he sold 550 Kg honey through online and offline. He also supports many farmers to do this business and gave free advice and visit at their farm also. On an average yearly more than 200 farmers are visiting his honey bee rearing farm. He got subsidy through department of horticulture, Government of Gujarat. In year 2022-23 government of Gujarat got Sardar Patel Krushi Sansodhan Purashkar.

(2) Title – Groundnut new variety (Girnar-4)

Bhikhabhai Samatbhai Pampaniya
At Sundarpara Taluka: sutrapada,
Dist. Gir Somnath State. Gujarat

Bhikhabhai Samatbhai Pampaniya got primary education in his own village. After he started farming in his own land i.e. agriculture.

Situation analysis /Problem statement:

He had a 5 ha. land and totally covered under Agriculture crop and coconut orchard. In that time he grows different crops in traditional farming. While combating agriculture problems from shifting weather patterns to soil health decline and water scarcity as well as salty water. Labour shortages, regulatory requirements and rising input costs additionally strain farming operations.

Plan, Implement and Support:

He is searching in social media regarding groundnut cultivation (specially Girnar-4) then he contact Krishi Vigyan Kendra, Ambuja Foundation, Kodinar. After he connect KVK for improving his knowledge about cultivation groundnut through scientific way. They follow proper schedule of WSF fertilizer uses in groundnut.

Output:

After Staring scientific cultivation and use nutrient as per soil test report cost of fertilizer is reduced as well as sowing girnar 4 variety. The reaction against late leaf spot and rust, stem rot and Pea nut bud necrosis diseases moderately resistant. Further moderately resistance against Leaf hopper, leaf minor, thrips and spodoptera damage. One special character of particular this variety is high oleic acid content 78.5% it is very useful in oil consumption

Outcome and impact

At the time of harvesting go to on field trial and check results, Girnar 4 found more effective as compared to other variety as like GG 20, GJG-32 In this variety less diseases and pest attack were found so pressure on pesticide is reduced. Application of Zinc + Sulphur as well as sulphur solubilizing bacteria found effective response for crop production and no sulphur deficiency found in Demonstrated plot. Application of 00 52 34 and 00 00 50 and Micro nutrient grad 4 found more effective to correction of Nutrient deficiency. Use of Beauveria Bassiana and Azadirectine for sucking pest infestation management up to 40 days after sowing

E. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

F. Give details of indigenous technology 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

5.1. Indicate the specific training need analysis tools/methodology followed for

A. Practicing Farmers

a) Pre and post evaluation
b) General discussion about agricultural problems of the village
c) Power point presentation
d) Farm/field visit for practical experiences
e) Method demonstration if any

B. Rural Youth

a) Pre and post evaluation
b) General discussion about particular vocational training issues in the area
c) Power point presentation
d) Farm/field visit with market strategic planning
e) Method demonstration if any

C. In-service personnel

a) Pre and post evaluation
b) General discussion about district agriculture issues
c) Power point presentation
d) Farm/field visit for practical experiences
e) Method demonstration if any

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

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

For FLD:

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

5.3. Field activities

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

6. LINKAGES

A. Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1	Junagadh Agricultural University – Junagadh	For New Technologies promotion, Scientist training, Seeds production, trichoderma & Farmers Recommendation
2	Directorate Of Groundnut Research, Junagadh	Seed Production ,Participation in Training Programme, G'nut demonstration- 91 farmers
3	ATMA – Gir Somnath & Junagadh	Krishi Mela, Farmers training, funding for CRS
4	FTC - Junagadh	Krishi Mela, Farmers training
5	Dept. of Agril. – Gir Somnath	Farmers Training Programmes
6	Dept. of Horti. – Gir Somnath	Farmers Training Programmes
7	Dept. of Animal Hus. – Gir Somnath	Farmers / Farmwomen Training Programmes
8	Dept. of Fisheries – Gir Somnath	Fisherman Training Programmes

9	NHM – Gandhinagar	Fund support of Leaf tissue Lab, Model nursery unit
10	AIR - Rajkot	Knowledge sharing about radio programmes
11	CIFT – Veraval	Knowledge sharing on cultivation Of Shrimp, Jinga & Fish And About Subsidies Etc.
12	CMFRI – Veraval	
13	MPEDA – Veraval	
14	Doordashan, TV18 Network, V TV, ABP Ashmita and Other Print Media Agencies	Electronic as well as Print Media Coverage of KVK Programmes
15	NABARD - Gir Somnath	Vocational Training for farm women
16	DWDU, Junagadh	Sponsored Training Programme
17	NDDB – Anand	Participation In Training Programme
18	Taluka Panchayat – Kodinar	Extension functionaries training
19	SRTT/ CSPC	Sponsored Training Programme
20	Janseva Trust – Veraval	Farmers/ Farmwomen Training Programmes
21	GHCL Foundatin - Sutrapada	Farmers/ Farmwomen Training Programmes
22	Kodinar Taluka Co opp. Union Bank. - Kodinar	Farmers Training Programme
23	Sabarmati Ashram Gaushala - Kodinar	Farmers/ Farmwomen Training Programmes

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

B. List 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. In Lakh)
Community Radio Station (CRS) (Sanctioned No. J.No. GOG/A-3/ 6462-63/11 & GOG/ATMA/ 1265/13)	04.11.2013	ATMA Directorate and SAMETI, P-7, M-Floor, Krishi Bhavan, Sector – 10 A, Gandhinagar (Guj.)	44.37
Model Nursery Unit Project (Sanctioned No. HRT/B-9/1785-87/10)	01.04.2011	Gujarat Horticulture Mission, Directorate of Horticulture, Sector 10 A, Krishi Bhavan, Gandhinagar (Guj.)	25.00

C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes~~/No~~

If yes, role of KVK in preparation of SREP of the district?

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**	**Training programme**	**9**	**3**	**Lectured Delivered**
04	**Demonstrations**				
05	**Extension Programmes**	**Kisan Gosthi**	**4**		**Lecture Delivered**
	KisanMela	**Krishi Mela**		**2**	**Krishi Mela on Natural Farming**
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)	**Farm School**	**2**	**-**	**Lecture Deivered**
06	**Publications**				

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl.specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

D. Give details of programmes implemented under National Horticultural Mission

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

E. Nature of linkage with National Fisheries Development Board

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

F. Details of linkage with RKVY

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

G. Details of linkage with PKVY (Paramparagat Krishi Vikas Yojana)

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

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H. Details of linkage with NFSM

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	**NFSM**	**Cluster Frontline Demonstrations**	**92000**	**129000**	Till December 2022

I. Details of linkage with SMAF (Sub-mission on Agroforestry)

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

7. Convergence with other agencies and departments:

Sr. No.	Name of Agency	Programmes
1	JAU - Junagadh	Developed two progressive farmers success stories in the form of video stories with the help of JAU, Junagadh also Purchased the Agri inputs and various crop seed from JAU, Junagadh.
2	Agri. Dept.- Gir	13 Lecture delivered by KVK scientist in Agri. Dept. programmes like trainings, Rabi

Sr. No.	Name of Agency	Programmes
	Somnath:	Krishi Mela with 4013 beneficiaries
3	TV 18 News (Gujarati)	7 TV talk given by KVK scientists on TV 18 News Gujarati.
4	GSFC AgroTech Limited	Broadcasted the programmes through Lokvani Radio for create awareness about various programs and schemes of department of fertilize
5	Agriscinece	3 YouTube live programme organized on Groundnut Top 5 varieties, Maximum production of groundnut- best 3 practices and cultivation of Gram crop, viewed by more than 62000 viewers
6	Fisheries Department-Veraval	One vocational training conducted on brackish water shrimp farming for 25 fishermen at KVK premises with the collaboration of state fisheries department
7	CIFT- Veraval	2 Vocational five days training conducted at KVK premises with the collaboration with CIFT, Veraval with 60 beneficiaries
8	Sabarmati Ashram Gaushala, Kodinar	Two Animal Husbandry Sibir conducted with the collaboration with Sabarmati Ashram Gaushala for 48 farmers at Ishra (Keshod) & Bhakha (Girgadhada) villages

8. Innovative Farmers Meet

Sl.No.	Particulars	Details
	Have you conducted Farm Innovators meet in your district?	Yes/ No
	Brief report in this regard	

9. Farmers Field School (FFS)

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.	Expenditure	Brief report

10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed:

Technology appropriations	Methodology \used	Benefits of OFT/FLD	Future Adoption
Integrated management practices to Minimize infection of collar rot and stem rot diseases in Groundnut	Trainings, field days, field visits & Scientist visits	Treatment of seed with Mancozeb 75 % WP 3 gm/kg seed and Trichoderma harzianum 2.5 kg/ha with 250 kg castor cake/ha Furrow application at the time of sowing is effective for collar rot and stem rot management and low cost.	The all technologies are very much useful & liking by the farmers and will be adopted in the large scale for the farmers of the district
Spraying of Dasparni Ark for the control of pest in groundnut crop		Dasparani Ark prepare and use in groundnut gave good result in primary infection of heliothis and sucking pests but preparation method is time consuming	
Effect of foliar spray of 2% KNO3 in chickpea		The farmer are interested to foliar spray of this fertilizer in chickpea crop and satisfied with the seed yield and quality.	
Effect of bio fertilizer (Mycorrhiza) in soybean crop		The farmers are interested to use this technology because it gives very good result in crop yield and quality soybean. The number of pods also increase by the using of this bio fertilizer.	
Intervention with promotion of new green gram variety GNM-6 with the use of bio fertilizer		Farmer got very good result as compared to old variety. GNM 6 is disease resistant variety and getting good results.	
Performance evolution of wheat variety GW-499		This variety gave higher yield, mature early and lodging resistance so farmer select this variety for sowing next season	
Intervention of black gram variety GU-2 with bio inoculants		The proper application of RDF and bio fertilizer gave good response on crop yield as well as bio fungicide and bio pesticide found effective against pest and disease so, cost of cultivation was reduced	
Performance of new groundnut variety Girnar - 4		This variety require less amount of pesticide and gave good yield and fodder. The major issue is mite problem occurs at latter stage of crop.	
Assessment of Navroji Novel Plant Growth Booster in Brinjal crop		This technology is eco-friendly, low cost and can be used in natural farming along with this it reduces the cost as well as increases the number of fruit per plant	
Assessment of dry heat treatment in improving the shelf life of pearl millet flour		Blanching (Bajara blanched hot water for 30 seconds and dry & ground into flour) was increased 20 days to one month by blanching technique	
Assessment on different varieties of oyster mushroom cultivation		Pleurotus blue mushroom has high yield and/less duration compared to Dhingari and Pleurotus Sajor Kaju grey mushroom varieties	

10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/ universities:

1. Agronomy: All the varietal technological interventions found satisfactory performance against existing farmers practice
2. Horticulture: We observed vegetable and fruit plants; INM, IPM and IDM technologies found better performance compare to local check
3. Plant Protection: In cereal, pulses, oilseed as well as horticultural crops, plant protection technologies including bio agent as IDM & IPM found superior results
4. Soil Science: The majority area of KVK – Junagadh jurisdiction is affected from soil and water salinity, especially irrigation water is dominated by calcium chloride and magnesium chloride due to that need to leach down the dominant salt during kharif season. Sodicity problem is not much dominant, but soil salinity might be observed in costal belt of the district.
5. Home science: We have promoted many drudgery reduction tools among the farmwomen, the result of each tools was found very much satisfactory.
6. Fisheries: We taken interventions for better fish culture in marine and brackish water fishing, fishermen getting optimum yield of fish by applying technological intervention.

11. Technology Week celebration during 2024: Yes/~~No,~~ If Yes

Period of observing Technology Week: From to **05-11 June. 2024**
~~Online~~ / Offline:
Total number of farmers visited : **218**
Total number of agencies involved : -
Number of demonstrations visited by the farmers within KVK campus: **09 different demo units visited by farmers**

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized	07	218	Promotion of Natural farming and various inputs preparation methods
Exhibition			
Film show			
Fair			
Farm Visit	10	180	Visit of different plots and demo units
Diagnostic Practical's			
Supply of Literature (No.)	1680	210	Different Eight type of Natural farming related extension literature distributed to farmers
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		**218**	

12. Interventions on drought mitigation (if the KVK included in this special programme)

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No. of participants
Total			

D. Animal health camps organized

State	Number of camps	No.of animals	No. of farmers
Total			

E. Seed distribution in drought hit states (Seed distribution/sold by KVK)

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

F. Large scale adoption of resource conservation technologies

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

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Total												

13. IMPACT

A. Impact of KVK activities (Not to be 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)
Use of *Trichoderama harzianum* for control of stem rot in groundnut)	4780	74	92919	87889
performance evaluation of wheat variety GW-451	278	60	90527	103590
INM in coconut for control of nuts dropping	245	31	205000	268000
Shrimp farming (Species-Litopenaeus Vannamei)	98	8	95000	110000
Naturall kitchen gardening	98	73	19100	23450
Spiral seed separator (time requirement/ 8 hour quality clean	20	35 & (cost saving: 95.60 %)	225	240
Intoduction of salt tolerant variety of Whet KRL-210	69	39	47919	57466
Interaction of Bio agents for integrated approach of sustainable groundnut crop production	250	74	56759	108660

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

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

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

14. Kisan Mobile Advisory Services (Advisory through social media)

Month	No. of SMS sent	No. of farmers to which SMS was sent (Viewers)	No. of feedback / query on SMS sent
Jan 2024	Text -08 Video-07	21171	
Feb 2024	Text -18 Video-08	9252	
March 2024	Text -03 Video-08	13689	
April 2024	Text -01 Video-08	6031	
May 2024	Text -16 Video-12	38869	
Jun 2024	Text -17 Video-15	8092	
Jul 2024	Text -09 Video-10	14297	
Aug 2024	Text -09 Video-10	46714	
Sept 2024	Text -04 Video-09	55106	
Oct. 2024	Text -15 Video-08	471171	
Nov. 2024	Text -18 Video-12	38736	
Dec. 2024	Text -02 Video-06	37334	

Name of KVK	Message Type	Type of Messages						
		Crop	**Livestock**	**Weather**	**Marke-ting**	**Aware-ness**	**Other enterprise**	**Total**
Junagadh	Text only	98	0	20		1		
	~~Voice~~ / Video	106	0			4	1	
	Voice & Text both							
	Total Messages	**204**	**0**	**20**		**5**	**1**	**230**
	Total farmers Benefitted							

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

A. 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**	
	Vermi compost & Vermi wash	2009	-	Eisenia fetida	Compost	500 kg	-	-	Use in KVK farm
	Drip Irrigation	2010	-	-	-	-	-	-	-
	Soil & water testing lab	2010	-	-	-	2666	426900	426900	
	Crop Cafeteria	2011	-	Different varieties of major seasonal crops	-	-	-	-	-
	Fish Pond	2011	-	Rohu, cutla & mrigal	Fingerlings	-	-	-	-
	Leaf Tissue Analysis lab	2012	-	-	-	-	-	-	-
	Model Nursery	2012	-	Brinjal (GJLB-4) & Chilli (Local)	Seedling	4845	1800	4845	-
				Coconut plants (DxT F2) & Nuts	-	-	-	333000	Auction
	Community Radio	2012	-	-	-	-	-	-	-

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
	Station (CRS)								
	Agri Mall (FPO)	2015	-	Different Agri -Inputs	Sale	-	-	-	-
	Azolla	2017	-	-	-	-	-	-	
	NADEP	2017	-	-	-	300 kg	-	-	Use in KVK farm
	Bio-digester	2017	-	-	-	500 litre	-	-	-Use in KVK farm
	IFS Model	2022	-	Kadaknath (eggs)	Nos.	303	-	6060	Sold to 33 farmers
	IFS Model	2022	-	Kadaknath	Nos.	9	5048	8190	Sold to 7 farmers

C. 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									
Wheat	28-11-2023	04-03-2024	1	GW-451	Grain	15.50	25000	36502.50	
Wheat	03-12-2023	14-03-2024	0.5	KRL-20	Grain	3.75	7000	8843.00	
Wheat	03-12-2023	14-03-2024	0.5	GW-499	Seed	5.00	7000	23750.00	
Pulses									
Green gram	06-03-2024	01-06-2024	1	GM-6	Seed	10.60	15000	139500.00	
Green gram	06-03-2024	01-06-2024	1	GNM-7	Grain	6.20	15000	47492.00	
Green gram	06-03-2024	01-06-2024	0.2	GAM-5	Grain	7.00	3000	5362.00	
Oilseeds									
Groundnut	10-06-2024	01-11-2024	1.2	GJG 22	Seed	4.00	55000	-	Stored
Groundnut	18-06-2024	27-11-2024	1	GJG 32	Seed	15.00	30000	-	Stored
Soybean	20-06-2024	27-11-2024	0.4	GS-4	Seed	1.50	15000	-	Stored
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									
Sugarcane	27-12-2024	06-02-2025	1	Co 2005	-	772.70	35000	261800.00	

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

Sl. No.	Bio Products	Name of the Product	Qty (kg/lit)	Amount (Rs.)		Remarks
				Cost of inputs	Gross income	
	Bio- Fertilizers					
	Bio- Fungicides					
	Bio- pesticides					
	Bio-Agents					

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Poultry	Kadaknath	Egg	303	5048	6060	Sold to 33 farmers
2	Poultry	Kadaknath	chicken	9		8190	Sold to 7 farmers

E. Utilization of hostel facilities

Accommodation available (No. of beds): 28

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January **2024**	02	07	
February **2024**	31	04	
March **2024**	10	04	
April **2024**	02	02	
May **2024**	26	03	
June **2024**	00	00	
July **2024**	00	00	
August **2024**	33	07	
September **2024**	01	01	
October **2024**	00	00	
November **2024**	07	01	
December **2024**	19	01	

F. Database management

S. No	Database target	Database created

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

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

H. Performance of Nutritional Garden at KVK farm

If Nutritional Garden developed at KVK farm/Village Level? Yes/~~No~~

If yes,

Nutritional Garden developed at KVK farm

Area under nutritional garden (ha)	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers visited
0.25 ha.	Vegetable crops	Tomato, Cowpea, Bottle gourd, Muskmelon, Spinach, Radish, Chilli, Brinjal, Ridge gourd, Clustebean, Okra, Sponge gourd, Pumpkin	723
	Fruit crops	Papaya, Drumstik, Banana, dragon fruit	
	Others if any	Marie gold	

Nutritional Garden developed at Village Level (Area under nutritional garden)

No. of Villages covered	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers covered
10	Vegetable crops	Pumpkin, Cowpea, Bottle gourd, Muskmelon, Spinach, Radish, Chilli, Brinjal, Ridge gourd, Cluster bean, Okra, Sponge gourd, Tomato	67
2	Fruit crops	Papaya	27
	Others if any	-	

H. Details of Skill Development Trainings organized

S.No.	Name of KVKs/SAUs/ICAR Institutes	Name of QP/Job role	Duration (hrs)	No. of participants					
				SCs/STs		Others		Total	
				Male	Female	Male	Female	Male	Female

17. FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute With KVK	BANK OF BARODA	AMBUJANAGAR TA: KODINAR DIST: JUNAGADH		AMBUJA CEMENT FOUNDATION KRISHI VIGYAN KENDRA	95790100002955	363012511	BARB0DBBUJA

B. Utilization of KVK funds during the year 2024-25 (Rs. in lakh) (Till Jan, 2024)

S. No.	Particulars	Opening	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	0.62	178.94	169.14
2	**Traveling allowances**		-	
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	0.00	8.00	6.08
B	POL, repair of vehicles, tractor and Equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	**Works ((ICAR Admin & Hostel Reparing)**	00	9.82	0.00
2	**Equipments including SWTL & Furniture**			-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			-
4	**Library** (Purchase of assets like books & journals)			-
TOTAL (B)		-		-
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**0.62**	**196.76**	**175.22**

C. Status of revolving fund (Rs. in lakh) for the Four years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2019 to March 2020	16..26	17.41	14.79	18.88
April 2020 to March 2021	18.88	16.34	11.46	23.76
April 2021 to March, 2022	23.76	16.08	16.36	23.48
April 2022 to March, 2023	23.48	33.75	26.01	31.22
April 2023 to March 2024	31.22	43.83	18.35	56.75
April 2024 to Jan 2025	56.70	15.27	10.95	61.02

17. Details of HRD activities attended by KVK staff during year

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online/Offline)	Dates (Days)
Ramesh Rathod	SMS- Plant Protection	Regional consultation on Science of Natural Farming at Pune	YASHADA, Pune, Maharashtra	Offline	1
Ramesh Rathod	SMS- Plant Protection	Natural Farming workshop	Raj Bhavan, Gandhinagar, Gujarat	Offline	1

18. Details of progress in Doubling Farmers Income (DFI) villages adopted by KVKs

Name of the village	Total No. of families surveyed	Key interventions implemented	No. of farmers covered in each intervention	Change in income (Rs/unit)	
				Before (base year)	After (current year)
Gangetha	38	FLD, OFT, Trainings, Extension activities	262	153017	309094.34
Jargali	49	FLD, OFT, Trainings, Extension activities		192011	391702.44

19. Details of activities planned under NARI /PKVY / TSP / KKA, etc.

S. No.	Name of the programme	No. of villages adopted	Key activities performed	No. of activities carried out	No. of families covered

20. Details of Progress of ARYA Project

Name of Enterprise	No of Training Conducted	No of Beneficiaries	No of Extension Activities	No of Beneficiaries	No of Unit established	Change in income		No. Of Groups Formed
						Before	After	

21. Details of SAP (2024)

S. No.	*Types of major Activity conducted- Swachhta Pakhwada, Cleaning, Awareness Workshop, Microbial based Agricultural Waste Management by Vermicomposting etc*	No. of Programmes conducted	No. of Participants
1	Awareness training on farm waste management through vermi composting	01	67
2	Awareness on farm waste management through various composting methods	01	50
3	Cleanliness and awareness in the residential area and public places	01	350
4	Training programme on Natural farming and vermicomposting under swachh bharat abhiyan	01	53
5	Waste to wealth through component like vermicomposting	01	56

6	Awareness on swachhta among rural livelihood and importance of composer culture for FYM from coconut field residues	01	109
7	Awareness and training programme on various composting methods and awareness regarding swachhata related activities in nearby villages under swachhta pakhwada (15th Sept to 2nd Oct 2024)	16	1654
8	Awareness on plastic free india	02	72
9	Awareness on vermicompost as a part of swachhata abhiyan	01	45
10	Awareness on farm waste management through various methods	01	36
11	Awareness on swachhata and cleaning the residence area	01	104
	Total	**27**	**2596**

Sr. No	Name of KVK	Date	***Activity***	No of VIPs	No of Farmers	Others	Total
1	Junagadh	11.05.2024	Awareness programme about Swachhta.		24		24
2	Junagadh	11.05.2024	Awareness on swachhta and natural farming		20		20
3	Junagadh	20.05.2024	Awareness and training programme on vermicompost production and waste management		57		57
4	Junagadh	21.05.2024	Importance and role of farm waste management in swachhata		33		33
5	Junagadh	08.06.2024	Training programme of vermicompost		24		24
6	Junagadh	08.06.2024	Awareness on plastic free environment for better tomorrow		42		42
7	Junagadh	10.06.2024	Awareness on waste management		20		20
8	Junagadh	11.06.2024	Awareness on need of cleanliness in the local area		30		30
9	Junagadh	11.06.2024	Awareness on waste decomposer		25		25
10	Junagadh	16.06.2024	Awareness on Importance of vermicompost in natural farming for sustainable agriculture		10		10
11	Junagadh	20.06.2024	Awareness and training programme on vermicompost production and waste management		32		32
12	Junagadh	26.07.2024	Awareness on swachhata amang farmers		40		40
13	Junagadh	02.08.2024	Awareness on vermicompost as a part of swachhata abhiyan		33		33
14	Junagadh	12.08.2024	Awareness on swachhata and cleaning the residence area		26		26
15	Junagadh	17.09.2024	Awareness on swachhata amang farmers		29		29
16	Junagadh	25.10.2024	Awareness on waste decomposer	05	153		158
17	Junagadh	22.11.2024	Awareness programme about Swachhta.		26		26
18	Junagadh	25.11.2024	Awareness on swachhata and natural farming		12		12
19	Junagadh	27.12.2024	Orientation of school children on various topics like hygiene, sanitation, cleanliness.		109		109
20	Junagadh	31.12.2024	Awareness on importance of cleanliness among livelihood		50		50

22. Books published 20224

Title of the Book	Authors	ISBN No (Optional) / Pages No	Description/review of the book (one paragraph/sentence)

23. Footfall in KVKs

State	Name of KVK	No. of Footfalls			
		Farmers	Officials	VIPs	Total
Gujarat	Junagadh	12924	22	-	**12946**

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

APR SUMMARY

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

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	98	2135	718	2853
Rural youths/Vocational	06	89	153	242
Extension functionaries	02	85	06	91
Sponsored Training	14	584	335	919
Vocational Training	0	0	0	0
Total	120	2893	1212	4105

2. Frontline demonstrations

Crops/Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	314	126.00	
Pulses	91	32.00	
Cereals	28	7.50	
Vegetables	10	4.00	
Other crops	20	8.00	
Hybrid crops			
Total	**463**	**177.50**	
Livestock & Fisheries	05	-	05
Other enterprises	143	-	143
Total	**148**	**-**	**148**
Grand Total	**510**	**203.5**	**117**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	9	45	45
Livestock			
Various enterprises	2	15	15
Total			
Technology Refined	11	60	60
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	11	60	60

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	4791	23007
Other extension activities	186	-
Total	4977	23007

5. Mobile Advisory Services (Advisory through Social media)

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	98	0	20		1		
	~~Voice~~ / Video	106	0			4	1	
	Voice & Text both							
	Total Messages	**204**	**0**	**20**		**5**	**1**	**230**
	Total farmers Benefitted							

6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (q)	31.10	(Stored)
Planting material (No.)	4845	4845
Bio-Products (kg)	-	-
Livestock Production (No.)	312	14247
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (₹)
Soil	1603	320600
Water	1063	106300
Plant	-	-
Total	**2666**	**426900**

8. HRD and Publications

Sr. No.	Category	Number
1	Abstract	04
2	Workshops	01
3	Conferences	-
4	Meetings	05
5	Trainings for KVK officials	01
6	Visits of KVK officials	03
7	Book published	-
8	Training Manual	-
9	Book chapters	-
10	Booklet	
11	Leaflets/ Folder/ Pamphlet	02
12	Research papers	
13	Technical Bulletin	
14	Popular article	38
15	Lead papers	01
16	Seminar papers	
17	Extension folder	
18	Proceedings	
19	Award & recognition	
20	On-going research projects	-
21	Other	-