ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2022

(January 2022 to December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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		
KVK-Vadodara (Mangalbharti) At.&Po.Golagamdi, Ta.Sankheda, Dist. Chhotaduepur.-391125	08141150500	``	kvkvdr@gmail.com	www.kvkvadodara.org (144165)

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

Address	Telephone		E mail	Website address
	Office	FAX		
Mangalbharti At.&Po.Golagamdi, Ta.Sankheda, Dist. Chhotaduepur.-391125	08141150500	-	kvkvdr@gmailcom	www.kvkvadodara.org

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. B. M. Mehta	08141150500	09426834346	bmehta_61@rediffmail.com

1.4. Date and Year of sanction: 1995

1.5. Staff Position (as on December, 2022)

					If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	**Sanctioned post**	**Name of the incumbent**	**Mobile No.**	**Discipline**	**Current Pay Band**	**Current Grade Pay**	**Date of joining**	
1.	Senior Scientist and Head	Dr.B.M.Mehta	9426834346	Horticulture			17/09/2013	
2.	Subject Matter Specialist	C. R. Patel	9725017823	Agronomy			23/06/2011	
3.	Subject Matter Specialist	M. C. Brahmbhatt	9909033890	Horticulture			11/07/2011	
4.	Subject Matter Specialist			Animal Science	**VACANT**			
5.	Subject Matter Specialist	Mrs. Leena Joshi	7990624014	Home Science			02/05/2023	
6.	Subject Matter Specialist	B. L. Dhayal	9879013551	Ext.Edu			23/08/2013	
7.	Subject Matter Specialist	V.D.Patel	9099216798	Plant Protection			06/02/2017	
8.	Programme Assistant	K. K. Sutaria	8238089309				01/12/2008	
9.	Computer Programmer	M.R.Kulkarni	9429824313				21/01/2008	
10.	Farm Manager	Hariom Sharma	9437227991				02/09/2013	
11.	Accountant/Superintendent	V.V.Shah	8238089320				04/06/2001	
12.	Stenographer	C.M.Raval	9265712399				02/09/2013	
13.	Driver 1	R.N.Prajapati	8238089304				17/01/2008	
14.	Driver 2	Z. S.Vora	8238089376				27/06/2011	
15.	Supporting staff 1	P.B.Rathwa	8238089311				05/09/2003	
16.	Supporting staff 2	J.R.Tadvi	9904123920				29/07/2002	

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.30
2.	Under Demonstration Units	2.00
3.	Under Crops	8.00
4.	Horticulture	1.50
5.	Pond	0.50
6.	Others if any	6.70

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.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2001	561.43	18,23,216/-			
2.	Farmers Hostel	ICAR	2011	300.75	26,57,744/-			
3.	Staff Quarters (8+6=14)	ICAR	2001	694.61	29,23,910/-			
4.	Fencing	ICAR	2006	1709 Rmt.	3,45,000/-			
5	Rain Water harvesting system	ICAR	2007	62x39mt.	9,78,000/-			
6	Threshing floor	ICAR	2010	41.82 (sqmt)	1,93,440/-			
7	Farm godown	ICAR	2010	55.76 (sqmt)	2,86,422/-			
8	Implement shed	ICAR	2010	55.76	2,99,000/-			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor with implements (Massey Ferguson)	01/11/19	6,50,000=00	999 hrs.	Good Working condition
Mahindra Bolero	29/03/10	6,25,000=00	238737	Poor condition
Bajaj Discover	09/02/11	48,251=00	110315	Poor condition

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Electronic type writer	30/03/95	16,380=00	Poor condition /.Need to Dispose
Steel cupboard	30/03/95	3,300=00	Good
Iron cupboard	30/03/95	3,100=00	Good
Iron Table	30/03/95	6,370=00	Good
Chair	30/03/95	5,860=00	Good
Tractor Plough	31/03/95	15,000=00	Good
Slide Projector	31/03/95	16,500=00	Poor condition /.Need to Dispose
Overhead Projector	31/03/95	10,500=00	Poor condition /.Need to Dispose
VCR (onida)	01/09/96	14,300=00	Poor condition /.Need to Dispose
Micro Scope	19/09/96	3,500=00	Poor condition /.Need to Dispose
Camera (Canon)	28/09/96	2,350=00	Poor condition /.Need to Dispose
Moving trolley	28/09/96	6,500=00	Good
Store well	30/09/96	10,800=00	Good

Store well	30/09/96	3,200=00	Good
Office table	30/09/96	6,525=00	Good
Office chair	30/09/96	1,400=00	Good
Glass door cupboard	30/09/96	3,900=00	Good
Office Table	30/09/96	2,175=00	Good
Office chair	30/09/96	350=00	Poor condition /.Need to Dispose
ColourT.V.(crown)	15/10/96	18,800=00	Poor condition /.Need to Dispose
Office Table	30/10/96	3,200=00	Good
Office chair	30/10/96	350=00	Good
Microphone PCM with set accessories	11/03/98	8,495=00	Poor condition /.Need to Dispose
Slide Projector with remote	01/04/98	11,300=00	Poor condition /.Need to Dispose
Glass door cupboard	04/03/2000	3,150=00	Good
Wind wheel	20/10/2000	15,00=00	Good
Store well	31/01/2001	29,000=00	Good
Office chair	31/01/2001	3,000=00	Good
Table	31/01/2001	11,500=00	Good
File rake	31/01/2001	5,100=00	Good
Museum room self	28/02/2001	20,900=00	Good
Dias	01/03/2001	9,056=00	Poor condition /.Need to Dispose
Library table	15/03/2001	22,000=00	Poor condition /.Need to Dispose
Plastic chair	30/03/2001	11,900=00	Poor condition /.Need to Dispose
Multi panel kit-12	31/03/2001	11,954=00	Poor condition /.Need to Dispose
Flash kit-4	31/03/2001	12,5000=00	Good
Eco display with 3 panel	31/03/2001	5,773=00	Good
Info panel wall type	31/03/2001	6,611=00	Good
Kitchen mixture	31/03/2002	1,995=00	Good
Cupboard & stand	31/03/2003	9,975=00	Good
Xerox machine (Canon-7160)	30/03/2004	79,800=00	Poor condition /.Need to Dispose
Rotavator (rotary)	31/12/2004	49,000=00	Poor condition /.Need to Dispose
Office Table	30/09/2005	33,500=00	Poor condition /.Need to Dispose
Office chair	30/09/2005	9,600=00	Poor condition /.Need to Dispose
File rake	30/09/2005	6,400=00	Good
Computer with Accessories (Compaq)	14/02/2006	64,500=00	Poor condition /.Need to Dispose
Steel cupboard	26/02/2006	10,440=00	Good
Plastic chair	26/02/2006	4,560=00	Poor condition /.Need to Dispose
Pneumatic cotton planter	28/03/2006	47,400=00	Under TMC-MM-II Grant
Power weeder	28/03/2006	33,500=00	Under TMC-MM-II Grant

Computer table	31/03/2006	3,165=00	Poor condition
Office table	31/03/2006	3,165=00	Poor condition
Computer chair	31/03/2006	4,310=00	Poor condition
Plastic chair	31/03/2006	8,125=00	Poor condition
Rake	31/03/2006	16,235=00	Poor condition
Storage cupboard	31/03/2006	25,250=00	Under STL grant
Storage cupboard	31/03/2006	5,150=00	”
Cupboard	31/03/2006	4,500=00	”
Angel rake	31/03/2006	7,100=00	”
Store well	31/03/2006	12,300=00	”
Office table	31/03/2006	7,500=00	”
Stand frame rake	31/03/2006	6,200=00	”
Revolving chair	31/03/2006	43,10=00	”
Revolving stool	31/03/2006	2,700=00	”
Plastic stool	31/03/2006	755=00	”
Store well cupboard	31/03/2006	15,000=00	”
Fixed wall steel cupboard	31/03/2006	85,021=00	”
Hot Plate Rectangular(Nova-NV-8535)	28/02/2006	7,500=00	Poor condition /.Need to Dispose
Rotary shaker(Nova-NV-853)	28/02/2006	25,250=00	Good
Voltage stabilizer(Nova-NV/14)	28/02/2006	16,000=00	”
“EL” Microprocessor Flame Photometer (Model-CL-387)	28/02/2006	35,250=00	Under STL grant
“EI” Microprocessor based pH meter (Model-1012)	28/02/2006	15,275=00	Poor condition /.Need to Dispose
“EI” Microprocessor based Conductivity/TDS meter (Model-1601)	28/02/2006	17,450=00	Poor condition /.Need to Dispose
Single pan balance ‘K-Roy”(Model: K-14 Deluxe)	28/02/2006	11,950=00	Good
Electronic Balance: Multi-function series (Model: Swis-310)	28/02/2006	14,900=00	Good
Visible Spectrophotometer(FGSL-177 Scanning)	02/03/2006	55,944=00	Good
Electronic Automatic Kel Plus Micro- processor based Twelve Place macro block Digestion System (Model: KES 12 L)	16/03/2006	96,020=00	Poor condition /.Need to Dispose
Electronic Kel Plus Micro- processor based Automatic Distillation System (Model: DISTY-EM)	16/03/2006	1,25,350=00	Poor condition /.Need to Dispose
Sampling Augers (Hand size 3”)	25/03/2006	1,200=00	Good
Sampling Augers (Hand size 6”)	25/03/2006	2,150=00	Good
Extension Rod - Size: 3”	25/03/2006	800=00	Under STL grant
Size: 6”	25/03/2006	1,050=00	Good

Refrigerator 330 Lit (Ken star-SR)	27/03/2006	15,000=00	Good
Stabilizer	27/03/2006	500=00	Poor condition /.Need to Dispose
'Nova' Willey mill stainless steel body	06/03/2006	21,550=00	Poor condition /.Need to Dispose
'Nova' Horizontal shaker-Kahn-Platform	06/03/2006	24,975=00	Poor condition /.Need to Dispose
"Mac" Electrically Heated all glass Distillation apparatus (Model: MSW-193)	06/03/2006	16,350=00	Poor condition /.Need to Dispose
Test Sieves Size: 3.35mm	25/03/2006	475=00	Good
Size: 2.00 mm	25/03/2006	475=00	"
Soil Hydrometer Range: 58-92%	25/03/2006	700=00	"
High speed stirrer: IS: 2720IV)	25/03/2006	11,400=00	"
Hand/Sugar Refractometer	25/03/2006	2,500=00	"
Hanna Pocket pH Meter	25/03/2006	2,600=00	"
Hanna Pocket TDS Meter	25/03/2006	2,450=00	"
Aero Blast Sprayer (Aspee-Mod.No.ATB/6HDP)	06/02/2007	86080=00	Under TMC-MM-II
LCD Projector (Panasonic-Model. No.-PT-PISD1500luens.	16/03/07	73010=00	Poor condition and not working condition so, this projector is buyback and purchase new Projector EPSON-EX-31
DVD Handy Cam(Sony.Model:608E	20/03/07	20500=00	Poor condition
Digital Camera(OriteMod.No.-C8000	20/03/07	9200=00	
Trolley With Cabinet	16/03/07	10688=00	
Projector Screen with Stand (Size:52"70)	16/03/07	11560=00	Poor condition
Seed cum fertilizer drill	28/11/10	30000=00	Under ICAR grant Poor condition
Projector EPSON-EX-31	24/3/17	33700=00	Working Conditions
Hitachi Air Condition No.2	23/3/17	80000=00	Working Conditions
Nikon Digital Camera D-5300 & Sony Handy-cam PJ-675	14/3/17	94800=00	Working Conditions
RO with Cooler	20/3/17	79990=00	Working Conditions
Computer with Accessorizes No.3	14/3/17	149953=00	Working Conditions
Office Table (7+2)	28/3/17	41800=00	Working Conditions
STRF METER	18/11/2015	95200=00	Working Conditions
Mridaparikshak	30/03/2017	90300=00	Faulty instruments

1.8. Details of SAC meeting conducted in the year:

<table>
<tr><th>Date</th><th>Name and Designation of Participants</th><th>Salient Recommendations</th><th>Action taken</th></tr>
<tr>
<td>04-01-2022</td>
<td>
1. Sh. Dhirubhai B. Desai,,Chairman, Mangalbharti Trust.
2. Dr. H.B. Patel,DEE, AAU, Anand
3. Dr. Rajesh T.,Scientist, ICAR-ATARI, Pune
4. Dr. Dinesh,Prin. Scientist & Head, ICAR-IISWC,Vasad
5. Dr.M.M.Patel,Joint Director of Agriculture, Vadodara
6. Dr.N.I.Shah,Principal & Dean, College of Horticulture, AAU, Anand.
7. Dr.V.J.Patel,Associate Professor & Head, Dept. of Agronomy., AAU,Anand.
8. Dr. K.N Wodhwani,Res. Sci& Head, LRS, AAU, Anand
9. Sh.Nitinbhai Vasava,District Agriculture Officer, Vaddoara
10. Dr.P.K.Sharma,Senior Scientist & Head, KVK Kheda
11. D.N.Patel,Proj.Director. ATMA-Chhotaudepur
12. A.M.Patel,Deputy Director Horticulture , Vadodara
13. Girish S. Pathak,Sr. Prog. Manager, Shroff Foundation Trust.
14. Ranjanben M .Kolcha,Progressive Women farmer.
15. Koli Rajubhai Bhikhabhai,Progressive farmer.
16. Jaydip Desai,Ass. Prof. DEE, AAU, Anand
17. K.M. Parmar,BSVS, Chhotaudepur
18. Mayank Patel,Agri. Entrepreneur, Shivam Traders, Bodeli
19. Abhijet N. Panchbhai,Horti. officer , Chhotaudepur
20. Dr.V.K.Garasia,Dept.Dir Animal Husbandry, D.P.Chhotaudepur
21. N.T.Baria,,Rang Forest Officer ,Sankheda
22. Dr.D.J.Patel,Veterinary Officer, Sankheda
23. Kundal Lal,Lead District Bank Manager , Chhotaudepur
24. Darshan Deore,AGM, NABARD
25. Dr.B.M.Mehta,Sr.Scientist & Head, KVK Vadodara
26. Sh. C.R.Patel,SMS (Agronomy), KVK- Vadodara
27. Sh. J.P.Meena,SMS (Animal Science), KVK-Vadodara
28. Sh. M.C.Brahmbhatt,SMS (Horticulture), KVK-Vadodara.
</td>
<td>KVK should include training on Natural farming in AAP-2022</td>
<td>
➢ Total 10 Number of Training programme were planned in AAP - 2022. Total 3 On Campus of 4 days and 7 Off Campus 1 day programme planned for 285 farmers in AAP-2022.
<table>
<tr><th>Discipline</th><th>On Camus</th><th>Off Camus</th><th>No. of Farmer</th></tr>
<tr><td>Agronomy</td><td>3</td><td>3</td><td>165</td></tr>
<tr><td>Horticulture</td><td>0</td><td>1</td><td>30</td></tr>
<tr><td>Plant Prot.</td><td>0</td><td>1</td><td>30</td></tr>
<tr><td>Ext.Edu</td><td>0</td><td>1</td><td>30</td></tr>
<tr><td>Animal Sci.</td><td>0</td><td>1</td><td>30</td></tr>
</table>
</td>
</tr>
<tr><td>KVK should given weightage on natural farming practices during planning ofFLD, training and other extension activities.</td><td>➢ Total 4 Training Prog. of 2 days, 2 awareness Prog, 2 Group Meeting, 1 Exhibition and 6ha Demo on Natural Farming ware implemented in current year. Total 561 farmers benefited in different activities on Natural Farming.</td></tr>
<tr><td>KVK develop one acre unit of natural farming at instructional farm</td><td>➢ At present 0.40 ha. Area developed as a PANCHSTRIYA Model of Natural farming and planted grafted plants of Custard Apple, Sapota, Guava, Figs and Mango. Also planted Medicinal plants i.e. Tulasi, Ashwagandha and Kariyatu as an inter crops.</td></tr>
<tr><td>Laid down the demonstration of new variety of castor</td><td>➢ KVK laid down the 10 demonstration in 2 ha on Castor Var. GCH-8 at Bhagwanpura and Dhebarpura Village of Bodeli block during current season. Crop is standing.</td></tr>
<tr><td>Demonstrate the relay cropping in cotton with Castor crop.</td><td>➢ KVK demonstrated 10 demonstration on relay cropping technologies in Cotton with Castor in 2 ha (Var. GCH-8) at Bhagwanpura and Dhebarpura Village of Bodeli block. Crop is standing.</td></tr>
<tr><td>Demonstrate the bunch feeding technology in Banana instead of Arka Banana Special.</td><td>➢ KVK Demonstrated 20 demo on Bunch feeding Technology in Banana in 1 acre at farmer field in Bhuriyakuwa and Kadwaliya village of Bodeli block.</td></tr>
<tr><td>Collect the chrysanthemum variety “Ratlam selection” from AAU andmultiply at KVK and laid down FLD on it.</td><td>➢ KVK Collected the some planting materials of “Ratlam Selection” variety of Chrysanthemum, but not sufficient for FLD planning. It is kept for multiplication in KVK Nursery. Next year we will try to plan for FLD on it.</td></tr>
<tr><td>Training of natural farming to ATMA - FPO members</td><td>➢ Two FPO/FPC were registered for Natural Farming in Chhotaudepur District. CBBO (Transgraphs Consulting Pvt.Ltd) recently started their activities. In future we will joint hand with the training programme and other activities.</td></tr>
<tr>
<td>For Bank literacy programme collaborate with LDM and FLCC convener</td>
<td>
➢ Total 3 programmes were conducted with SBI,BOB and ICICI bank of Sankheda blocks for financial literacy.
<table>
<tr><th>Date</th><th>Title</th><th>No. of Farmer</th></tr>
<tr><td>27-01-22</td><td>Awareness regarding State Govt. Agriculture development scheme and Bankable Scheme</td><td>25</td></tr>
<tr><td>10-06-22</td><td>Entrepreneurship development through dairy</td><td>24</td></tr>
</table>
</td>
</tr>
</table>

	29. Sh. B.L.Dhayal,SMS (Agril. Extension), KVK-Vadodara **30. Sh. V.D.Patel,SMS (Plant. Protection), KVK-Vadodara** **31. Sh. Keyur Patel,SMS (Agromet), DAMU project, KVK Vadodara**		<table><tr><td></td><td>**farming and Role of Bank in Dairying**</td><td></td></tr><tr><td>**24-11-22**</td><td>**Knowledge about Government and Banking Scheme**</td><td>**29**</td></tr></table>
		Create database of farmers who is adopting natural farming	We are in process of creating data base of Natural farming adopted farmers. We are continuing to update it on regular basis. <table><tr><th>Sr.No.</th><th>Block</th><th>No. of Farmers</th></tr><tr><td>1</td><td>Sankheda</td><td>15</td></tr><tr><td>2</td><td>Bodeli</td><td>15</td></tr><tr><td>3</td><td>Jetpurpavi</td><td>5</td></tr><tr><td>4</td><td>Kawant</td><td>5</td></tr><tr><td>5</td><td>Chhotaudepur</td><td>5</td></tr><tr><td>6</td><td>Naswadi</td><td>5</td></tr><tr><td></td><td>Total</td><td>50</td></tr></table>
		Impact analysis should be done on economics points of view in AGRESCOProject.	➢ As per suggestion KVK submitted the research proposal on "Economic analysis of Dairy farmers in Chhotaudepur District of Gujarat in 20th AGRESCO and result will submit in next 21st AGRESCO at AAU, Anand in Feb-23.
		Motivate the farmers to convert chemical farming to natural farmingPractices.	➢ All KVK scientists Motivate the farmers for adopting Natural farming and its aware regarding the minimum use of chemicals fertilizers and insecticides. <table><tr><th>Title</th><th>No. of Prog.</th><th>No. of Farmer</th></tr><tr><td>Training on NF</td><td>4</td><td>113</td></tr><tr><td>Awareness Program</td><td>2</td><td>34</td></tr><tr><td>Group Meetings</td><td>2</td><td>31</td></tr><tr><td>Demo. on Wheat crop</td><td>6ha</td><td>20</td></tr><tr><td>Exhibition on NF</td><td>1</td><td>363</td></tr></table>
		Monitor and aware the wheat growers about phalaris minor (Gully danda)weeds and report to AAU scientists. .	➢ During the reporting period, there was no any incidence reported of Phalaris Minor (Gully danda) weeds in Chhotaudepur. KVK scientist aware the farmers regarding identification and harmful effect of phalaris minor weed during their different activities at KVK as well as village level.
		Demonstrate the protected coline instead of mineral mixture in milchanimals.	➢ The cost of Coline is high as compared to Mineral mixture where as budget is limited in current year. So we wait for final budget. ➢ SMS (AH) had resigned from the post, so presently it is vacant.
		Promote the Shirohi breed of Goat instead of Surti in tribal hilly area	➢ KVK promote the Shirohi breed of Goat and motivate the farmers to adopt Goatery as secondary enterprise with Agriculture. But the bottleneck is the non availability of genetically pure breed kids and bucks for further multiplication...

<table>
<tr><td></td><td></td><td>Training, demonstration and data collection on pest management through Natural farming methods at farmer's field.</td><td>➢ Total 06 training and awareness programme were organized on Natural Farming at KVK as well as field level.
➢ KVK had prepared and distributed 400 litters of Botanical pesticides to the farmers for demonstration.
➢ In field condition botanical pesticides effectively controls the sucking pest in cotton, tomato and broccoli crops.</td></tr>
<tr><td></td><td></td><td>Collect the data on vegetable varieties used by the farmers in the district</td><td>KVK scientist collected the data on vegetable varieties used by farmers in Chhotaudepur district.
<table>
<tr><th>Crop</th><th>Varieties</th></tr>
<tr><td>Chilli</td><td>Sitara, Nisha, Gauri, Eagle, kaveri-1230, CT-20,Gulf-333, legend, Pallavi, Supergreen, Divyashakti -61, Devsena</td></tr>
<tr><td>Tomato</td><td>Syngenta - 1057,2048,2174, Rishika, Himsona, Namdhari-1019, NSL -2587, Redgold, Nirmal- 2383</td></tr>
<tr><td>Brinjal</td><td>Sungrow-143, Eagle – Utkarsh, Eagle-Sanskar, Nirmal – 1400, 1641, Mahyco-Chocolaty brinjal</td></tr>
<tr><td>Okra</td><td>Radhika, UPL – Navya, Ratna,Rani Kaveri-Beena,1107, Asiatic-Jeeva
NSL- Bindu</td></tr>
<tr><td>Cabbage</td><td>Seminis-Indu, Nobalboll, Superball, Shubham-60</td></tr>
<tr><td>C.Flower</td><td>Nobal- Happy, Snowwhite, Syngenta-Lucky,1527</td></tr>
<tr><td>Bottle gourd</td><td>Mahyco -8, Varadgold, Syngenta- lucky,1527</td></tr>
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<tr><td></td><td></td><td>KVK should given weightage on natural farming practices during planning ofFLD, training and other extension activities.</td><td>➢ Total 4 Training Prog. of 2 days, 2 awareness Prog, 2 Group Meeting, 1 Exhibition and 6ha Demo on Natural Farming ware implemented in current year. Total 561 farmers benefited in different activities on Natural Farming.</td></tr>
<tr><td></td><td></td><td>KVK develop one acre unit of natural farming at instructional farm</td><td>➢ At present 0.40 ha. Area developed as a PANCHSTRIYA Model of Natural farming and planted grafted plants of Custard Apple, Sapota, Guava, Figs and Mango. Also planted Medicinal plants i.e. Tulasi, Ashwagandha and Kariyatu as an inter crops.</td></tr>
<tr><td></td><td></td><td>Laid down the demonstration of new variety of castor</td><td>➢ KVK laid down the 10 demonstration in 2 ha on Castor Var. GCH-8 at Bhagwanpura and Dhebarpura Village of Bodeli block during current season. Crop is standing.</td></tr>
</table>

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
Crop	Agril. Alone Agril. Horticulture Agril.-Animal Husbandry Agril.-silviculture
Enterprise	Agriculture and Animal Husbandry

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

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	**Middle Gujarat zone III**	**Average rain fall is 800-1000 mm. Geographically Vadodara district is located between 210 49' to 220 49' north latitude and 720 51' to 740 17' east longitude**

b)Topography

S. No.	Agro ecological situation	Characteristics
1	Sandy loam soil with high rain fall	Altitude (in meter above MSL): 25-75 Taluka : Vadodara, Padara, Savli, Dabhoi, Waghodia
2	Medium black soil with high rain fall	Altitude (in meter above MSL): 75-150 Taluka: Pavijetpur, Chhotaudepur, Naswadi, Karjan
3	Deep black soil with high rain fall	Altitude (in meter above MSL): 25-75 Taluka: Dabhoi, Sankheda, Shinor, Karjan
4	Light soil with high rain fall	Altitude (in meter above MSL): 150-300 Taluka: Chhotaudepur (tribal base)

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Black soil	Moderate to severe erosive,Poor soil Fertility,Poor Irrigation facility	**88864**
2	Medium black	Water logging,Very Poor Permeability,Poor Soil Physical condition **Low to medium in N & P Content**	**208646**
3	Sandy loam	Highly erosive,Shallow to medium in depth,Poor permeability **Low to medium N & P content**	**174021**
4	Sandy	**Sandy soils are often dry, nutrient deficient and fast-draining. They have little (or no) ability to transport water from deeper layers through capillary transport.**	**36305**
5	Salt affected	**saline soils are those which have an electrical conductivity of the saturation soil extract of more than 4 dS/m at 25°C , Sodium and chloride are by far the most dominant ions**	**4888**

2.4. Area, Production and Productivity of major crops cultivated in the area of jurisdiction of KVK (2019)

Sr. No	Crop	Vadodara			Chhotaudepur		
		Area (ha)	Production (Mt)	Productivity (qt. /ha)	Area (ha)	Production (Mt)	Productivity (qt. /ha)
A	***Kharif* :**						
1	Cotton (Lint)	81044	342768	7.19	80978	57926	7.16
2	Pigeon Pea	31321	40600	12.99	20562	22618	11.00
3	Paddy	34698	68700	19.80	21362	33666	15.76
4	Maize	600	1100	17.70	30903	17400	5.60
5	Bajara	900	1600	16.50	0	00	0
6	Castor	48719	99200	20.36	4220	9039	21.42
7	Green gram	47	16	3.40	200	82	3.34
8	Black gram	87	50	5.74	73	42	5.64
9	Soybean	11100	18300	16.44	10100	17300	17.07
B	*Rabi*						
1	Maize	5000	11200	22.57	25100	64700	25.80
2	Wheat	23300	60300	25.83	400	1300	34.71
3	Gram	300	400	14.49	200	300	13.57
C	**Summer**						
1	Groundnut	22	47	21.36	100	400	21.55
2	Bajara	4000	9000	22.41	0	0	0
3	Green gram	408	300	6.39	481	291	4.26
4	Sesamum	162	79	4.87	133	63	4.73
	Horticultural crops						
1	Fruits	19441	672106	34.57	12270	590684	48.14
2	Vegetables	31274	577075	18.45	14564	285428	19.60

Source: District agriculture department.

2.5. Weather data (2022)

Month	Rainfall (mm)	Normal Rainy days (number)	Temperature (^{0} C)		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
Jan-22	7.5	1	27.3	13.8	94.8	36.1
Feb-22	0	0	31.5	14.1	94.4	25.0
March-22	0	0	37.2	19.1	86.5	18.6
April-22	0	0	39.9	21.6	90.5	17.5
May-22	0	0	39.9	27.4	97.6	26.6
June-22	75.3	4	37.7	27.5	99.3	40.2
July-22	**611.6**	21	31.5	25.7	96.7	70.1
Aug-22	201.8	8	31.8	25.8	100.0	69.6
Sept-22	108.2	5	33.5	25.6	99.9	57.6
Oct-22	70.8	2	34.3	22.3	93.2	36.3
Nov-22	0	0	33.1	17.9	80.8	24.3
Dec-22	0	0	30.8	17.3	84.9	34.7

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

Category	Population(00 No)	Production (mt)	Productivity(kg/day)
Cattle			
Crossbred	4860	33.71	11.85
Indigenous	2694	102	5.53
Buffalo	5878	253	6.24
Sheep	132	4.12	932
Goats	2916	13.45	0.66
Poultry			
Hens	3323	160.55	125
Desi	-	-	-
Category		Production (Q.)	Productivity
Fish (Reservoir)	-	-	-

2.7. Details of Operational area / Villages

Sl No	Tehsil	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sankheda	Sankheda	**Saradiya, Raipur, Sundarpura,Kathmandva,Targod, Navapura, Ambapura ,Vagetha, Deroli,Amalpur,Kapdiya,Fajalpura,Bamroli, Kandewar**	***Kharif*** Cotton Pigeonpea Castor Banana Vegetables ***Rabi*** Maize **Summer** Greengram Groundnut	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4. Problem of pest & diseases 5. Depends only on manual weeding **Pigeon pea** 1. Improper spacing 2. Use of higher seed rate 3. Improper pest and disease management 4. Improper water management 5. Depends only on manual weeding **Castor** 1. Use of higher seed rate 2. Improper spacing 3. Indiscriminate use of fertilizer 4. Improper water management 5. Problems of wilt, rootrot and semi looper	 INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM IPM IDM

					Banana 1.No use of tissue culture plants 2. Not follow seed treatment to rhizome 3. Excess use of fertilizer 4. Excess use of water 5. Improper disease management **Maize** 1. Use of higher seed rate 2. Improper spacing 3. Higher application of nitrogenous fertilizer 4. Improper water management **Greengram** 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management 4. Improper pest and disease management	IWM ICM INM IWM ICM IPM`
2.	Naswadi	Naswadi	**Dhamasiya,Pochamba,Payakui,Kolamba,Akona.**Saripani	***Kharif*** Cotton Paddy Castor ***Rabi*** Wheat Gram **Summer** Greengram Groundnut	**Paddy** 1.Use of local seeds 2.Application of higher dose nitrogenous fertilizer 3.No use of micronutrients 4. T.P. at random method 5.In adequate and delayed plant protection 6.Use more seed rate 7.Problem of BLB, Hopper and stem borer **Wheat** 1. Use of local seeds 2. Delayed sowing 3. Use of higher rate of seed 4. Improper water management 5. Improper nutrient management 6. No use of micronutrients and Bio-fertilizers **Greengram** 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management 4. Improper pest and disease management	 ICM SRI INM IPM INM IWM ICM ICM INM IPM

3.	Waghodia	Waghodia	**Goraj, Rojyapura,Nurpuri,Dolapura.**	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding Pigeonpea 1. Improper spacing 2. Use of higher seed rate 3. Improper pest and disease management 4. Improper water management 5. Depends only on manual weeding Castor 1.Use of higher seed rate 2.Improper spacing 3.Indiscriminate use of fertilizer 4.Improper water management 5. Problems of wilt, rootrot and semi looper Maize 1. Use of higher seed rate 2. Improper spacing 3. Higher application of nitrogenous fertilizer 4. Improper water management Greengram 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management 4. Improper pest and disease Management	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM INM IWM ICM IPM
4.	Kawant	Kawant	**Khatiyawat, Baladgam, Mudamore,Kherka,Karajwant,Raypur,Piplada,Kanlalva , Gordha,Jamba .** Mankodi	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding **Pigeonpea** 1. Improper spacing 2. Use of higher seed rate 3. No use of micronutrients 4. Improper pest and disease management 5. Improper water management 6. Depends only on manual weeding **Maize**	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM INM

					1. Use of higher seed rate 2. Improper spacing 3. No use of micronutrients 4. Higher application of nitrogenous fertilizer 5. Improper water management	IWM
5.	Pavijetpur	Pavijetpur	**Ranbhunghati, Butiyapura,Kallarani,Haripura,**	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	Paddy 1.Use of local seeds 2.Application of higher dose nitrogenous fertilizer 3.No use of micronutrients 4. T.P. at random method 5.In adequate and delayed plant protection 6.Use more seed rate 7.Problem of BLB, Hopper and stem borer Cotton : 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding Maize 1. Use of higher seed rate 2. Improper spacing 3. No use of micronutrients 4. Higher application of nitrogenous fertilizer 5. Improper water management	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM
6	Bodeli	Bodeli	**Kapdiya,Nana Butiyapura,Ranbunghati, MotaButiyapura,Navapura, Kathmandva, Pitha, Bhagwanpura, Dhroliya, Vaniyadri,Kosum, Amalaug, Tandlja, Khodiya, Dholpur,**	***Kharif*** Cotton Pigeonpea Castor Banana Vegetables ***Rabi*** Maize **Summer**	Cotton : 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. 3. No use of micronutrients 4. Problem of pest & diseases 5. Depends only on manual weeding Pigeon pea 1. Improper spacing 2. Use of higher seed rate 3. Improper pest and disease management 4. Improper water management 5. Depends only on manual weeding	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM

			Timbi, Ladhod, Desan, Sajva, Dhebarpura,Deroli,Gordhanpura,MotaRaska.	Greengram Groundnut	Castor 1. Use of higher seed rate 2. Improper spacing 3. Indiscriminate use of fertilizer 4. Improper water management 5. Problems of wilt, rootrot and semi looper Banana 1.No use of tissue culture plants 2. Not follow seed treatment to rhizome 3. Excess use of fertilizer 4. Excess use of water 5. Improper disease management Maize 1. Use of higher seed rate 2. Improper spacing 3. Higher application of nitrogenous fertilizer 4. Improper water management Greengram 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management 4. Improper pest and disease management	INM IWM IPM ICM IPM IDM IWM ICM INM IWM ICM IPM`
7.	Chhotaudepur	Chhotaudepur	**Dhandoda,Raipur,NaniDumali,MotiDumali, Rojkuva , Kanas, Rangpur, Gunata**	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding **Pigeonpea** 1. Improper spacing 2. Use of higher seed rate 3. No use of micronutrients 4. Improper pest and disease management 5. Improper water management 6. Depends only on manual weeding **Maize** 1. Use of higher seed rate 2. Improper spacing 3. No use of micronutrients 4. Higher application of nitrogenous fertilizer 5. Improper water management	 INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM INM IWM

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Cotton	Integrated Nutrient Management Integrated Pest Management Integrated Weed management Varietal evaluation
Rice	Varietal evaluation Water Management Integrated Weed Management Integrated Nutrient management Integrated pest Management
Pigeonpea	Varietal evaluation Production and use of organic inputs Integrated pest Management
Gram	Varietal evaluation Production and use of organic inputs Integrated pest Management
Wheat	Integrated crop management Varietal evaluation Integrated weed management Integrated Nutrient management
Maize	Varietal evaluation Integrated Nutrient Management Integrated weed management
Castor	Integrated Pest & Disease Management Varietal evaluation Integrated Nutrient Management Water Management
Green gram	Varietal evaluation Integrated Pest & Disease Management
Urd bean	Varietal evaluation Integrated Pest & Disease Management
Soybean	Varietal evaluation///Integrated Pest & Disease Management
Cucurbits	Integrated Pest & Disease Management//Integrated Nutrient management
Banana	Integrated Nutrient Management //Integrated Weed management//Water Management
Vegetables	Integrated Pest & Disease Management Integrated Nutrient management
Animal husbandry	Management of Dairy animal for maximize the milk production Clean milk production, Animal Health management
Home science	Nutritional security for women and child popularize the drudgery reduction technology//Value addition Income generation activity

2. DETAILS OF DISTRICT / JURISDICTION AREA OF KVK

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
08	08	55	55	20	20	496	559

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
87	83	2480	2172	550	528	21259	67145

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
205	186.72	400000	195364

3.1. B. Operational areas details during 2022

Sr.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	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1.	Cotton	Injudicious use of chemical pesticides and lack of knowledge	535	Ambapura, Sundarpura	OFT On Assessment of IPM module for sucking pest in cotton
		Not using of bio pesticides	2020	Pitha, Vaniyadri	Training & method demonstration.
		Not using IPM Module.	1520	Sundarpura Butiyapura	FLD on IPM. Training and Field day.
		Non use of improved varieties.	220	Raipur,Kanalwa	FLD on Introduction of High density verity GTHH-49. Training and Field day.
		Not follow proper weed management practices.	1020	Raipur,Kanalwa	Training and Group meeting
		Not use of bio-fertilizer and Micro nutrient.	2020	Raipur,Kanalwa	Training and Group meeting
3	Maize	Not using of bio pesticides	570	Kathmandva, Navapura	FLD on bio-pesticide and Training and Field day.
		Not follow proper weed management practices.	220	Kathmandva, Navapura	Training and Group meeting
		Not use of bio-fertilizer and Micro nutrient.	270	Kathmandva, Navapura	Training and Group meeting
4	Urdbean	Non use of improved varieties.	470	Rangpur,Surshi	FLD on High yield Variety PU-31/NUL-7/IPU-2-43
		Not follow proper weed management practices.	270	Rangpur, Surshi	Training and Group meeting
		Not using IPM Module.	270	Rangpur, Surshi	Training and Group meeting
5	Soybean	Non use of improved varieties.	330	Kalarani, Raypur	FLD on High yield Variety KDS-344/NRC-37 and Field day
		Not follow proper weed management practices.	370	Kanalva, Gordha	Training and Group meeting
		Not using IPM Module.	350	Kanalva, Gordha	Training and Group meeting
6	Green gram	Low productivity due to Non use of improved varieties.	170	Jamli, Bhagvanpura	OFT on assessment of performance of different varieties of summer green gram FLD on High yield Variety GAM-5 and Field day and training.
		Not follow proper weed management practices.	120	Jamli, Bhagvanpura	Training and Group meeting
		Not using IPM Module.	120	Jamli, Bhagvanpura	Training and Group meeting
7	Pigeon pea	Non use of improved varieties.	270	Golagamdi, Manjrol	FLD on High yield Variety / GJP-1 / GT-106 and Field day.
		Low productivity due to Non use of improved varieties.	170	Golagamdi, Manjrol	OFT on assessment of performance of different varieties under unirrigated and rainfed condition
		Not follow proper weed management practices.	170	Golagamdi, Manjrol	Training and Group meeting
		Not using IPM Module.	170	Golagamdi, Manjrol	Training and Group meeting

8	Sesame	Non use of improved varieties.	120	Vaniyadri	FLD on GT-5/3 and Field day.
9	Chilli	Non use of improved varieties.	120	Tokarva,Vaniyadri Fajalpura,Kathmandava	OFT on Assessment of Variety of Chilli Arka Harita and Kashi Gaurv. Training on cultivation Practices, IPM and INM
10	Okra	Low yield Use of YVM susceptible varieties. Poor Knowledge of improved cultivation practices Improper use of fertilizer and pesticides.	170	Shithol,Nana Butiyapura,Tokarva Ranbhun ghati Targol, sagadhra	OFT On Assessment of Varieties of Okra Training on improved cultivation Practices like INM,IPM
11	Tomato	Low yield Poor Knowledge of improved cultivation practices Improper use of fertilizer and pesticides.	220	Kalarani,Khodiya Panej,Fajalpura Ambapura,	OFT On Assessment of pest and disease resistant Varieties of Tomato Healthy seedling Provision Training on INM and IPM in tomato
		High infection of TLMV, Late blight Yield losses due to diseases	220	Kalarani,Khodiya Panej,Fajalpura Kathmandava	FLD on Arka Rakshak Healthy seedling Provision Training on improved cultivation Practices
12	Banana+ Cabbage	Not following inter cropping in banana	120	Ambapura,Muldhar Fajalpura,	FLD on Inter Cropping with Cabbage(1:4) Training on INM and Irrigation management FLD on Banana Special fertilizer
13	Kitchen Garden	• Poor health and nutritional status of farm families	100 Nos	Kacchata,, Sundarpura, Khodiya	FLD & Training on Kitchen garden (Nutritional security by kitchen garden) FLD on Vegetable Special fertilizer
14	Poultry	Low body weight Less eggs production	All local native breeds	Kanlva, sundrapura,vatvtiya	OFT On Assessment of kadaknath & Ankleshwar under Back yard poultry
15	Buffalo	Low milk yield	220	Sundrapura, bhagwanpura,vatvatiya	. Training and Group meeting
16	Sorghum	Low yield of fodder	250	Vanyadri, sundarpur , saradiya,butiyapura	FLD on Cofs-29 and OFT on GAFS-11 , GAFS-12, CSV-46F
		Non use of improved varieties	170	Vanyadri, sundarpur , saradiya,butiyapura	FLD on Cofs-29
17	Oat	Non use of improved varieties	170	Vanyadri, sundarpur , saradiya,butiyapura	FLD on OS-405
18	Feed Supplement for milking Buffalo	• Low milk yield and poor reproduction in buffalo	320	Vanyadri, sundarpur ,saradiya,butiyapura, bhagwanpura	FLD on Mineral Mixture and common salt
		• Low milk yield and poor reproduction in buffalo	250	Vanyadri, sundarpur ,saradiya,butiyapura, bhagwanpura	FLD on Stavari powder
		• Imbalance feeding	320	Vanyadri, sundarpur , saradiya,butiyapura ,bhagwanpura	. Training and Group meeting

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2022, Rabi 2021-22, Summer 2022)

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
Varietal Evaluation	0	0	2	1	3	0	0	0	0	6
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Other (Varmicompost and KG	0	0	0	0	0	0	0	0	0	0
Total	0	0	2	1	3	0	0	0	0	6

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Nutrition Management	01	01	00	00	00	01
Feed and Fodder	01	00	00	00	00	01
TOTAL	01	01	00	00	00	02

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					
Varietal Evaluation	Greengram	Assessment of performance of different varieties of summer Green gram under irrigated condition	03	03	1.2
	Pigeon pea	Assessment of performance of different varieties of Pigeon pea under un irrigated/ rainfed condition.	03	03	1.2
	Chilli	Assessment of Verities of Chilli	03	03	1.2
	Okra	Assessment of Verities of Chilli	03	03	1.2
Integrated Pest Management	Tomato	Assessment of Pest and Disease resistant varieties in Tomato	03	03	1.2
	Cotton	Assessment of Technologies for the Management of pink boll work in Cotton	03	03	1.2

B. 2. Technologies assessed under Livestock & fishery assessment

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds **Poultry Management**	**Poultry**	Assessment of poultry breed under Back yard	10	10
Feed and fodder management	Sorghum (F)	Assessment	5	5

B.3 Technologies assessed under other enterprises
B 4.Technologies assessed under Women empowerment assessment

C. 1. Results of Technologies Assessed

OFT-1 Assessment of performance of different varieties of summer Green gram under irrigated condition. (Summer -2022)

Title of OFT	Assessment of performance of different varieties of summer Green gram under irrigated condition.
Problem Identified	• Low productivity of Green gram due to non use of improved.
Objectives	To find out suitable variety
Micro-farming Situation	Irrigated, Medium black Soil, Rainfall 800-1000 mm
Treatments	T1 : Farmers practices : Green gram (cv.GAM-5)
	T2 : To be assessed : Green gram (cv.GM-6)
	T3 :To be assessed : Green gram (cv. Virat/IPM 205-7)
No. of Trials	03
Source of Technology	AAU.Anand (2015) NAU.Navsari(2018) IIPR,Kanpur (2016)
Critical Inputs to be used and its cost in Rs.	Seed of cv.GAM-5 cv.GM-6 cv. Virat/IPM 205-7 Cost 5000
Observations be recorded	Yield of Variety No. of seed per pods Wilt incidence percentage (%) Maturity days No. of branch per plant

1. Technical Observation:

Technology Option	No. of Seed per pods	Maturity days	Yield (qt/ha)	Net Return (Rs./ha)	B:C Ratio
T_1 : Farmers practices Green gram (cv.GAM-5)	5-6	75-80	11.0	41800	2.58
T_2 : To be assessed : Green gram (cv.GM-6)	6-7	75-82	12.0	48000	2.81
T_3 :To be assessed :Green gram (cv. Virat/IPM 205-7)	5-6	70-75	8.0	23200	1.87

OFT-2 Assessment of performance of different varieties of Pigeon pea under un irrigated/ rainfed condition (Kharif-2021)

Title of OFT	Assessment of performance of different varieties of Pigeon pea under un irrigated/ rainfed condition
Problem Identified	Low productivity of Pigeon pea due to Wilt & nonuse of improved varieties.
Objectives	To find out suitable variety
Micro-farming Situation	Irrigated, Medium black Soil, Rainfall 800-1000 mm
Treatments	Farmers Practice (T1) (cv.AGT 2)
	Assessed Practice (T2) (cv.GT 104)
	Assessed Practice (T3) (cv.GJP 1)
No. of Trials	03
Source of Technology	(T1) AAU, Anand (2011) (T2) NAU.Navsari (2018) (T3) JAU, Judagadh (2015)
Critical Inputs to be used and its cost in Rs.	Seed of cv.GT104 ,cv. GJP 1 (2kg) Cost Rs. 2000/-
Observations be recorded	Yield of Variety No. of seed per pods Wilt incidence percentage (%) Maturity days No. of branch per plant

1. Technical Observation:

Technology Option	No. of Seed per pods	Maturity days	Yield (qt/ha)	Increase in Yield (%)	Net Return (Rs./ha)	B:C Ratio
T1 -cv.AGT-2	4-5	150-170	14.00	-	47800	2.32
T2-cv.GT-104	5-6	150-165	16.00	14	59800	2.65
T3-cv.GJP-1	4-5	150-160	17.00	21	65800	2.81

OFT-3 Assessment of Variety in Okra (Summer-2022)

Title	:	Assessment of Variety in Okra
Problem diagnose/defined	:	• Low yield • Use of YVM susceptible varieties. • Poor Knowledge of improved cultivation practices • Improper use of fertilizer and pesticides.
Details of technologies selected for assessment /refinement	:	Treatments T_1: Guj. Junagadh Okra Hybrid 4 T_2: Kashi Kranti T3: Arka Nikitha
Source of technology	:	JAU(2014-15), IIVR (2015 and 2011), IIHR (2017)
Production system & Thematic Area	:	Irrigated/ Sole vegetable
Thematic area	:	ICM
No. of Trials	:	03
Plot size and total area (ha)	:	1.20 ha (0.40 x3)
Spacing	:	45 x 20 cm
Performance indicator Indicator - I Indicator - II Indicator - III	: : :	Technical Observation:- • No. of Plant infected due to YVM at 30, 45, 60 DAP • Plant Population • Suitability of variety for area specific cultivation. Economic Indicator:- • Yield of variety • Benefit cost ratio Farmer Reflection:- • Fruit quality as per market demand. • Keeping quality of fruits.

Performance of technologies assessed:

Techno. Assessed	**Source of Techno.**	**Production (Qt./ha)**	**Gross Return (Rs/Unit)**	**Cost of Cultivation**	**Net Return**	**BC Ratio**
T1. GAO 5	AAU	202	114750	47810	71940	2.40
T2. Kashi Kranti	IIVR 2011	209	148500	56430	87070	2.63
T3. Arka Nikitha	IIHR 2017	160	216000	76450	124010	2.82

OFT-4 Assessment of Varieties of Chilli (Khrif-2022)

Problem diagnose/defined	:	Low yield Poor Knowledge of improved cultivation practices Improper use of fertilizer and pesticides
Details of technologies selected for assessment /refinement	:	Treatments T_1 : Farmer Practice T_2: Arka Haritha T_3: Kashi Gaurav
Source of technology	:	IIHR (2012), IIVR (2012)
Production system	:	Irrigated/ Sole vegetable
Thematic area	:	ICM
No. of Trials	:	03
Plot size and total area (ha)	:	1.20 ha

Performance of technologies assessed:

Techno. Assessed	Source of Techno.	Production (Qt./ha)	Gross Return(Rs)	Net Return(Rs)	BC Ratio	Cost of Cultivation
T1. Farmer Practice(Private hybrids)		202	505000	279760	2.24	225240
T2. Arka Haritha	IIHR	209	522500	301900	2.36	220600
T3. kashi Gaurav	IIVR	---	---		---	---

OFT-5 : Assessment of technologies for the management of pink boll worm in Cotton

Problem Diagnosed	Higher infestation of pink boll worm
Technology Assessed	T_1 : Farmers practices (Conventional insecticides and recent chemicals are used as tank mixture with higher dose) T_2 : To be assessed : Five spray of *Beauveria Bassiana* 80 gm/ 10 ltr of water at 5% half opening of flowers and remaining four spray after 10 Days interval of first application T_3 : To be assessed : 1000 drops of savaj MDP pest at place of between two twigs at flowering initiation stage and remaining two treatment after 30 days interval of first application
Source of technology	JAU, Junagadh
Year of technology	2018
Thematic area	IPM
No. of Trials	03
Total area (ha)	1.20
Technical Observation	The plot will be divided into 15 equal blocks. From each quadrate, 5 plants will be selected randomly. 3 bolls (top,middle and lower) of each plant will be observed
Economic Indicator	Yield of Crop, Cost of Cultivation, Benefit Cost Ratio.

Performance of technologies assessed:

Techno. Assessed	Production (q/ha)	Cost of Cultivation(Rs/ha)	Gross Return (Rs/ha)	Net Profit (Rs/ha)	BC Ratio
T1 (Farmers Practices)	20.0	40400	180000	139600	4.4
T2 (To be assessed)	20.7	38620	186300	147680	4.8
T3 (To be assessed)	21.5	38150	193500	155350	5.0

OFT-6 Assessment of pest and disease resistant varieties in Tomato

Problem Diagnosed	Yield loss due to high infestation of TLCV,BW and EB
Technology Assessed	T_1 : Farmers practices (Hybrids from private sectors) T_2 : To be assessed : Arka Samrat T_3: To be assessed : Arka Apeksha
Source of technology	ICAR-IIHR, Bengaluru
Year of technology	2016
Thematic area	IPM
No. of Trials	03
Total area (ha)	1.20
Technical Observation	➢ The plot will be divided into 15 equal blocks. From each quadrate, 5 plants will be selected randomly. ➢ 5 plant will be observed critically to record Tomato Leaf curl Virus, Bacterial wilt and Early Blight. ➢ No. of infected plant due to pest and disease at 30,60,90 DATP
Economic Indicator	➢ Yield of Crop, Cost of Cultivation, Benefit Cost Ratio

Performance of technologies assessed:

Techno. Assessed	Production (q/ha)	Cost of Cultivation(Rs/ha)	Gross Return (Rs/ha)	Net Profit (Rs/ha)	BC Ratio
T1 (Farmers Practices)	370	438400	925000	506600	2.10
T2 (To be assessed) Arka Samrat	424	482560	1060000	577440	2.20
T3 (To be Assessed) Akra Apeksha	406	464750	1015000	550250	2.18

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 2022 and recommended for large scale adoption in the district

Sr. 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	Paddy	Varietal evaluation	New variety Paddy cv.GAR-13 & GAR-14	FLD, Exposure visit of demo field, Organized Field day, through training programme	45	720	1070
2	Greengram	Varietal evaluation	New variety greengram cv. GAM-5	FLD, Exposure visit of demo field, Organized Field day, through training programme, Providing the seed of the variety.	28	418	280
3	Pigeon pea	ICM	New variety Pigeon pea cv.AGT-2	FLD, Exposure visit of demo field, Organized Field day, through training programme, Providing the seed of the variety.	28	410	880
4	Blackgram	ICM	New variety Blackgramcv.PU-31	FLD, Exposure visit of demo field, Organized Field day, through training programme, Providing the seed of the variety.	10	75	50
5	Sesame	ICM	New variety Blackgramcv.GT-5	FLD, Exposure visit of demo field, Organized Field day, through training programme, Providing the seed of the variety.	2	25	24
6	Soybean	ICM	New variety Soybeancv.NRC-37/JS-20-34	FLD, Exposure visit of demo field, Organized Field day, through training programme, Providing the seed of the variety.	12	125	80
7	Chilli	Varietal evaluation	New variety Chilii cv.Arka Meghna	FLD, Exposure visit of demo field, Organized Field day, through training programme	10	75	48
8	Tomato	Varietal evaluation	New variety Tomato cv Arka Rakshak	FLD, Exposure visit of demo field, Organized Field day, through training programme	17	159	56
9	Fodder Crop	Fodder Production	Sorghum Cofs-29	FLD, Exposure visit of demo field, Organized Field day, through training programme	30	145	50
10	Feed management	Feed management	Mineral Mixture	FLD, Exposure visit of demo field, Organized Field day, through training programme	10	150	50
11	Feed management	Feed management	Bypass fat	FLD, Exposure visit of demo field, Organized Field day, through training programme	10	50	50
12	Nutritional gardening	Recommended Seeds	monthly Savings	FLD, Exposure visit of demo field, Organized Field day, through training programme	10	113	10
13	Banana + Cabbage	Intercropping	Intercropping in bananna and Cabbage	FLD, Exposure visit of demo field, Organized Field day, through training programme	4	50	10

B. Details of FLDs implemented during 2022 **(Kharif 2022, Rabi 2021-22, Summer 2022)** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

1. FLD Cereals

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	Paddy	ICM	Varietal (GAR-14)	Kharif-2022	8	8	11	9	20	-

Details of farming situation

Crop	Season	Farming situation (RF/Irr	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif-22	Irrigated	Medium Black	L	M	H	Maize	10/06/2022	10/11/2022	1038	48

Technical Feedback on the demonstrated technologies

S. No	**Feed Back**
1.Paddy	Pest and Disease infestation is less as compare to Local variety (GR-11).

Farmers' reactions on specific technologies

S. No	**Feed Back**
1.Paddy	Cooking quality is good and Lodging resistance variety.

Extension and Training activities under FLD

Sl.No.	**Activity**	**No. of activities organised**	**Date**	**Number of participants**	**Remarks**
1.Paddy	Field days	2	20/10/2022 03/11/2022	23 24	
2	Farmers Training	1	08/06/2022	12	
3	Media coverage	1	07/11/2022	5000	

2. CFLD Oilseeds

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	Sesame	Varietal Intro	ICM	Summer-22	10	10	20	5	25	-
2	Soybean	Varietal Intro	ICM	Kharif-22	20	20	25	25	50	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Sesame	Summer-22	Irrigated	Sandy Loam	L	M	H	paddy	24/02/2022	20/05/2022	-	-
Soybean	Kharif-22	RF	Sandy Loam	L	M	H	Maize	18/06/2022	07/10/2022	1038	48

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1 Sesame	Gujarat Til-5 Improved and Bold seeded variety of Sesame
2 Soybean	Seed shattering problem is less in this variety

Farmers' reactions on specific technologies

S. No	Feed Back
1 Sesame	Farmers are interested in Sesame crop because of the short duration and it is giving high profit due to the good market price as well as there is less expenses on pesticides and fertilizers
2 Soybean	JS 20-34 variety gives stable performance in water logged as well as dry condition

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1 Sesame	Field days	-	-	-	-
2	Farmers Training	1	17/02/2022	25	
1 Soybean	Field days	1	23/09/2022	35	-
2	Farmers Training	1	15/07/2022	04	

3. CFLD Pulses

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	Green gram	ICM	Varietal,	Summer-22	10	10	25	0	25	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Green gram	Summer-22	Irrigated	Medium black	L	M	H	Cotton	01/03/2022	25/05/2022	0	0

Technical Feedback on the demonstrated technologies

S. No	**Feed Back**
Green gram	INM increase growth of plant and size of seed.

Farmers' reactions on specific technologies

S. No	**Feed Back**
Green gram	YVM resistance variety. Bold seed size resulted in higher Market rate.

Extension and Training activities under FLD

Sl.No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1.Greengram	Field days	0			
2	Farmers Training	2	11/02/2022 12/02/2023	26 24	

3. FLD Other 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	Cotton IPM	IPM	IPM	Kharif-2022	8	8	05	15	20	
1	Cotton IPM	IPM	IPM	Kharif-2022	8	8	05	15	20	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Cotton IPM	Kharif -22	RF	Medium black	L	M	H	Mungbean	20/06/2022	02/02/2023	1038	48
Cotton IPM	Kharif -22	RF	Medium black	L	M	H	Mungbean	15/06/2022	05/02/2023	1038	48

Technical Feedback on the demonstrated technologies

S. No	Feed Back
2 Cotton IPM	Use of Pheromone trap reduced no. of chemical pesticides sprays, which has minimized the cost of cultivation . It is safer for beneficial insects like beetles

Farmers' reactions on specific technologies

S. No	Feed Back
2 Cotton IPM	Pheromone traps and low doses of pesticides has minimized the infestation of pink boll worm and good quality cotton was harvested

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1 Cotton IPM	Field days	1	30/12/2022	28	
	Farmers Training	1	26/08/2022	20	
		1	16/11/2022	04	

3. FLD Horticulture 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	Tomato	Varietal Intro	Arka Rakshak	Kharif-22	5	5	16	0	16	-
2	Marigold	Varietal Intro	Pusa bahar	Rabi-22	2	2	-	5	5	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Tomato	Kharif-22	Irrigated	Sandy loam	L	M	H	Fallow	07/08/22	17-2—23	1038	48
Marigold	Rabi-22	Irrigated	Sandy loam	L	M	H	Fallow	15-8-23	25-2-23	1038	48

Technical Feedback on the demonstrated technologies

S. No	**Feed Back**
1 Tomato	Growth is affected in water logging condition.
2 Marigold	Variety is suitable for local area

Farmers' reactions on specific technologies

S. No	**Feed Back**
1 Tomato	Good firmness of fruit and good keeping quantity Fruit weight is more as compare to local hybrid
2 Marigold	Production is good and less incidence of sucking pest

Extension and Training activities under FLD

Sl.No.	Activity--Tomato	No. of activities organized	Date	Number of participants	Remarks
1	Field days				
2	Farmers Training	-			
3	Media coverage	01	7/08/2022	16	
4	Training for extension functionaries	01	04/11/22	27	
Sl.No.	**Activity- Merigold**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks**
1	Field days	01	13/02/23	22	
2	Farmers Training	01	07/08/22	16	
4	Training for extension functionaries	01	04/11/22	27	

7. FLD – Other Enterprise
Details of Implementation

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Nos.		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Vermi Compost	Organic Farming	Vermibed	*Kharif-22*	20	20	0	20	20	--
2	Kitchen gardening	Nutritional Mang.	Kitchen gardening	*Kharif/Rabi-22*	100	100	0	100	100	--

Technical Feedback on the demonstrated technologies

S. No	Feed Back
Vermi Compost	• It improves soil texture & help in increasing the soil carbon.
Kitchen gardening	• Kitchen Garden helps in reducing the problems of mal nutrition by growing varieties of vegetables throughout year.

Farmers' reactions on specific technologies

S. No	Feed Back
Vermi Compost	• By adopting vermi compost proper utilizations of farm waste and help in reducing the cost of cultivation of fertilizers.
Kitchen gardening	• Farm women get variety of vegetables throughout year and save the cost of vegetables.

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										
Sesame FLD	ICM	ICM	GT-5	25	10	6.2	5.1	5.62	5.02	12.54	23800	52262	28462	2.19	25850	46435	20585	1.79
Seasme CFLD	ICM	ICM	GT-5	25	10	6.2	5.1	5.50	5.02	9.56	24250	50850	26625	2.09	26300	46435	20135	1.76
CFLD Soybean	ICM	ICM	NRC-37	50	20	18.1	15.2	16.9	15.	12.67	22400	92950	70550	4.1	25150	82500	57350	3.3

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										
Blackgram	ICM	Varietal	GU-3	25	10	6.5	5.5	5.8	5.0	6.0	19670	41760	22090	2.12	19800	39800	19800	2.0
Greengram	ICM	Varietal	GM-6	25	5	12	8	11	8	43	24600	71300	46700	2.89	24250	49600	25350	2.04
CFLD Greengram	ICM	Varietal	GM-5	25	10	14	8.8	11	7.8	41	27200	66200	41000	2.5	26400	48360	21960	1.83
CFLD Pigonpea	Varietal	Varietal	GJP-1	25	10	18	13	15	12.5	20.00	40800	114000	73200	2.79	38600	95000	58900	2.46

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																			
Paddy	ICM	Varietly+INM+IPMIWM	25	10	16	12	14	12	16			36200	87000	50800	2.40	35800	75000	39200	2.09
Vegetables																			
Tomato	Varietal	Varietal Arka Rakshak	16	5	442	426	435	401	8.47			96810	228375	131566	2.35	9155	210525	119370	2.30
Flower crops																			
Marigold	Varietal	Pusa Bahar	5	2	107	95	101	97	4.12			1842280	454500	270220	2.46	181335	436500	255165	2.40
Other																			
Cotton	IPM	Sucking pest in Cotton	15	6	22.8	20.2	21.7	20.0	8.5			37840	168175	130335	4.4	42434	155500	112566	3.6
Cotton	IPM	Pink boll worm in Cotton	15	6	22.4	20.0	21.9	20.0	9.5			37800	169725	131925	4.5	41850	155500	131350	3.7
Maize	IPM	IPM	20	8	69.2	62.3	67.9	60.5	12.23			35340	139195	103855	3.9	39350	124025	84775	3.1
Caster	Varietal	Varietal (GCH-8)	20	8	28.6	21.5	24.02	22.5	6.75			34500	136914	102414	3.96	33750	128250	94500	3.8

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	1	26	0	26	0	0	0	26	0	26
Cropping Systems	4	44	0	44	54	0	54	98	0	98
Integrated Crop Management	1	25	0	25	2	0	2	27	0	27
Integrated nutrient management	1	20	0	20	0	0	0	20	0	20
Production of organic inputs	2	18	2	20	2	23	25	20	25	45
Others (pl. specify)	1	39	2	41	0	0	0	39	2	41
Total	**10**	**172**	**4**	**176**	**58**	**23**	**81**	**230**	**27**	**257**
II Horticulture				0			0	0	0	0
a) Vegetable Crops				0			0	0	0	0
Nursery raising	1	14	0	14	6	0	6	20	0	20
Grading and standardization	1	0	4	4	0	28	28	0	32	32
Others (pl specify)	3	53	0	53	11	0	11	64	0	64
Total (a)	**5**	**67**	**4**	**71**	**17**	**28**	**45**	**84**	**32**	**116**
IV Livestock Production and Management				0			0	0	0	0
Dairy Management	1	0	10	10	0	11	11	0	21	21
Animal Nutrition Management	1	31	0	31	4	0	4	35	0	35
Feed & fodder technology	2	11	16	27	9	0	9	20	16	36
Others (pl specify)	3	48	40	88	13	9	22	61	49	110
Total	**7**	**90**	**66**	**156**	**26**	**20**	**46**	**116**	**86**	**202**
VII Plant Protection				0			0	0	0	0
Integrated Pest Management	4	77	0	77	8	0	8	85	0	85
Others (pl specify)	6	0	2	2	122	22	144	122	24	146
Total	**10**	**77**	**2**	**79**	**130**	**22**	**152**	**207**	**24**	**231**
X CapacityBuilding and Group Dynamics				0			0	0	0	0
Entrepreneurial development of farmers/youths	1	0	0	0	2	26	28	2	26	28
Others (pl specify)										
Total	1	0	0	0	2	26	28	2	26	28
GRAND TOTAL	33	406	76	482	233	119	352	639	195	834

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										
Seed production	2	53	0	53	0	0	0	53	0	53
Integrated Crop Management	4	36	11	47	45	0	45	81	11	92
Integrated nutrient management	1	30	0	30	0	0	0	30	0	30
Production of organic inputs	2	0	26	26	0	23	23	0	49	49
Total	**9**	**119**	**37**	**156**	**45**	**23**	**68**	**164**	**60**	**224**

II Horticulture				0			0	0	0	0
a) Vegetable Crops				0			0	0	0	0
Nursery raising	3	49	0	49	16	0	16	65	0	65
Others (pl specify)	4	30	24	54	32	12	44	62	36	98
Total (a)	**7**	**79**	**24**	**103**	**48**	**12**	**60**	**127**	**36**	**163**
IV Livestock Production and Management				0			0	0	0	0
Dairy Management	2	0	31	31	16	4	20	16	35	51
Poultry Management	1	0	0	0	22	0	22	22	0	22
Animal Nutrition Management	4	40	34	74	29	0	29	69	34	103
Disease Management	2	0	51	51	0	0	0	0	51	51
Feed & fodder technology	1	16	4	20			0	16	4	20
Others (pl specify)	1	12	31	43	2	1	3	14	32	46
Total	**11**	**68**	**151**	**219**	**69**	**5**	**74**	**137**	**156**	**293**
VII Plant Protection				0			0	0	0	0
Integrated Pest Management	2	15	0	15	17	1	18	32	1	33
Integrated Disease Management	2	28	18	46	1	4	5	29	22	51
Others (pl specify)	5	0	6	6	70	67	137	70	73	143
Total	**9**	**43**	**24**	**67**	**88**	**72**	**160**	**131**	**96**	**227**
X CapacityBuilding and Group Dynamics				0			0	0	0	0
Leadership development	6	63	34	97	93	20	113	156	54	210
Others (pl specify)	5	40	35	75	41	5	46	81	40	121
Total	**11**	**103**	**69**	**172**	**134**	**25**	**159**	**237**	**94**	**331**
GRAND TOTAL	**47**	**412**	**305**	**717**	**384**	**137**	**521**	**796**	**442**	**1238**

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	1	26	0	26	0	0	0	26	0	26
Cropping Systems	4	44	0	44	54	0	54	98	0	98
Seed production	2	53	0	53	0	0	0	53	0	53
Integrated Crop Management	5	61	11	72	47	0	47	108	11	119
Integrated nutrient management	2	50	0	50	0	0	0	50	0	50
Production of organic inputs	4	18	28	46	2	46	48	20	74	94
Others (pl. specify)	1	39	2	41	0	0	0	39	2	41
Total	**19**	**291**	**41**	**332**	**103**	**46**	**149**	**394**	**87**	**481**
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
Nursery raising	4	63	0	63	22	0	22	85	0	85
Grading and standardization	1	0	4	4	0	28	28	0	32	32
Others (pl specify)	7	83	24	107	43	12	55	126	36	162
Total (a)	**12**	**146**	**28**	**174**	**65**	**40**	**105**	**211**	**68**	**279**
IV Livestock Production and Management	0	0	0	0	0	0	0	0	0	0
Dairy Management	3	0	41	41	16	15	31	16	56	72
Poultry Management	1	0	0	0	22	0	22	22	0	22
Animal Nutrition Management	5	71	34	105	33	0	33	104	34	138

Disease Management	2	0	51	51	0	0	0	0	51	51
Feed & fodder technology	3	27	20	47	9	0	9	36	20	56
Others (pl specify)	4	60	71	131	15	10	25	75	81	156
Total	18	158	217	375	95	25	120	253	242	495
VII Plant Protection	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	6	92	0	92	25	1	26	117	1	118
Integrated Disease Management	2	28	18	46	1	4	5	29	22	51
Others (pl specify)	11	0	8	8	192	89	281	192	97	289
Total	19	120	26	146	218	94	312	338	120	458
X CapacityBuilding and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Leadership development	6	63	34	97	93	20	113	156	54	210
Group dynamics	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	1	0	0	0	2	26	28	2	26	28
Others (pl specify)	6	61	40	101	41	5	46	102	45	147
Total	13	124	74	198	136	51	187	260	125	385
GRAND TOTAL	80	818	381	1199	617	256	873	1435	637	2072

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
Bee-keeping	02	50	0	50	0	0	0	50	0	50
TOTAL	02	50	0	50	0	0	0	50	0	50

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	1	21	5	26	0	0	0	21	5	26
TOTAL	1	21	5	26	0	0	0	21	5	26

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
Livestock and fisheries										
Animal Nutrition Management	**1**	**0**	**51**	**51**	**0**	**0**	**0**	**0**	**51**	**51**
Others (pl. specify)NF	**1**	**39**	**2**	**41**	**0**	**0**	**0**	**39**	**2**	**41**
GRAND TOTAL	**2**	**39**	**53**	**92**	**0**	**0**	**0**	**39**	**53**	**92**

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (Other than KMAS)	13	56770	0	56770
Field Day	19	460	15	475
Group discussions	49	501	23	524
Kisan Ghosthi	4	149	2	151
Film Show	46	1216	13	1229
Kisan Mela	01	363	15	378

Exhibition	01	363	15	378
Scientists' visit to farmers field	50	182	0	182
Soil health camps	1	43	0	43
Farmers' seminar/workshop	10	1347	15	1362
Method Demonstrations	7	137	0	137
Celebration of important days	32	825	22	847
Special day celebration	1	174	0	174
Others (pl.specify)	0	0	0	0
Lecture Delivered	46	2842	34	2876
Farmers Visit to KVK	1	1216	0	1216
JalShakti Abhiyan	22	349	6	355
Total	**303**	**66937**	**160**	**67097**

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

Details of other extension programmes:

Particulars	Number
Extension Literature	03
Newspaper coverage	18
Popular articles	2
Social Media (No. of platforms Used)	5
Telephonic Helpline	59
Soil/ Water Sample	149
Total	**236**

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
Cereals	Paddy	GAR-13	-	50.93	161610	60
	Paddy	GAR-13	-	75.60		In Storage
			-			
Oilseeds	Soybean	NRC-37	-	11.25	95625	14
	Soybean	NRC-37	-	16.0		In Storage
			-			
Pulses	Greengram	GAM-5	-	6	90000	35
	Pigonpea	Vaishali	-	26.94	269400	66
Total			-	**186.72**		

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
Vegetable seedlings	Brinjal, Tomato, Cabbage, Caluliflower Chili		F1Hyb	187582	187582	203
Flower	Merigold	Pusa Bahar		7070	7070	06
Fruits	Lime	K-Lime		366	3660	159
	Drumstick	PKM-1		346	3460	153
Total				**195364**	**2011772**	**521**

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

A. KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):

B. Literature developed/published

Item	Title	Authors name	Number
Technical reports	AGRESCO Meeting Reports ,ZREAC, APR,AAP	-	04
News letters	Half Yearly News letter	KVK-Vadodara	02
Popular articles	Khetima havaman agahi ni agtayta ane thenathi kheduto ne thase faydo	Dr.B.M.Mehta Kyur Patel	01
TOTAL			**07**

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)	**02**	Vadodara KVK	116
2	Facebook page/ Account (no of Post)	**13**	Kvk Mangalbharti Vadodara	1010
4	WhatsApp groups	**96**	**Farmers Group**	**7678**
5	Twitter Account	**01**	Krishi Vigyan Kendra - Vadodara @kvkvdr	**188**
6	Any other (Pl. Specify)			

6. LINKAGES

A. Functional linkage with different organizations

Name of organization	Nature of linkage
Anand Agricultural University, Anand	Technical Support
Model farm, Anand Agricultural University, Vadodara	Technical Support
State Department of Agriculture, and Dept. of Agriculture, District Panchayat, Vadodara / Chhotaudepur	Technical / Financial Support
State Dept. of Horticulture, Vadodara/ Chhotaudepur	Technical / Financial Support
National Horticulture Mission, Vadodara / Chhotaudepur	Technical / Financial Support
Dept. of Animal Husbandry, Vadodara / Chhotaudepur	Technical / Financial Support
ATMA Project, Vadodara / Chhotaudepur	Technical / Financial Support
Central ware housing Corporation	Technical Support
APMC Vadodara / Chhotaudepur	Technical / Financial Support

District Watershed Development Unit, Vadodara / Chhotaudepur	Technical Support
Main Research Station (Cotton), Surat, Navsari Agricultural University	Technical Support
National Bank for Agriculture and Rural Development (NABARD),Vadodara/Chhotaudepur	Technical Support
LEAD Bank Bank Of Baroda/State Bank of India	Technical Support
GGRC	Technical Support
GSFC	Technical Support
Baroda Swarojgar Vikas Sansthan, Vadodara / Chhotaudepur	Technical Support
PrakurtiFoundation ,Zalod	Technical Support

C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

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	No of Farmers attending
01	Meetings	AGB Meeting, Convergence meeting FSI Meeting DFAC Meeting	04	04	-
02	Training programmes	Sponsor Training	01	01	41
03	Kisanmela	Kisanmela	01	01	362
04	Exhibition	Exhibition	01	01	362
05	Extension Programmes	Lecture Delivered	10	-	76
06	Award Verification	Field Visit for Award Verification	07	-	66

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

S. No	Feed Back
Black gram (cv.PU-31)	YVM infestation not found in this variety and Mature earlier as compare to Local variety
Black gram (cv.PU-40)	YVM infestation very less in this variety
Cotton (cv.GAWMH-2) Cotton (cv.Narmdamoti)	• Due to short duration of variety cv. GAWMH-2 & Narmada Moti is benefitted to cotton crop.. • It is highly suitable of domestic (food)/ rotala) purpose
Ovsynch Protocol in buffalo	Reduce inter calving and dry period ,increase milk production
Backyard Poultry (breed)	Fast growth rate and higher egg production as compared to local native.
Okra (cv.GAO-5)	• Fruits are long and tender with dark green colour help in getting more market price • Very less infestation of YVM
Tomato (cv.AT-3) Tomato (cv.GAT-5)	• GAT-5 gives higher yield then AT-3 • Infestation of TLMV is higher in AT-3 var. as compare to GAT-5 • It is required to work for minimizing fruit cracking while transportation.
Cotton (IPM)	Use of Pheromone trap and bio-pesticides reduced no. of chemical pesticides sprays, which has minimized cultivation cost. It is safer for beneficial insects like beetles.

Brinjal (IPM)	The adoption of IPMstrategies decreased the No. of chemical pesticides spray and cost of production without affecting the yield.
Maize (IPM)	• Farmers convinced to use bio-pesticides and chemical pesticides for management of pests in maize • By using bio and chemical pesticides in proper sequence, expense on pesticides can be reduced.
Wheat (cv.GW-451)	• Farmers were convinced to adopt new verity of Wheat (GW-451) • Production of GW-451 higher than GW-496
Cotton (INM)	INM increase the yield and quality of cotton. Reduce the cost of Cultivation
Chilli (IWM)	Less labour costing and good initiat growth. Lower infection of sucking pests.
Sorghum (cv.COFS-29)	This Variety gave higher green fodder yield as compare to local variety Green fodder availability throughout the year
Supplementary feeding of Mineral mixture in Buffalo	Farmers were convinced to adopt supplementary feeding of Mineral mixture Increase the Milk production
Feeding of Bypass protein in Cow	Farmers were convinced to adopt supplementary feeding of Bypass protein Increase the Milk production
Cotton Picking Bags	• Farm women convinced to use Cotton picking bags because of saving time, and physical energy. • Use of Cotton picking bags also increases the working efficiency.
Kitchen gardening	Farm women are ready to adopt kitchen garden because of variety of vegetables available for their food. Farm women save the expenses as against vegetables purchases.
Soybean cv.JS-20-29	Seed shattering problem is less in this variety. Variety gives stable performance in water logged and dry condition
Pigeon pea cv.AGT-2	Wilt problem is less as compare to Vaishali variety and INM also increase the growth and yield of plant.
Green gram cv.GAM-5	YVM resistance variety and Market rate more due to bold seed size.

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

S. No	Feed Back
Soybean cv.NRC-37	• It is needed to work more on develop of pest resistance/tolerance for the variety.
Black gram cv.PU-31	Better weed management found due to adoption IWM and Plant growth found better due to adoption INM and found resistance against YVM virus
Pigeon pea cv.AGT-2	Less sterility mosaic as compare to BDN-2 variety.
Green gram cv.GAM-5	INM increase growth of plant and size of seed and found resistance against YVM virus
Cotton (IPM)	• Pheromone traps, bio-pesticides has minimized the infestation of pink boll worm and good quality cotton was harvested • There is need to develop pink boll worm pest resistant varieties of cotton.
Maize (IPM)	• Use of Carbofuran for stem borer management(During 30-45 DAS) in maize has given good results • By using bio and chemical pesticides in proper sequence, expenses on pesticides can be reduced.
Wheat (cv.GW-451)	• In GW-451 variety more tillers(19-28)/ plants found as compare to local check(GW496)(19-25)
Cotton (INM)	Due to seed treatment of NPK consortium germination found better.
Chilli	• Weed competition is less during 2 months after translating, • Good plant growth due to less weeds.

	• Less no. of weeds/ units area (sq.mt)
Sorghum(F) cv. COFS-29	Needs seeds availability of improved variety. Suitable for assured irrigated area.
Supplementary feeding of Mineral mixture in Buffalo	Milk yield and fat percentage has increased and get more market price.
Feeding of Bypass protein in Cow	Supplementary feeding for dairy animals to increase milk and fat percentage
Kitchen gardening	Kitchen garden fulfill the requirement of **Carbohydrates**, **Vitamins**& Minerals to human diet By Kitchen garden green vegetable available round the year.

11. Technology Week celebration during 2022: No,

14. Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
Jan 2022	09	7876	
Feb 2022	09	7876	
March 2022	09	7876	
April 2022	09	7876	
May 2022	09	7876	
Jun 2022	09	7876	
Jul 2022	09	7876	
Aug 2022	09	7876	
Sept 2022	09	7876	
Oct 2022	09	7876	
Nov. 2022	09	7876	
Dec. 2022	09	7876	

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Vadodara	Text only	02	0	96	0	0	0	98
	Total Messages	**02**	**0**	**96**	0	0	0	**98**
	Total farmers Benefitted	**56770**	**0**	**7876**	0	0	0	**64646**

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	
1	Vermicompost Unit	2016-17	0.05	-	Compost	-	2000	3000	
2	Goatry Unit	2016-17	0.05	Surti	Breed	17	31750	115000	
3	Poultry Unit	2016-17	0.05	Ankelshwar/ Kadaknath	Eggs Birds	103	19847	32030	
4	Vegetable & Nursery Unit	2010-11	0.20	F1Hyb	Seedling	279498	223578	313021	

B. 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. (qtl)	Cost of inputs	Gross income	
Cereals									
Paddy	27-7-22	18-11-22	1.80	GAR-13	Seed	75.60	-	-	75.60 qtl in storage
Pulses									
Greengarm	24-2-22	7-6-22	2.00	GAM-5	Seed	6.03	60263	90450	
Pigonpea	11-11-21	19-4-22	2.36	Vaishali (BSMR-853)	Seed	23.13	61438	130920	
Pigonpea	13-10-20	11-3-21	1.92	Vaishali (BSMR-853)	Grain	26.94	71536	269400	
Oilseeds									
Soyaben	5-7-22	7-11-22	2.36	NRC-37	Seed	16.00	-	-	16.00 qtl in storage
Others (specify)									
Eucalyptus	5-8-14	21-1-22	0.20	local	tick		12834	79000	
Eucalyptus	10-7-15	21-1-22	0.20	local	tick				
Sharu	11-8-14	21-1-22	0.10	Local	tick			27200	
Subabul	22-7-15	6-5-21	0.22	Local	Tick	-			

E. Utilization of hostel facilities

Accommodation available (No. of beds):

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Nil			

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
0.02	Vegetable crops	07	2091
	Fruit crops	-	
	Others if any	-	

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	07/15000	100
	Fruit crops		
	Others if any		

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	State Bank of India	Sankheda	3497	Mangalbharti Krishi Vigyan Kendra	10683587608	391002514	SBIN0003497

B. Utilization of KVK funds during the year 2022-23 (Rs. in lakh) (Till Dec, 2022)

Sr.No	Items/ Head	Approved Allocation for the year 2022-23	Grant received (council's share)	Expenditure (up to Dec-22)
A	**Recurring Contingencies Items**			
1	Pay & Allowances	**18300000**		**14971967**
2	Traveling Allowances	**55000**		**45978**
3	Contingencies	**705000**		**512106**
a	Stationery, Telephone, Postage & other expenditure on office running,	330000		141230
b	POL, repair of Vehicles, tractor & equipment's			91709
	(Total a + b)	330000	**16225000**	**232930**
c	Meals/refreshment of trainees	375000		36780
d	Training materials			0
g	Training of extension functionaries			2750
e	Frontline demonstration			194695
f	On farm testing			44951
h	Maintenance of building			0
	(Total c to h)	375000		**279176**
	Total (A)	**19060000**	**16225000**	**15530051**
B	**Non-Recurring Contingencies**			
1	Equipment	0	0	0
2	Works	0	0	0
3	Vehicle	0	0	0
4	Library	0	0	0
	Total (B)	**0**	**0**	0
	Grand total (A+B)	**19060000**	**16225000**	**15530051**

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
2019-20	2142343.38	1317193.00	2146311.47	1315224.91
2020-21	1313224.91	1626811.00	1357013.00	1583022.91
2021-22	1583022.91	3322283.00	2014188.67	2891117.24
2022-23	2891117.24	2697119.00	1372680.00	4215556.24

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
Dr.B.M.Mehta Sr.Sci and Head and All SMS	**Sr.Scienstist and Head & All SMS**	**Training on Natural Farming**	**Taluka Panchyat Chhoaudepur**	**Offline**	**30-6-2022**
Chirag R. Patel	**SMS (Agro)**	**Good Agri. and allied Practices for doubling Farmers income**	**EEI, Anand**	**Offline**	**19-9-22 to** 24-9-22
B.L.Dhayal	**SMS (Ext)**	**Good Agri. and allied Practices for doubling Farmers income**	**EEI, Anand**	**Offline**	5-9-22 to 10-9-22
Chirag R. Patel	**SMS (Agro)**	**Orientation cum Trang Prog. of NF**	**Kurukshetra Hariyana**	**Offline**	8-12-22 to 9-12-22
Chirag R. Patel	**SMS (Agro)**	**National Workshop on NF**	**Gwalior MP**	**Offline**	3-12-22

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

Name of DFI Villages	Farming System	Scenario at benchmark (2017-18)	Scenario at benchmark (2018-19)	Present Scenario (2019-20)	Present Scenario (2020-21)	Per cent Increase
		Annual Income (Rs./ha)	Annual Income (Rs./ha)	Annual Income (Rs./ha)	Annual Income (Rs./ha)	
Sundarpura Taluka: Sankheda	1. Crop + Horti. + Vegetables+ Animal husbandry	76000/-	82000/-	94300/-	137560/-	81.0
	2. Crop + Horti. + Animal husbandry	67500	74800/-	88200/-	118800/-	76.0
Vaniyadri Taluka: Bodeli	1. Crop + Horti. + Vegetables+ Animal husbandry	90000	118200	134750/-	164700/-	83.0
	2.Crops + Horticulture	75000	81300/-	94300/-	128250/-	71.0
	3. Crops + Animal Husbandry	73500	79800/-	94100/-	126420/-	72.0

21. Details of SAP

Sr. No	Name of KVK	Date	*Activity*	No of VIPs	No of Farmers	Others	Total
1	**KVK Vadodara**	**2-10-22 to 31-10-22**	**Special Campaign 2.0 on Swachhcta**	**0**	**409**	**16**	**425**

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	78	1377	627	2004
Extension functionaries	01	21	5	26
Sponsored Training	02	39	53	92
Vocational Training	02	50	0	50
Total	**83**	**1487**	**685**	**2172**

2. Frontline demonstrations

Crops/Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	100	30	-
Pulses	75	25	-
Cereals	20	8	-
Vegetables	21	7	
Total	216	70	
Livestock & Fisheries			
Other enterprises	120	-	120
Total	120	-	120
Grand Total	336	70	120

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	8	8	55
Total	8	8	55
Technology Refined	8	8	55
Grand Total	08	08	55

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	528	67145
Total	528	67145

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Awar e-ness	Other enterpri se	Total
Vadodara	Text only	02	0	96	0	0	0	98
	Total Messages	**02**	**0**	**96**	0	0	0	**98**
	Total farmers Benefitted	**56770**	**0**	**7876**	0	0	0	**64646**

6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (q)	186.72 (Qtl)	616635
Planting material (No.)	195364 (No.)	201772

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (Rs.)
Soil	138	-
Water	9	-
Plant	0	-
Total	**147**	

8. HRD and Publications

Sr. No.	Category	Number
1	Abstract	
2	Workshops	05
3	Conferences	01
4	Meetings	11
5	Trainings for KVK officials	01