REPORT ON 15th SCIENTIFIC ADVISORY COMMITTEE MEETING

TO BE HELD ON

11-01-2023 AT 10:00 A.M.

KRISHI VIGYAN KENDRA

Navsari Agricultural University

Navsari – 396450

SCIENTIFIC ADVISORY COMITTEE
OF KRISHI VIGYAN KENDRA, NAVSARI

Sr. No	Name	Designation	Committee status
1	Dr.Z.P.Patel	Hon. Vice-Chancellor, NAU, Navsari.	Chairperson
2	Dr. N.M.Chauhan	Directorate of Extension Education, N.A.U., Navsari.	Member
3	Dr. Lakhan Singh	Director, ICAR- ATARI, Zone-VIII, College of Agriculture Campus, PUNE - 411005 (Maharastra)	Member
4	Dr. T. R. Ahalavat	Directorate of Research, N.A.U., Navsari.	Member
5	Dr. V.R.Naik	Assistant Director Research NAU, Navsari	Member
6	Dr. P.K.Shrivastav	Principal, College of forestry, NAU, Navsari	Member
7	Dr. Alka Singh	Principal, ASPEE College, NAU, Navsari	Member
8	Dr. N.B.Patel	Scientist (LRS), NAU, Navsari	Member
9	Dr. R.V. Borichangar	Associate Professor, College of Fisheries Science, NAU, Navsari	Member
10	Dr.Atul Gajera	District Agriculture Officer, Dist. Navsari	Member
11	Mr.B.K. Rai Samant	Assistant General Manager, NABARD, Navsari	Member
12	Dr. Dineshbhai Padaliya	Deputy Director of Horticulture, Dist. Navsari	Member
13	Mr. Uttam Patel	Exe. Eng. (Drainage), Ambika Division, Dist. Navsari	Member
14	Dr. D.B.Thakur	Deputy Director of Animal Husbandry, Dist. Navsari	Member
15	Shri Satish Thimar	PD, ATMA, Navsari	Member
16	Mr. Mohit Sangani	Assistant Director of Fisheries, Dist. Navsari	Member
17	Shri. Hemantbhai Patel	Progressive Farmer, Village- Sadlav, Ta.Navsari	Member
18	Smt.Madhuriben Patel	Progressive Farm Woman, Village- Vasan, Ta.Gandevi	Member
19	Shri Surajbhai D. Savalia	Agri-entrepreneur, Village : Ganesh Sisodra, Dist : Navsari.	Member
20	Shri P. R. Barot	Lead District Manager, Navsari	Member
21	Dr. N.M.Chauhan	Senior Scientist & Head, KVK, Navsari	Member Secretary
22	Shri Praganeshbhai Naik	Progressive Farmer, Village- Mohanpur, Ta-Jalalpore	Member Invitee
23	Shri Belaben Patel	Progressive Farm Woman, Village- Abrama, Ta-Jalalpore	Member Invitee
24	Shri Dharmeshbhai Rakholiya	Convener of LAC & Director BSVS, RSETI-Navsari	Member Invitee
25	Mrs. Rishida Thakor	Tapsiya Nari Charitable Trust, Navsari	Member Invitee

Agenda for 15th Scientific Advisory Meeting of Krishi Vigyan Kendra

Schedule to be held on 11th January 2023 at 10:00 am

Item No.	Agenda
15.1	Review of previous 14th SAC Meeting Minutes.
15.2	Review of KVK activities held during January-2022 to December-2022.
15.3	Presentation on Action Plan of January-2023 to December-2023.
15.4	Presentation of Budget Position.
15.5	Suggestions and discussion to make Krishi Vigyan Kendra, Navsari more effective.
15.6	Any other related matters with the permission of the chairperson.

11.1 Action Taken Report on minutes of 15th SAC meeting to be held on 11/01/2023

Action Taken Report on minutes of 14th SAC meeting held on 25/01/2022		
Sr. No	**Suggestions**	**Action taken**
1. During the 14th Scientific Advisory Committee meeting following suggestions are made by the experts		
14.2.1	To organize training on farm mechanization	• 30 Twin hoe wheel FLD experiments were conducted. • Farm mechanization videos were displayed in every training.
14.2.2	To organize demonstration on crop residue mulching	Crop residue mulching experiment has been taken in KVK demo plot using paddy straw & sugarcane trash.
14.2.3	To organize training on residue management	• Training on NADEP and vermi compost preparation through crop residue . • On campus trainings were conducted on residue management especially in paddy and sugarcane crops.
14.2.4	To organize training for school dropout	School dropout were mainly targeted to train in ARYA, Vocational and Skill trainings (7) provided by KVK, Navsari
14.2.5	More popularize the Novel /Novel sap and other university technologies.	More no of FLD's and popularize the novel sap and other university technologies.

મુદ્દા નં.૧	બેઠક દરમ્યાન સભ્યશ્રીઓ દ્વારા નીચે મુજબનાં સૂચનો કરાયા.	
મુદા નં ૧૪.૨.૧	કૃષિ યાંત્રિકરણ માટેની તાલીમો ગોઠવવી.	• ટવીન વ્હીલ હોનાં ૩૦ અગ્રીમ હરોળ નિદર્શનો આપવામાં આવેલ છે. • દરેક તાલીમ વર્ગોમાં નિયમિત કૃષિ યાંત્રિકીનાં વીડિયો બતાવવામાં આવે છે.
મુદા નં ૧૪.૨.૨	પાક અવશેષોનાં આચ્છાદાન પર નિદર્શનો ગોઠવવા.	• કૃષિ વિજ્ઞાન કેન્દ્રના ફાર્મ ખાતે ડાંગર અને શેરડીની પરાળ દ્વારા પાક અવશેષોનાં આચ્છાદાનનું નિદર્શન કરાયેલ છે.
મુદા નં . ૧૪.૨.૩	પાક અવશેષોનાં વ્યવસ્થાપન માટેની તાલીમો યોજવી.	• પાક અવશેષોનાં વ્યવસ્થાપન માટે નાડેપ પધ્ધતિના અને વર્મીબેડનાં નિદર્શન દ્વારા માટેની તાલીમ આપવામાં આવેલ છે. • ડાંગર અને શેરડી પરાળનાં ઉપયોગ દ્વારા પાક અવશેષોનાં આવરણ માટે કેન્દ્રિય તાલીમ આપેલ છે.
મુદા નં ૧૪.૨.૪	શાળા છોડેલ કિશોર–કિશોરીઓ માટે તાલીમો ગોઠવવી.	• "આર્યા" પ્રોજેકટ તથા વ્યાવસાયિક અને કૌશલ્યવર્ધન તાલીમ હેઠળ સ્કૂલ ડ્રોપ આઉટ ગ્રામ્ય કિશોર–કિશોરીઓને આવરી લઈ તેઓને કેન્દ્ર દ્વારા તાલીમ(૭) આપવામાં આવેલ છે.
મુદા નં ૧૪.૨.૫	નોવેલ/નોવેલ સેપ અને અન્ય યુનિવર્સિટી તાંત્રિકીઓનો વધુ પ્રસાર કરવો.	• એડોપ્ટીવ ટ્રાયલ (પ્લાન યોજના) અને કૃષિ વિજ્ઞાન કેન્દ્ર યોજના હેઠળ નોવેલ તથા વિવિધ પાકો મળીને કુલ નિદર્શનો આપવામાં આવેલ છે.

11.2 Review of KVK Activities held during January-2022 to December-2022

(A) Training :

1. Farmers, Farm Women and Rural Youths

Subject	On Campus				Off Campus				Total			
	No.	Beneficiaries			No.	Beneficiaries			No.	Beneficiaries		
		M	F	T		M	F	T		M	F	T
(A) Practicing Farmers /Farm Women												
Crop Production	11	313	431	744	10	305	147	452	21	618	578	1196
Horticulture	7	100	244	344	21	285	297	582	28	385	541	926
Plant Protection	2	44	66	110	13	343	260	603	15	387	326	713
Home Science	5	27	124	151	4	3	102	105	9	30	226	256
Ext. Education	4	96	158	254	1	7	0	7	5	103	158	261
Fisheries	2	57	44	101	1	9	16	25	3	66	60	126
Total (A)	**31**	**637**	**1067**	**1704**	**50**	**952**	**822**	**1774**	**81**	**1589**	**1889**	**3478**
(B) Rural Youth												
Crop Production	3	33	40	73	4	35	25	60	7	68	65	133
Horticulture	2	10	98	108	4	30	15	45	6	40	113	153
Ext. Education	1	26	24	50	2	33	70	103	3	59	94	153
Plant Protection	2	28	41	69	0	0	0	0	2	28	41	69
Home Science	1	6	9	15	1	0	16	16	2	6	25	31
Total (B)	**9**	**103**	**212**	**315**	**11**	**98**	**126**	**224**	**20**	**201**	**338**	**539**
Total A+B	**40**	**740**	**1279**	**2019**	**61**	**1050**	**948**	**1998**	**101**	**1790**	**2227**	**4017**

2. Sponsored Training :

Sr. No.	Date	Beneficiaries			Sponsor Agency
		Male	Female	Total	
1	7/2/2022	0	23	23	Baroda Swarojar Sansthan, Navsari
2	15/2/2022	56	8	64	Dept. of agriculture,Navsari
3	16/2/2022	65	0	65	Reliance Foundation
4	25/2/2022	53	0	53	Kribhaco, Surat
5	16/3/2022	53	2	55	Kribhaco, Surat
6	13/5/2022	9	8	17	NMCA,NAU,Navsari
7	22/6/2022	38	16	54	Dept. of Agriculture, Navsari & ATMA, Navsari
8	14/7/2022	0	28	28	Desai Foundation, Navsari
9	30/7/2022	25	5	30	ATMA, Navsari
10	2/8/2022	0	39	39	Desai Foundation, Navsari
11	23/8/2022	30	20	50	ATMA,Navsari
12	20/12/2022	54	0	54	Hariraj Charitable trust, Vadodara
	Total	**383**	**149**	**532**	

3. In-service Training :

Sr. No.	Subject	Date	Days	Beneficiaries		
				Male	Female	Total
1	Extension Education	11-13/10/2022	3	17	15	32
2	Plant Protection	30-31/12/2022	2	26	11	37
			Total	**43**	**26**	**69**

4. Vocational Training

Sr. No.	Subject	Date	Days	Subject	Beneficiaries		
					Male	Female	Total
1	Agronomy	11-12/3/2022	2	Vermi composting	0	24	24
2	Agronomy	5-15/12/2022	10	Vermi composting	30	0	30
3	Home Science	12-17/9/2022	6	Decorative And Fency Ceandle Making	0	33	33
4	Home Science	12-17/9/2022	6	Bamboo Craft Training	0	15	15
5	Home Science	26-30/9/2022	5	Beauty And Health Management For Urban Or rural Women /youth	0	15	15
6	Plant Protection	29/11/2022	1	Mushroom Cultivation	1	36	37
				Total	**31**	**123**	**154**

B. Frontline demonstrations:

FLD Results of year 2021

Sr. No.	Season	Crop	Variety	Objective	Area (ha)	No. of farmers	Average Production q/ha		% increase
							Demo.	L.C.	
Crop Production									
1	Kharif-21	Pigeon pea	GT-104	To popularize the new high yielding variety	15	70	12.22	9.88	23.68
2	Rabi-21	Chick pea	GG-5	To popularize the new high yielding variety	24	240	12.46	10.57	17.88
Horticulture									
3	Summer-21	Mango	_	Novel Spray	50	114	93.5	74	26.35
4	Kharif-21	Mango	Available	Use of PSB, KMB, Aztobactor bio fertilizer	66.40	166	93.5	85	10.00
5	Kharif-21	Sapota	Available	Use of PSB, KMB, Aztobactor bio fertilizer	40.00	100	128	112	14.29
6	Kharif-21	Mango	Sonpari	Introduction of new variety	0.79	17	Continue.....		

7	Kharif-21	Little Gourd	GNLG-1	Introduction of new variety	2	39	210	180	16.67
8	Kharif-21	Drum stick	PKM1	Introduction of new variety	0.69	264	Continue.....		
9	Kharif-21	Dragon fruit	Red	Introduction of new variety	0.11	105	Continue.....		
10	Kharif-21	Dragon fruit	White	Introduction of new variety	0.38	296	Continue.....		
11	Kharif-21	Kitchen garden	Available	Pesticide residue free nutritious food	5.5	557	2.5	1.9	31.58
Plant Protection									
12	Rabi-21	Mango	Available	Fruit fly management Use Nauroji fruit fly trap	5	20	96.8	83.9	15.38
13	Kharif-22	Paddy	Available	IPDM Technologies	5	10	47.34	41.26	14.30
				Total	**214.87**	**1998**			

FLD on Farm Implements and Machinery Year-2021

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**
Twin wheel hoe	Pulse Crop	Twin wheel hoe for weeding operation	25	1	Labour saving hours	32 hr.	160 hr.	80%	-	-	16	16-	-	4288/ ha.	-	4288/ ha.
Note : Labor wages calculated as per NAU University rate. (268/-) Year-2021-22																

FLD January to December-2022

Sr. No.	Season	Crop	Variety	Objective	Area (ha)	No. of farmers	Average Production qt/ha		Percent increase
							Demo.	L.C.	
Crop Production									
1	Rabi-22	Green gram	GM-6	To popularize the new high yielding variety	28.6	214	8.34	6.62	25.98
2	Kharif-22	Paddy	NAUR-1	To popularize the new high yielding variety	4	16	43.91	40.02	9.72
3	Kharif-22	Paddy	GNR-2	To popularize the new high yielding variety	2	10	42.32	37.89	11.69
4	Kharif-22	Paddy	GNR-3	To popularize the new high yielding variety	31.7	124	46.38	40.28	15.14
5	Kharif-22	Paddy	GRH-2	To popularize the new high yielding variety	10	50	49.87	43.62	14.33
6	Kharif-22	Paddy	GNR-5	To popularize the new high yielding variety	10	39	43.57	38.72	12.53
7	Kharif-22	Paddy	GNR-6	To popularize the new high yielding variety	10	42	38.84	35.44	9.60
8	Kharif-22	Paddy	GNR-7	To popularize the new high yielding variety	19	73	44.75	40.02	11.82
9	Kharif-22	Paddy	GNR-9	To popularize the new high yielding variety	4	16	40.34	36.25	11.28
10	Kharif-22	Paddy	GR-18	To popularize the new high yielding variety	4	15	43.36	37.32	16.18
11	Kharif-22	Paddy	GR-15	To popularize the new high yielding variety	6	15	43.46	40.28	7.89
12	Kharif-22	Paddy	GR-20	To popularize the new high yielding variety	8	31	41.56	37.32	11.36

13	Kharif-22	Paddy	GNR-8	To popularize the new high yielding variety	2	8	41.69	36.57	14.00
14	Kharif-22	Pigeon pea	GT-104	To popularize the new high yielding variety	10	60	Continue.....		
15	Rabi-22	Chickpea	GG-5	To popularize the new high yielding variety	20	200	Continue.....		
16	Rabi-22	Sugarcane	Available	To popularize the new high yielding variety	15	40	Continue.....		
17	Rabi-22	Indian Bean	GNIB-21	To popularize the new high yielding variety	1	20	Continue.....		
				Total	**185.3**	**973**			
Plant Protection									
17	Kharif-22	Pigeon pea	Available	Use of bio pesticides in pest & diseases	5	10	11.85	8.10	18.90
18	Rabi-22	Mango	Available	Fruit fly management Use Nauroji fruit fly trap	5	20	Continue.....		
				Total	**10**	**30**			
Home Science									
19	Kharif-22	Twin wheel hoe	Pulse Crop	Twin wheel hoe for weeding operation	0.30	30	Continue.....		
				Total	**0.30**	**30**			
Horticulture									
20	Kharif-22	Mango	Available	Use of PSB, KMB, Aztobactor bio fertilizer	80	120	Continue.....		
21	Kharif-22	Sapota	Available	Use of PSB, KMB, Aztobactor bio fertilizer	80	123	Continue.....		

22	Kharif-22	Dragon fruit	Red	Introduction of new variety	0.32	39	Continue.....
23	Kharif-22	Dragon fruit	White	Introduction of new variety	0.32	39	Continue.....
24	Summer-22	Elephant Foot Yam (Suran)	Gajendra	Introduction of new variety	0.17	114	Continue.....
25	Summer-22	Elephant Foot Yam (Suran)	Swagat	Introduction of new variety	0.01	18	Continue.....
26	Rabi-22	Okra	Purna raxak	Introduction of new variety	3.67	65	Continue.....
27	Summer-22	Kantola	Local	Introduction of new variety	0.50	13	Continue.....
28	Kharif-22	Pointed gourd	GNPG-1	Introduction of new variety	0.22	10	Continue.....
29	Kharif-22	Little gourd	GNLG-1	Introduction of new variety	0.40	22	Continue.....
30	Summer-22	Turmeric	Sugandham	Introduction of new variety	0.04	12	Continue.....
31	Summer-22	Turmeric	Amravanti	Introduction of new variety	0.10	19	Continue.....
32	Summer-22	Turmeric	Jyoti	Introduction of new variety	0.02	18	Continue.....
33	Summer-22	Turmeric	GNT-3	Introduction of new variety	0.07	21	Continue.....
34	Kharif-22	Lemon	Local	Introduction of new variety	0.25	50	Continue.....
				Total	**166.09**	**683**	
				Grand Total	**361.69**	**1716**	

3. Demonstration conducted under NFSM project 2021-22 and 2022-23

Year 2021-22

1. FLD Organized

Sr. No	FLD organized			Area (ha)	Beneficiaries		
	Crop	Variety	Season		SC/ST	Others	Total
1	Pigeon pea	GT-104	Kharif 2021	10	50	10	**60**
2	Chick pea	GG-5	Rabi-2021	20	63	137	**200**
3	Green gram	GM-6	Summer-2022	20	131	69	**200**
		TOTAL		**50**	**244**	**216**	**460**

2. CFLDs Training on Pulses (2020-21)

Sr. No.	Date	Title of training	No. of Beneficiaries						Grand Total
			SC/ST		Other		Total		
			M	F	M	F	M	F	
A: Kharif pulses (Off campus)									
1	17/06/21	Webinar on scientific cultivation practices of pigeon pea	9	6	0	0	9	6	**15**
2	21/06/21		25	32	0	0	25	32	**57**
Sub-total (A)			**34**	**38**	**0**	**0**	**34**	**38**	**72**
B : Kharif Pulses (On campus)									
3	03/06/21	Key steps to increase the production and productivity of chickpea	32	34	6	2	38	36	**74**
4	04/06/21		0	0	17	1	17	1	**18**
Sub-total (B)			**32**	**34**	**23**	**3**	**55**	**37**	**92**
C : Rabi Pulses (On campus)									
5	25/10/21	Scientific cultivation practices of chick pea	16	48	2	1	18	49	**67**
6	27/10/21		38	19	0	0	38	19	**57**
7	28/10/21	Important steps to increase the production and productivity of chickpea	0	0	16	39	16	39	**55**
8	29/10/21		38	30	0	0	38	30	**68**
Sub-total (C)			**92**	**97**	**18**	**40**	**110**	**137**	**247**
	D : Summer pulses (On campus)								
9	02/02/22	Scientific cultivation practices of summer green gram	36	47	83	2	2	4	**87**
10	03/02/22		2	26	28	0	1	1	**29**
11	04/02/22	Integrated nutrient and weed management in summer pulses	5	11	15	11	39	50	**75**
12	05/02/22		9	62	71	3	6	9	**80**
Sub-total (D)			**52**	**146**	**197**	**16**	**48**	**64**	**271**
Gran total (A+B+C+D)			**210**	**315**	**238**	**59**	**247**	**276**	**682**

3. Field visit of CFLDs of Pulses

Sr. No.	Date	Name of village	No. of plots visited	No. of Beneficiaries						Grand total
				SC/ST		Other		Total		
				M	F	M	F	M	F	
	A: Summer 2021 (Green gram)									
1	22/04/21	Abrama	3	0	0	2	2	2	2	**4**
2	27/04/21	Kalamtha	3	0	0	1	2	1	2	**3**
3	25/05/21	Dharampuri Kedkachha	5	2	6	0	0	2	6	**8**
4	20/05/21	Mohanpor	3	0	0	2	2	2	2	**4**
	Sub Total-A		**14**	**2**	**6**	**5**	**6**	**7**	**12**	**19**
	B: Kharif 2021 (Pigeon pea)									
5	08/10/21	Kukada	3	2	2	0	0	2	2	**4**
6	16/10/21	Kedkachha	2	3	1	0	0	3	1	**4**
7	06/12/21	Abrama	2	0	0	1	1	1	1	**2**
8	11/01/22	Abrama	2	0	0	1	1	1	1	**2**
9	11/01/22	Upasal	1	4	0	0	0	4	0	**4**
10	11/01/22	Kukada	1	1	0	0	0	1	0	**1**
	Sub Total-B		**11**	**10**	**3**	**2**	**2**	**12**	**5**	**11**
	C: Rabi 2022 (Chick pea)									
11	11/01/22	Kukada	4	3	0	0	0	3	0	3
12	28/01/22	Sindhai	2	2	2	0	0	2	2	4
13	28/01/22	Kukada	1	1	1	0	0	1	1	2
14	28/01/22	Khambhala	3	2	1	0	0	2	1	3
15	28/01/22	Bilmoda	4	3	1	0	0	3	1	4
16	28/01/22	Ambapani	2	0	2	0	0	0	2	2
17	03/03/22	Kukada	1	2	2	0	0	2	2	4
18	03/03/22	Enthal	2	0	0	2	0	2	0	2
	Sub Total-C		**19**	**13**	**9**	**2**	**0**	**15**	**9**	**24**
	Grand Total (A+B+C)		**44**	**25**	**18**	**9**	**8**	**34**	**26**	**54**

Photo graph of field visit

CFLDs Plots of pigeon pea (GT-104) (Kharif- 2021-22)

CFLDs Plots of pigeon pea (GT-104) (Kharif- 2021-22)

CFLDs Plots of Chick pea (GG-5) (Rabi- 2021-22)


CFLDs Plots of Chick pea (GG-5) (Rabi- 2021-22)


CFLDs Plots of Chick pea (GG-5) (Rabi- 2021-22)


CFLDs Plots of Green gram (GM-6) (Summer- 2022)

CFLDs Plots of Green gram (GM-6) (Summer- 2022)

CFLDs Plots of Green gram (GM-6) (Summer- 2022)

CFLDs Plots of Green gram (GM-6) (Summer- 2022)

4. Field day organized on Pulses

Sr. No.	Date	Name of village	No. of Beneficiaries						Grand total
			SC/ST		Other		Total		
			M	F	M	F	M	F	
	A:Rabi Pulses 2021-22 (Chickpea)								
1	02/02/22	Satimal, Ankalach, Sara, Dharmpuri	31	42	0	0	31	42	**73**
2	03/02/22	Kedkach, Dharmpuri	2	26	0	1	2	27	**29**
3	04/02/22	Mohanpur, Abrama	0	0	45	15	45	15	**60**
4	05/02/22	Dharmpuri ,Kukada, Kharajai, Dambhar	8	58	3	4	11	62	**73**
5	10/02/22	Kandha, Ravantya, Khanpur, Bedmal, Bartad	3	64	0	0	3	64	**67**
6	28/02/22	Toranvera, Pati	2	32	0	0	2	32	**34**
7	10/03/22	Kukada	7	35	0	0	7	35	**42**
	Sub Total (A)		**53**	**257**	**48**	**20**	**101**	**277**	**378**
	B:Summer Pulses 2021-22 (Green gram)								
8	11/04/22	Chundha	28	36	1	0	29	36	**65**
9	17/05/22	Kharjai	9	9	0	0	9	9	**18**
10	17/05/22	Kukda	10	12	0	0	10	12	**22**
	Sub Total (B)		**47**	**57**	**1**	**0**	**48**	**57**	**105**
	Grand Total (A+B)		**100**	**314**	**49**	**20**	**149**	**334**	**483**

Field day Chickpea 2021-22


Field day Chickpea 2021-22


Field day Chickpea 2021-22


Field day Summer Green gram 2021-22

Field day Summer Green gram 2021-22

SUCCESS STORY 2021-22

1. **Crop and Variety: Pigeon pea** and GT-104 (Kharif -2021-22)

Title of intervention: Introduction of high yielding newly released pigeon pea variety

Profile					
Name	**:**	Prafulaben Mineshbhai Patel	**Age**	**:**	39
Village	**:**	Abrama	**Education**	**:**	12th Pass
Taluka	**:**	Jalalpor	**Land holding**	**:**	4.4 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	18 year
Mo. no	**:**	**9586741023**	**Crops grown**	**:**	Mango, Sapota and Sugarcane , Pigeon pea

BEFORE CONTACT WITH KVK

Since more than 10 year back, she is cultivated Pigeon pea traditionally, but pigeon pea pod size is small and number of seeds are 3-4 as well as it wilted after emergence as results of this potential yield is not obtained and the cost of cultivation is increased. Once she visit demo plot at KVK then she made her mind to follow the guideline.

Details of technology demonstrated:

Area	:	1 vigha (0.2 ha)
Variety	:	Gujarat Chick Pea - 5
Spacing	:	30 cm
Seed Treatment	:	Thiram @ 3 gm/kg seed Rhizobium, PSB and KMB each @ 10-20 ml/kg seed
Seed rate	:	60 – 70 kg/ha
Nutrient management	:	20:40:00 kg NPK/ha
Weeding	:	2 time hand weeding
Micro-nutrients	:	Spraying of Novel liquid fertilizers @1% at flowering pod setting stage

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of short durations and wilt resistance high yielding variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield and wilt incidence was very less

Yield (q/ha)	
Demonstration	14.39
Potential yield of variety/technology	20.00
District average	9.13
State average	10.33

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	**Yield (q/ha)**	**Gross cost (Rs/ha)**	**Gross income (Rs/ha)**	**Net income (Rs/ha)**	**B:C ratio**
Farmer practices	11.78	34320	76016	41696	2.21
Demonstration	14.39	36980	92959	55979	2.51
% Increase	22.16	7.75	22.29	34.25	13.49

Pigeon pea (GT -104) plot of Prafulaben Mineshbhai Patel

2. Crop and Variety: Chick pea and GG-5 (Rabi-2021-22)

Title of intervention: Introduction of high yielding and wilt resistance Chick pea newly released variety

Profile					
Name	**:**	Desai Vijaybhai Natvarlal	**Age**	**:**	62
Village	**:**	Enthal	**Education**	**:**	12th Pass
Taluka	**:**	Gandevi	**Land holding**	**:**	3.6 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	38 year
Mo. no	**:**	**9375982185**	**Crops grown**	**:**	Paddy, Chick pea, Mango, Sapota and Sugarcane

BEFORE CONTACT WITH KVK

Wilt disease was the major hurdle for her chickpea yield. Since 18 years repeated use of chick pea in the same area without any plant protection measures he harvested minimum yield. Once he visit demo plot at KVK then he decided to cultivate it with scientific manner.

Details of technology demonstrated:

Area	:	1 vigha (0.2 ha)
Variety	:	Gujarat Chick Pea - 5
Spacing	:	30 cm
Seed Treatment	:	Thiram @ 3 gm/kg seed Rhizobium, PSB and KMB each @ 10-20 ml/kg seed
Seed rate	:	60 – 70 kg/ha
Nutrient management	:	20:40:00 kg NPK/ha
Weeding	:	2 time hand weeding
Micro-nutrients	:	Spraying of Novel liquid fertilizers @1% at flowering pod setting stage

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of short durations and wilt resistance high yielding variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield and wilt incidence was very less

Yield (q/ha)	
Demonstration	12.57
Potential yield of variety/technology	21.50
District average	8.7
State average	13.3

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	10.63	30320	59092	28772	1.95
Demonstration	12.57	31880	70141	38261	2.20
% Increase	18.25	5.15	18.70	32.98	12.89

Chick Pea (GG-5) plot of

3. Crop and Variety: Green gram and GM-6

Title of intervention: Introduction of YVM resistance and high yielding green gram newly released variety (Summer-2022)

Profile					
Name	**:**	Patel Rameshbhai Zinabhai	**Age**	**:**	62
Village	**:**	Mohanpor	**Education**	**:**	12th Pass
Taluka	**:**	Gandevi	**Land holding**	**:**	4.6 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	35 year
Mo. no	**:**	**9825463044**	**Crops grown**	**:**	Sugarcane, Green gram, Vegetable and Mango

BEFORE CONTACT WITH KVK

He has been cultivating green gram since 10 years, normally he used to adopt traditional practices while cultivating green gram, hence she incurred huge yield losses due to abiotic and biotic stress thereby increased cost of cultivation and low profit concern her farming.

Details of technology demonstrated:

Area	-	0.25 ha
Variety	-	Green Gram – GM-6
Spacing	-	45 x10 cm
Seed Treatment	-	Thiram @ 3 gm/kg seed Rhizobium, PSB and KMB each @ 10-20 ml/kg seed
Seed rate	-	25 kg/ha
Nutrient management	-	20:40:00 kg NPK/ha
Weeding	-	2 time hand weeding
Micro-nutrients	-	Spraying of Novel liquid fertilisers @1% at flowering pod setting stage

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Pod length higher and seeds are bold as well as YVM virus resistance variety
- Adoption of *summer* green gram recently released good high yielding variety
- Integrated nutrient management in crop
- Carried out Scientific method of cultivation

Farmer Feedback:

Variety having very good yield and less incidences of pest problem

Details of productivity status of Green gram

Yield (q/ha)	
Demonstration	8.87
Potential yield of variety/technology	11.0
District average	5.64
State average	5.26

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	6.78	30400	53087	22687	1.75
Demonstration	8.87	31760	69452	37692	2.19
% Increase	30.83	4.47	30.83	66.14	25.22

Green Gram (GM-6) plot of Patel Rameshbhai Jinabhai

Year 2022-23

1. FLD Organized

Sr. No	FLD organized			Area (ha)	Beneficiaries		
	Crop	Variety	Season		SC/ST	Others	Total
1	Pigeon pea	GT-104	Kharif 2021	10	38	22	**60**
2	Chick pea	GG-5	Rabi-2021	20	184	16	**200**
		TOTAL		**30**	**222**	**38**	**260**

2. CFLDs Training on Pulses (2022-23)

Sr. No.	Date	Title of training	No. of Beneficiaries						Grand Total
			SC/ST		Other		Total		
			M	F	M	F	M	F	
A: Kharif pulses (On campus)									
1	01/06/22	Scientific cultivation practices of Pigeon pea	16	26	15	25	31`	51	**82**
	Sub-total (A)		**16**	**26**	**15**	**25**	**31`**	**51**	**82**
B : Rabi Pulses (On campus)									
2	02/11/22	Scientific cultivation practices of Chick pea	13	10	23	0	2	2	**25**
3	03/11/22		74	24	96	0	0	0	**96**
4	04/11/22	Important steps to increase the production and productivity of Chickpea	47	29	76	0	0	0	**76**
5	05/11/22		0	0	0	9	11	20	**20**
	Sub-total (B)		**134**	**63**	**195**	**9**	**13**	**22**	**217**
	Gran total (A+B)		**150**	**129**	**195**	**9**	**29**	**88**	**299**

3. Field visit of CFLDs of Pulses

Sr. No.	Date	Name of village	No. of plots visited	No. of Beneficiaries						Grand total
				SC/ST		Other		Total		
				M	F	M	F	M	F	
	A: Kharif 2022 (Pigeon pea)									
1	29/09/22	Kedkachha	2	4	0	0	0	4	0	**4**
2	29/09/22	Kukada	1	1	1	0	0	1	1	**2**
	Sub Total-A		**3**	**5**	**1**	**0**	**0**	**5**	**1**	**6**
	A: Rabi 2022-23 (Chick pea)									
3	02/01/23	Umarkuai	2	2	0	0	0	2	0	**2**
	Sub Total-B		**2**	**2**	**0**	**0**	**0**	**2**	**0**	**2**
	Grand Total (A+B)		**5**	**7**	**1**	**0**	**0**	**7**	**1**	**8**

CFLDs Plots of Pigeon pea (GT-104) (Kharif- 2022)

CFLDs Plots of Pigeon pea (GT-104) (Kharif- 2022)

Seed Hub Project:

Creation of Seed Hubs for Increasing Indigenous Production of seeds of pulses in India

1. **Separate account opening date as per guidelines: 18/8/17**
2. **Transfer/deposit of money by host institute (Mention date):**
3. **Details of seed production and budget allocation for Seed hubs at KVK, Navsari**

State	Nam of the centre	Seed production target (q)			*Budget allocation (Rs. In Lakh)*		
		2016-17	2017-18	2018-19	Seed processing & storage Infrastructure under	Revolving Fund	
						2016-17	2017-18
Gujarat	KVK, Navsari	450	700	1000	50.00	35.00	65.00

4. **Target of quality seed production of pulses by seed-hub (KVK, Navsari) during 2021-22 and 2022-23**

State	Name of the centre	District	Crop / Variety	Quantity of seed production (q)		
				2021-22	2022-23	Total
Gujarat	KVK, Navsari	Navsari	Green gram	300	300	**1000 per year**
			Pigeon pea	200	200	
			Chickpea	500	500	
Total				**1000**	**1000**	

5. **Infrastructure created:**

Sr. No.	Name of items (Like Godown, Processing equipment)	Allotted Fund (in Lakh)	Expanse Fund (in Lakh)	Unutilized Fund (in Lakh)
1	For godown construction the fund was transfer to executive engineer	35.00	22.90	12.10
2	Seed processing machinery equipment	15.00	6.56	8.44
	Total	**50.00**	**29.46**	**20.54**

Latest photograph of infra-structure development

Seed hub godown

Seed processing machinery plant

6. Crop wise seed production

Season (s)	Crop(s) / Variety	Seed prod. target (in q)	Seed prod. Achievement (in q)	At KVK/ SAUs/ Institute farm		At farmers field in participatory mode		Seed certification agency	Type of seed (breeder / TFL etc.)
				Area (ha)	Qt. (q)	Area (ha)	Qt. (q)		
Summer-2022	Green gram (GM-6)	300	150.0*	0	0	15	150.0*	GSCA, Ahmadabad	Certified
Kharif - 2021	Pigeon pea (GT-104)	500	100.0	0.5	5.0	10	100.0	GSCA, Ahmadabad	Certified

Reasons for low yield:

**** Green gram plant stand not maintain and severs disease incidence was found due to unfavorable weather condition***

***** Pigeon pea seed is expected to produced, due to cyclone and climate change during month of November and December, 2021***

7. Expenditure details

Year	Opening Balance (1st April)	Fund Utilized	Fund Earned (by seeds sale)	Interest gained/ Subsidy received if any	Closing Balance (31st March,)	Remarks (if any)
2018-19	65.92	10.38	3.61	0.0	97.44	34.00 Fund received from ICAR-IIPR Kanpur
2019-20	97.44	26.93	20.36	0.0	129.87	
2020-21	129.87	26.11	2.28	0.0	96.21	
2021-22	96.21	8.51`	0.50	0.0	107.17	
2022-23	107.17	13.24	1.48	0.0	95.41	

8. Seed hub field plots visit (Year 2021-22)

Sr. No.	Place visited	Date	Crop	No. of Baneberries		Total
				M	F	
2020-21						
1	Kanera	05/01/2022	Pigeon pea (GT-104)	1	0	1
2	Vadadala	05/01/2022	Pigeon pea (GT-104)	2	0	2
3	Devalipada	06/01/2022	Pigeon pea (GT-104)	1	0	1
4	Vyara	06/01/2022	Pigeon pea (GT	1	0	1
5	Vadadala	22/02/2022	Pigeon pea (GT	1	0	1
6	Kanera	22/02/2022	Pigeon pea (GT	2	0	2
7	Bharthana, Netrang	14/03/2022	Green gram (GM-6)	5	1	6
	Total			**13**	**1**	**14**

Photograph of Seed production of Green gram and Pigeon pea under seed hub project

Seed production of green gram (GM-6) at farmers field (Netrang Ta. Kamrej)	
	
Pigeon pea seed production at farmers field Village:-Vadadala Ta.-Jambusar Dist. Bharuch Year- 2021-22- Kharif	**Pigeon pea seed production at farmers field Village:- Karena Ta.-Amod Dist. Bharuch Year -2021-22 Kharif**
	
Green gram seed production at Farmer Village Bharthan Dist. Surat 2021-22*	**Green gram seed production at Farmer Village Bharthan Dist. Surat 2021-22***

**** Green gram plant stand not maintain and severs disease incidence was found due to unfavorable weather condition***

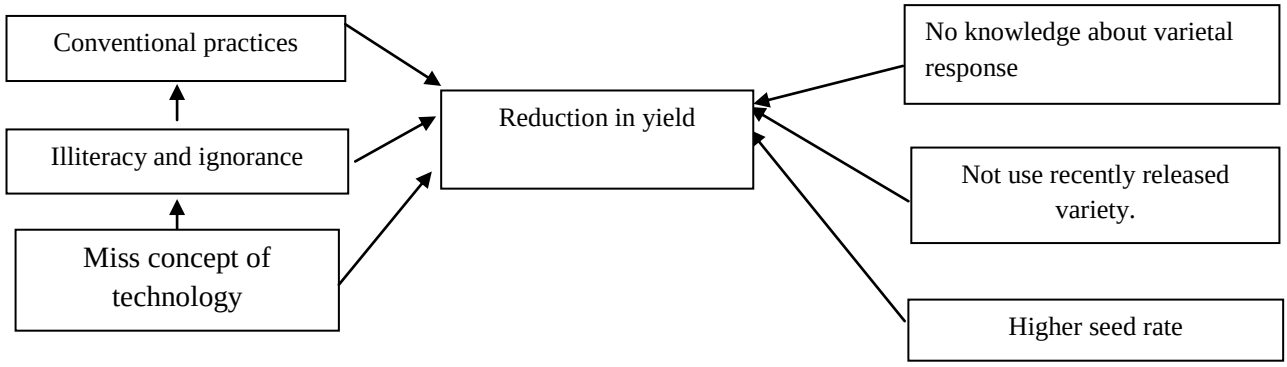
C. <u>On Farm Testing :</u>

Sr. No.	Particulars	No.	Number of Farmers
Agronomy			
1	New Variety in hybrid rice GRH-2	1	6
2	Use of Liquid Consortia NPK-1(KRIBHCO Poly culture) In Sugarcane Crop.	1	6
Horticulture			
3	New variety in Brinjal (NSRP 1)	1	6
4	Use Of Liquid Consortia NPK-1(KRIBHCO Polyculture) In Mango Crop.	1	6
Plant protection			
5	Sucking pest management in chilly	1	6

OFT-1

Title of OFT	:	Assessment of newly released hybrid rice variety GRH-2
Description about the problem	:	Farmers of south Gujarat are not adopting recommended rice GRH-2. Generally farmers are sowing new improved rice varieties which are susceptible to many diseases and low yielding hence, farmers get very low yield
Causes of problem	:	Lack of knowledge about hybrid rice which are low yielding as compare to hybrid rice
Treatment	:	T1 : Hybrid Rice (Private) Us-312/6444
		T2: GR 3/NAUR-1 (5000 kg/ha)
		T3: rice GRH-2 Long cylindrical, 1000 seeding 25 gm yield 6000-6500 kg/ha.
Methodology	:	The above assessment will be conducted during kharif-2020. Six numbers of farmers will be selected randomly from adopted villages. The required data will collect and analysis will be done to draw conclusions. The result of OFT will be disseminate to the farmers. All the statistical procedures will be followed in OFT
Observation	:	1. Height of the plant
		2.Numbers of tillers and length of spike
		3. Yield kg/ha

Problem cause diagram



Socio-economic **Bio-physical**

Results of Technologies Assessed

Technology Assessed	Source of Technology	Production (kg.)	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B C Ratio
US-312/6444	Private company technology	4684	kg/ha	50367	**2.01**
GR 17/ NAUR-1	Navsari Agricultural University technology	4317	kg/ha	43689	**1.92**
Hybrid rice GRH-2	Navsari Agricultural University technology	5030	kg/ha	59912	**2.25**

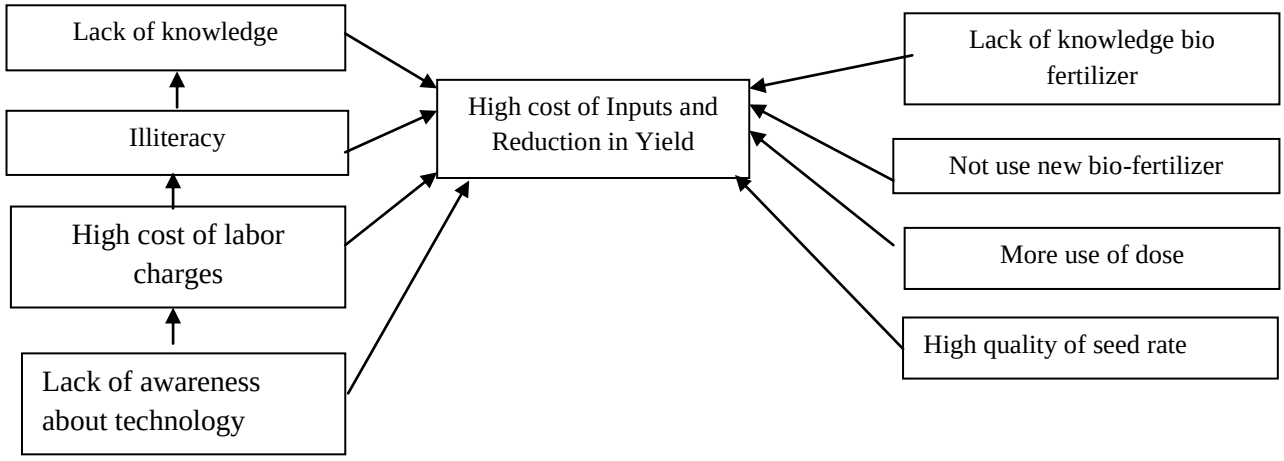
OFT plot of Paddy GRH-2 Village:-Kharjai

OFT plot of Paddy GRH-2 Village:-Gholar

OFT- 2

Title Of OFT	Use of Liquid Consortia NPK-1(KRIBHCO Polyculture) In Sugarcane Crop.
Description About The Problem	Farmers Of South Gujarat Are Not Use Of Polyculture Which Is New Research; Generally Farmers Are Use only Single Culture of Bio Fertilizer Due to that High Cost Of Inputs And Low Production Of Yield.
Cause Of Problem	Lack of Knowledge about the liquid consortia NPK-1(KRIBHCO Polyculture) (NCOF, Ghaziabad)
Treatment	T1-Farmers practice
	T2- Sugarcane Bud Set treatment In Prepared Solution Of Azotobacter In 10 Ltr Of Water Deep For 30 Minutes And Drenching Of Azotobancter, PSB And KMB With Normal Irrigation @ 1 Ltr/Acre
	T3 : PSB, Azato, KMB 2 lit/ha at 30 DAS & 90 days soil
Methodology	Above Assessment Conducted During Kharif-2020. With Six Number Of Farmers Will Selected Randomly From Adopted Villages
Observation	1. Height Of Plant
	2.Yield /Acre

Problem cause diagram



Socio-economic **Bio-physical**

Results of Technologies Assessed

Technology Assessed	Source of Technology	Production (Quintal)	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B C Ratio
T1:-Farmers practice	--	636.72	q/ha.	133985	**2.62**
T2:- PSB, Azoto, KMB 2 lit/ha at 30 DAS & 90 days soil	Navsari Agricultural University technology	754.89	q/ha.	172362	**3.04**

T3:- Sugarcane bud setts treatment in prepared solution of Azotobacter in 10 ltr of water deep for 30 minutes and drenching of Azotobacter, PSB and KMB with normal irrigation @ 1 ltr/acre	Private company technology	732.58	q/ha.	165377	**2.98**

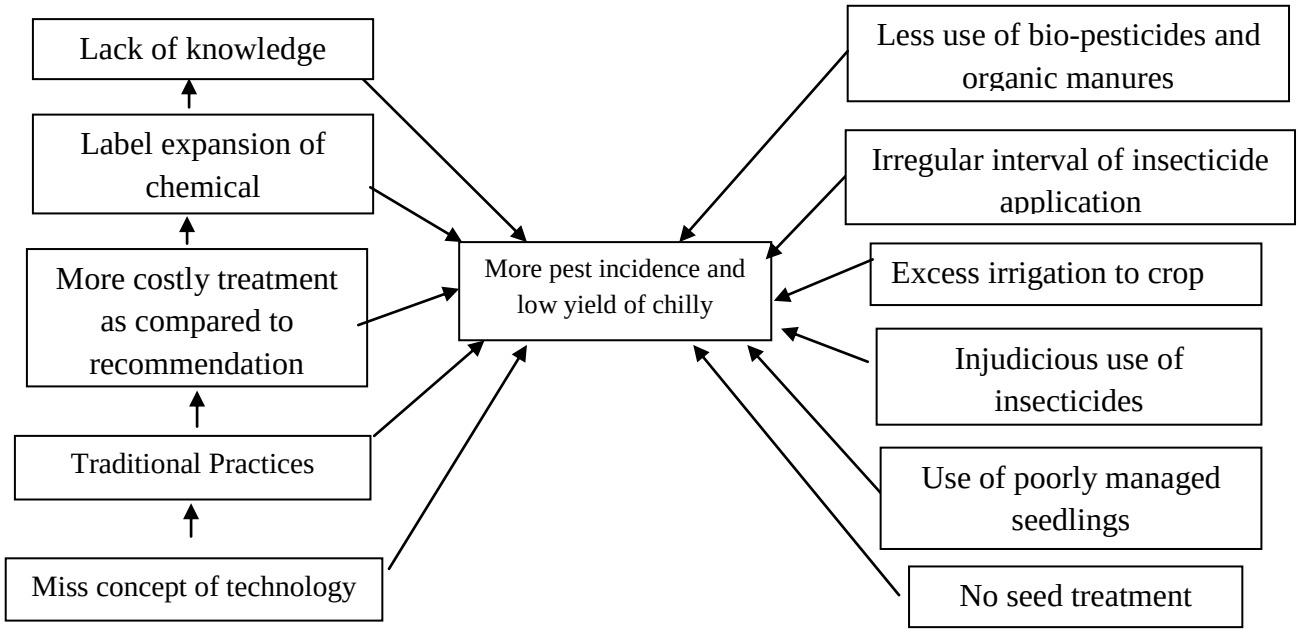
OFT Plot of Sugarcane Village:-Kukda

OFT-3

Title of OFT	:	**Sucking pest management in chilly**
Description about the problem	:	Farmers of south Gujarat are not practicing integrating approach in management of chilly thrips and mites. Many farmers preparing seedling without the seed treatment and transplanting without seedling root dip (either bio or chemical) this results heavy loss of chilly yield in farmer's field.
Causes of problem	:	Lack of knowledge of seed treatment and injudicious use of pesticides are the main case of pest resurgence
Treatment	:	T1: Farmers practice (Actual practice) no use of seed treatment and traps for the management of sucking pests.
		T2: seed treatment with Imidacloprid 70%ws @ 400-600 g/100 kg seed and foiliar spray propagate in initial stage of spinosad 45% sc @ 64 ml in 200 lit of water. Before transplanting seedling root dip *trichoderma viridae* 5 gm/lit for 30 minutes and use of Blue and Yellow sticky traps
		T3 : Propergite 57 EC @ 2.5 ml/lit & water of mites and spinosad 45% EC @ 64 ml/ in 200 lit of water for sucking as well as borer control in chilli.
Methodology	:	The above assessment will be conduct during kharif-2017. Six numbers of farmers will select randomly from adopted villages. The required data will collect and analysis will be done to draw conclusions. The result of OFT will be disseminate to the farmers. All the statistical procedures will follow in OFT

Observation	:	1.Observe and count pests all different places on the field
		2.Observe and count parasitoid and predators
		3. Yield kg/ha
		4.Economics of each treatment

Problem cause diagram



Socio-economic **Bio-physical**

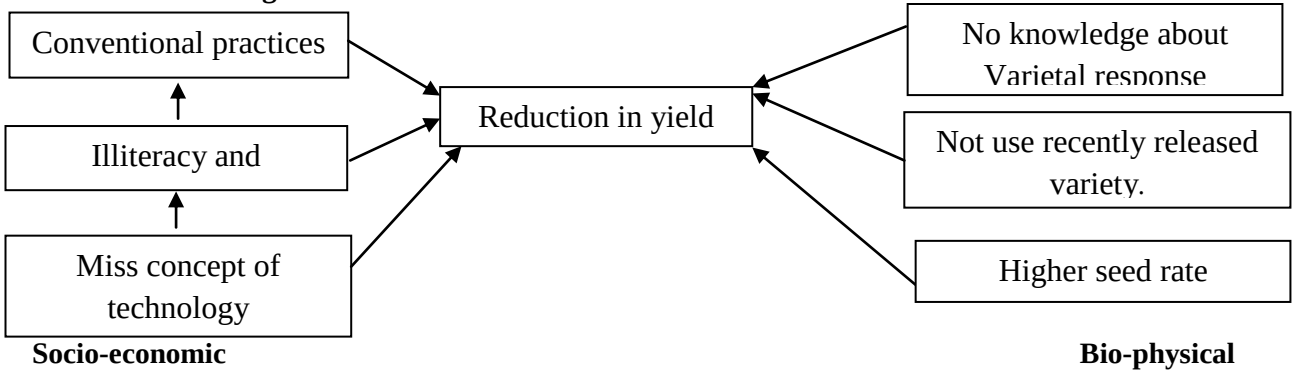
Results of Technologies Assessed

Technology Assessed	**Source of Technology**	**Production (kg)**	**Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)**	**Net Return (Profit) in Rs. / unit**	**BC Ratio**
Indiscriminate use of pesticide(Cypermethrin +spiromesifen+indoxarb) (Farmer's practice)	Farmers technology	9300	kg/ha	153120	**2.17**
Seedling treatement with trichoderma viridi+V. lecani + M. anisoplae + B. bassiana@ 5 gm/lit + yellow+ blue sticky trap @15/ha + Spinosad @ 0.3 ml/lit	Navsari Agricultural University technology	11870	kg/ha	213970	**2.77**

OFT-4

Title of OFT	:	New variety in Brinjal (NSRP 1) (Recommendation year- 2016)
Description about the problem	:	Farmers of south Gujarat are not familiar to recommended variety. Generally farmers are sowing old local verities which is susceptible to many diseases and low yielding hence farmers get very low yield
Causes of problem	:	Lack of knowledge about recommended/new varieties
Treatments	:	T1 : Farmer's practice
		T2 : NSRP-1 Brinjal it gives 23% more yield rather than GJB-3 and GOB-1 respectively
		T3 : NSRP-1 Brinjal + Novel spray
Methodology	:	The above assessment will be conduct in kharif-2017. Six numbers of farmers will select randomly from adopted villages. The required data will collect and analysis will be done to draw conclusions. The result of OFT will be disseminate to the farmers. All the statistical procedures will follow in OFT
Observation	:	1. Height of the plant
		2. Numbers of fruits plant
		3. Yield kg/ha

Problem cause diagram



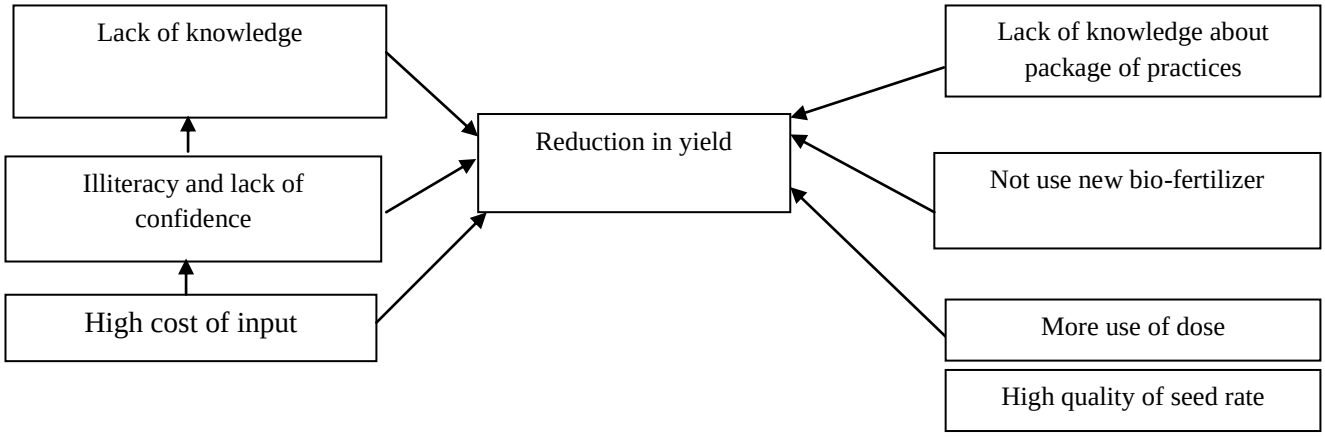
Results of Technologies Assessed

Technology Assessed	Source of Technology	Production (Tone)	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B C Ratio
Farmer practice(Local available variety)	NAU Navsari Gujarat	28.0	t/ha	220000	**4.67**
NSRP-1 Brinjal		30.6	t/ha	243000	**4.86**
NSRP - 1 Brinjal + Novel spray		32.4	t/ha	258000	**4.91**

OFT-5

Title Of OFT	Use Of Liquid Consortia Npk-1(Kribhco Polyculture) In Mango Crop.
Description About The Problem	Farmers Of South Gujarat Are Not Use Of Polyculter Which Is New Research, Generally Farmers Are Use Only Single Culture Of Bio Fertilizer Due To That High Cost Of Inputs And Low Production Of Yield.
Cause Of Problem	Lack Of Knowledge About The Liquid Consortia Npk-1(Kribhco Polyculture) (Ncof Ghaziabad)
Treatment	T1-Drenching Of Azotobancter, Psb And Kmb With Normal Irrigation @ 1 Ltr/Acre
	T2- Drenching With Normal Irrigation @ 1 Ltr/Acre (Ncof Ghaziabad)
	T3 - Farmers practices
Methodology	Above Assessment Conducted During Kharif-2020. With Six Number Of Farmers Will Selected Randomly From Adopted Villages
Observation	1.Fruit Weight
	2.TIME OF FLOWERING
	3.YIELD /ACRE

Problem cause diagram



Socio-economic **Bio-physical**

Technology Assessed	Source of Technology	Production	(unit)	Net Return (Profit) in Rs. / unit	B:C Ratio
T1-Farmers practices (Contorl)	Public sector company (KRIBHCO & University)	286	q/ha	164800	**3.53**
T2- Drenching of Azotobancter, Psb And Kmb With Normal Irrigation @ 1 Ltr/Acre		299	q/ha	183300	**3.70**
T3 -Drenching With Normal Irrigation @ 1 Ltr/Acre Liquid Consortia NPK		295	q/ha	176800	**3.59**

OFT Plot of Visit

OFT Plot of Visit

D. Other Extension Activities:

Sr. No.	Activity	No.	No. of Beneficiaries (Farmers/Rural Youth)			No. of Extension Functionaries			Grand Total		
			Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
1	Field Day	11	249	454	703	13	2	15	262	456	718
2	Field / FLD visit	47	148	115	263	45	4	49	193	119	312
3	Khedut Shibir/ Mahila shibir	12	613	815	1428	54	11	65	667	826	1493
4	Kisan Gosthi / Mahila Gosthi	4	154	317	471	13	4	17	167	321	488
5	Kisan Mela	1	148	240	388	20	4	24	168	244	412
6	Film Show	20	742	1527	2269	15	3	18	757	1530	2287
7	Agricultural Exhibition	24	949	591	1540	66	17	83	1015	608	1623
8	Workshop / Seminar / Meeting attended	1	51								
9	Group Meeting / Farmer's meeting / Mahila meeting	15	220	92	312	28	8	36	248	100	348
10	Lecture Delivered/ Guest lecture	34	494	648	1142	30	17	47	524	665	1189
11	Newspaper Coverage	1	38								
12	Popular Articles	1	7								
13	Extension Literature (Training Manual)	1	6								

14	Radio Talk	1									
15	TV Talk	3									
16	Telephonic helpline	1	Mass (4365 Farmers are benefited)								
17	E-KVK Service	1	31 Messages 2,28,385 Farmers								
18	Scientist Visit to Farmers Field	81	326	227	553	6	3	9	332	230	562
19	Dignitaries visit to KVK	1	20 Dignitaries visit to KVK								
20	Farmers Visit to KVK	123	1364	1371	2735	8	2	10	1372	1373	2745
21	Diagnostic Visit	37	100	114	214	50	7	57	150	121	271
22	Exposure visit	3	28	32	60	5	1	6	33	33	66
23	Soil & water samples analysis	1	130	115	245	2	1	3	100	96	196
24	SHG meeting	1	0	15	15	1	1	2	1	16	17
25	Farmer seminar & workshop	2	173	162	335	6	2	8	179	164	343
26	Awareness Programme	6	147	224	371	8	2	10	155	226	381
27	Rawe Programme	4	110	46	156	6	1	7	116	47	163
28	Day Celebration	9	280	964	1244	10	4	14	290	968	1258
29	Method Demonstration	8	112	67	179	10	2	12	122	69	191
30	Swachhta Abhiyan	3	70	15	85	5	4	9	75	19	94
	Total	**457**	**6557**	**8151**	**14708**	**401**	**100**	**501**	**6958**	**8251**	**15209**

Literature Published:

Sr. No.	Items	Number of Publications	Number of copies
1.	Technical Reports	24	150
2.	Extension Literature/Training Manual	6	500
3.	Research Papers	6	6
4.	Popular Articles	7	7
5.	Newspaper Coverage	38	38
6	Local news/channel clip	18	-

E. Functional linkages with different Organization

S.N.	Name of the Organization	Nature of Linkage
1.	N.A.U., Navsari	Provides administrative and technical support
2.	Central Government	RKVY Project, Seed village project
3.	Department of Animal Husbandry, Navsari	Collaborative training, extension programmes
4.	Bank of Baroda, Baroda Swarojgar Vikash Sansthan, Navsari	Collaborative training programmes
5.	Gandevi Co-operative Multipurpose Society, Gandevi	Organizing Khedut shibirs
6.	Department of Agriculure, Navsari	Collaborative training, extension programmes
7.	Forest Department	Collaborative training programmes on Agro-Forestry
8.	Department of Horticulture, Navsari	Collaborative extension programmes
9.	Department of Fisheries, Navsari	Collaborative training, extension programmes
10.	Veterinary College of Navsari	Collaborative training, extension programmes
11.	State Bank of India	Collaborative extension programmes
12.	Cohesion foundation Navsari, NABARD	Collaborative extension programmes
13.	ATMA, Tapi, Valsad, Surat, Navsari, Chikhali, Jalalpore	Collaborative training and extension programmes
14.	Tribal Sub plan, Vansda	Collaborative extension programmes
15.	Ramkrishna Cheritable Trust, Surat	Kitchen garden kit
16.	P.P.Savani group, Surat	Collaborative extension programmes
17.	Shri D.L.Patel	Meals of labours of KVK
18.	Tarsadiya foundation	Collaborative training and extension programmes
19.	Brahmakumaries, Navsari	Collaborative training and extension programmes
20.	JCI, Navsari	Collaborative training and extension programmes
21.	Lioness club Navsari	Collaborative training and extension programmes
22.	Manav Kalyankari sarvajanik Trust, Navsari	Collaborative training and extension programmes
23.	Lok Seva Trust, Kharel	Collaborative training and extension programmes
24.	Sneh-setu charitable trust	Collaborative training and extension programmes

25.	Gujarat State Water Shed Management, Gandhinagar	Collaborative training and extension programmes
26.	ASPEE foundation, Mumbai	Collaborative training and extension programmes
27.	JCB, Mumbai	Collaborative training and extension programmes
28.	Gandhi Memorial project, Gujarat Vidyapeeth, Ahmedabad	Collaborative training and extension programmes
29.	FAI, New Delhi	Collaborative training and extension programmes
30.	IFFCO, Surat	Collaborative training and extension programmes
31.	ASCI, New Delhi	Skill training programmes
32.	New Holland FIAT New Delhi	Collaborative training and extension programmes
33.	Samarpan Dhyan Kendra, Navsari	Collaborative training and extension programmes
34.	Senior Citizen Trust, Navsari	Collaborative training and extension programmes
35.	Anavil Sanskar Trust, Navsari	Collaborative training and extension programmes
36.	Gender Resource Center, Gandhinagar	Collaborative training and extension programmes
37.	Navsari Jilla Panchayat, Navsari	Collaborative programmes
38	Rotary club of Navsari	Collaborative programme
39	Shakti Foundation,Surat	Collaborative programme
40.	ICDS, Nasari	Collaborative programmes for Child and Women empowerment
41	Nehru Yuva Kendra, Navsari	Collaborative programmes
42	Arya Samaaj, Navsari	Cow donation for Natural farming
43	Desai foundation , Navsari	Collaborative training
44	Gujarat Agro industries Gandhinagar	Collaborative training and extension programmes
45	Maa foundation, Surat	Collaborative training and extension programmes
46	Forestry , Department, navsari	Collaborative training and extension programmes
47	Manage, Hyderabad	Collaborative training and extension programmes
48	Bureau of Indian Standared, Surat	Collaborative training and extension programmes

(F) Special programmes undertaken by the KVK, during reporting period.

January-2022 to December-2022

Sr. No	Name of the scheme	Date/ Month of initiation / B.H	Funding agency	Amount received (Rs. in Lakh)
1	Strengthening and testing of universities technologies on farmer's field through adaptive trials, Phase-II	12306	State Govt.	8.00
2	Cluster frontline demonstrations of Rabi pulses	2105/00	Central Govt.	3.00
3	ARYA Project	18191	Central Govt.	27.84
4	Awareness, Development and Demonstration of Organic Farming in South Gujarat	18172/02	State Govt.	20.20
5	Creation of seed hub for increasing indigenous production of Pulses seed in India :Seed Hubs	2704-02-A	Central Govt.	81.47
6	PKVY - Skill development	2125/02	Central Govt.	0.43
7	Mega seed project	2068/C	Central Govt.	0.80
8	Out Scaling of Natural Farming Through KVK's	2148/01	Central Govt.	2.66
9	Drone under submission on agricultural mechanization	18237	Central Govt.	17.50
10	Mahindra Samruddhi	18103	Central Govt.	0.51
Total				**162.41**

Activities under Organic project "Awareness, Development and Demonstration of Organic Farming in South Gujarat

Trainings/Seminar/Shibir

Sr.No	Trainings/Seminar/Shibir	Total
1.	On Campus	5
2.	Off Campus	8
3.	Diagnostic /Field Visit	19
4.	NADEP/Vermi compost Training	5
5.	Use Of Biopesticide	1
	TOTAL	**38**

Vermibed Distribution under Demonstration:

Sr.No	Date	Village	Awareness Programme Training/ Farmer Shibir/ Farmer Seminar	Total No. Of Vermibed Distribution
1.	4/01/2022	Lachakdi	Progressive Farm Women And Men Group (Organic Farmers)	84
2.	27/01/2022	Moraamba	Progressive Farm Women And Men Group (Organic Farmers)	54
3.	26/07/2022	Vedchha	Progressive Farm Women And Men Group (Organic Farmers)	51
4.	27/07/2022	Kangvai	Progressive Farm Women And Men Group (Organic Farmers)	24
5.	22/08/2022	Dambhar	Progressive Farm Women And Men Group (Organic Farmers)	18
			Total Vermi bed Distributed	**231**

List of Organic Farming Certified Farmers

Sr. No	Name	Village	Mo.No	Certified Farmer
1.	Sejalkumar Devdatbhai Patel	Kumbharfaliya	9426131269	C-4
2.	Kiranbhai Khandubhai Nayak	Sarikhurd	9898933403	C-4
3.	Krushnakant Champaklal Mashruvala	Valoti	9820070415	C-3
4.	Prakashkumara Navinbhai Patel	Talavchora	9825864282	C-4
5.	Vipinbhai Khandubhai Nayak	Khakhvada	9925578142	C-2
6.	Jitendra Ramanbhai Patel	Aantaliya	9978145540	C-2
7.	Mineshbhai Nanubhai Patel	Talavchora	9687399792	C-2
8.	Yagneshbhai Ramanlal Nayak	Ghanghor		C-2
9.	Jagubahi Babjibhai Chaudhari	Bartad	9638165081	C-2
10.	Sumanbhai Dhirubhai Nayak	Ghanghor	9427868956	C-2
11.	Robinkuamr Mohanbhai Patel	Butlav		C-2
12.	Hemantkumar Mohanbhai Patel	Butlav		C-2
13.	Pinaben Hirjibhai Patel	Pinsad		C-2
14.	Jitendra Ramanbhai Patel	Aantaliya		C-2

15.	Gopal Manubhai Kyada	Ganeshgadh		C-2
16.	Bharat Ramanbhai Patel	Talavchora		C-2
17.	Sumanbhai Dhirubhai Nayak	Ghanghor		C-2
18.	Sunilbhai Ramanbhai Patel			C-4
19.	Chimanbhai Keshavbhai Patel			C-2
20.	Ganpatbhai Somabhai Mahla			C-2
21.	Ishavarbhai Somabhai Mahla			C-2
22.	Bachubhai Ramjibhai Ganvit			C-2

On Campus Training

Off Campus


Diagnostic Visit


Vermi bed Distributed


NADEP and Vermi composting at Farmer's field

Success Story

Natural Farming & Sustainable Agriculture

Profile					
Name	**:**	Manubhai Bhikhabhai Patel	**Age**	**:**	61
Village	**:**	Bhinar	**Education**	**:**	12
Taluka	**:**	Vansda	**Land Holding**	**:**	4 Vigha
Dist	**:**	Navsari	**Farming Experience**	**:**	30 Year
Mo.No	**:**	9408188253	**Crops Grown**	**:**	Mango, Banana, Guava, Papaya, Turmeric, Dragon Fruit, Coconut, Elephant Foot Yam. **Vegetable:**Tomato,Brinjal, Capsicum,Cowpea. **Pulses:** Green-Gram, Black Gram.

Before Contact Of KVK:

Since more than 10 year back,he is cultivated all different crop with use of chemical fertilizer & use of different pesticides to control pest and disease incidence in various crop as a result of this potential yield is not obtained & cost of cultivation is increase.

After KVK Guidance Adopted Technology:

Area	**:**	4 Vigha
Variety	**:**	Mango (Kesar)
Spacing	**:**	15*15 Cm
Seed Treatment	**:**	Bijamruth
Seed Rate	**:**	-

Nutrient management	**:**	Use of jivamrut 10 lit/tree twice in a month every month & use of ghanjivamrut 10 kg/tree four time in year.
Weeding	**:**	As per needed

- **After KVKIntervation:**
  - To start attend different meeting of natural farming at various places of district
  - Based on training he adopted various natural farming cultivation practices.
- **Area of adoptive technology:**
  - Growing mango is main crop in 4 vigha.In this space between main crop.Seasonable vegetable crop & pulses crop are grown as a inter-crop.
- **Result of technology:**
  - ✓ Seed requirement is decrease.
  - ✓ Plant growth is improved.
  - ✓ Yield increase more than 25% compare to chemical farming.
  - ✓ More than 26-45% additional income.
- **Horizontal spread:**
  - About 10 farm family in the village & surrounding village adopted this technology.

Manubhai Bhikhabhai Patel

Natural Farming & its relevance

Profile					
Name	**:**	HemantKumarBhikhuBhai Patel	**Age**	**:**	51
Village	**:**	Sadlav	**Education**	**:**	12
Taluka	**:**	Navsari	**Land Holding**	**:**	70 Vigha
Dist	**:**	Navsari	**Farming Experience**	**:**	35 Year
Mo.No	**:**	9924185873	**Crops Grown**	**:**	Sugar Cane, Rice, Green gram, Cowpea, Black

Before Contact Of KVK:

Since more than 10 year back, he is cultivated all different crop with use of chemical fertilizer & use of different pesticides to control pest and disease incidence. in various crop as a result of this potential yield is not obtained & cost of cultivation is increase.

After KVK Guidance Adopted Technology:

Area	**:**	15Vigha	
Variety	**:**	Sugarcane	Rice
Spacing	**:**	5*1.5cm	9*5
Seed Treatment	**:**	Bijamrutat the time of planting	
Seed Rate	**:**	400 kg/vigha	
Nutrient management	**:**	Use Of JivamrutAt a time every irrigation 500 Lit/Acre. Use of GhanJivamrut 1000kg/Acre 5 time in a year	
Weeding	**:**	As per needed	

- **After KVK Intervation:**
  - He start attend different meeting of natural farming at various inside & outside of state.
  - Based on training he adopted various natural farming cultivation practices.

- **Area of adoptive technology:**
  - He is Growing sugarcane & rice is main crop. in between this main crop he growing various inter crop likemung bean, cow pea as a inter crop.

- **Result of technology:**
  - ✓ Seed requirement is decrease.
  - ✓ Plant growth is improved.
  - ✓ Yield increase additional 20% compare to chemical farming.
  - ✓ More than 30% additional income.

- **Horizontal spread:**
  - About 50 farm family in the village & surrounding village adopted this natural farming technology.

Hemant Kumar BhikhuBhai Patel

Out Scaling of Natural Farming Through KVK's

Sr.No	Trainings/Seminar/Shibir	No of Activities	No. of farmers
1.	Khedut Shibir	1	80
2.	Field Visit	5	299
3.	Method demonstration	4	167
4.	Awareness Programme	3	185
5.	Training	3	123
	TOTAL	**16**	**854**



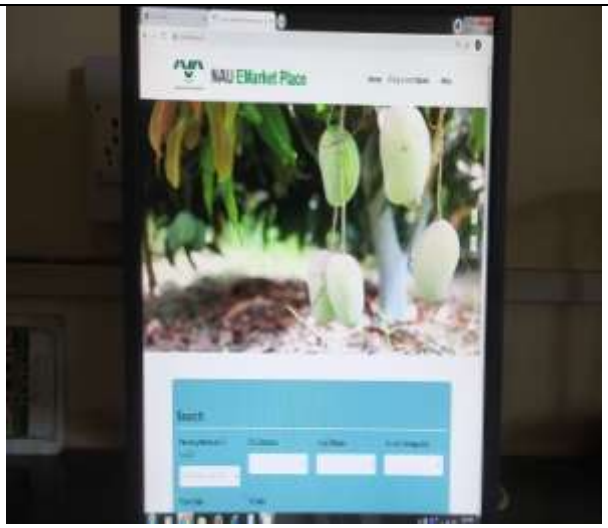
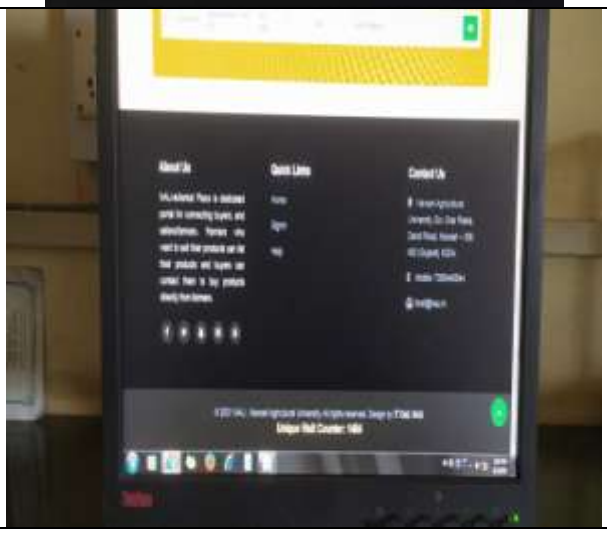
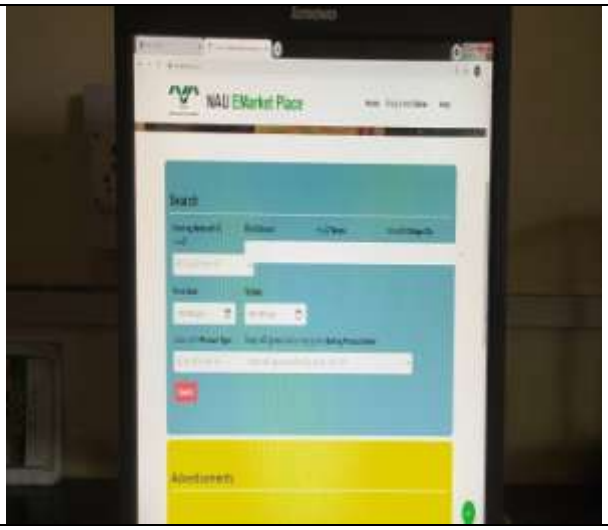

PRAKRUTIK KRISHAK BAZAR

- For increase awareness regarding organic products “Prakrutik Krishak Bajaar” has been started at November 2020 to continue till date
- The Main aims of this intiative “Prakrutik krishak bajaar” is to meet the pesticide Free Vegetable & Fruit for Navsari District peoples
- There are three main location has been selected for this Prakrutik Krishak Bajaar. 1. The front gate of Navsari Agricultural University , Navsari. 2. Bagayat APMC, Mandli Grid road Navsari . 3. Tata hall parking place, Navsari Nagarpalika.
- Total 123 farmers were registered with their Names in the Prakrutik Krishak bajaar they earned 11,40,684 Rupees amount till date, by selling their pesticide free Agricultural & Horticulture products like, Cereals, Pulses, vegetables and Fruits




Digital Platform for Marketing of Agricultural and Horticultural Farm Produce

- Navsari Agriculture University Navsari, started Digital Marketing Platform for Navsari farmers or Any other farmers in any district of Gujarat
- Navsari Agricultural University Navsari. Department of Information Technology (IT) Supported farmers portal for digital marketing
  Any Farmers in any district of Gujarat can provide selling facility in farmers portal
- From this portal farmers sell their products directly to the consumers. No middle man or no commission agents are included in the entire process

Digital Platform For Marketing Agricultural And Horticultural Farm Produce	
	
	

F.P.O Formation: (Farmers Produce Organization) in Navsari District

- Krishi Vigyan Kandra, Navsari Agricultural University, Navsari formed Three (3) Natural Farming / Organic farming practitioner F.P.O in the Navsari district
- Each F.P.O consists of 10 Board members out of which one C.E.O, One chairman and Director and 900 members are joined in each F.P.O
- KVK. Navsari is providing technical backstop for the Formation and smooth Running of F.P.O
- ***Krishi Vigyan Kandra, Navsari Agricultural University, Navsari formed Three (3) Natural Farming / Organic farming practioner F.P.O in the Navsari district***
- ***FPO namely (1) Annpurna SPNF FPO producer (2) Vatsalya (3) Sanjivanee***

➢

Annapurna SPNF FPO producer has successfully completed one year and is celebrated first annual meeting in the presence of Hon'ble MLA, Navsari Shri. Rakesh Desai along with 400 members

(i) DOUBLING FARMERS INCOME

- The main aim: Increase the farmers income double by giving agriculture and horticulture related new package of practices, technology, demonstration, trainings.
- In this scheme base line Survey has been conducted in 2016-2017 and adopted two village of Navsari district namely Kavdej & Chaundha .
- Total 110 Farmers Beneficiaries were Surveyed and success story published on ICAR website.
- In this two village all farmers Beneficiaries were given different agricultural inputs like package of practices like Novel, P.S.B, K.M.B., Azatobactor etc.

- Intake survey in the year of 2021-22 conducted and Among the 110 farmers 75 farmers are found their Increased income as double.

Sr. No.	Name of the Village	Population	No. of households	Major activities	Output/outcome in brief
1	Chaudha	1077	188	KVK organized training , demonstration and extension activities	• Create organic farming awareness among the farmers. • Decreasing use of seed rate and input cost. • Increasing yield and quality of cereals, vegetables and pulses. • Additional income through integration of animal science, poultry and other enterprises.
2	Kavdej	1053	177		

(ii) ARYA Project

Sr.No.	Title	Training	M	F	T
1	Establishment of mango processing training centre	7	175	103	278
2	Entrepreneurship development through Mango nursery	13	172	164	336
3	Carp Fish Farming	4	76	85	161
	TOTAL	**24**	**423**	**352**	**775**

1. Establishment of mango Processing Training Centre

Date	Village	Title of training / Activity	Other		ST		Total		
			M	F	M	F	M	F	T
29/01/2022	Mohanpur	kachi ker ni banavato	38	-	-	-	38	0	38
07/02/2022	KVK navsari	mango powder	-	21	-	1	0	22	22
16/02/2022	Bhutsad Abrama	Mango powder	18	13	-	-	18	13	31
04/03/2022	vadsangal	Mango processing	94	9	-	-	94	9	103
27/03/2022	Talangpur	ARYA processing	10	35	-	-	10	35	45
06/04/2022	Limjar, Vadichondha	Orientation programme in ARYA	-	-	10	-	10	0	10
17/12/2022	Kharoli	Orientation Arya Mango processing	5	24	-	-	5	24	29
		Total	**165**	**102**	**10**	**1**	**175**	**103**	**278**

2. Entrepreneurship development through Mango nursery

Date	Village	Title of training / Activity	Other		ST		Total		
			M	F	M	F	M	F	T
21/06/2022	Sindhai	ARYA grafting	-	-	4	6	4	6	10
24/06/2022	Pati	Grafting in mango	-	-	25	-	25	-	25
04/07/2022	KVK,Navsari	Mango grafting	71	49	-	-	71	49	120
13/07/2022	Aachhavani	ARYA Mango Grafting Training	-	-	1	29	1	29	30
20/07/2022	Satimal	Mango grafting	-	-	12	-	12	-	12
22/07/2022	Sindhai	ARYA mango grafting	-	-	4	9	4	9	13
29/07/2022	Satimal	ARYA Mango grafting	-	-	10	-	10	-	10

18/08/2022	Bhagad	ARYA Mango Grafting Training	-	35	-	-	-	35	35
08/09/2022	Navsari	ARYA Mango Grafting Training	27	12	-	-	27	12	39
24/09/2022	KVK Navsari	Grafting Training	4	20	-	-	4	20	24
21/10/2022	Umarkui	ARYA Mango grafting	-	-	9	-	9	-	9
21/10/2022	Sindhai	ARYA Mango grafting	-	-	5	4	5	4	9
		Total	**102**	**116**	**70**	**48**	**172**	**164**	**336**

3. Carp Fish Farming

Date	**Village**	**Title of training / Activity**	**Other**		**ST**				**Total**
			M	**F**	**M**	**F**	**M**	**F**	
24/3/2022	Navsari District	Carp Fish Farming	28	10	6	13	34	23	57
12/04/2022	Navsari District	Carp Fish Farming	23	21	-	-	23	21	44
09/06/2022	Navsari District	Carp Fish Farming	9	16	-	-	-	-	25
20/6/2022	Soldhara	Carp Fish Farming	5	15	5	10	10	25	35
		Total	**65**	**62**	**11**	**23**	**67**	**69**	**161**

Success Story

1. ARYA Mango Pulp Bottling

Name	**Bistubhai Poslubhai Birari**
Address	At : Tanufalia , Po : Limjar Ta : Vansda Dist : Navsari
Mobile No	9686434860
Age	42
Education	6 Pass
Land Holding	3 Vigha

Before KVK intervention

- No awareness about mother plot and its maintenance
- Lake of knowledge for multiple grafting in one plant
- Not aware about Sonpari hybrid mango variety.

After KVK intervention

- Total 20,000 grafts were prepared by all members of group.
- Out of these two groups one groups Bistubhai Poslubhai Birari

- From Tanufalia Limjar Block Vansda in Navsari Disrict had sold 10,000 mango grafts commercially. Now KVK, Navsari is emphasising on marketing of grafts.

Effect of KVK intervention

Results to adopt this technology

- Due to KVK intervention trust of people increased.
- Started multiple grafting in mango.
- Realized important of hygiene and cleanliness, safety measures.
- Started use of Novel Banana sap and other pesticides as per need with specific amount

Economics	
Produce (grafts)	20,000
Price (Rs)	50
Income (Rs)	10,00,000
Cost (Rs)	6,00,000
Profit (Rs) (12 month)	4,00,000

2. ARYA Mango Pulp Bottling

Name	Patel Twinkle Jinalbhai
Address	Aat (Rupan Talav) Ta : Navsari Dist : Navsari
Mobile No	9737719110
Age	27
Education	B.Com
Land Holding	4 ha

Before KVK intervention

- Bottle burst, discoloration and burning effect were major technical issues
- Not aware about microbial contamination
- Lack of knowledge about adequate use of preservatives.
- Never used Brix meter, thermometer

After KVK intervention

- She has received proper technical knowledge about different kinds of value addition products. in mango.
- She realized important of hygiene and cleanliness, safety measures
- Started use of disinfectants, gloves, mask, hair cap, apron and fire extinguisher
- Started use of thermometer of brix meter

- Due to hygiene & safely precaution trust of people increased.
- Started microbial analysis of their product.

Effect of KVK intervention

Results to adopt this technology

- Problem of bottle burst, discoloration and burning effect have been resolved
- Quality has been improved

Economics	
Number of Bottles prepared (Rs)	1000
Selling price (Rs)	80
Gross income per year (Rs)	80,000
Cost (Rs)	30,000
Profit (Rs) (12 month)	50,000

Demonstration Unit at KVK, Navsari

- Vermi compost and NADEP compost unit
- Kitchen Garden
- Mushroom Unit
- Azola Unit
- Tube well recharge by building water harvesting
- Fish pond
- Fish aquarium
- Mulching plot
- Organic Cell
- Seed production plot
- Natural Farming plot
- Solar operated irrigation pump facility

Seed produced at KVK, Navsari

Sr. No.	Name of crop		Qty. (Kg)	Income generated (Rs.)
1	Paddy	GR-17	5480	To be sell in Kharif-23
2	Paddy	GR-18	1770	
	Total		**7250**	

Seed Sell in year 2022

Crop	Name of the crop	Name of the variety	Class	Quantity of seed (q)	Value (Rs)
Cereals	Paddy	GNR-3	CS	54.00	168830
		GR-17	FS	19.00	60800
		GR-17 (Kharif-2022-23)	CS	14.50	45240
Pulses	Pigeon Pea	GT-104	CS	15.72	157200
	Black gran	GU-3	TF	2.02	22220
	Green gram	GM-6	TF	1.63	16300
	Indian bean	GNIB-21	-	0.63	18270
Oilseed	Castor	GNCH-1	-	1.80	36900
Commercial	Sugarcane	CON-13072	-	42.15	14332
Fruit	Banana	G-9	-	55.31	110620
Total				**206.76**	**650712**

Saplings produced at KVK, Navsari

Sr.No.	Name of crop	Qty. (no.)	Income generated (Rs.)
1	Brinjal	1290	1290
2	Tomato	2000	1200
3	Chilly	50	30
4	Cabbage	50	30
5	Cauliflower	150	90
6	Dragon Fruit	350	7000
TOTAL			**9640**

Vegetables and other crop produced at KVK, Navsari

Sr.No.	Name of crop	Qty. (kg)	Income generated (Rs.)	Sr.No.	Name of crop	Qty. (kg)	Income generated (Rs.)
1	Brinjal	255.75	5115	**14**	Carrot	114	2280
2	Tomato	263.75	5275	**15**	Cabbage	110	2200
3	Ridge gourd	239	4780	**16**	Drum stick	45 no.	75
4	Sponge gourd	247	4940	**17**	Watermelon	4708	117700
5	Okra	356	7120	**18**	Fish	182	20020
6	Bottle gourd	105.5	2110	**19**	Turmeric	255	6375
7	Indian bean	232	4640	**20**	Green leafy vegetables	5445	28175
8	Bitter gourd	3	60	**21**	Beet	100 no.	250
9	Raddish	1446 no.	3615	**22**	Cauli flower	61	1220
10	Musk melon	450	11250	**23**	Chilly	22.25	445
11	Sweet corn	1906	38120	**24**	Lettuce	351	1755

12	Pointed gourd	17	340	**25**	Choli	18	360
13	Mango	840	63000	**26**	Gram	130	9100
				27	Guvar	38	760
	TOTAL		**150365**		**TOTAL**		**190715**
Grand total = 3,41,080 /- (In word Three Lakh Forty One Thousand Eighty only)							

Inputs availability and Marketing help to the farmers.

Sr. No	Name of Input Marketing through KVK	Qty.
1	Honey	650 Bottle
2	Turmeric powder	100 Packet
3	Gulkand	123 Bottle
4	Rose Water	62 Bottle
5	Garam Masala	139 Packet
6	Tea Masala	126 Packet
7	Hair Oil	265 Bottle

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg/Lit	Value (Rs.)	No. of Farmers	Remarks
Vermi Compost	Vermi Compost	2110 kg	-	-	Use in instructional farm of KVK

(H)Remarkable activities carried out during reporting period

[1]

World pulses day (Date: 10-02-2022)

Pulse and Castor Research Station, and Krsihi Vigyan Kendra, NAU, Navsari jointly organized "World Pulse Day" celebration under the theme Atmanirbhar Bharat-Harnessing potential pulses for import substitution on the occasion of celebrate of "Azadi ka Amrut Mahotsav" to commemorate 75 Years of India's Independence at KVK Navsari on 10/02/2022 in auspicious presence of Hon'ble Vice Chancellor Dr. Z. P. Patel, Navsari Agricultural University, Navsari as president of the function, Dr. V. R. Naik, Associate Director of Research, NAU, Navsari as chief guest of the function. Mrs. Prafullaben Desai, Board of management member, NAU, Navsari and Dr. D. A. Chauhan, Nodal officer (Mega seed) & Unit head, pulses & castor research station NAU, Navsari. about 145

Farmers participated in the events. In his presidential speech Dr. Z. P. Patel, Vice Chancellor NAU, Navsari emphasise on importance and benefits of pulses not only in humankind but also in cropping sequences and soil health. Dr. V. R. Naik, ADR, NAU, Navsari gave information regarding the different repseach activity carried out particularly in pulses crops and varietal development, which resistance to pest and diseases. Mrs. Prafullaben Desai, Board of management member, NAU, Navsari suggest the how to cook the pulses and its benefits on human health. Dr. D. A. Chauhan, Nodal officer (Mega seed) & Unit head, pulses & castor research station NAU, Navsari gave details information regarding the variety developed during last 10 year and its scientific cultivation practices to increase the production and productivity of pluses crop. Pulses Recipe competition was also organized and total 32 farm women participated and Best three participants were awarded based on nutritive value. Stall of pulses crop was also organized to display the seeds of different pulses. More than 145 farmers including scientist participated in the events.

[2]

Farmer shibir (Date : 25/2/2022)

Krishi Vigyan Kendra, NAU, Navsari and Krush Bharati Cooperative Limited, KRIBHCO, Navsari jointly organized the two “Farmer shibir” on Use of biofertilizers in different crops” programme at Champadhara and Ghej villages of Chikhali taluka of Navsari district during the 24th and 25th February, 2022 on the occasion of celebrate of “Azadi ka Amrut Mahotsav” to commemorate 75 Years of India’s Independence. Main purpose of this progaramm was to aware the farmers about the integrated nutrient management practise in crops to not only increased the production and productivity of crops, but also improve or sustain/maintain the soil health and the environment. Senior area manager Shri P. V. Kachhadiya emphasis on degradation of soil health due to judicious and indiscriminate use of chemical fertilizers and pesticides. He also narrated the different

strain and NPK biofertilizer consortia prepared by KRIBHCO. Dr. K. A. Shah Scientist (Agronomy) emphasis on the benefits of organic manure and integrated nutrient and weed management approaches for cultivating the crops. More than 120 farmers and farm women actively participated and aware about to importance of low cost technologies *viz* use of bio-fertilizers and seed treatments.

[3]

Field day on Chick pea (February-2022)

Krishi Vigyan Kendra, NAU, Navsari organized the six "Field Days on Chickpea" programme at different villages of Navsari district during the February, 2022 on the occasion of celebrate of "Azadi ka Amrut Mahotsav" to commemorate 75 Years of India's Independence. Main objective of this progaramm was to disseminate the newly released variety of pulses particularly chickpea and its scientific cultivation practices among farming community to increase the production and productivity of pulses. More than 350 farm women and farmers actively participated and aware about to importance of pulses in cropping system and improvement in the soil health.


[4]

Khedut Shibir on vermicompost and Kitchen garden: Vermibed Distribution (Date: 04-03-2022)

KVK, Navsari organized one day training on kitchen garden, reduction of flower drop in Mango as well as Natural Farming, at Vadsangal village of Gandevi Taluka of Navsari. Distributed 107 vermi compost unit and Kitchen garden kit sponsored by Late Diwaliben Ukabhai Trust Bardoli. In presence of Dr. C. K Timbadia, Director OF Extension Education, Gandevi fruit research Scientist Dr. Ankur and Dr Pravinkumar Modi, Ex Gandevi Nagarpalika Pramukh Sombhai, Sarpanch Minaben Rathod Entrepreneurs Piyushbhai Patel and Dragon fruit farmers Mahulbhai from Duwada were remained present.


[5]

Celebration of International Women Day-2022 (Date: 10-03-2022)

Krishi Vigyan Kendra, Navsari Agricultural University, Navsari, Bureau of Indian standared, Surat and Nehru Yuva Kendra, Navsari jointly organized International Women Day-22 under the theme empowering the women farmers with skill and knowledge. In Presents of Honorable vice chancellor Dr. Z. P. Patel, Navsari, NAU, Dr. C. K. Timbadia, DEE, NAU, Navsari, Mrs. Prafulaben Desai, Board of management, NAU, Navsari, Shri. S. K. Singh, Director and Head, Bureau of Indian standard surat as a guest of honor. Mrs Roshniben Patel, President of Taluka Panchayat, Jalalpor, Mrs. Alpanaben President of Taluka Panchayat, Chikhali, Mrs. Jagrutiben Desai, Vice-president, Vijalpor Nagarpalika, Mrs VarshaRodha, President Nehru Yuva Kendra, Navsari, Mrs. Rishida Thakur, President Tapsya Nari Charitable trust, Navsari, Mrs. Rajshriben Kharadi, District Chairmen of Lions club, Navsari. About 300 farm women were participated the events.

[6]

Vocational training on Vermi composting and composting (Date: 12-03-2022)

Vocational training programme was organized by Krishi Vigyan Kendra, Navsari in collaboration with Baroda Swrojgar Vikash Sanstha, Rural Self Employment Training Institute, Navsari at Village- Kangavai Ta. Chikhali on Composting and Vermi-composting during 11-12/03/2022. Dr. K. A. Shah Scientist (Agronomy) gave detail information regarding the different methods of composting preparation *viz,* Bengalore, Coimbtore, NADEP *etc* and vermin-compost along with importance steps taken in the mind for the preparation of compost. He also practilcal demonstrate the methods of vemi-compost preparation. Total twenty four (24) farm women take actively participated and ask the question to solve their problem for the preparation of vermin-compost

[7]

Celebration of "World Water Day" (Date: 22-03-2022)

Celebration of "World Water Day" was organized under the theme of "Per Drop More Crop" on the occasion of celebrate of "Azadi ka Amrut Mahotsav" to commemorate 75 Years of India's Independence by Krishi Vigyan Kendra, NAU, Navsari to aware the farmers about the importance and efficient utilization of water in agricultural at Village Satimal dated on 22-03-2022. Dr. K. A. Shah Scientist (Agronomy) emphasis on water loss occurs on day to day life and in agricultural crop during the irrigation. He also recommended the use the different method of irrigation *viz.* Alternate furrow method, Check basin method and micro irrigation method in crops for the irrigation purpose not only for saving the water but also improve the water use efficiency, and productivity of crops. He suggested farmer to adopt low water required crops like Green gram, Black gram, Chick pea or other like Seasmum, Rapeseed etc in cropping pattern and use of farm yard manure/ compost to conserve the moisture in soil. More than 60 farm women and farmer take actively participation and realize the importance of water saving techniques.

[8]

Webinar meeting on Mango export to USA with APEDA

KVK, Navsari organized meeting on Mango export to USA with APEDA from Gujarat. Step by step information was providing for mango export to USA. In this meeting, Director of Extension Education Dr. C. K Timbadia was remained present as Chair person. Shri Prashant Waghmare sir (APEDA Maharastra), Shri. Man Prakash Vijay (New Delhi), and many officers of APEDA from other part of India were remained present and provided information.

[9]

Training on composting and vermi composting organic farming **Date: 5-4-2022**

Dr.Kinjal Shah, Scientist (Agronomy) KVK, Navsari gave the training on composting and vermi composting organic farming. More than 20 farmers participated in this program.

[10]

Krishi Mela Pak Parisavad-2022 (Date: 30-04-2022)

Krishi vigyan Kendra, NAU, Navsari and ATMA, Navsari jointly organized " Krishi Mela Pak Parisavad-22" under the theme of Bhagidar Prathmikta Hamari on 30 April-22 at KVK. In present of Dr. Z. P. Patel Hon'ble Vice- chancellor, NAU, Navsari, Shri Amit Yadav, Collectot, Navsari district Shri R. C. Patel, MLA, Jalalpor, Mrs. Arpit Sagar, DDO, Navsari, Mrs. Roshniben, Taluka panchayat pramukh, Vijalpor, Dr. C. K. Timbadia, Director of Extension Education, NAU, Navsari, officers of Agriculture Animal Husbandry, Veternary, Fisheries, Horticulture. In this program organized exhibition on natural farming, Farm mechanization, Best Agriculture Practices and emerging technology for the benefits of the farmers also felicitation of progressive and innovative farmers of the district. More than 388 farmers participated in this program.

[11]

Exposure visit in Natural Farming Date: 16-5-2022

Dr. R. A. Gurjar, Scientist (Horticulture) KVK, Navsari in four days exposure visit in natural farming training. More than 9 farmers participated in this exposure visit.

[12]

Garib Kalyan Samelan Program Date: 31-5-2022

Krushi vigyan kendra, Navsari Agriculture University, Navsari and ATMA yojna Gandhinagar jointly organized "Garib Kalyan Samelan Program" on the occasion of Hon'ble Prime Ministers online interaction with beneficiaries of various scheme/ programmes of the government of India on 31 May 22. In present of Dr.Lalit Mahatma, Associate Director of Research, Navsari Agricultural University, Navsari, ShriDipakbhai Desai, President Navsari district kisan morcha, Smt Ambaben Mahala, Jilapanchayat member, Navsari, Shri Vipul Patel, Nodel officers and ATMA Line department officers. Moreover 270 farmers participated in the events.


[13]

Online webinar on awareness of Natural Farming Date: 13-6-2022

Online webinar on awareness of Natural Farming in joint in webinar in Dr. C. K. Timbadia, DEE, NAU, Navsari, Dr.Kinjal. A. Shah, Scientist (Agronomy), Dr.Sumit Salunkhe, Scientist (Extension Education) NAU, Navsari. More than 25 farmers participated in this webinar.


[14]

ARYA project under Sea Food Hut Program (Date: 20-6-2022)

KrishiVigyan Kendra, NAU, organized inauguration ceremony of ARYA project under Sea Food Hut at Soldhara on 20-6-22. In presence of Hon'ble Dr. Z. P. Patel, Vice Chancellor of NA, Navsari. Chief guest Dr. C. K. Timbadia, DEE, NAU, Navsari,

Dr.Amitaben Patel, Ex- president, Navsari jilla panchayat. An enterpreures unit Sea Food Hut on fish value added product operated by sahadri sakhi mandal and sponsored by ARYA project krishi vigyan kendra, NAU, Navsari has been inaugurated by Hon, ble VC Dr. Z. P. Patel. Tourist at Eco point soldhara will be served Fish sticks, Fish cutlesh, Egg shrimp stick and Fish burger and rural women group will be self employed.

[15]

Celebration of International Yoga day Date: 21-6-2022

Krushi Vigyan Kendra, Navsari in a Celebration of International Yoga day. In present in Dr. C. K. Timbadia, DEE, NAU, Navsari, Dr. K. A. Shah, Scientist (Agronomy), Dr.PrabhuNayaka, Scientist (Plant protection), Dr.Sumit Salunkhe, Scientist (Extension Education). More than 60 farmers and staff participated in this yoga day.

[16]

Khedut Shibir Date: 27-6-2022

Krushi Vigyan Kendra, Navsari Agricultural University Navsari and Central Ground Water Board (CGWB) ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation Government of India jointly organized Khedut Shibir on 27-6-2022 at KVK, training hall in presence of Dr. C. K. Timbadia, DEE, NAU, Vice Chancellor of Natural Farming and Organic Agriculture University.

[17]

Training on vermibed and vermi composting (Date: 26-07-2022)

Dr. Kinjal. A. Shah, Scientist (Agronomy) KVK, Navsari and Dr. Prabhu Nayaka, Scientist (Plant Protection) KVK, Navsari gave the training on vermibed and vermi composting in kangwai village. More than 24 farm women participated in this training.

[18]

Online webinar on awareness “Contingency Plan” (Date: 27-07-2022)

Hon’ble Vice Chancellor, NAU, Navsari Dr. Z.P. Patel preside Online webinar on “Contingency Plan” other dignitaries Dr. N. M. Chauhan, DEE, NAU, Navsari and subject specialist Dr. Prathik Patel Associate Research Scientist MRRS, NAU, Navsari, Dr. Kinjal. A. Shah, Scientist (Agronomy), Dr.Prabhu Nayaka, Scientist (Plant Protection) NAU, Navsari were present. This programme was on top priorities because, morethan 1000 mm rainfall in 20 days till 27/7/22 date this was devastating effect on crop stand. Majorly damage/loss occurs in paddy Nursery and transplanted paddy field in Navsari. You-tube live programme was organized on 27-7-22 under the President ship of Hon’ble Vice Chancellor Dr. Z. P. Patel to aware the farmers about Contingency Crop Planning to overcome the losses occurred due to rain and also plan for the new/alternate crop. Subsequently neighbouring taluka’s farmers also get aware and demanded the same progrmme and KVK organized Shibir in Vansda Taluka in which more than 150 farmers were remain present and benefitted. As a result of these two programmes more than 50 farmers grow new crops viz., Indian bean (GNIB21/22), Blackgram (GB-1), Pigeon pea and again they went on direct seeded paddy

[19]

Parthenium Awareness Week Celebration from 16th to 22nd August, 2022 (Date: 16 to 22-08-2022)

Krishi Vigyan Kendra Navsari Agricultural University, Navsari celebrated the Parthenium Awareness Week during 16th to 22nd August, 2022 at different villages in order to impart the knowledge about the identification, its growth habits and harmful effect of Parthenium on crops, soil, humankind and animals. Farmer are also aware about the it’s controls measure including biological controls and alternate use of it by making the

compost form the parthenium. KVK, Navsari campus also makes free form parthenium during this week and also through the years. Details of different activity carried out during this week's mention bellowed.

Sr. No.	Programm/ Activity	Village	Date	No. of participant	No. of Scientist Involved
1	Identification of Parthenium and it harmful effect on crops	Supa (Kurel)	18/08/22	102	9
2	Identification of Parthenium and it harmful effect on crops	Bhagad	18/08/22	35	1
3	Eradication and removal of parthenium for KVK Campus	KVK campus	20/08/22	22	6
4	Identification of Parthenium and it harmful effect on crops	Dambhar	22/08/22	18	2
	Total (4)			**177**	**18**




[20]

Poshan Rangoli competition *vs* leader Mahila Shibir (Date: 02-09-2022)

This program was organized in collaboration with Lions Club of Navsari under "Azadika Amrut Mahotsav " on the occasion of celebration of " National Poshan Maah" on dated: 02/09/2022 at KVK, Navsari in presidential presence of Dr. N.M. Chauhan, Directorate of Extension Education, NAU, Navsari. He emphasize on women health empowerment through millets diet. There was 29 farm women were participated in "Poshan Rangoli Competition" made by cereals, millets and pulses. First five winners were felicitated with prize. Total 63 leader farm women actively participated in that programme. Objective of this program was prevention of mal nutrition through create awareness about Nutrition and Nutraceutical diet among farm women.

[21]

Candle making skill development training (Date: 12 to 16 - 09-2022)

The ministry of Tribal Affairs (MOTA) has been actively pursuing the Atmanirbhar Bharat Abhiyan through envisioning project and policies that promote self sustenance and are self generating for tribal community of India. In October '2020 MOAA and ASSOCHAM launched the Tribal entrepreneurship development program. A three year long Initiative focused on socio- economic development of tribal group in India for that in context KVK, Navsari was organized 6 days vocational Vs. Skill development training on fency and decorative candle making training for farm women. There was about 35 farm women participated and learnt how to produce commercial based candle production for full fill the large demand for upcoming the Diwali festival. Practical and theoretical guidance was provided by Scientist, Home Science and Senior Scientist and Head, KVK, Navsari.

[22]

National Campaign on Poshan Abhiyan and tree plantation (Date: 17-09-2022)

Krishi Vigyan Kendra, Navsari Agricultural University, Navsari and IFFCO, Navsari jointly organized “National Campaign on Poshan Abhiyan and tree plantation “on 17/09/2022 in presence of Hon’ble Vice chancellor of NAU, Dr. Z. P. Patel, Dr. N. M. Chauhan, Director of Extension Education, NAU, Navsari, Dr. Ruchira Shukla, Principle and Dean, AABM, NAU, Navsari, Mr. Prakash Chaudhari, Field officer, IFFCO, Navsari and more than 100 farmer were actively participated in the program..

[23]

Skill Development Training for Hair Style (Date: 26 to 30 - 09-2022)

KVK, Navsari conducted skill development training on Hair art, hair style for peri-urban youth of Navsari district during 26-30 September -2022. Ms. Tanvi Ambasana International Hair stylist, Surat invited as resource person and she serve the knowledge and Art of various hair style and Hair decoration through both practical and theory. Objectives of training was rural youth empowerment through skill development activities.

[24]

Technology Week Celebration (Date: 1 to 7-10-2022)

Sr. No.	Date	Topic	Place	Total
1	1/10/2022	"Seminar on Tuber crops"	Poly technique horticulture	**87**
2	2/10/2022	"Swatchhata Abhiyan" on the occasion Azadi Ka Amruth Mahotstav	KVK, Navsari	**28**
3	3/10/2022	"Bio-fortification and its benefits on mankind"	KVK, Navsari	**142**
4	4/10/2022	"Millets and their Nutritive value"	Chundha	**219**
5	6/10/2022	"Recycling of Agriculture Wastes-Compost Preparation"	Kurel	**64**
6	7/10/2022	"Popularization of Low cost eco-friendly NAU Technologies"	KVK, Navsari	**122**
Total				**662**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[25]

Method Demonstration on preparation of vermi compost from agriculture waste (Date: 6-10-2022)

Dr. K. A. Shah, Scientist (Agronomy) KVK, Navsari and Dr. Prabhu Nayaka, Scientist (Plant Protection) KVK, Navsari and Dr. N. M. Chauhan, Director of Extension Education, NAU, Navsari in gave the training on vermibed and vermi composting preparation in organic farming. More than 53 farmers participated in this training.

[26]

Training program on formulation of business plan for fisheries (Date: 13-10-2022)

Govt. of India, department of fisheries, ministry of fisheries, animal husbandry and dairy organised training program on formulation of business plan for fisheries enterprises, PMMSY scheme in presence of Dr. N. M. Chauhan, Director of Extension Education, NAU, Navsari, Shri. Sunil kumar, Regional manager, NCDC, Shri. Jayantibhai Kevat, FPO, Chairman, Dr. K. A. Shah, Scientist, Dr. Sumit Salunkhe, Scientist, Krishi vigyan kendra, Navsari Agricultural University Navsari and farmer of Navsari district.

[27]

PM Kisan samman sammelan program (Date: 18-10-2022)

Dr. Sumit Salunkhe, Scientist (Extension Education) KVK, Navsari in participated in program in PM Kisan samman sammelan on 17 to 18 October 2022 at Mela ground, IARI, Pusa, New Delhi. The event brings together more than 2500 farmers from 7 different KVK's of Navsari Agriculture University. 15 farmers from Navsari District viz., Navsari, Tapi and Bharuch along with 3 scientists attended.

[28]

Swachhata Abhiyan Campaign (Date: 1 to 30-10-2022)

KVK, Navsari organized “swachhata Abhiyan campaign” during whole October month for create awareness about swachhta among farmers. KVK promote green technology agriculture waste management during healthy health and hygiene through 10 type swachhata activities. Total 1350 farmers and farm women were actively participated and took swachhata pledge.

Sr. No.	Date	Topic	Place	Total
1	1/10/2022	"Seminar on Tuber crops"	Poly technique horticulture	**87**
2	2/10/2022	"Swatchhata Abhiyan" on the occasion Azadi Ka Amruth Mahotstav	KVK, Navsari	**28**
3	3/10/2022	"Bio-fortification and its benefits on mankind"	KVK, Navsari	**142**
4	4/10/2022	"Millets and their Nutritive value"	Chundha	**219**
5	6/10/2022	"Recycling of Agriculture Wastes- Compost Preparation"	Kurel	**64**
6	7/10/2022	"Popularization of Low cost eco-friendly NAU Technologies"	KVK, Navsari	**122**
7	11/10/2022	Farmers meeting	KVK, Navsari (Farmers from khapariya)	**23**
8	13/10/2022	Swachhta sapath and cleanness of KVK premises	KVK, Navsari	**39**
9	15/10/2022	Celebration of Mahila Kisan Diwash	Kavdej	**221**
10	17/10/2022	PM Kisan sanman diwash (Khedut sammelan)	KVK, Navsari	**405**
Total				**662**

[29]

Jal Shakti Abhiyan

KVK, Navsari under tha Jal Shakti Abhiyan-2022 Organized a training programme to discuss and deliberate upon water conservation and minimizing wastage of water.

Sr. No.	Date	Awareness program Name	Place	Total
1	1/10/2022	Seminar on water conservation technology	KVK, Navsari	87
2	2/10/2022	Swatchhata Abhiyan and recycling of west water and their use in agriculture	KVK, Navsari	28
3	3/10/2022	Kisan Gosthi on rain water harvest management and tube well recharge	KVK, Navsari	142
4	4/10/2022	Khedut shibir on use of micro and drip irrigation system	Chundha	219
5	6/10/2022	Awareness compaign on water conservation	Kurel	64
6	7/10/2022	Kisan gosthi on use and importance of drip irrigation in tuber as well as vegetable crop	KVK, Navsari	122
7	15/10/2022	Celebration of Mahila Kisan Diwash	Kavdej	219
8	2/11/2022	Training on soil and water management	KVK, Navsari	26
9	3/11/2022	Training on drip irrigation for agricultural crop	KVK, Navsari	96
10	4/11/2022	Training on water use efficiency	KVK, Navsari	76
11	5/11/2022	Farmers meeting on drip irrigation for rabi crop	KVK, Navsari	14
			Total	**1093**

[30]

Vigilance Awareness week

Sr. No.	Date	Awareness program Name	Place	Total
1	2/11/2022	Kisan gosthi	KVK, Navsari	26
2	3/11/2022	On Campus Training	KVK, Navsari	96
3	4/11/2022	Khedut shibir	KVK, Navsari	76
4	5/11/2022	On Campus Training	KVK, Navsari	14
			Total	**212**

[31]

Training on scientific cultivation practices of rabi pulses (Date: 04-11-2022)

Dr. Kinjal A. Shah, Scientist (Agronomy) KVK, Navsari gave the training on scientific cultivation practices of rabi pulses. More than 76 farmers participated in this program**.**

[32]

Method demonstration on oyster mushroom cultivation for rural farm women (Date: 29-11-2022)

Vocational training on oyster mushroom cultivation for rural farm women at KVK, Navsari by Dr, Prabhu Nayaka, Scientist (plant protection) KVK, Navsari. More than 36 farmers participated in this vocational training.

[33]

Celebration of Mahila Kisan Day (Date: 15-10-2022)

Mahila Kisan Diwas was organized at kavdej village vansda in collaboration with Cohesion Foundation Trust, Navsari. There were 219 farm women actively participated. New variety of various crops and their package of practices, water conservation technique. Health empowerment through Nutrition diet viz. Subject covered by scientist of KVK awareness about benefits of natural farming. There were stall exhibition seed bank or agricultural technology.

[34]

Celebration of World Food Day (Date: 17-10-2022)

KVK, Navsari organize Celebration of World Food Day on Date: 17/10/2022 at KVK, Navsari. In presence of Hon'ble Vice chancellor of NAU, Dr. Z. P. Patel , Dr. N. M. Chauhan, Director of Extension Education, NAU, Navsari and KVK scientist and staff. More than 404 farmers participated in this program.

[35]

Celebration of World Soil Day (Date: 5-12-2022)

Krishi Vigyan Kendra, Navsari Agricultural University, Navsari organized "World soil Day-22" under the theme of soils, where food begins on 05-12-2022 at KVK, Navsari in presence of Dr. N. M. Chauhan, Director of Extension Education, Navsari, line department staff, ATMA staff and 117 farmer of Navsari district.

[36]

State level seminar on current development in wood science and technology for green economy(Date: 24 to 25-12-2022)

Gujarat Timber merchant federation Gandhinagar and Krishi vigyan Kendra Navsari and College of forestry, NAU, Navsari jointly organised State level seminar on current development in wood science and technology for green economy during 24-25 Dec,2022 at Central examination Hall, NAU Navsari. The inaugural programme was presided by Shri S. K. Chaturvedi, IFS, PCCF and Head of Forest Department, Gujarat, chief guest Dr. Z. P. Patel, Hon'ble Vice Chancellor, NAU, Navsari along with notable dignitaries shri. Nareshbhai Patel, MLA, Gandevi, Shri. R. C. Patel, MLA, Jalalpore, Shri. Rakesh Desai, MLA, Navsari, Dr. N. M. Chauhan, DEE, Navsari, Dr P. K. Shrivastava, Principal and Dean, College of Forestry, NAU, Navsari, Shri. Maniswara Raja, IFS, CCF Valsad Circles. In his chief guest remarks, Dr. Z. P. Patel, Hon'ble Vice Chancellor, NAU, Navsari extolled the transformation of conventional wood technology into consumer driven advanced wood science enterprise. More than 304 scientists actively participated in this seminar.




State level seminar on current development in wood science and technology for green economy

[37]

Visit of Dignitaries at KVK, Navsari

No.	VIPs/ Guests	Designation and Address	Date of Visit	Place of visit	Suggestions/ Recommendation (if any)
1.	Dr. B. Gunakan	Secretary- Akshay Krushi Parivar	18- 4-2022	KVK, Navsari	Nil
2.	Dr.E.Karuna Sree	Principal Scientist & Head, Andha Pradesh	29-4-2022	KVK, Navsari	Nil

3.	Dr. L.Mukunda Dr.D.Shreedhar Dr.Y.Sharatkumar Reddy	Scientist & Head, ARS, Ambajipith	29-4-2022	KVK, Navsari	Nil
4.	Roger Mclelland	Navia Technologies,	9/7/2022	KVK, Navsari	Nil
5	Shri M. M. Patel	Joint Director of Agri. (Ext.) Vadodara	1/10/2022	KVK, Navsari	Nil
6	Shri B.M.Makani	President4 Gujarat Timber Merchant Federation, Gandhinagar	25/12/2022	KVK, Navsari	Nil

Award and Recognition Award

***Dr. N. M. Chauhan, Director of Extension Education** was feliciated by the Hon'ble Vice chancellor Dr. Z. P. Patel gave the "Lifetime Achivement Award" for outstanding contribution in the field of Agricultural Extension.*

***Dr. N. M. Chauhan, Director of Extension Education** was feliciated with the most coveted "Distinguished Scientist Award" for his outstanding contribution in the field of Agriculture Extension on the occasion of VIIth International conference on Global Reserch Initiative for Sustainable Agriculture and Allied during 21-23 November, 2022*

Dr. Kinjal Shah, Scientist (Agronomy)KVK, Navsari conferred Best Extension Scientist Award -2022 by society of Krishi vigyan Kendra

Dr. R A Gurjar Scientist (Horticulture)KVK, Navsari conferred Young Scientist Award -2022 by society of Krishi vigyan Kendra

Shri Alpesh N. Lad, Farm Manager Felicitated by Shri. Raghavji Patel, Agri. Minister, Government of Gujarat. on the occasion of Natural Farming Workshop held at Patidar Samaj Vadi, Surat.

Shri. Natwarlal Somabhai Patel got the "Best Farmer Awared" in the International conference on "System of crop intensification for climate-smart livehood and nutritional security "organized by ICAR –Indian Institute of Rice Research, Hyderabad during December 12-14.2022

Activities carried out under Soil Testing Laboratory in 2022 at KVK, Navsari

Month	Soil samples analyzed in KVK Lab	Water samples analyzed in KVK Lab
January-22	28	4
Februry-22	15	16
March-22	3	8
April-22	10	8
May-22	9	5
June-22	23	4
July-22	18	16
August-22	7	8
September-22	9	5
October-22	3	2
November-22	11	11
December-22	8	14
Grand total	**144**	**101**

Success stories:

Home Science : Value Addition for better income and sustainable livelihood

Name Of The Women Entrepreneur : Smt. Falguniben Maheshbhai Patel
Village: At. Machhad, **Tal** **:** Jalalpore
Dist **:** Navsari
Mo **:** 991387507

Profile			**Thematic area :** Value Addition
Age	:	45 yrs.	**Adoption of technology:** Attended on Campus training on value addition.
Education	:	12th pass	
Occupation	:	Farming	
Marital Status	:	Married	
Farming Experience	:	15 yrs.	
Live Stock	:	2 Buffalo 1 Cow and 3Calves	

Introduction and Problems :

She faced economic crisis due to lack of knowledge and awareness about value addition. Economic crisis day by day increase due to her child's higher education so, she always search of continues sources for economic viability.

Before KVK intervention and KVK contact:

- Lack of knowledge about scientific farming and value addition.
- Due to lack of awareness about value addition of farm produce.
- Not enough source for sustainable income.
- Grew Only kharif crop due to coastal land

KVK intervention:

- She attended many training of value addition of various crop organised by KVK, Navsari like, Masala Making, Hair Oil Making, Tomato Catch-up Making, Mango Preservation Etc.
- She registered her name as active farm leader women in KVK
- After that training she decide to develop her skill and apply her knowledge in develop commercial product.
- Technical Guidance for new Startup.
- Telephonic advisory services.
- Follow-up visits
- Provide technical back-up when required.

After KVK Intervention:

- She Start to prepare different types of chikki like, Till, Peanut, Gram, Rajgira, Khajur, coconut, etc.
- She also got Chikki order from ICDS, Navsari for Complimentary feed provided to pregnant women and adolescent girl.
- She sales various chikki from home according to received order.
- With this business she also busy in various activities like candle making, Decorative diya making, Animal husbandry etc.
- She got 1 Gir cow from Arya samaj Navsari with kiond support of KVK,Navsari for natural

farming.

- She planted 40 mango plant in unused land.
- She spend free time in decorative diva making and candle making activities.

Economic Impact:

- She become able to earn **70000-80000/- Rupees Per year** benefit from value added chikki product and decorative diya.
- She also earn **150000/-** income from farming and animal husbandry.
- Now she is very satisfied with her economic independency.

Horizontal spread: Motivated from her one more farm women group join KVK. Falguniben Share her knowledge and encourage to other women. She provide employment to one more neighbour women.

Successful Case or Success Story of Paddy GNR-7(2022-23)

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released paddy variety

Crop and Variety: Paddy and GNR-7

Name of farmer & Address:

Profile					
Name	**:**	Patel Gauriben Lallubhai	**Age**	**:**	60
Village	**:**	Kukda	**Education**	**:**	7th Pass
Taluka	**:**	Vansda	**Land holding**	**:**	1.8 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	32
Mo. no	**:**	**9909284173**	**Crops grown**	**:**	Paddy, Okra, Chickpea, Vegetables and Indian bean

BEFORE CONTACT WITH KVK

Traditionally she started paddy cultivation about 30 years ago. Every time she used to purchase seeds from the market. Lack of knowledge on scientific cultivation of paddy and other management practices lead her to debt in her farming. Once She contacted KVK for the new variety of paddy that changed her life in farming.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	1 Vingha
Variety	-	Paddy – GNR-7
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	25-30 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	2 time hand weeding

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding variety
- Seed requirement is decreased
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield and early maturing with good cooking quality

Yield (q/ha)	
Demonstration	49.36
Potential yield of variety/technology	55.00
District average	30.00
State average	23.5

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	41.27	47020	89102	42082	1.89
Demonstration	49.36	48890	107605	58715	2.20
% Increase	19.60	3.98	20.77	39.52	16.15

Paddy plot (GNR-7)of Patel Gauriben Lallubhai

Successful Case or Success Story of Paddy GNR-6 (2022-23)

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released paddy variety

Crop and Variety: Paddy and GNR-6

Name of farmer & Address:

Profile					
Name	**:**	Elaben Pravinbhai Gamit	**Age**	**:**	46
Village	**:**	Kukda	**Education**	**:**	10^{th} pass
Taluka	**:**	Vansda	**Land holding**	**:**	2.5 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	24
Mo. no	**:**	**9512684365 9913723905**	**Crops grown**	**:**	Paddy, Pigeon pea, Green Gram and Sugarcane

BEFORE CONTACT WITH KVK

Since more than 23 year back, she is cultivated Paddy traditionally and every year purchases seed and also found pest and disease incidence as a result of this getting low yield hence potential yield is not obtained and the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	1 Vingha
Variety	-	Paddy – GNR-6
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	25-30 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha +100:30:00 kg NPK/ha
Weeding	-	2 time hand weeding

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding variety
- Seed requirement is decreased
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield and early maturing with good cooking quality

Yield (q/ha)	
Demonstration	41.36
Potential yield of variety/technology	50.00
District average	30.00
State average	23.5

Performance of technology

Practice used	**Yield (q/ha)**	**Gross cost (Rs/ha)**	**Gross income (Rs/ha)**	**Net income (Rs/ha)**	**B:C ratio**
Farmer practices	36.73	45320	79300	33980	1.75
Demonstration	41.36	47690	90165	42475	1.89
% Increase	12.61	5.23	13.70	25.00	8.05


Paddy (GNR-6) plot of Elaben Pravinbhai Gamit

Successful Case or Success Story of Paddy GRH-2(2022-23)

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GRH-2

Name of farmer & Address:

Profile					
Name	**:**	Kaushikbhai Chhotubhai Deshmukh	**Age**	**:**	48
Village	**:**	Gholar	**Education**	**:**	10th Pass
Taluka	**:**	Khergam	**Land holding**	**:**	2.5 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	27
Mo. no	**:**	**9723578286**	**Crops grown**	**:**	Paddy, Elephant foot, Chickpea, Vegetables and Turmeric

BEFORE CONTACT WITH KVK

Since more than 10 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area		20 Guntha
Variety		Paddy - GRH-2
Spacing		20*15 cm
Seed Treatment		Thiram 3gm/kg seed at the time of nursery raising

Seed rate		12-15 kg/ha
Nutrient management		Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding		2 time hand weeding

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	53.66
Potential yield of variety/technology	65.00
District average	30.00
State average	23.5

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	47.35	49790	100003	50213	2.01
Demonstration	53.66	50280	114296	64016	2.27
% Increase	13.33	0.98	14.29	27.49	13.18

Paddy (GRH-2) plot of Kaushikbhai Chhotubhai Deshmukh

Successful Case or Success Story of Paddy GRH-2(2022-23)

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GRH-2

Name of farmer & Address:

Profile					
Name	**:**	Hemaben Vimalbhai Gamit	**Age**	**:**	34
Village	**:**	Kharji	**Education**	**:**	7th Pass
Taluka	**:**	Vansda	**Land holding**	**:**	1.8 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	12
Mo. no	**:**	**9913604938**	**Crops grown**	**:**	Paddy, Chickpea, Pigeon pea, vegetables, and Green Gram

BEFORE CONTACT WITH KVK

Since more than 10 year back, She is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area		20 Guntha
Variety		Paddy - GRH-2
Spacing		20*15 cm
Seed Treatment		Thiram 3gm/kg seed at the time of nursery raising
Seed rate		12-15 kg/ha
Nutrient management		Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding		1 time hand weeding

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	52.35
Potential yield of variety/technology	65.00
District average	30.00
State average	23.5

Performance of technology

Practice used	**Yield (q/ha)**	**Gross cost (Rs/ha)**	**Gross income (Rs/ha)**	**Net income (Rs/ha)**	**B:C ratio**
Farmer practices	46.28	48500	97605	49105	2.01
Demonstration	52.35	49730	111506	61776	2.24
% Increase	13.12	2.54	14.24	25.80	11.42

Paddy (GRH-2) plot of Hemaben Vimalbhai Gamit

Successful Case or Success Story of Paddy GNR-3 (2022-23)

Name of KVK: Navsari, Gujarat
Title of intervention: Introduction of high yielding newly released hybrid paddy variety
Crop and Variety: Paddy and GNR-3

Name of farmer & Address:

Profile					
Name	**:**	Shobhanaben Sureshbhai Mahakal	**Age**	**:**	39
Village	**:**	Gholar	**Education**	**:**	6 th Pass
Taluka	**:**	Khergam	**Land holding**	**:**	1.4 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	17
Mo. no	**:**	**9586191052**	**Crops grown**	**:**	Paddy,Chickpea, Vegetables, and Elephant foot

BEFORE CONTACT WITH KVK

Since more than 17 year back, She is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area		20 Guntha
Variety		Paddy – GNR-3
Spacing		20*15 cm
Seed Treatment		Thiram 3gm/kg seed at the time of nursery raising
Seed rate		12-15 kg/ha
Nutrient management		Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding		1 time hand weeding

Institutional Involvement:
Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	48.97
Potential yield of variety/technology	55.00
District average	30.00
State average	23.5

Performance of technology

Practice used	**Yield (q/ha)**	**Gross cost (Rs/ha)**	**Gross income (Rs/ha)**	**Net income (Rs/ha)**	**B:C ratio**
Farmer practices	43.28	46700	93442	46742	2.00
Demonstration	48.97	48680	106755	58075	2.19
% Increase	13.15	4.24	14.25	24.25	9.60

Paddy (GNR-3) plot of Shobhanaben Sureshbhai Mahakal

Successful Case or Success Story of Paddy GR-20 (2022-23)

Name of KVK: Navsari, Gujarat
Title of intervention: Introduction of high yielding newly released hybrid paddy variety
Crop and Variety: Paddy and GR-20

Name of farmer & Address:

Profile					
Name	**:**	Shankarbhai Dhanjibhai Nayak	**Age**		59
Village	**:**	Kakadveri	**Education**		4th Pass
Taluka	**:**	Khergam	**Land holding**		2.3 ha
Dist.	**:**	Navsari	**Farming Experience**		37
Mo. no	**:**	**7574963045**	**Crops grown**		Paddy, Chickpea, Vegetables and Pigeon pea

BEFORE CONTACT WITH KVK

Since more than 37 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area		20 Guntha
Variety		Paddy - GR-20
Spacing		20*15 cm
Seed Treatment		Thiram 3gm/kg seed at the time of nursery raising
Seed rate		12-15 kg/ha
Nutrient management		Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding		1 time hand weeding

Institutional Involvement:
Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	44.23
Potential yield of variety/technology	55.00
District average	30.00
State average	23.5

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	40.08	45800	84168	38368	1.84
Demonstration	44.23	48180	93679	45499	1.94
% Increase	10.35	5.20	11.30	18.59	5.80

Paddy (GR-20) plot of Shankarbhai Dhanjibhai Nayak

Impact of extension activities (Trainings/Demonstration)
Feedback:

Agronomy:

- Increased in knowledge and awareness about new varieties of paddy (NAUR-1, GNR-3, GNR-4,GR-15).
- 81% farmers adopted these new varieties.
- 69% farmers adopted new varieties in gram and Tur crops.
- 21% farmers adopted weed management in sugarcane crop.
- 28% farmers adopted intercrop cultivation in sugarcane crop

- 19% farmers adopted integrated nutrient management technologies.
- 79% farmers shown keen interest in bio-fertilizer, organic manure and green manure.
- 72% farmers adopted yellow vein mosaic resistant variety meha of green gram.
- Increase in income of farmers by 65% adopting sweet corn in tribal region and spread in about 292 ha area.
- Adoption of SRI technologies in paddy and 76% increase in productivity.

Plant protection:

- Increased knowledge of the farmers regarding major insect-pest infestation and its control measure for sugarcane, paddy, mango, sapota, and vegetables.
- Organic and natural farming practitioner are increased in the district
- Number of GOPCA certificate holders are increasing day by day
- Increased awareness of farmers regarding judicious use of pesticide.
- Farmers have realized the importance of bio-control.
- 26% farmers aware about IPDM technology
- Reduced the cost of Plant protection and increased awareness about ill effect of pesticide.
- Farmers are awarded about the importance of healthy seed and seed treatment for reducing seed born diseases.

Home Science:

- Through training on nutrition education, women of adopted villages become conscious about the health of self and their family.
- With the help of training on kitchen garden, farm women have adopted kitchen garden concept at their own backyard.
- Farm women are now preparing mango pulp, jam, and spices at their home rather than buying it from the market.
- Increase value addition skill among farm women
- Farm women become **Atma nirbhar** through Value addition of local farm produce.

Fisheries:

- Increase in grass carp adoption rate in village ponds
- Increase in fish production in village pond fish farming system
- Increase in fresh water prawn fishing capture and Profit using one way trap
- SHG group of women are working well in many villages.
- Fish farming activities have been spread extensively.

Capacity building:

- Enriched the knowledge level of field functionaries.
- Increased convergence among different department through strong coordination with line departments.
- Because of linkages, it became possible to conduct various extension activities.
- Due to the follow-up by the functionaries, demonstration and technologies have become effective.

- In general, the area, production, and productivity increased in the district.

Research need:

S. No	Crop	Feed Back
1	Paddy	• High yielding, medium duration varieties/hybrids. • Less irrigation requirement paddy varieties/hybrids there by reduction in soil salinity & maintenance soil health • Reduce cost of cultivation by developing pest & disease tolerant varieties/hybrids.
2	Pigeon pea	• Development organic pest modules for pigeon pea • Increase in yield. • Develop early maturing and high yielding pigeon pea variety.
3	Sapota	• Keeping quality of sapota fruit • Uniformity in size of the fruit • Weight of fruit.
4	Mango	• Branches of mango or sometime mango plant die in month of September-October. • Stem cracking or bark splitting was found in mango
5	Kitchen garden	• Terrace gardening, Box gardening and hanging pot kitchen gardening popularization. And also availability of vegetables throughout the year on season basis. • To develop new variety of hybrid vegetables.
6	Animal Feed	• Cost of feeding animals to be reduced
7	Fish	• Experiment on common carp need to be conducted
8	Fish	• Experiment on cage culture in big village tanks need to be conducted
9	Organic farming	• Preparation and testing of amrutmitti, amrutjal, jivamrut and panchgavya for different crops • Preparation and testing of herbal pesticide for controlling pests and diseases • Testing of cow dung and cow urine for enhancing growth and controlling pests and diseases • Module for pesticide free productions • Availability of local/Desi • seeds • Develop salt reclamation bio fertilizers.
10	Drudgery reducted technology	• Need to develop and make available regional Women friendly drudgery reduction technology, Farm implements, handtools etc.

Infrastructure development:

- Mini Bus
- Latest multi media/laptop/tablet equipments for effective transfer of technologies should be provided to each and every scientist.
- Strengthening of farmer's hostel with more intake capacity.
- Extension functionaries for effective follow up for technology transfer, impact studies and gaps finding.

Women Empowerment through Group Approach :

- KVK, Navsari successfully create women friendly environment for women Participation. Formate farm women groups in 60 village and groups are lead by 159 farm leader women. Each farm leader women leading the group of 50 farm women member in each village.

Strategies of extension development:

- Identification of leader and capacity build up for effective transfer of technologies.
- Innovative farmers meet.
- Continuous follow up use of latest multimedia technologies and ICT tools in extension activities

Line Department:

Line Departments appreciated the works, extension strategies and stands KVK for agricultural development in the district by collecting feedbacks from innovative and successful farmers and the same has been certified.

Farmers and stake holders:

Farmers are most significant clients for our KVK. KVK along with our team members are living in the heart of farmers. Farmers' success and development are the most prime and urgent tasks for KVK. Innovative, successful farmers and stake holders appreciated and happy with the work pattern, style and treatment extended by KVK and accordingly they certified the same.

Status in the District:

Looking to the transparent, farmers' interested and Agriculture development oriented works and activities being carried out by KVK, The District authorities Hon'ble Executive magistrate & Collector, DDO and other main responsible authorities have appreciated KVK efforts and certified the same. They are also interested to implement many agriculture development projects through KVK. Thus KVK becomes the synonyms of Agriculture development in the district

Overview for KVK development:

For strengthening and extending vast working area with new era of development in agriculture and allied sectors efficiently and accurately active and efficient follow up extension functionaries with latest multimedia operation technologies need to be established.

10.3 Presentation on Action Plan of Janurary-2023 to December-2023

A. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

THRUST AREA	
I.	Crop production management (Paddy, Sugarcane, Vegetables, Pulses , Mango, Sapota, Banana, Flower crops and Fisheries)
II.	Conservation of natural resources
III.	Cost effective techniques for natural resources conservation and soil health
IV.	Arid horticulture development / Diversification of Agriculture
V.	Low cost technology / Input efficient technology
VI.	Organic farming
VII.	Self employment to Rural youth and farm women
VIII.	Women empowerment
IX.	Management of dairy animals
X.	High tech agriculture
XI.	Freshwater fish farming through cages
XII.	Fish value addition
XIII.	Freshwater fish seed rearing
XIV.	Value addition of local farm produce

B. Adopted Villages

Sr.No.	Taluka	Village	Village	Village
Intensive operational area				
1.	Jalalpore	Vedchha	Kanera/Sultanpur	Machhad
2.	Navsari	Boriyach	Kurel/Supa	Bhula Faliya
3.	Gandevi	Rahej	Khapariya	Manekpor
4.	Chikhali	Kangvai	Surkhai	Siyda
5.	Vansda	Godabari	Umarkui	Dholumber
6.	Khergam	Kakadveri	Toranvera	Pati

C. Training Programmes

S.N.	Discipline	Total On campus Training		Off campus training		EF/Inservice training		Vocational training		GT
		No.	Beni.	No.	Beni.	No.	Beni.	No.	Beni.	
1.	Crop Production	12	300	10	250	1	20	1	20	**24**
2.	Horticulture	8	200	8	200	1	20	1	20	**18**
3.	Home Science	8	200	8	200	0	0	1	25	**17**
4.	Plant Protection	8	200	8	200	0	0	1	20	**17**

5.	Extension Education	8	200	8	200	0	0	0	0	**16**
6.	Fisheries	0	0	0	0	0	0	0	0	**0**
	Total	**44**	**1100**	**42**	**1050**	**2**	**65**	**5**	**115**	**92**

D. Frontline Demonstrations

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Kitchen Garden	-	Drudgery reduction technology	Weed management by twin wheel hoe	Rabi-23	-	30	Labour saving per ha.
2	Ragi	Gira	Nutrition Management for women & child	Biofortified variety for nutrient management	Kharif-23	5	25	Introduction of biofortified variety
2	Paddy	Available	IPDM	Introduction of IPDM technologies	Kharif-23	10	20	Improved package of practice
3	Pigeon pea	GT-104	Use of bio pesticides	Use of biopesticide in pest & disease management	Kharif-23	5	10	Introduction of new variety
4	Mango	Available	Fruit fly control	Use of nauroji trap	Rabi-23	5	20	Popularized canopy management
5	Paddy	GNR-7	INM	Varity + seed treatment with bio fertilizer	Kharif	10	50	Reduction in stem borer infestation and increase in yield
6	Paddy	GR-17	INM	Varity + seed treatment with bio fertilizer	Kharif	5	25	Reduction in stem borer infestation and increase in yield
7	Paddy	GNR-6	INM	Varity + seed treatment with bio fertilizer	Kharif	5	25	Reduction in stem borer infestation and increase in yield
8	Paddy	GNR-5	INM	Varity + seed treatment with bio fertilizer	Kharif	5	25	Reduction in stem borer infestation and increase in yield
9	Pigeonpea	GT-104	ICM	Varity + seed treatment with bio fertilizer	Kharif	10	50	Introduction of new variety
10	Chick pea	GG-5	ICM	Varity + seed treatment with bio fertilizer	Rabi	10	50	INM and Increase in yield
11	Greengram	GM-6	ICM	Varity + seed treatment with bio fertilizer	Summer	10	50	INM and Increase in yield
12	Mango	Available	Nutrient management	Novel	Kharif-23	10	50	Improved package of practice
13	Sapota	Available	Nutrient management	Novel	Kharif-23	10	50	Improved package of practice

14	Mango	Bio fertilizer	Available	PSB, KMB, Azto.	Rabi-23	30	100	Improved package of practice
15	Sapota	Bio fertilizer	Available	PSB, KMB, Azto.	Rabi-23	30	100	Improved package of practice
16	Dragon fruit	Red	New Variety	Plant	Kharif-23	0.2	50	Improved package of practice
17	Dragon fruit	White	New Variety	Plant	Kharif-23	0.2	50	Improved package of practice
18	Little guard	GNLG-1	New Variety	Introduction of new variety	Kharif-23	0.01	10	Improved package of practice
19	Pointed guard	GNPG-1	New Variety	Introduction of new variety	Kharif-23	0.01	10	Improved package of practice
20	Turmeric	Amravati	New Variety	Introduction of new variety	Summer-23	0.01	20	Improved package of practice
21	Turmeric	Jyoti	New Variety	Introduction of new variety	Summer-23	0.01	10	Improved package of practice
22	Turmeric	GNT-3	New Variety	Introduction of new variety	Summer-23	0.01	20	Improved package of practice
23	Elephant foot yam	Hemalata	New Variety	Introduction of new variety	Summer-23	0.01	10	Improved package of practice
24	Okra	Purna Rakshak	New Variety	Introduction of new variety	Rabi-23	1	20	Improved package of practice
Total						**161.46**	**850**	

E. On Farm Testing

No.	Particulars	Numbers	Area (ha)/ Farmers
1	Use of Novel Organic Nutrient on Okra	1	6
2	Use of Potassium Nitrate Spray (13-0-45) on Sapota	1	6
3	Micronutrient foliar application to mitigate mango disorder and impact on fruit yield	1	6
4	Bio pesticide Formulation to control pest complex in Brinjal	1	6
5	Assessment of newly released rice variety GR-20	1	6
6	Foliar Nutrient Application on Paddy	1	6

F. Extension Activities (including activities of FLD programmes)

Sr.No.	Nature of Extension Activity	No. of activities
1.	Field Day	5
2.	Kisan Mela	1
3.	Kisan Ghosthi	5
4.	Exhibition	5
5.	Film Show	20
6.	Farmers Seminar	1
7.	Workshop	1
8.	Group meetings	6
9.	Lectures delivered as resource persons	10
10.	Newspaper coverage	10
11.	Radio talks	1
12.	TV talks	1
13.	Popular articles	5
14.	Extension Literature	5
15.	Advisory Services	45
16.	Scientific visit to farmers field	20
17.	Farmers visit to KVK	-
18.	Diagnostic visits	10
19.	Exposure visits	2
20.	Ex-trainees Sammelan	1
21.	Soil health Camp	1
22.	Farm Science Club Conveners meet	1
23.	Self Help Group Conveners meetings	2
24.	Mahila Mandals Conveners meetings	2
25.	Celebration of important days (specify)	7
26.	Krishi Mohostva	1
27.	Pre Kharif workshop	1
28.	Pre Rabi workshop	1
29.	Any Other (Specify)	-
	Total	**170**

10.4 Presentation of Budget Position

Utilization of KVK funds during the year 2022 (January-2022 to December-2022)

S. No.	Particulars	Sanctioned (Lakh)	Released (Lakh)	Expenditure (Lakh)
1	Pay & Allowances	-	125.31	94.10
2	T.A	-	0.70	0.18
3	Recurring Contingencies	-	8.44	9.00
4	Non-recurring Contingencies	-	-	-
5	Vehicle	-	-	-
6	Library	-	-	-
	Total		**134.45**	**103.28**

Status of revolving fund (Rs. in lakhs) (January-2022 to December-2022)

Opening balance as on 1st April	Income during the year	Expenditure during the year	Closing balance
923369	988664	1137327	774706

10.5 Suggestions and discussion to make Krishi Vigyan Kendra, Navsari more effective

1) Timely grant should be released.
2) Need of minibus for training purpose.
3) Need of Farm equipments for farm development.
4) Need of infrastructure facilities like Training Hall and more capacity of hostel.
5) Laptop and computers as all facilities became old and take more maintenance.