Annual Progress Report
2021

KRISHI VIGYAN KENDRA

Navsari Agricultural university,

Eru Char Rasta

Navsari-396450

Gujarat

ICAR-ATARI, Pune
DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2021
(January 2021 to December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
	Office	FAX		
Krishi Vigyan Kendra Navsari Agricultural University Eru Char Rasta Navsari-396 450 Gujarat	(02637) 282009	(02637) 282008	kvknavsari@yahoo.com kvknavsari@nau.in	www.kvknavsari.in

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

Address	Telephone		E mail	Website address
	Office	FAX		
Directorate of Extension Education, Navsari Agricultural University Eru Char Rasta Navsari-396 450 Gujarat	(02637) 282706	(02637) 282706	dee@nau.in	www.nau.in

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. C. K. Timbadia	9825386435	9725006012	cktamreli@yahoo.com

1.4. Date and Year of sanction: 2006

1.5. Staff Position (as on December, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
					Current Pay Band	Current Grade Pay	Date of joining	
1.	Senior Scientist and Head	Dr. C. K. Timbadia	9725006012, 9825386435	Ext. Edu.	131400-217100	15230 0	03.07.06	Permanent

2.	Scientist	Dr. K. A. Shah	9429251809, 8511187252	Agronomy	68900-205500	70900	06.02.12	Permanent
3.	Scientist	Dr. P. H. Nayaka	9662616933	Plan Protection	68900-205500	68800	23.5.13	Permanent
4.	Scientist	Smt.Nital N.Patel	8128681276, 9586902216	Home Science	57700-182400	68800	02.01.14	Permanent
5.	Scientist	Prof. R.A. Gurjar	9574545436, 9265990642	Horticulture	57700-182400	68800	08.01.13	Permanent
6.	Scientist	Dr. S. R. Salunkhe	9921398237, 9714891589	Ext. Edu.	57700-182400	66800	12.08.15	Permanent
7.	Programme Assistant	Pradipbhai G. Rathwa	9913957568, 8140523849	Agronomy	38090	38090	20.08.20	Fix
8.	Computer Programmer	Mr. C. B. Naik		-	39900-12660	49000	14.08.08	Permanent
9.	Farm Manager	Mr. A. N. Lad	8128699058, 9429275832	Soil science	39900-12660	44900	20.10.11	Permanent
10.	Accountant/office Superintendent	Hemantbhai K. Patel		Senior clerk				Permanent
11.	Stenographer	**Vacant**	-	-	-	-	-	-
12.	Driver Cum Mechanic1	Shri H.Z. Chauhan	9998012257, 7046304221	-	19900-63200	26000	23.8.07	Permanent
13.	Driver Cum Mechanic 2	**Vacant**	-	-	-	-	-	-
14.	Supporting staff 1	Sanjaybhai Parmar	7698710116	-				
15.	Supporting staff 2	**Vacant**	-	-	-	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	550 sq. m.
2.	Under Demonstration Units	-
3.	Under Crops	19.45
4.	Horticulture	-
5.	Pond	1.00 ha
6.	Others if any (Specify)	-

1.7. Infrastructural Development:

A) Buildings

Sr. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	30-11-08 20-7-10	550 sq.m.				
2.	Farmers Hostel	ICAR		-----				
3.	Staff Quarters (6)	ICAR	2012	-				
4.	Demonstration Units (2)	-	-	-				
5	Fencing	-	-	-				
6	Rain Water harvesting system	Constructed under RKVY Project (37000 litre capacity)						
7	Threshing floor	ICAR	-	-	1.44			
8	Farm godown	ICAR	-	-	3.88			
9	ICT lab	RKVY	2009	-				
10	Other							
11.	Farm godown	State Plan Scheme	March-14	-	5.00 lakh			
12.	Farmer's urinal	State Plan Scheme	March-17	-	5.00 lakh			
13.	Block Paving	State Plan Scheme	March-17	-	2.00 lakh			
14.	Seed hub godown	ICAR	March 18		35.00 lakh			
15.	Fish Pond	State Plan Scheme	March-18	-	2.25 lakh			
16.	Vehicle Shed	State Plan Scheme	March-18	-	3.80 lakh			
17.	Road Expansion	State Plan Scheme	March-18	-	4.00 lakh			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2006	4,50,000/-	254639	Replacement is highly needed
New Bolero Jeep	2020		13500	Good
Tractor	2006	4,15,000/-	-	Good
Power tiller with all accessories	2011	1,46,475/-	-	Good
Power tiller trailer	2011	26,500/-	-	Good

Bajaj Discover	2011	49,800/-	66184	Good
Tempo Traveler	--	--	-	Good
Qualis	--	--	362539	Good
Mobile soil testing Van	2008	26,30,000/-	--	Replacement is highly needed

C) Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
(a) Office equipments			
Under KVK			
Toshiba Xerox machine	2007	60,000/-	Replacement is needed
Printers	2008	21,650/-	Replacement is needed
Summit analytical balance	2011	97,020/-	Good
Precision balance readability	2011	12,128/-	Good
Sonar make Willy grinder	2011	24,236/-	Good
Sonar make laboratory Oven	2011	17,260/-	Good
LG refrigerator	2011	17,295	Good
Laboratory hot plate	2011	15,929/-	Good
Systronics flame photometer	2011	42,525/	Good
Systronics pH system with electrode & temp. prob.	2011	13,800/-	Good
Systronics Conductivity meter	2011	14,800/-	Good
Systronics digital spectrometer	2011	90,100/-	Good
REMI make Rotary shake brusher	2011	50.000/-	Good
Muffle furnace	2011	32,201/-	Good
Photocopier	2017	1,50,000/-	Good
RO water purified (100 li.) with cooler	2017	79,600/-	Good
Nikon copier digital camera (P-900)	2017	29,650/-	Good
Nikon copier digital camera (S-7000)	2017	9,.850/-	Good
Under RKVY project			
Nikon model SLR camera	2009	48,600/-	Replacement is needed
Sony digital camera	2009	19,038/-	Replacement is needed
Sony 45E handy cam	2009	19,991/-	Replacement is needed
Autoclave vertical	2009	89,000/-	Good
B.O.D. incubator	2009	1,35,300/-	Good
Laminar air flow	2009	85,900/-	Good
Sartorius analytical balance	2009	80,000/-	Good
Sartorius top loading balance	2009	21,000/-	Good
REMI make centrifuge	2009	38,800/-	Good
Systronics make flame photometer	2009	41,900/-	Good
Systronics make pH system with electrode	2009	19,100/-	Good
Systronics make conductivity TDS meter	2009	18,900/-	Good
Systronics spectrophotometer	2009	2,90,100/-	Good
Nitrogen distillation unit	2009	2,35,000/-	Replacement is needed
Himedia make colony counter	2009	17,668/-	Good

Himedia make automatic loop sterilizer	2009	12,908/-	Good
MSW-452 “MAC” stone bottle dust cover	2009	44,800/-	Good
Rotary flask shaker	2009	25,800/-	Good
LG A.C.	2009	20,000/-	Good
Automic absorption spectrophotometer	2009	5,75,000/-	Replacement is needed
LG refrigerator (290 lit.)	2009	16,521/-	Replacement is needed
Microscope	2009	9,550/-	Good
Photomicrography	2009	4,500/-	Good
Stereo microscope	2009	4,900/-	Good
Stereo microscope with magnification	2009	4,900/-	Good
R.O. plant (25 LPH) with cooler	2010	38,500/-	Replacement is needed
Generator 15 kva	2010	2,00,000/-	Good
R.O. plant (25 LPH)	2010	15,500/-	Replacement is needed
R.O. plant (25 LPH) with cooler	2010	38,500/-	Replacement is needed
Printer CANON	2010	13,100/-	Replacement is needed
LG A.C. (1.5 ton)	2010	1,05,600/-	Replacement is needed
Milk analyzer	2011	1,50,000/-	Good
Laser printer Canon 3 in 1	2011	13,000/-	Replacement is needed
Weighing scale - 100 kg	2011	7000/-	Replacement is needed
LG refrigerator 548 ysx4	2011	40,947/-	Good
Generator 35 kva	2012	6,06,205/-	Good
(b) Farm Equipments			
Under KVK			
Tractor Trailer	2006	85,000/-	Good
Cultivator (Fixed type)	2006	14,000/-	Good
Submersible pump set	2008	24,474/-	Good
Power Sprayer	2010	23,090/-	Good
Paddy winnower fan	2010	26,500/-	Good
Monoblock electric fan	2011	6,900/-	Good
Multi crop seed cum fertilizer drill	2011	45,000/-	Good
Multi crop thresher	2011	1,40,000/-	Good
Rotavator	2017	85,000/-	Good
Garden tools (cutter)	2017	64,700/-	Good
Under RKVY project			
CHAFF cutter with accessories	2011	2,05,941/-	Good
Feed pellet ting machine	2011	10,51,859/-	Replacement is needed
Topland Diesel engine	2012	31,900/-	Good
Audio Visual Aids			
Under KVK			
“PROTON Impact 65 T” In built P.A. System with speaker with cordless microphone	2010	17,800/-	Replacement is needed
PROTON Enson EM 310 Boundary mike	2010	4,361/-	Replacement is needed
VIVITEK multimedia DLP	2010	99,990/-	Replacement is needed

projector (No.-2)			
Lenovo Desk top	2010	50,356/-	Replacement is needed
View sonic multimedia projector	2017	75,050/-	Good
Ahuja portable combo amplifier with accessories	2017	63,402/-	Good
Presentation digital podium	2017	1,49,800/-	Good
Under RKVY project			
Sony multimedia projector	2009	1,30,476/-	Replacement is needed
Motorized screen	2009	24,762/-	Good
Samsung LCD TV	2009	54,783/-	Replacement is needed
Dell Laptop	2009	1,57,520/-	Replacement is needed
dB UHF hand held wireless mic	2009	29,700/-	Replacement is needed
dB UHF Tie pin wireless mic	2009	9,850/-	Replacement is needed
Speech reinforcement sound system with accessories	2009	47,619/-	Replacement is needed
Sony EX50 multimedia projector	2009	62,857/-	Replacement is needed
Data processor Note book (Laptop)	2011	23,000/-	Replacement is highly needed

1.8. Details of SAC meeting conducted in the year:

Date	Name and Designation of Participants	Salient Recommendations	Action taken
25/01/2022	Dr.Z.P.Patel	Hon. Vice-Chancellor, NAU, Navsari.	Chairperson
	Dr. C.K.Timbadia	Directorate of Extension Education, N.A.U., Navsari.	Member
	Dr. Lakhan Singh	Director, ICAR- ATARI, Zone-VIII, College of Agriculture Campus, PUNE - 411005 (Maharastra)	Member
	Dr. T. R. Ahalavat	Directorate of Research, N.A.U., Navsari.	Member
	Dr. V.R.Naik	Associate Director Research NAU, Navsari	Member
	Dr. P.K.Shrivastav	I/C Principal, ASPEE College, NAU, Navsari	Member
	Dr. N.B.Patel	Scientist (LRS), NAU, Navsari	Member
	Dr. R.V. Borichangar	Associate Professor, College of Fisheries Science, NAU, Navsari	Member
	Dr.Atul Gajera	District Agriculture Officer, Dist. Navsari	Member
	Mr.B.K. Rai Samant	Assistant General Manager, NABARD, Navsari	Member
	Dr. Dineshbhai Padaliya	Deputy Director of Horticulture, Dist. Navsari	Member
	Mr. Uttam Patel	Exe. Eng. (Drainage), Ambika Division, Dist. Navsari	Member
	Dr. D.B.Thakur	Deputy Director of Animal Husbandry, Dist. Navsari	Member
	Shri C.R.Patel	PD, ATMA, Navsari	Member
	Mr. Mohit Sangani	Assistant Director of Fisheries,	Member

		Dist. Navsari	
	Shri. Hemantbhai Patel	Progressive Farmer, Village-Sadlav, Ta.Navsari	Member
	Smt.Madhuriben Patel	Progressive Farm Woman, Village- Vasan, Ta.Gandevi	Member
	Shri Surajbhai D. Savalia	Agri-entrepreneur, Village : Ganesh Sisodra, Dist : Navsari.	Member
	Shri P. R. Barot	Lead District Manager, Navsari	Member
	Dr. C.K. Timbadia	Senior Scientist & Head, KVK, Navsari	Member Secretary
	Shri Praganeshbhai Naik	Progressive Farmer, Village-Mohanpur, Ta-Jalalpore	Member Invitee
	Shri Belaben Patel	Progressive Farm Woman, Village- Abrama, Ta-Jalalpore	Member Invitee
	Shri Dharmeshbhai Rakholiya	Convener of LAC & Director BSVS, RSETI-Navsari	Member Invitee
	Mrs. Rishida Thakor	Tapsya Nari Charitable Trust, Navsari	Member Invitee

2. DETAILS OF DISTRICT / JURISDICTION AREA OF KVK

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

S. No	Farming system/enterprise
1.	Agri - horticulture system
2.	Agri - horti- silviculture system
3.	Agri - horti- livestock production system
4.	Horti- livestock production system
5.	Horti- livestock - inland aquaculture production system

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

a) Soil type

Sr. No.	Agro-climatic Zone	Characteristics
1	South Gujarat Heavy Rainfall Zone	Rainfall: 2500 mm and more Type of Soil: Deep black with few patches of coastal alluvial, laterite and medium black soils. Soil Characteristics : Most of the area cultivated ,some area non Cultivated under sallow and Past forest Soil fertility: Nitrogen-poor, Phosphorus medium, Potash High.

b)Topography

S. No.	Agro ecological situation	Characteristics
1	AES-I	Undulating, fine textured, shallow to medium depth, high to very high rainfall-rain fed, paddy, hill millet and pulses zone.
2	AES-III	Leveled, fine textured, deep, medium depth, rainfall-partly-irrigated, paddy, pulses, sugarcane, Mango, sapota zone
3	AES-IV	Leveled, fine textured, deep, salt affected, low rainfall, irrigated-paddy, sugarcane-wheat zone

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Clay, deep	Moderately drained	Navsari
2	Clay, clay loam, moderately deep	Moderately to poorly drained, salt affected	Jalalpore
3	Clay, clay loam, deep	Moderately to poorly drained, salt affected	Gandevi
4	Clay, silty clay, shallow, loamy, deep	Well drained, undulating, erosion affected	Chikhli
5	Clay, silty, loamy, shallow	Well drained, moderate to strong undulating, erosion affected	Vansda

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
Field crops (Kharif Crops)				
1	Paddy (Irri)	53047	204643.66	38.57
2	Paddy (un irri.)	0	0	0
3	Sorghum	18	27.35	15.19
4	Ragi	0	0	0
5	Black gram	334	201.97	6.04
6	Pigeon pea	582	576.49	9.90
7	Groundnut	0	0	0
Field crops (Rabi/Summer Crops)				
9	Sugarcane	15720	1130110.8	718.9
10	Rabi Sorghum	211	245.82	11.65
11	Gram	2602	4080.33	15.68
12	Maize	123	309.77	25.18
13	Wheat	91	297.29	32.67
14	Mustard	01	1.93	19.32
Horticultural crops				
Fruit Crops				
15	Mango	33504	294835	88
16	Sapota	8132	101894	125.3
17	Ber	5	42	84
18	Banana	3183	176657	555
19	Guava	2	26	130
20	Papaya	414	26165	632
21	Cashew Nut	340	316	9.29
22	Coconut	599	5062	84.50
Vegetable crops				
23	Onion	92	1601	174.02
24	Brinjal	3070	60356	196.59
25	Cabbage	223	5136	230.31
26	Okra	6617	83970	126.90
27	Tomato	192	4378	228.02
28	Cauliflower	127	2484	195.59
29	Cluster bean	762	7498	98.39

30	Cowpea	892	7154	80.20
31	Cucurbits	10962	191638	174.82
Fisheries				
1	Pegasus catfish	83 ha. ponds and 2500 cages	6062	125

2.5. Weather data (2021)

Month	Rainfall (mm)	Temperature (^{0} C)		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January-21	0.0	30.4	13.9	87	56
February-21	0.0	33.5	14.3	84	39
March-21	0.0	37.3	16.4	83	36
April-21	0.0	36.1	21.5	91	57
May-21	144.0	35.2	24.7	87	64
June-21	384.0	32.6	24.5	89	81
July-21	423.0	31.3	24.7	90	84
August-21	170.0	30.6	23.4	92	81
Sepetmber-21	493.0	30.6	22.9	97	89
October-21	18.0	33.9	20.1	90	70
November-21	11.0	33.7	18.3	75	43
December-21	66.0	29.3	14.7	91	55
Total	**1709.0**	-	-	-	-

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

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

Category	Population	Production	Productivity
Cattle			
Crossbred	95594	89230 tones	NA
Indigenous	60725	19630 tones	NA
Buffalo	102142	69620 tones	NA
Sheep	3000	4 metric tones	NA
Goats	87207	3390 tones	NA
Pigs	369	NA	NA
Crossbred	NA	NA	NA
Indigenous	NA	NA	NA
Rabbits	NA	NA	NA
Poultry			
Hens	245300	129.72 lakhs	NA
Desi	189800	447.79 lakhs	NA
Category		Production (Q.)	Productivity
Fish (Reservoir)			
Marine	53 km	17191 MT	-
Inland	412.06 ha	269 MT	652.8 kg/ha
Scampi	735 ha.	65 MT	88.4 kg/ha
Shrimp	845 ha.	796.7 MT	942.8 kg/ha

2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Navsari	Navsari	Posara Vada Kachhol	-Paddy -Sugarcane -Spider lily -Vegetables -Mango -Sapota - Animal Husbandry -Fisheries	1. Injudicious use of fertilizer, pesticides and Irrigation water and other inputs 2. Difficulty for timely availability of certified seed and planting materials 3. Less availability of labours at the time major agricultural operations during crop seasons 4. No seed treatment in any crop 5. Heavy infestations of weeds 6. Traditional Management of animals 7. Aquatic weed infested village ponds availability 8. Lack of knowledge & scientific information regarding fish feeds & nutrition	1. Fertilizer, weed and Irrigation water management. 2. Pests and disease management 3. Soil health conservation 4. Integrated farming 5. Seed production 6. Scientific management of livestock 7. Disease management in animals 8. Composite fish culture 9. Water quality management 10. Value addition

Jalalpore	Jalalpore	Dambhar Abrama Bhutsad	-Paddy -Sugarcane -Wheat -Mango -Sapota -Vegetables -Animal Husbandry -Fish culture	1. Frequent flooding of farms during rainy season. 2. Coastal area salinization. 3. Injudicious use of fertilizer, pesticides and Irrigation water 4. Old orchard of mango and sapota 5. Less knowledge about tuber crops. 6. No Crop rotation. 7. Traditional Method of kitchen garden 8. Nutrition deficiency in animals. 9. No deworming in animal 10. Lack of knowledge & scientific information regarding fish feeds and nutrition	1. Orchard management 2. Soil health conservation. 3. IPDM 4. Integrated farming 5. Water Harvesting and storage 6. Cropping system 7. Production technology 8. Feed management in animals 9. Health management in animals 10. Fish nutrition 11. Fish disease management 12. Value addition 13. Kitchen gardening
Gandevi	Gandevi	Undhch Mohanpore Kachholi	-Paddy -Pulses -Mango -Sapota -Sugarcane -Vegetable -Animal Husbandry - Fishing	1. Lack of knowledge of pruning 2. Less availability of labors at the time major agricultural operations during crop seasons. 3. Injudicious use of fertilizer, pesticides and Irrigation water 4. Heavy infestations of weeds. 5. No crop rotation 6. No knowledge on orchard management. 7. Lack knowledge on ornamental crops 5. Mismanagement of calf 8. Lack of knowledge about production of quality animals 9. Lack of skill for conducting fish farming 10. Reduction in quantity of fresh water prawn	1. Soil health conservation 2. Crop diversification 3. Seed Production 4. Nutrient use efficiency 5. Production technology on ornamental crops 6. Pests and disease management 7. Rejuvenation of old orchards 8. Cultivation of fruits 9. Scientific calf rearing 10. Fish culture in village pond 11.Women and child care 12. Methods of prawn culture

Chikhli	Chikhli	Talavchora Degam Agasi	-Paddy -Gram -Green gram -Sugarcane -Mango -Sapota -Tubers -Vegetable -Livestock -Fish	1. Injudicious use of fertilizer & pesticides 2. Lacking in production technology of tuber crops 3. Less availability of labours at the time major agricultural operations during crop seasons 4. Heavy infestations of weeds 5. Severe Snail problem during Kharif season 6. Traditional calf rearing 7. Nutritional deficiency in animals 8. Weed infested shallow village ponds	1. Fertilizer, weed and Irrigation water mgmt. 2. Organic farming 3. Mechanization of agricultural operations 4. Production technology 5. Value addition in tuber crops 6. Seed treatment 7. IPDM 8. Soil health conservation 9. Water harvesting & recharge 10. Scientific calf rearing 11. Quality animal products 12. Fish culture method 13. Agriculture marketing

Vansda	Vansda	Satimal Kukda Kureliya/ kelkutch	-Paddy -Pulses -Mango -Sapota -Pointed gourd - Little gourd -Vegetables Animal Husbandry -Fishery	1. Irrigation shortage during summer season 2. Injudicious use of fertilizer, pesticides. 3. High incidence of pests and diseases in vegetable crops. 4. No knowledge about cropping system 5. Lack knowledge on protective cultivation 6. No availability of seed and seedling materials 7.Taditional methods of rearing animals 8. No deworming in animals 9. No awareness on Fish culture species 10. Weed infested village pond	1. Organic farming. 2. Water Harvesting and storage. 3. Integrated farming 4. Pests and disease management 5. Soil health conservation 6. Crop diversification 7. Disease management in animals 8. Feed management in animal 9. Fish stocking & Fish composition rate 10. Pond water quality management 11.Women empowerment
Khergam	Khergam	Gholar Bahej Chimanpada	-Pointed gouard -Vegetables -Animal Husbandry	1. Fragmented land holding 2. Poor financial status of farmers 3. Low productivity of milk animals	1. Mix farming concept (Agri.+Horti.+livestock)

2.8. Priority thrust areas:

Thrust area	
Soil health conservation	Kitchen gardening
Integrated farming	Seed treatment
Seed production	Fish culture method
Scientific management of livestock	Organic farming
Quality feed management for animal	Crop diversification
Value addition	Feed management in calf
IPDM	Disease management in animals
Cropping system	Fish stocking & fish composition

3. TECHNICAL ACHIEVEMENTS

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

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
6	5	36	42	350.9	386.12	1948	3299

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
85	140	2669	5087	174	576	7218	22420

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
85	196.78	13500	9142

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
7000	2714	-	-

3.1. B. Operational areas details during 2021

S. No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1.	Fish Farming	inefficient utilization of available water resources such as village tanks and khet talavadi and low production per unit area	200 ha.	Aat,Onjal,Matvad,Kothamadi,Pitha,Dandi,Ancheli,Nandarkha, Kamboya, Soldhara, Chijgam, Kanera	FLD and Training
2.	Paddy	Lack of scientific knowledge of seed treatment, use of bio fertilizer and integrated nutrient management, low yield	21400 ha.	Mandir,Hansapore,Mohanpur, Abarama,Chimanpada, Dharampuri, Sara, Kelkuch, Kukda, Gholar,Vedchha, Dambhar, Mogravadi	FLD and Training & Extension activity
3.	Pigeon pea	Lack of scientific knowledge of seed treatment, use of bio fertilizer and land configuration	700 ha.	Mandir,Hansapore,Mohanpur, Abarama,Chimanpada, Dharampuri, Sara, Kelkuch, Kukda, Gholar,Vedchha, Dambhar, Mogravadi	FLD and Training & Extension activity
4.	Chick pea	Lack of scientific knowledge of scientific cultivation & newly released recommended variety	638 ha.	Mandir,Hansapore,Mohanpur, Abarama,Chimanpada, Dharampuri, Sara, Kelkuch, Kukda, Gholar,Vedchha, Dambhar, Mogravadi	FLD and Training & Extension activity
5.	Green gram	Lack of scientific knowledge of scientific cultivation & newly released recommended variety	278 ha.	Mandir,Hansapore,Mohanpur, Abarama,Chimanpada, Dharampuri, Sara, Kelkuch, Kukda, Gholar,Vedchha, Dambhar, Mogravadi	FLD and Training & Extension activity

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2021, Rabi 2020-21, Summer 2021)

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	1	-	1	-	-	-	2
Varietal Evaluation	1	-	-	-	-	-	-	-	-	1
Integrated Pest Management	-	-	-	-	1	-	-	-	-	1

Integrated Crop Management	-	-	-	-	1	-	-	-	-	1
Total	**1**	**-**	**-**	**1**	**2**	**1**	**-**	**-**	**-**	**5**

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Production and Management	-	-	-	-	1	1
TOTAL	**-**	**-**	**-**	**-**	**1**	**1**

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
Varietal Evaluation	Paddy	New Variety in hybrid rice GRH-2	1	6	
	Sugarcane	Use of Liquid Consortia NPK-1(KRIBHCO Polyculture) In Sugarcane Crop.	1	6	
	Brinjal	New variety in Brinjal (NSRP 1)	1	6	
Integrated Pest Management	Chilly	Sucking pest management in chilly	1	6	
Integrated Crop Management	Mango	Use Of Liquid Consortia NPK-1 (KRIBHCO Polyculture) In Mango Crop.	1	6	
Total			**5**	**30**	

B.2. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Production and management	Fisheries	To assess the stocking density of fingerlings (Catla, Rohu, Mrigal and Grass carp) for production of stunted yearlings in cage culture system	1	10
		Total	**1**	**10**

C. 1.Results of Technologies Assessed

OFT-1

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Paddy	Rain fed	Lack of knowledge about hybrid rice which are low yielding as compare to hybrid rice	Assessment of newly released hybrid rice variety GRH-2	6	US-312/6444	Panicle length (cm)	25.5	T_3 treatment found higher yield with maximum net return and B: C ratio	Hybrid variety release by University having higher yield and lower seed price	--	--
					GR 17/ NAUR-1	Panicle length (cm)	26.1				
					Hybrid rice GRH-2	Panicle length (cm)	27.7				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	Private company technology	4836	kg/ha	52777	**2.06**
Technology option 2	Navsari Agricultural University technology	4349	kg/ha	43602	**1.92**
Technology option 3	Navsari Agricultural University technology	5184	kg/ha	62261	**2.30**

OFT plot of Paddy GRH-2 Village:- Limzar

OFT plot of Paddy GRH-2 Village:- Chundha

OFT-2

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feed back from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Sugarcane	Irrigated	Lack of Knowledge about the liquid consortia NPK-1(KRIBHCO Polyculture) (NCOF, Ghaziabad)	Use of Liquid Consortia NPK-1(KRIBHCO Polyculture) In Sugarcane Crop.	6	T1:- Farmers practice	Cane height (cm)	261.6	T_2 treatment found higher yield with maximum net return and B: C ratio	Use of bio-fertilizers helps in achieving higher yield and leaves of plant alos remain green for longer period	--	--
					T2:- PSB, Azoto, KMB 2 lit/ha at 30 DAS & 90 days soil	Cane height (cm)	280.5				
					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	Cane height (cm)	272.8				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
T1:-Farmers practice	--	627.23	q/ha.	120213	**2.49**
T2:- PSB, Azoto, KMB 2 lit/ha at 30 DAS & 90 days soil	Navsari Agricultural University technology	749.89	q/ha.	157664	**2.92**
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	722.76	q/ha.	149583	**2.83**

OFT Plot of Sugarcane Village:-Bodali

OFT Plot of Sugarcane Village:-Abrama

OFT-3

Crop / enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Chilly	Irigated	Lack of knowledge of seed treatment and injudicious use of pesticides are the main case of pest resurgence	Sucking pest management in chilly	6	Indiscriminate use of pesticide(Cypermethrin +spiromesifen+indoxarb) (Farmer's practice)	Avg. no of thrips/leaf	3.47 (1.99)	10.87 q/ha.	Biopesticides and biorationals are good in managing the sucking pests and also economical compare to chemical faming	-	-
					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	Avg. no of thrips/leaf	1.93 (1.52)				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
Indiscriminate use of pesticide(Cypermethrin +spiromesifen+indoxarb) (Farmer's practice)	Farmers technology	9.2	q/ha	143120	**2.07**
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	10.87	q/ha	203970	**2.67**

OFT Plot of Visit

OFT Plot of Visit

OFT-4

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feed back from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Brinjal	Irrigated	Lack of knowledge of seed treatment and injudicious use of pesticides are the main case of pest resurgence	New variety in Brinjal (NSRP 1) (Recommendation year-2016)	6	Farmer practice (Local available variety)	No. of Plant /Fruits	43	T_3 treatment found higher yield with maximum net return and B: C ratio	Hybrid variety release by University having higher yield and lower seed price		
					NSRP-1 Brinjal		48				
					NSRP - 1 Brinjal + Novel spray	No. of Plant /Fruits	51				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
Farmer practice(Local available variety)	NAU Navsari Gujarat	292	q/ha	227000	**4.24**
NSRP-1 Brinjal		302	q/ha	237000	**4.54**
NSRP - 1 Brinjal + Novel spray		322	q/ha	253000	**4.66**

OFT Plot of Visit

OFT Plot of Visit

OFT-5

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Mango	Irrigated	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.	Use Of Liquid Consortia NPK-1(KRIBHCO-Polyculture) in Mango Crop.	6	T1- Farmers practices (Contorl)	Av. Number of fruits /100 kg	350	T_2 treatment found higher yield with maximum net return and B: C ratio	bio fertilizer release by University having higher yield		
					T2- Drenching of Azotobancter, Psb And Kmb With Normal Irrigation @ 1 Ltr/Acre	Av. Number of fruits /100 kg	335				
					T3 - Drenching With Normal Irrigation @ 1 Ltr/Acre Liquid Consortia NPK	Av. Number of fruits /100 kg	340				

Contd..

Technology Assessed	Source of Technology	Production	(unit)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
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

OFT-6

Title of OFT	:	To assess stocking density of pangasius (*Pangasius hypophthalamus*) fish in pond based culture system.

Results of Technologies Assessed

PANGASIUS FISH SURVIVAL, YIELD AND FCR FROM OFT UNIT ONE CROP												
Treatments	**Stocking density (Numbers/ sq.m)**	**OFT units**		**Survival (%)**			**Yield (kg)**			**FCR**		
		R1 (1200 sq.m)	**R2 (1000sq. m)**	**R 1**	**R 2**	**Mean**	**R1**	**R2**	**Mean**	**R1**	**R2**	**Mean**
T1	10	12000	10000	88	90	89	9187	7596	8392	1.6	1.5	2
T2	15	18000	15000	87	86	87	12998	10836	11917	1.71	1.66	2
T3	20	24000	20000	85	88	87	15912	13376	14644	1.68	1.72	1.7
T4	25	30000	25000	81	76	79	17982	13110	15546	1.66	1.62	1.64

Treatments	**Stocking density (Numbers/sq.m)**	**OFT units**		**Length (mm)**			**Weight (g)**		
		R1 (1200 sq.m)	**R2 (1000sq.m)**	**R1**	**R2**	**Mean**	**R1**	**R2**	**Mean**
T1	10	12000	10000	418	410	414	870	840	855
T2	15	18000	15000	402	410	406	830	840	835
T3	20	24000	20000	395	382	389	785	760	772.5
T4	25	30000	25000	380	345	363	740	690	715

C. 2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details:

OFT-1 (Crop production)

1 Title of Technology Assessed:- Assessment of newly released hybrid rice variety GRH-2

2 Problem Definition:- Farmers of south Gujarat are not adopting recommended rice GRH-2. Generally farmers are sowing old/private company rice varieties which are susceptible to any pest and diseases and hence farmers get very low yield

3 Details of technologies selected for assessment:-

T1 : Hybrid Rice (Private) US-312/6444
T2: GR- 3/NAUR-1 (5000 kg/ha)
T3: Gujarat Rice Hybrid-2

4 Source of technology:- Private company and Navsari Agricultural University, Navsari

5 Production system and thematic area:- Irrigated and Varietal evaluation

6 Performance of the Technology with performance indicators:-

Technology Assessed	**Parameters of assessment**	
	No. of Panicle Length	Yield (q/ha)
US-312/6444 Private company Variety	25.5	48.36
GR 17/NAUR-1	26.1	43.49
Hybrid rice GRH-2	27.7	51.84

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques

   Rice hybrid variety is very good yield and moderate tolerance against pest and disease

8. Final recommendation for micro level situation:- Newly released variety GRH-2 is suitable and Economically viable for farming community

9. Constraints identified and feedback for research and developmental departments:- Nil

10. Process of farmers participation and their reaction

OFT-2 (Crop production)

1 Title of Technology Assessed:- Use of Liquid Consortia NPK- Kribhco-1(Polyculture) in Sugarcane Crop.

2 Problem Definition:- Farmers of south Gujarat are not use of polyculture which is new research; generally farmers are use each separated NPK culture of bio-fertilizer due to this cost of inputs increase and farmers are also not aware about which bacterial culture are actually used hence yield getting low.

3 Details of technologies selected for assessment:-

T1:-Farmers practice
T2:- PSB, Azoto, KMB 2 lit/ha at 30 DAS & 90 days soil
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

4 Source of technology:- KRIBHCO Surat and Navsari Agricultural University, Navsari

5 Production system and thematic area:- Irrigated and Integrated Nutrient Management

6 Performance of the Technology with performance indicators:-

Technology Assessed	**Parameters of assessment**	
	Cane Height (cm)	Yield (q/ha)
T1:-Farmers practice	261.6	627.23
T2:- PSB, Azoto, KMB 2 lit/ha at 30 DAS & 90 days soil	280.5	749.89
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	272.8	722.76

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques

   Results are awaited

8. Final recommendation for micro level situation:- NA
9. Constraints identified and feedback for research and developmental departments:- Nil
10. Process of farmers participation and their reaction:- Nil

OFT-3 (Plant Protection)

1.	Title of technology assessed.	:	Sucking pest management in chilly
2.	Problem definition	:	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.
3.	Details of technologies selected for assessment	:	Seed treatment with imidacloprid 70%ws @ 400-600 g/100 seed and foliar spray 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
4.	Source of technology	:	SAU
5.	Production system and thematic area	:	Integrated pest & disease management
6.	Performance of technology with performance indicator	:	Performance of the technology good Performance indictors management of aphids, mites, trips and leaf curves disease
7	Feedback, matrix scoring of various technology parameters do techniques.	:	Feedback is good
8	Final recommendation for micro level situation	:	Third year assessment is running
9.	Constraints identified and feedback for research	:	none identified
10	Process of farmers participation and their reaction	:	Good

OFT-4 (Horticulture)

1.	Title of technology assessed.	:	Assessment of newly released NSRP-1 (GNRB-1)
2.	Problem definition	:	Farmers of south Gujarat are not adopting recommended NSRP-1 (GNRB-1). Generally farmers are sowing old/private company rice varieties which are susceptible to many pest and diseases and hence farmers get very low yield
3.	Details of technologies selected for assessment	:	Newly released NSRP-1 (GNRB-1).
4.	Source of technology	:	Navsari Agricultural University, Navsari
5.	Production system and thematic area	:	Irrigated and Varietal evaluation
6.	Performance of technology with performance indicator	:	

Technology Assessed	**Parameters of assessment**	
	Plant Height (cm)	Yield (q/ha)
Farmer practice(Local available variety)	68	292
NSRP-1 Brinjal	76	302
NSRP - 1 Brinjal + Novel spray	84	322

7	Feedback, matrix scoring of various technology parameters do techniques.	:	Feedback is good
8	Final recommendation for micro level situation	:	Newly released variety **NSRP - 1**

9. Constraints identified and feedback for research : none identified
10 Process of farmers participation and their reaction : Direct contact and good reaction

OFT-5 (Horticulture)

1. Title of technology assessed. : Use Of Liquid Consortia NPK-1(KRIBHCO-Polyculture) in Mango Crop.
2. Problem definition : 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.
3. Details of technologies selected for assessment :

T1-Farmers practices (Contorl)
T2- Drenching of Azotobancter, Psb And Kmb With Normal Irrigation @ 1 Ltr/Acre
T3 -Drenching With Normal Irrigation @ 1 Ltr/Acre Liquid Consortia NPK

4. Source of technology : Public sector company (KRIBHCO & University)
5. Production system and thematic area : Irrigated and Varietal evaluation
6. Performance of technology with performance indicator :

Technology Assessed	Parameters of assessment	
	Av. Number of fruits/100 kg	Yield (q/ha)
Farmers practices (Contorl)	350	92
Drenching of Azotobancter, Psb And Kmb With Normal Irrigation @ 1 Ltr/Acre	335	101
Drenching With Normal Irrigation @ 1 Ltr/Acre Liquid Consortia NPK	340	98

7 Feedback, matrix scoring of various technology parameters do techniques. : Feedback is good
8 Final recommendation for micro level situation : Third year assessment is running
9. Constraints identified and feedback for research : none identified
10 Process of farmers participation and their reaction : Direct contact and good reaction

OFT-6 (Fisheries)

1 Title of Technology Assessed:- Stocking density of fingerlings (Catla, Rohu, Mrigal and Grass carp) for production of stunted yearlings in cage culture system

2 Problem Definition:- Non availability of stunted yearling seeds of carp

3 Details of technologies selected for assessment:-

T1 : Fingerlings of size (25 mm-30 mm) stocking density @ 500 numbers per 100 sq meter (commonly adopted technology)
T2: stocking density 166 per cubic meter in cages of size 3m x2m x 1.00 m

4 Source of technology:- College of Fisheries Science, Navsari Agricultural University, Navsari

5 Production system and thematic area:- Inland Fisheries

6 Performance of the Technology with performance indicators:- Survival%, length (mm), Weight (g)

Technology Assessed	**Parameters of assessment**		
	Yield in numbers Survival (%)	Length (mm)	Weight (g)
Fingerlings of size (25 mm-30 mm) stocking density @ 500 numbers per 100 sq meter (commonly adopted technology)	65.60	Catla-200 Rohu-253 Mrigal-181 Grass carp-210	Catla-150 Rohu-145 Mrigal-67 Grass carp-143
stocking density 166 per cubic meter in cages of size 3m x2m x 1.00 m	87.15	Catla-164 Rohu-201 Mrigal-139 Grass carp-133	Catla-105 Rohu-85 Mrigal-57 Grass carp-63

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques Stunted seed yearlings production is an excellent idea can be carried out with high survive rate along with major carp culture pond or village tanks. Moreover stunted seeds grow faster and reach to marketable size within 7 to 9 months of culture period
8. Final recommendation for micro level situation:- Suitable technologies for farmers those have not separate seed rearing ponds and such cages are low cost plastic cages.
9. Constraints identified and feedback for research and developmental departments:- Nil
10. Process of farmers' participation and their reaction: Initially convinced with providing fish farming demonstration in their ponds then subsequently for OFT arrangements.

3.3. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2021 and recommended for large scale adoption in the district

S. N.	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1.	Green gram	ICM	GM-6	Demonstration Training, Field day	13	114	18.60
2.	Paddy	ICM	GNR-3	Demonstration Training, Field day	26	187	54
3.	Paddy	ICM	GNR-5	Demonstration Training, Field day	10	35	5
4.	Paddy	ICM	GNR-7	Demonstration Training, Field day	10	162	38.8
5.	Paddy	ICM	GR-15	Demonstration Training, Field day	1	25	5
6.	Paddy	ICM	GR-18	Demonstration Training, Field day	3	34	8
7.	Paddy	ICM	GR-19	Demonstration Training, Field day	1	17	4
8.	Paddy	ICM	GR-17	Demonstration Training, Field day	5	50	10
9.	Paddy	ICM	NAUR-1	Demonstration Training, Field day	3	27	8
10.	Paddy	ICM	GRH-2	Demonstration Training, Field day	8	60	12
11.	Pigeon pea	ICM	GT-104	Demonstration Training	35	560	12
12.	Chickpea	ICM	GG-5	Demonstration Training, Field day	10	40	4
13.	Indian bean	ICM	G.Val.-2	Demonstration Training, Field day	3	9	0.7
14.	Sorghum	ICM	Cofs-29	Demonstration Training, Field day	3	43	5
15.	Pigeon pea	IPDM	GT-104	Demonstration Training	2	10	5

16.	Paddy	IPDM	GNR-3	Demonstration Training, Field day	5	20	10
17.	Mango	Bio control of pest and diseases	Kesar	Demonstration Training	5	20	5
18.	Yam	New variety	Hemalata	Demonstration Training	1	22	0.30
19.	Mango	INM	Novel Spray	Demonstration Training,	14	114	50
20.	Elephant foot yam	New variety	Gajendra	Demonstration Training	1	3	0.30
21.	Mango ginger	New variety	NMG 2 (Jyoti)	Demonstration Training	2	30	0.30
22.	Mango ginger	New variety	Amravanti	Demonstration Training, KM	3	21	0.25
23.	Mango	INM	Biofertilizer (PSB,KMB, Azto.,)	Demonstration Training	15	166	66.40
24.	Sapota	INM	Biofertilizer (PSB,KMB, Azto.,)	Demonstration Training	10	100	40.00
25.	Mango	New variety	Sonpari	Demonstration Training	5	17	0.79
26.	Little gourd	New variety	GNLG-1	Demonstration Training	2	39	2
27.	Drumstick	New variety	PKM-1	Demonstration Training	8	264	0.69
28.	Dragon Fruit	New variety	Red	Demonstration Training	10	105	0.11
29.	Dragon Fruit	New variety	White	Demonstration Training	22	296	0.38
30.	Kitchen gardening	Household food security kitchen gardening	To introduce scientific model for maintaining kitchen gardening in kharif, Rabi and summer	Demonstration Training,	168	557	5.5
31.	Pulse Crop	Location Specific Drudgery reduction Technology	Twin wheel hoe	Demonstration Training	4	25	-
32.	-	Natural Resource Conservation Technology	Solar Cooker	Demonstration Training	4	15	-

33.	Fresh water fish culture	Inland fisheries	Freshwater fish farming in village tanks(stocking density & species ratio, feeding management)	Demonstrated in villages tanks, khet talavadi of farmers and courtyard tanks by giving trainings and inputs such as Fish seeds(Fingerlings, yearlings	8	90	7
34.	Fresh water fish culture	Inland fisheries	Pangasius culture through cage (6 m x 4 m x 4 m)farming in carp ponds	Trainings and method demonstration of Pangasius culture through cage in carp pond	6	12	2
35.	Cage farming	Inland fisheries	Gift Tilapia	Tilapia culture through 100 cost PVC cages (2mx2mx1.20m) in carp pond at KVK	3	10	5
	Total				**429**	**3299**	**386.12**

B. Details of FLDs implemented during 2021**(Kharif 2021, Rabi 2020-21, Summer 2021)** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sr. No.	**Crop**	**Thematic area**	**Technology Demonstrated**	**Season and year**	**Area (ha)**		**No. of farmers/ demonstrations**			**Reasons for shortfall in achievement**
					Proposed	Actual	SC/ST	Others	Total	
1.	Green gram	ICM	GM-6	Summer-21	10	18.60	42	72	114	
2.	Paddy	ICM	GNR-3	Kharif-21	10	54	70	117	187	
3.	Paddy	ICM	GNR-5	Kharif-20	5	5	34	1	35	
4.	Paddy	ICM	GNR-7	Kharif-21	10	38.8	159	3	162	
5.	Paddy	ICM	GNR-15	Kharif-21	-	5	19	6	25	
6.	Paddy	ICM	GR-18	Kharif-21	-	8	1	33	34	
7.	Paddy	ICM	GR-19	Kharif-21	-	4	13	4	17	
8.	Paddy	ICM	NAUR-1	Kharif-21	-	8	20	7	27	
9.	Paddy	ICM	GR-17	Kharif-21	5	10	47	3	50	
10.	Paddy	ICM	GRH-2	Kharif-21	-	12	35	25	60	
11.	Pigeon pea	ICM	GT-104	Kharif-21	10	12	326	234	560	
12.	Chickpea	ICM	GG-5	Rabi-21	10	4	40	0	40	
13.	Indian bean	ICM	G.Val.-2	Rabi-21	-	0.7	9	0	9	
14.	Sorghum	ICM	Cofs-29	Rabi-21	-	5	37	6	43	
15.	Paddy	IPDM	GNR-3	Kharif-21	10	10	10	10	20	

16.	Pigeon pea	IPDM	GT-104	Kharif-21	5	5	5	5	10	
17.	Mango	Bio control of pest and diseases	Kesar	Kharif-21	5	5	10	10	20	
18.	Pulse Crop	Location Specific Drudgery reduction Technology	Twin wheel hoe	Rabi-21	-	-	10	15	25	
19.	-	Natural Resource Conservation Technology	Solar Cooker	-	-	-	5	10	15	
20.	Little gourd	INM	GNPG-1	Kharif-21	4	2	30	9	39	
21.	Drum stick	INM	PKM-1	Kharif-21	5	0.69	145	119	264	
22.	Mango	INM	Biofertilizer (PSB,KMB, Azto.,)	Kharif-21	50	66.40	89	77	166	
23.	Sapota	INM	Biofertilizer (PSB,KMB, Azto.,)	Kharif-21	50	40	60	40	100	
24.	Yam	INM	Hemlata	Summer-21	-	0.30	11	11	22	
25.	Mango	INM		Summer-21	20	50	65	49	114	
26.	Elephant foot yam	INM	Gajendra	Kharif-21	1	0.30	3	0	3	
27.	Mango Ginger	INM	NMG2 (Jyoti)	Summer-21	-	0.30	20	10	30	
28.	Mango Ginger	INM	Amravanti	Summer-21	-	0.25	21	0	21	
29.	Mango	INM	Sonpari	Kharif-21	20	0.79	10	7	17	
30.	Dragon Fruit	INM	Red	Kharif-21	0.40	0.11	58	47	105	
31.	Dragon Fruit	INM	White	Kharif-21	-	0.38	187	109	296	

32.	Kitchen gardening	Household food security kitchen gardening	To introduce scientific model for maintaining kitchen gardening in kharif, Rabi and summer	All Season	1	5.5	356	201	557	
33.	Fresh water fish culture	Inland fisheries	Demonstrated in villages tanks, khet talavadi of farmers and courtyard tanks by giving trainings and inputs such as Fish seeds(Fingerlings, yearlings	Kharif-21	15	7	30	60	90	
34.	Fresh water fish culture	Inland fisheries	Trainings and method demonstration of Pangasius culture through cage in carp pond	Kharif-21	0.5	2	0	12	12	
35.	Cage farming	Inland fisheries	Tilapia culture through 100 cost PVC cages (2mx2mx1.20m) in carp pond at KVK	Kharif-21	-	5	-	10	10	
	Total				**246.9**	**386.12**	**1977**	**1322**	**3299**	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif-21	Rainfed	Sandy Clay Loam	L	M	M	Fallow	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Heavy Black	L	H	H	Paddy/ Sugarcane	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Sandy Clay Loam	L	M	M	Fallow	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Heavy Black	L	M	H	Paddy Fallow	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Sandy Clay Loam	L	M	M	Fallow	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Heavy Black	L	M	H	Fallow	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Sandy Clay Loam	L	M	M	Fallow	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Sandy Clay Loam	L	M	M	Fallow	July-21	Oct-21	2310	76
Paddy	Kharif-21	Rainfed	Sandy Clay Loam	L	M	M	Fallow	July-21	Oct-21	2310	76
Chickpea	Rabi-21	Rainfed	Medium Black	L	M	H	Paddy	Nov-21	Feb-22	2310	76
Pigeon pea	Kharif-21	Rainfed	Black	L	M	H	Fallow	July-21	Oct-21	2310	76
Pigeon pea	Kharif-21	Rainfed	Black	L	M	H	Fallow	July-21	Oct-21	2310	76

Green Gram	Summer-21	Irrigated	Sandy Clay Loam	L	M	M	Vegetable/Chickpea	Feb-21	May-21	2310	76
Little gourd	Kharif-21	Irrigated	Black	L	M	H	paddy	July-21	Aug-21	2310	76
Pointed gourd	Kharif-21	Irrigated	Black	L	M	H	paddy	July-21	Aug-21	2310	76
Mango	Kharif-21	Irrigated	Black	L	M	H	Mango	-	May-21	2310	76
Mango	Kharif-21	Irrigated	Black	L	M	H	Mango	-	May-21	2310	76
Sapota	Kharif-21	Irrigated	Black	L	M	H	Sapota	-	Oct-21	2310	76
Dragon Fruit	Kharif-21	Rainfed	Black	L	M	H	-	-	Oct-21	2310	76
Elephant Foot yam	Kharif-21	Rainfed	Black	L	M	H	-	-	Oct-21	2310	76
Fish seed stocking density and species ratio	Kharif-21	-	-	-	-	-	Fish	-	Oct-21	2310	76
Fish feed nutrition and feeding methods	Kharif-21	-	-	-	-	-	Fish	-	Oct-21	2310	76
Pungasius cage culture in village tank	Kharif-21	-	-	-	-	-	Fish	-	Oct-21	2310	76

Technical Feedback on the demonstrated technologies

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Experiment on cage culture in big village tanks need to be conducted
2	Preparation and testing of herbal pesticide for controlling pests and diseases.
3	Testing of cow dung and cow urine for enhancing growth and controlling pests and diseases.
4	Module for pesticide free productions.
5	Availability of country seeds.
6	Develop salt reclamation bio fertilizers.
7	To develop new variety of hybrid vegetables.
8	Develop early maturing and high yielding pigeon pea variety.
9	Branches of mango or sometime mango plant die in month of September-October.
10	Stem cracking or bark splitting was found in mango.
11	Terrace gardening, Box gardening and hanging pot kitchen gardening / availability of vegetables throughout the year on season basis.
12	Experiment on amur common carp need to be conducted

Farmers' reactions on specific technologies

Sr. No	Feed Back
1	Banana sap highly performed and gave good results
2	Increase seed availability for newly released varieties at village level timely and in small packing (pulses, vegetables etc.).
3	Introduction of IPDM technology becomes helpful in reducing pests and disease
4	NAUR-1 is found susceptible to false smut & also loading.
5	Grain discoloration was found in GNR-3.
6	Profuse tillering but more pest incidence was found in GNR-4 after penical initiation.
7	The wastage of paddy straw is reduced and milk yield is increased by feeding of urea treated paddy straw.
8	Inland aquaculture variety is good
9	Fish production increased with less expenditure.
10	Improve in the interest and initiation to bring village tanks for fish culture activities.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	12		21	
			27.01.2021	66	
			29.01.2021	48	
			03.02.2021	54	
			03.02.2021	53	
			02.03.2021	20	
			02.03.2021	20	
			06.10.2021	45	
			9.10.2021	24	
			7.10.2021	38	
			8.10.2021	43	
			12.10.2021	28	
2	Farmers Training	22	May, June, July, Oct, Sep, Nov, Dec. Jan, Feb, March	1187	
3	Media coverage	26	May, June, July, Aug, Sep, Nov, Dec. Jan, Feb, March	-	
4	Training for extension functionaries	1	-	74	

C. Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

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

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

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Pigeonpea	To popularize the new high yielding variety	New Variety seed treatments with fungicide and biofertilizers +spraying of micronutrients	GT-104	60	10	14.39	11.46	12.22	9.88	23.68	29780	81116	51366	2.73	28580	65524	36994	2.29
Pigeonpea		Use of bio pesticides in pest & diseases	GT-104	10	5	14.64	11.89	10.85	8.9	21.91	27590	62118	34528	2.25	26834	51852	25018	1.93
Greengram	To popularize the new high yielding variety	New Variety seed treatments with fungicide and biofertilizers +spraying of micronutrients	GM-6	214	28.6	9.37	7.28	8.34	6.62	25.98	29850	66128	37178	2.28	27300	52490	25190	1.92

Chickpea	INM	New Variety+ seed treatments with fungicide and biofertilizers +spraying of micronutrients	GG-5	240	24	14.28	11.49	12.46	10.57	17.88	29580	68929	39349	2.33	28790	58600	29810	2.04

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

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Paddy	To popularize the new high yielding variety	GNR-3	187	54	50.76	44.39	47.78	41.08	16.31			49860	107314	57454	2.15	48950	88815	39865	1.81
		GNR-5	35	5	47.58	41.12	44.24	39.32	12.51			49160	95154	45994	1.93	48750	81078	32328	1.66
		GNR-7	162	38.8	50.35	44.12	46.94	40.24	16.65			49990	100733	50743	2.01	48750	83037	34287	1.70
		GR-15	25	5	49.26	42.48	44.76	41.08	8.96			48860	96055	47195	1.96	47750	84707	36957	1.77
		GR-18	34	8	52.26	43.73	43.78	39.32	11.34			49860	109919	60059	2.20	48950	88815	39865	1.81
		GR-19	17	4	46.43	40.97	42.19	38.32	10.10			49860	93952	44092	1.88	48950	81078	32128	1.65
		NAUR-1	27	8	45.46	40.37	45.82	40.27	13.78			48560	90540	41980	1.86	47650	79016	31366	1.65
		GR-17	50	10	48.11	43.73	48.94	44.08	11.03			49500	98330	48830	1.98	48650	83037	34387	1.70
		GRH-2	60	12	53.86	46.54	53.86	46.54	15.73			49500	102218	52718	2.06	48650	86740	38090	1.78
	IPDM technologies	GNR-3	20	10			48.34	42.26	14.39			40110	83315	43205	2.07	28547	75008	31958	1.74
Vegetables																			
Little gourd	Introduction of new variety	GNLG-1	39	2	230	190	210	180	16.67			90000	525000	435000	5.83	80000	450000	370000	5.625
Drumstick	Introduction of	PKM-1	264	0.69	Continue.....														

	new variety																		
Fruit crops																			
Mango	Use of PSB, KMB, Azato bio fertilizer	Available	166	66.40	95	92	93.5	85	10.00			65200	233750	168550	3.58	62000	212500	150500	3.42
Mango	Novel Spray	Available	114	50	97	90	93.5	74	26.35			100000	374000	274000	3.74	90000	296000	206000	3.28
Mango	Introduction of new variety	Sonpari	17	0.79	Continue.....														
Mango	Fruit fly management nauroji fruit fly trap	Available	20	5			89.62	98.4	16.04										
Sapota	Use of PSB, KMB, Azato bio fertilizer	Available	100	40	Continue.....														
Dragon fruit	Introduction of new variety	Red	105	0.11	Continue.....														
Dragon fruit	Introduction of new variety	White	296	0.38	Continue.....														

Spices & condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial Crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal & aromatic plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder Crops																			
Sorghum	Introduction of new variety	Cofs-29	43	5	Continue.....														
Tuber Crops																			
Yam	Introduction of new variety	Hemlata	22	0.30	260	190	225	200	12.50			280000	337500	57500	1.20	270000	300000	30000	1.11
Elephant foot yam	Introduction of new variety	Gajendra	3	0.30	400	380	390	350	11.43			250000	585000	335000	2.34	240000	525000	285000	2.18
Mango ginger	Introduction of new variety	NMG 2 (Jyoti)	30	0.30	300	280	290	250	16.00			200000	435000	235000	2.17	190000	375000	185000	1.97
Mango ginger	Introduction of new variety	Amravanti	21	0.25	90	50	70	60	16.67			180000	280000	100000	1.55	170000	240000	70000	1.41

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

Frontline Demonstration on Nutri cereals

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

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
NIL																	

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

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps	Inland fisheries	Pangasius fish farming through cage system in carp pond (cage size 6 mx 4 m	12	2	2200 kg	1980	11.11	86% survival	72%	143936	308000	164064		147207	277200	129993	**5.3**
	Inland fisheries	Stocking density, species ratio and feeding management in carp farming	90	7	2630	1780	47.75	92	82	174920	420800	245880		156632	284800	128168	5.4
		Pangasius fish farming through cage system in carp pond (cage size 2 mx 2 m	10	5	387	179		95	81	27310	58050	30740		14040	26850	12810	5.2

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

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No .of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Value Addition																
NIL																

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Home Science	Natural Resource Conservation Technology-solar cooker	15	Continue.....		

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Twin wheel hoe	Pulse Crop	Twin wheel hoe for weeding operation	25	1	Labour saving hours	32 hr.	160 hr.	50%	-	-	16	16-	-	4288/ha.	-	4288/ha.
Note : Labor wages calculated as per NAU University rate. (268/-) Year-2021-22																

FLD on Other Enterprise: Kitchen Gardening

Nutrition garden components	Thematic area	Area (sq mt)	No. of Farmer	No. of Units	Yield (Kg)- supply of vegetables, fruits, etc from KG in the year		% change in yield	Household size (number)		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check*		Demo	Check	Gross Cost	Gross Return/Savings*	Net Return	BCR (R/C)	Gross Cost	Gross Return/ Savings*	Net Return	BCR (R/C)
Kitchen garden	Integrated Crop Management	Kitchen garden pesticide residue free nutritious food	557	5.5	2.5	1.9	31.58			68000	250000	182000	3.68	65128	225000	159872	3.45

***check maybe family adopting different Nutrition garden model**
-Savings from produce of Nutrition garden used for home consumption

FLD on Demonstration details on crop hybrids

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

Note: Remove the Enterprises/crops which have not been shown

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

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	2	6	50	56	20	20	40	26	70	96
Resource Conservation Technologies	1	3	21	24	0	0	0	3	21	24
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	1	0	0	0	21	25	46	21	25	46
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	1	0	0	0	13	1	14	13	1	14
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	3	3	0	3	45	126	171	48	126	174
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	2	0	0	0	22	18	40	22	18	40
Production of organic inputs	1	0	0	0	12	3	15	12	3	15
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total	**11**	**12**	**71**	**83**	**133**	**193**	**326**	**145**	**264**	**409**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	3	14	10	24	15	15	30	29	25	54
Off-season vegetables	3	10	15	25	32	45	77	42	60	102
Nursery raising	1	0	0	0	14	16	30	14	16	30
Exotic vegetables	2	42	23	65	10	13	23	52	36	88
Export potential vegetables	1	15	25	40	0	0	0	15	25	40
Grading and standardization	1	0	0	0	20	30	50	20	30	50
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)	**11**	**81**	**73**	**154**	**91**	**119**	**210**	**172**	**192**	**364**
b) Fruits										
Training and Pruning	1	9	10	19	0	0	0	9	10	19
Layout and Management of Orchards	1	0	0	0	5	12	17	5	12	17
Cultivation of Fruit	1	10	10	20	0	0	0	10	10	20
Management of young plants/orchards	1	0	0	0	8	32	40	8	32	40

Rejuvenation of old orchards	1	8	10	18	0	0	0	8	10	18
Export potential fruits	1	10	10	20	0	0	0	10	10	20
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**6**	**37**	**40**	**77**	**13**	**44**	**57**	**50**	**84**	**134**
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0

Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
Grand Total (a to g)	**17**	**118**	**113**	**231**	**104**	**163**	**267**	**222**	**276**	**498**
III Soil Health and Fertility Management										
Soil fertility management	2	19	40	59	4	7	11	23	47	70
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	2	5	17	22	14	0	14	19	17	36
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	1	2	0	2	9	39	48	11	39	50
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**5**	**26**	**57**	**83**	**27**	**46**	**73**	**53**	**103**	**156**
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed & fodder technology	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	13	40	53	0	10	10	13	50	63
Design and development of low/minimum cost diet	1	5	15	20	5	8	13	10	23	33
Designing and	0	0	0	0	0	0	0	0	0	0

development for high nutrient efficiency diet										
Minimization of nutrient loss in processing	1	10	12	22	0	0	0	10	12	22
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	1	0	83	83	0	0	0	0	83	83
Women empowerment	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**4**	**28**	**150**	**178**	**5**	**18**	**23**	**33**	**168**	**201**
VI Agril. Engineering										
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management	1	25	3	28	15	0	15	40	3	43
Integrated Disease Management	2	40	0	40	0	0	0	40	0	40
Bio-control of pests and diseases	1	20	0	20	0	0	0	20	0	20
Production of bio control agents and bio pesticides	1	0	0	0	20	0	20	20	0	20
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**5**	**85**	**3**	**88**	**35**	**0**	**35**	**120**	**3**	**123**

VIII Fisheries										
Integrated fish farming	1	24	13	37	13	4	17	37	17	54
Carp breeding and hatchery management	1	12	14	16	0	0	0	12	4	16
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	1	39	12	48	0	0	0	39	9	48
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**75**	**39**	**114**	**13**	**4**	**17**	**88**	**43**	**131**
IX Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	1	0	30	30	0	0	0	0	30	30
Organic manures production	3	15	2	17	19	5	24	34	7	41
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	2	8	20	28	5	0	5	13	20	33
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**6**	**23**	**52**	**75**	**24**	**5**	**29**	**47**	**57**	**104**

X CapacityBuilding and Group Dynamics										
Leadership development	1	15	10	25	10	0	10	25	10	35
Group dynamics	1	15	5	20	10	5	15	25	10	35
Formation and Management of SHGs	1	0	0	0	10	10	20	10	10	20
Mobilization of social capital	1	13	5	18	10	5	15	23	10	33
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**4**	**43**	**20**	**63**	**40**	**20**	**60**	**83**	**40**	**123**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	**55**	**410**	**505**	**915**	**381**	**449**	**830**	**791**	**954**	**1745**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	2	20	10	30	14	7	21	34	17	51
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	1	0	0	0	25	15	40	25	15	40
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	1	0	0	0	15	30	45	15	30	45
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	1	0	0	0	26	30	56	26	30	56
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**5**	**20**	**10**	**30**	**80**	**82**	**162**	**100**	**92**	**192**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	2	40	10	50	30	0	30	70	10	80
Off-season vegetables	2	25	0	25	33	6	39	58	6	64
Nursery raising	1	25	0	25	0	0	0	25	0	25
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	1	52	5	57	0	25	25	52	5	57
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)										
b) Fruits	**6**	**142**	**15**	**157**	**63**	**31**	**94**	**205**	**21**	**226**
Training and Pruning	2	40	10	50	0	0	0	40	10	50
Layout and Management of Orchards	1	0	0	0	25	5	30	25	5	30
Cultivation of Fruit	2	15	0	15	30	5	35	45	5	50
Management of young plants/orchards	1	15	5	20	0	0	0	15	5	20

Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**6**	**70**	**15**	**85**	**55**	**10**	**65**	**125**	**25**	**150**
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management	0	0	0	0	0	0	0	0	0	0

technology										
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
Grand Total (a to g)	**12**	**212**	**30**	**242**	**118**	**41**	**159**	**330**	**46**	**376**
III Soil Health and Fertility Management										
Soil fertility management	2	0	0	0	85	30	115	85	30	115
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	1	20	0	20	0	0	0	20	0	20
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**20**	**0**	**20**	**85**	**30**	**115**	**105**	**30**	**135**
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed & fodder technology	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
V Home Science/Women empowerment										
Household food security by kitchen	1	0	0	0	0	31	31	0	31	31

gardening and nutrition gardening										
Design and development of low/minimum cost diet	1	9	30	39	0	0	0	9	30	39
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	1	18	24	42	0	0	0	18	24	42
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	2	6	36	42	0	0	0	6	36	42
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	2	5	52	57	0	0	0	5	52	57
Women empowerment	2	0	45	45	0	6	6	0	51	51
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	1	3	8	11	0	10	10	3	18	21
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**10**	**41**	**195**	**236**	**0**	**47**	**47**	**41**	**242**	**283**
VI Agril. Engineering										
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0

Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management	3	55	20	75	30	73	103	85	93	178
Integrated Disease Management	3	55	30	85	29	15	44	84	45	129
Bio-control of pests and diseases	2	34	10	44	30	73	103	64	83	147
Production of bio control agents and bio pesticides	1	24	19	43	0	0	0	24	19	43
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**9**	**168**	**79**	**247**	**89**	**161**	**250**	**257**	**240**	**497**
VIII Fisheries										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site										
Seed Production	1	20	82	102	0	0	0	20	82	102
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0

Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	3	35	0	35	56	46	102	91	46	137
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	1	0	0	0	35	5	40	35	5	40
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**5**	**55**	**82**	**137**	**91**	**51**	**142**	**146**	**133**	**279**
X Capacity Building and Group Dynamics										
Leadership development	1	0	0	0	30	20	50	30	20	50
Group dynamics	2	29	15	44	30	20	50	59	35	94
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	1	20	15	35	20	32	52	40	47	87
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**4**	**49**	**30**	**79**	**80**	**72**	**152**	**129**	**102**	**231**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	**48**	**565**	**426**	**991**	**543**	**484**	**1027**	**1108**	**885**	**1993**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	4	26	60	86	34	27	61	60	87	147
Resource Conservation Technologies	1	3	21	24	0	0	0	3	21	24
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	1	0	0	0	21	25	46	21	25	46
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	2	0	0	0	38	16	54	38	16	54
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	4	3	0	3	60	156	216	63	156	219
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	1	0	0	0	26	30	56	26	30	56
Production of organic inputs	2	0	0	0	22	18	40	22	18	40
Others (pl specify)	1	0	0	0	12	3	15	12	3	15
Total	**16**	**32**	**81**	**113**	**213**	**275**	**488**	**245**	**356**	**601**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	5	54	20	74	45	15	60	99	35	134
Off-season vegetables	5	35	15	50	65	51	116	100	66	166
Nursery raising	2	25	0	25	14	16	30	39	16	55
Exotic vegetables	2	42	23	65	10	13	23	52	36	88
Export potential vegetables	2	67	30	97	0	25	25	67	30	97
Grading and standardization	1	0	0	0	20	30	50	20	30	50
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)	**17**	**223**	**88**	**311**	**154**	**150**	**304**	**377**	**213**	**590**
b) Fruits										
Training and Pruning	3	49	20	69	0	0	0	49	20	69
Layout and Management of Orchards	2	0	0	0	30	17	47	30	17	47
Cultivation of Fruit	3	25	10	35	30	5	35	55	15	70
Management of	2	15	5	20	8	32	40	23	37	60

young plants/orchards										
Rejuvenation of old orchards	1	8	10	18	0	0	0	8	10	18
Export potential fruits	1	10	10	20	0	0	0	10	10	20
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**12**	**107**	**55**	**162**	**68**	**54**	**122**	**175**	**109**	**284**
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and	0	0	0	0	0	0	0	0	0	0

management technology										
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
Grand Total (a to g)	**29**	**330**	**143**	**473**	**222**	**204**	**426**	**552**	**322**	**874**
III Soil Health and Fertility Management										
Soil fertility management	4	19	40	59	89	37	126	108	77	185
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	3	25	17	42	14	0	14	39	17	56
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	1	2	0	2	9	39	48	11	39	50
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**8**	**46**	**57**	**103**	**112**	**76**	**188**	**158**	**133**	**291**
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed & fodder technology	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
V Home Science/Women empowerment										
Household food	2	13	40	53	0	41	41	13	81	94

security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet	2	14	45	59	5	8	13	19	53	72
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	2	28	36	64	0	0	0	28	36	64
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	2	6	36	42	0	0	0	6	36	42
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	3	5	135	140	0	0	0	5	135	140
Women empowerment	2	0	45	45	0	6	6	0	51	51
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	1	3	8	11	0	10	10	3	18	21
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**14**	**69**	**345**	**414**	**5**	**65**	**70**	**74**	**410**	**484**
VI Agril. Engineering										
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0

Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management	4	80	23	103	45	73	118	125	96	221
Integrated Disease Management	5	95	30	125	29	15	44	124	45	169
Bio-control of pests and diseases	3	54	10	64	30	73	103	84	83	167
Production of bio control agents and bio pesticides	2	24	19	43	20	0	20	44	19	63
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**14**	**253**	**82**	**335**	**124**	**161**	**285**	**377**	**243**	**620**
VIII Fisheries										
Integrated fish farming	1	24	13	37	13	4	17	37	17	54
Carp breeding and hatchery management	1	12	14	16	0	0	0	12	4	16
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	1	39	12	48	0	0	0	39	9	48
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**75**	**39**	**114**	**13**	**4**	**17**	**88**	**43**	**131**
IX Production of Inputs at site										
Seed Production	1	20	82	102	0	0	0	20	82	102
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0

Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	1	0	30	30	0	0	0	0	30	30
Organic manures production	6	50	2	52	75	51	126	125	53	178
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	3	8	20	28	40	5	45	48	25	73
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**11**	**78**	**134**	**212**	**115**	**56**	**171**	**193**	**190**	**383**
X Capacity Building and Group Dynamics										
Leadership development	2	15	10	25	40	20	60	55	30	85
Group dynamics	3	44	20	64	40	25	65	84	45	129
Formation and Management of SHGs	1	0	0	0	10	10	20	10	10	20
Mobilization of social capital	1	13	5	18	10	5	15	23	10	33
Entrepreneurial development of farmers/youths	1	20	15	35	20	32	52	40	47	87
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**8**	**92**	**50**	**142**	**120**	**92**	**212**	**212**	**142**	**354**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	**103**	**975**	**931**	**1906**	**924**	**933**	**1857**	**1899**	**1839**	**373**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated crop management	1	7	10	17	5	10	15	12	20	32
Weed Management	1	5	10	15	5	10	15	10	20	30
Integrated nutrient management	1	15	10	25	5	10	15	20	20	40
Protected cultivation of vegetable crops	1	0	0	0	7	5	12	7	5	12
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0
Organic Farming	1	0	0	0	22	0	22	22	0	22
Post Harvest Technology	2	5	10	15	0	0	0	5	10	15
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Capacity Building and Group Dynamics	1	26	25	51	23	24	47	49	49	98
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	1	22	0	22	0	0	0	22	0	22
Any other (pl.specify)										
TOTAL	**9**	**80**	**65**	**145**	**67**	**59**	**126**	**147**	**124**	**271**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated crop management	0	0	0	0	0	0	0	0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	2	12	5	17	10	2	12	22	7	29
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	1	0	15	15	0	9	9	0	24	24
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	1	0	10	10	3	15	18	3	25	28
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Value addition	1	0	0	0	0	29	29	0	29	29
Organic Farming	1	8	15	23	0	0	0	8	15	23
Post Harvest Technology	1	5	10	15	0	0	0	5	10	15
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Capacity Building and Group Dynamics	1	26	12	38	0	0	0	26	12	38
Integrated Disease Management	1	0	0	0	20	9	29	20	9	29
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)										
TOTAL	**9**	**51**	**67**	**118**	**33**	**64**	**97**	**84**	**131**	**215**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated crop management	1	7	10	17	5	10	15	12	20	32
Weed Management	1	5	10	15	5	10	15	10	20	30
Integrated nutrient management	1	15	10	25	5	10	15	20	20	40
Protected cultivation of vegetable crops	3	12	5	17	17	7	24	29	12	41
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	1	0	15	15	0	9	9	0	24	24
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	1	0	10	10	3	15	18	3	25	28
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Value addition	1	0	0	0	0	29	29	0	29	29
Organic Farming	2	8	15	23	22	0	22	30	15	45
Post Harvest Technology	3	10	20	30	0	0	0	10	20	30
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Capacity Building and Group Dynamics	2	52	37	89	23	24	47	75	61	136
Integrated Disease Management	1	0	0	0	20	9	29	20	9	29
Bio-control of pests and diseases	1	22	0	22	0	0	0	22	0	22
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**18**	**131**	**132**	**263**	**100**	**123**	**223**	**231**	**255**	**486**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Organic Farming	1	70	4	74	0	0	0	70	4	74
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
TOTAL	**1**	**70**	**4**	**74**	**0**	**0**	**0**	**70**	**4**	**74**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Organic Farming	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Organic Farming	1	70	4	74	0	0	0	70	4	74
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
TOTAL	**1**	**70**	**4**	**74**	**0**	**0**	**0**	**70**	**4**	**74**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops	1	23	17	40	30	3	33	53	20	73
Commercial production of vegetables	1	0	0	0	24	26	50	24	26	50
Production and use of organic inputs	4	15	10	25	1	46	47	16	56	72
Integrated crop management	3	2	10	12	55	70	125	57	80	137
Weed Management	1	0	0	0	52	2	54	52	2	54
Integrated nutrient management	1	21	33	54	0	0	0	21	33	54
Vermi-compost production	1	49	9	58	0	0	0	49	9	58
Crop Diversification	1	20	10	30	0	0	0	20	10	30
Total	**13**	**130**	**89**	**219**	**162**	**147**	**309**	**292**	**236**	**528**
Production and value addition										
Fruit Plants	0	0	0	0	0	0	0	0	0	0
Ornamental plants	0	0	0	0	0	0	0	0	0	0
Spices crops	0	0	0	0	0	0	0	0	0	0
Soil health and fertility management	**1**	26	42	68	0	0	0	26	42	68
Production of Inputs at site	0	0	0	0	0	0	0	0	0	0
Methods of protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total	**1**	**26**	**42**	**68**	**0**	**0**	**0**	**26**	**42**	**68**
GRAND TOTAL	**14**	**156**	**131**	**287**	**162**	**147**	**309**	**318**	**278**	**596**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Post harvest technology and value addition										
Value addition	1	0	110	110	0	3	3	0	113	113
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total	**1**	**0**	**110**	**110**	**0**	**3**	**3**	**0**	**113**	**113**
Income generation activities										
Vermicomposting	1	0	0	0	0	23	23	0	23	23
Production of bio-agents, bio-pesticides,	0	0	0	0	0	0	0	0	0	0

bio-fertilizers etc.	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery	0	0	0	0	0	0	0	0	0	0
and implements	0	0	0	0	0	0	0	0	0	0
Rural Crafts	1	0	26	26	0	0	0	0	26	26
Seed production	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Mushroom cultivation	1	0	15	15	0	16	16	0	31	31
Nursery, grafting etc.	0	0	0	0	0	0	0	0	0	0
Tailoring, stitching, embroidery, dying etc.	0	0	0	0	0	0	0	0	0	0
Agril. para-workers, para-vet training	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**0**	**41**	**41**	**0**	**39**	**39**	**0**	**80**	**80**
Grand Total	**4**	**0**	**151**	**151**	**0**	**42**	**42**	**0**	**193**	**193**

3.5. Extension Programmes

Activities	**No. of programmes**	**No. of farmers**	**No. of Extension Personnel**	**TOTAL**
Advisory Services (Other than KMAS)	1	Mass (1,18,090 Farmers are benefited)		
Diagnostic visits	31	132	7	139
Field Day	12	460	13	473
Group Meeting / Farmer's meeting / Mahila meeting	18	465	10	475
Kisan Gosthi / Mahila Gosthi	2	191	22	213
Film Show	14	654	7	661
Self -help groups	2	26	3	29
Khedut Shibir/ Mahila shibir	21	1907	25	1932
Exhibition	5	2192	18	2210
Scientists' visit to farmers field	94	533	10	543
Lecture Delivered/ Guest lecture	39	1246	8	1254
Field / FLD visit	129	1121	17	1138
Farmers Visit to KVK	154	1991	9	2000
Farmers' seminar/workshop	2	56	5	61
Method Demonstrations	4	98	8	106
Awareness Programme	8	810	8	818
Special day celebration	10	1032	11	1043
Exposure visits	8	183	7	190
Rawe Programme	4	182	7	189
Dial out Conference	8	301	6	307
Swachhta Abhiyan	2	8518	12	8530
Total	**568**	**22098**	**213**	**22311**

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

Details of other extension programmes:

Particulars	Number
Electronic Media (CD./DVD)	3
Extension Literature	10
Newspaper coverage	61
Popular articles	15
Radio Talks	1
TV Talks	3
Animal health camps (Number of animals treated)	0
Social Media (No. of platforms Used)	7
Others (pl. specify)	0
Total	**100**

3.6 Online activities during year 2021

S. No.	Activity Type	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live/ Zoom/ Google meet/ Webexetc)	Title of Program	No. of Programmes	No. of Participants/ Views
A	Farmers training				
1		Google Meet	-	4	387
2		Dial out Conference	-	8	
	Total			**10**	**387**
B	Farmers scientist's interaction programme				
1	-	-	-	-	-
	Total	-	-	-	-
C	Farmers seminars				
1		Webinar	-	6	541
	Total			6	541
D	Expert lectures				
1	-	-	--	-	-
	Total				
E	Any other (Pl. specify)				
1	-	-	-	-	-
	Total				
	Grand Total (A+B+C+D+E)			**16**	**928**

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Paddy	GNR-3	CS	64.50	202000	
		GNR-7	FS	19.85	67510	
Pulses	Pigeon Pea	GT-104	TF	1.51	13590	
	Gram	G.G.-5	TF	5.13	35910	
	Green Gram	GM-6	TF	1.60	14400	
Commercial crops	Sugarcane	CON 13072	-	19.845	66084	
Total				**112.43**	**399494**	

Production of planting materials by the KVK

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Vegetable seedlings						
	Brinjal			2635	1995	
	Tomato			2540	1734	
	Chilly			1065	885	
	Cabbage			525	315	
	Cauliflower			350	210	
	Drum stick			283	8490	
Fruits						
	Dragon Fruit			954	23850	
Flower						
	Mari gold			790	790	
Total				**9142**	**38269**	

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg/Lit	Value (Rs.)	No. of Farmers	Remarks
Vermi Compost	Vermi Compost	2486 kg	-	-	Use in instructional farm of KVK

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	353.5	7070	**13**	Carrot	23	460
2	Tomato	364.5	7290	**14**	Cabbage	115	2300
3	Ridge gourd	162.5	3250	**15**	Drum stick	108	180
4	Sponge gourd	170	3400	**16**	Watermelon	4045.8	101145
5	Okra	55.5	1110	**17**	Fish	1466.5	146650
6	Bitter gourd	28	560	**18**	Turmeric	668	16700
7	Indian bean	26	520	**19**	Green leafy vegetables	2900	14500
8	Bottle gourd	122.5	2450	**20**	Pumpkin	5	100
9	Raddish	716	1790	**21**	Cauli flower	33	660
10	Musk melon	697	24395	**22**	Chilly	137.5	2750
11	Sweet corn	1959.5	39190	**23**	Broccoli	48.5	1940
12	Coconut Fruit	100	1500				
	TOTAL		**92525**		**TOTAL**		**287385**
Grand total = 3,79,910 /- (In word Three lakh Seventy nine thousand nine hundred ten only)							

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Fisheries				
Fishery	Catla, Rohu, Grass carp	2714 kg.	271400.00	1023
Total			**271400.00**	

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

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

B. Literature developed/published

Item	Title	Authors name	Number
Research papers			
	Effect of different levels of phosphorus and organic liquid fertilizer on yield of Green gram		
Technical reports	APR, AAP, SAC, ZREAC, MPR, QPR, AGRESCO,QRT	-	25

News letters			
Technical bulletins			
Popular articles	Ghar Aangne Sakabhaji	Dr.R.A.Gurjar, Dr.K.A.Shah, Dr.Prabhu Nayaka, Smt.N.N.Patel,Dr. C.K.Timbadia	Koli Patel Mitra November-21
	Kitchen Garden	Dr.R.A.Gurjar, Dr.K.A.Shah, Dr.Prabhu Nayaka, Smt.N.N.Patel, Dr.Sumit Salunkhe, Dr. C.K.Timbadia	Koli Patel Mitra Octomber-21
	Gajar Gash-Ek Jatil Nidan ane Tenu Niyantran	Dr.K.A.Shah, Dr.R.A.Gurjar, Dr.Sumit Salunkhe, Dr. C.K.Timbadia	Krushi kerm Sepetmber-21
	Dangar ma avati jivat olkho ane tenu sankalit niyatran vyavsthapan	Dr.Prabhu Nayaka, Dr.K.A.Shah, Dr.R.A.Gurjar, Dr. C.K.Timbadia	Krushi kerm Sepetmber-21
	Dangar ma avati jivat alkho ane tenu sankalit niyatran vyavsthapan	Dr.Prabhu Nayaka, Dr.K.A.Shah, Dr.R.A.Gurjar, Dr. C.K.Timbadia	Krushi Vigyan Sepetmber-21
	Unalu mag ni navi aasaspad jat-Gujarat mung-6 & Mung-7	Dr.Prabhu Nayaka, Dr.K.A.Shah, Dr.R.A.Gurjar, Dr. C.K.Timbadia	
	Sugarcane cultivation kheti aapnavo vadhu income melvo	Dr.Prabhu Nayaka, Dr.K.A.Shah, Dr.R.A.Gurjar, Dr. C.K.Timbadia	Krushi Jivan January-2021
Extension literature	Vermi-compost	Dr. K. A. Shah, Smt. Nitalben Patel, Shri A. N. Lad, Dr. C. K. Timbadiya	
	Aamba ni viagnanik kheti	Dr. R. A. Gurjar, Dr. K. A. Shah, Dr. Prabhu Nayaka and Dr. C. K. Timbadiya	
	Tuver ni viagnanik kheti	Dr. K. A. Shah, Dr. Prabhu Nayaka, Shri A. N. Lad, Dr. C. K. Timbadiya	
	Magfali ni mulyvardhit banavato	Smt. Nitalben Patel, Dr. K. A. Shah, Dr. C. K. Timbadiya	
	Mushroom ni viagnanik kheti	Dr. Prabhu Nayaka, Dr. Sumit Salunkhe, Prof. R.A. Gurjar, Dr. C. K. Timbadiya	
	Vividh Chatanini banavto	Smt.Nital N.Patel, Dr. Sumit Salunkhe, Dr. C. K. Timbadiya	

	Keri ni mulyvardhit banavato	Smt.Nital N.Patel, Prof. R.A. Gurjar, Dr. C. K. Timbadiya	
	Vividh falona jam	Smt.Nital N.Patel, Dr. Sumit Salunkhe, Prof. R.A. Gurjar, Dr. C. K. Timbadiya	
	Mushroom ni mulyvardhit banavato	Smt.Nital N.Patel, Dr. Prabhu Nayaka, Dr. C. K. Timbadiya	
	Magfali ni mulyavardhit banavato	Smt.Nital N.Patel, Dr. K. A. Shah,Dr. C. K. Timbadiya	
Others (Pl. specify)			
TOTAL			

C. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	DVD	Organic Farming Report	1

D. Details of Social Media Platforms Created / Used

S. No.	Type of social media platform	Title of social media	Number of Followers/ Subscribers
1	YouTube Channel	10	**22**
2	Facebook page/ Account	5000	**4967**
3	Mobile Apps		**3219**
4	WhatsApp groups	10	**2304**
5	Twitter Account	100	**48**
6	Instagram	10	**51**
7	Any other (Pl. Specify)		

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

Successful Case or Success Story of Paddy GNR-7(2021-22)

Profile						
Name	**:**	Kajalben Mayurbhai Patel	**Age**	**:**	31	
Village	**:**	Sindhai	**Education**	**:**	8th Pass	
Taluka	**:**	Vansda	**Land holding**	**:**	1.2 ha	
Dist.	**:**	Navsari	**Farming Experience**	**:**	08	
Mo. no	**:**		**Crops grown**	**:**	Paddy, Sorghum, Okra, Chickpea, Pigeon pea and Indian bean	

BEFORE CONTACT WITH KVK

Traditionally she started paddy cultivation about 10 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

- **After KVK intervention**
  - Adoption of *Rainy* Paddy recently released good yielding variety
  - Integrated nutrient management in crop
  - Scientific method of cultivation practices adopted
- **Area of adaptive of technology**
  - Started Paddy cultivation in approximate 1.0 Vigha (0.20 ha)
- **Result of this technology**
  - ✓ Seed requirement is decreased
  - ✓ Plant growth is improved
  - ✓ Yield is increased
  - ✓ More than 27.49 % additional income
- **Yield performance of Paddy Plot**

Yield (kg/ha)		**% increase over check**
Demo.	**Check**	
4974	**4127**	**20.52**

- **Income from this**
  - Total income of Rs. 93780/ha during 110-115 days only.
- **Horizontal spread**
  - About 39 farm family in the village and surrounding village adopted this technology.

Paddy plot (GNR-7)of Kajalben Mayurbhai Patel

Successful Case or Success Story of Paddy GNR-7 (2021-22)

Profile						
Name	**:**	Balubhai Patel	**Age**	**:**	62	
Village	**:**	Kukada	**Education**	**:**	-	
Taluka	**:**	Vansda	**Land holding**	**:**	1.5 ha	
Dist.	**:**	Navsari	**Farming Experience**	**:**	35	
Mo. no	**:**	**9638997662**	**Crops grown**	**:**	Paddy, Pigeon pea, Green Gram and Turmeric	

BEFORE CONTACT WITH KVK

Since more than 35 year back, he 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-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

- **After KVK intervention**
  - Adaption of *Rainy* Paddy recently released good yielding variety
  - Integrated nutrient management in crop
  - Scientific method of cultivation practices adopted

- **Area of adaptive of technology**
  - Started Paddy cultivation in approximate 1.0 Vigha (0.20 ha)

- **Result of this technology**
  - ✓ Seed requirement is decreased
  - ✓ Plant growth is improved
  - ✓ Yield is increased
  - ✓ More than 24.79 % additional income

- **Yield performance of Paddy Plot**

Yield (kg/ha)		% increase over check
Demo.	Check	
4843	4067	19.08

- **Income from this**
  - Total income of Rs. 90945/ha during 110-120 days only.
- **Horizontal spread**
  - About 46 farm family in the village and surrounding village adopted this technology.

Paddy (GNR-7) plot of Balubhai Patel

Successful Case or Success Story of Paddy GRH-2(2021-22)

Profile						
Name	**:**	Janiben Jayantibhai Kukana	**Age**	**:**	31	
Village	**:**	Kharjai	**Education**	**:**	12th Pass	
Taluka	**:**	Vansda	**Land holding**	**:**	0.8 ha	
Dist.	**:**	Navsari	**Farming Experience**	**:**	10	
Mo. no	**:**	**6353034193**	**Crops grown**	**:**	Paddy, Sorghum, Sweet corn, Chickpea, Pigeon pea 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

- **After KVK intervention**
  - Adoption of recently released good yielding paddy variety
  - Seed treatments and integrated nutrient management in crop
  - Scientific method of cultivation practices adopted

- **Area of adaptive of technology**
  - Started Paddy cultivation approximate 1.0 Vigha (0.20 ha)

- **Result of this technology**
  - ✓ Seed requirement is decreased
  - ✓ Plant growth is good
  - ✓ Yield is increased
  - ✓ More than 30.36 % additional income

- **Yield performance of Paddy Plot**

Yield (kg/ha)		% increase over check
Demo.	Check	
5386	4652	15.77

- **Income from this**
  - Total income of Rs. 99120/ha during 110-120 days only.
- **Horizontal spread**
  - About 44 farm family in the village and surrounding village adopted this technology.

Paddy plot of Janiben Jayantibhai Kukana

Successful Case or Success Story of Paddy GRH-2(2021-22)

Profile						
Name	**:**	Moahnbhai Jamsubhai Gavit	**Age**	**:**	62	
Village	**:**	Khanpur	**Education**	**:**	10th Pass	
Taluka	**:**	Vansda	**Land holding**	**:**	1.8ha	
Dist.	**:**	Navsari	**Farming Experience**	**:**	40	
Mo. no	**:**	**9728204512**	**Crops grown**	**:**	Paddy, Chickpea, Pigeon pea, vegetables, and Green Gram	

BEFORE CONTACT WITH KVK

Since more than 30 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	-	1 time hand weeding

- **After KVK intervention**
  - Adaption of recently released good yielding paddy variety
  - Seed treatments and integrated nutrient management in crop
  - Scientific method of cultivation practices adopted
- **Area of adaptive of technology**
  - Started Paddy cultivation in approximate 1.0 Vigha (0.20 ha)

- **Result of this technology**
  - ✓ Seed requirement is decreased
  - ✓ Plant growth is good
  - ✓ Yield is increased
  - ✓ More than 28.43 % additional income

- **Yield performance of Paddy Plot**

Yield (kg/ha)		% increase over check
Demo.	Check	
5253	4571	14.92

- **Income from this**
  - Total income of Rs. 98756/ha during 110-120 days only.
- **Horizontal spread**
  - About 28 farm family in the village and surrounding village adopted this technology.

Paddy plot of Moahnbhai Jamsubhai Gavit

Successful Case or Success Story of Paddy GNR-3 (2021-22)

Profile					
Name	**:**	Belaben Natvarbhai Patel	**Age**	**:**	49
Village	**:**	Abrama	**Education**	**:**	10th Pass
Taluka	**:**	Jalalpor	**Land holding**	**:**	2.5 ha
24	**:**	Navsari	**Farming Experience**	**:**	
Mo. no	**:**		**Crops grown**	**:**	Paddy, Sugarcane, Chickpea , Sapota and Mango

BEFORE CONTACT WITH KVK

Since more than 8 year back, he is cultivated Paddytraditionally, 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	-	18 Guntha
Variety	-	Paddy – GNR-3
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

- **After KVK intervention**
  - Adaption of *Rainy* Paddyrecently released good yielding variety
  - Integrated nutrient management in crop
  - Scientific method of cultivation practices adopted
- **Area of adaptive of technology**
  - Started Paddycultivation in approximate 0.18 Guntha (0.20 ha)
- **Result of this technology**
  - ✓ Seed requirement is decreased
  - ✓ Plant growth is improved
  - ✓ Yield is increased
  - ✓ More than 33.52 % additional income

- **Yield performance of Paddy Plot**

Yield (kg/ha)		% increase over check
Demo.	**Check**	
5075	**4376**	**15.98**

- **Income from this**
  - Total income of Rs. 104340/ha during 110-120 days only.
- **Horizontal spread**
  - About 57 farm family in the village and surrounding village adopted this technology.


Paddy (GNR-3) plot of Belaben Natvarbhai Patel

Successful Case or Success Story of Green gram (2020-21)

Profile					
Name	**:**	Patel Rekhaben	**Age**	**:**	47
Village	**:**	Abrama	**Education**	**:**	12th Pass
Taluka	**:**	Jalalpore	**Land holding**	**:**	3.2 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	22 year
Mo. no	**:**	**9879629329**	**Crops grown**	**:**	Paddy, Mango, Sugarcane, Vegetable and Green Gram

BEFORE CONTACT WITH KVK

She has been cultivating green gram since 10 years, normally she 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.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	0.2 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

- **After KVK intervention**
  - Adoption of *summer* green gram recently released good high yielding variety
  - Integrated nutrient management in crop
  - Carried out Scientific method of cultivation

- **Area of adaptive of technology**
  - Started Green gram cultivation approximate 1.0 Vigha (0.20 ha)

- **Result of this technology**
  - ✓ Low seed rate
  - ✓ Plant growth is improved
  - ✓ Yield is greater than before
  - ✓ About 31.42 % additional income

- **Yield performance of Green Gram Plot**

Yield (kg/ha)		% increase over check
Demo.	Check	
912	708	28.81

- **Income from this**
  - Total income of Rs. 74890/ha during 75-80 days only.
- **Horizontal spread**
  - About 62 farm families in the village and surrounding villages adopted this technology.


Green Gram plot of Rekhaben Patel

Successful Case or Success Story of Chick pea (2020-21)

Profile					
Name	**:**	Ranjanben Patel	**Age**	**:**	42
Village	**:**	Mohanpor	**Education**	**:**	12th Pass
Taluka	**:**	Gandevi	**Land holding**	**:**	1.2 ha
Dist.	**:**	Navsari	**Farming Experience**	**:**	20 year
Mo. no	**:**	**9925607955**	**Crops grown**	**:**	Paddy, Chick pea, Mango and Sapota

BEFORE CONTACT WITH KVK

Wilt disease was the major hurdle for her chickpea yield. Since 8 years repeated use of chick pea in the same area without any plant protection measures she harvested minimum yield. Once it happened visit demo plot at KVK then she made her mind to follow the guideline.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

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

- **After KVK intervention**
  - Adoption of short duration and wilt resistance high yielding variety
  - Integrated nutrient management in crop
  - Scientific method of cultivation practices adopted

- **Area of adaptive of technology**
  - Started chickpea cultivation 1 vigha (0.2 ha)

- **Result of this technology**
  - Low seed rate
  - Yield is greater than before
  - Minimum Mortality of plant observed
  - About 24.36 % additional income

- **Yield performance of Chick Pea Plot (GG-5)**

Yield (kg/ha)		% increase over check
Demo.	Check	
1257	1063	18.25

- **Income from this**
  - Total income of Rs. 69070 /ha during 115 days only.
- **Horizontal spread**
  - About 43 farm family in the village and surrounding village adopted this technology.

Chick Pea plot of Ranjanben Patel

Chick Pea plot of Ranjanben Patel

ARYA MANGO GRAFTING

Name	**Amitbhai Pawar**
Address	At : Nani pada, Po : Limjar Ta : Vansda Dist : Navsari
Mobile No	7600004797
Age	27
Education	10 pass
Land Holding	2 Vigha
Farming Experience	7 Years
Crops Grown	Mango
Livestock	Nil

Vulnerability	• Lake of confidence • Lack of knowledge about adequate use of new technologies. • Pest and Disease in grafted plant were major issues • Not aware about safety and hygiene and microbial contamination. • Never used Novel Banana Sap.
Problems identified	• No awareness about mother plot and its maintenance • Lake of knowledge for multiple grafting in one plant • Not aware about Sonpari hybrid mango variety.
Technological intervention in brief	• Technical training was given about nutrition, deficiency symptoms, multiple grafting and pest and disease management

Efforts made by KVK/ methodology followed	• By continuous approach with veteran scientist (Dr B. M. Tandel) and farmers KVK has provided a bridge for solving the problems. With the help of conference, scientific and technical guidance, advisories, farmer and scientist interfaces as well as inspiration for marketing, selling techniques and continuous supervision has given fruitful results.	
Output	• 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	
Outcome	• Most of the entrepreneur has taken keen interest for mango grafting. Total **20,000** grafts were prepared by all members of group. • Out of these two groups one groups leader **Shree Amitbhai Pawar** From Nani pada Limjar Block, Vansda in Navsari Disrict had sold 10,000 mango grafts commercially. Now KVK, Navsari is emphasising on marketing of grafts.	
	Produce (grafts)	10,000
	Price (Rs)	50
	Income (Rs)	5,00,000
	Cost (Rs)	3,00,000
	Profit (Rs) (12 month)	2,00,000

ARYA MANGO PULP BOTTLING

Name	**Smt. Jasuben Mohanbhai Patel**
Address	Vedchha (Chok Faliya) Ta : Navsari Dist : Navsari
Mobile No	9879629329
Age	59
Education	8th pass
Land Holding	2 Acre
Farming Exp.	20 Years
Crops Grown	Mango
Livestock	Nil
Vulnerability	• Lake of confidence • Lack of knowledge about adequate use of preservatives. • Bottle burst, discoloration and burning effect were major technical issues • Not aware about safety and hygiene and microbial contamination

<table>
<tr><td></td><td>• Never used brix meter, thermometer</td></tr>
<tr><td>Problems identified</td><td>• Bottle burst, discoloration and burning effect ,use of new instruments, safety hygiene were major technical issues</td></tr>
<tr><td>Technological intervention in brief</td><td>• Technical training was given to solve the problems use of new instruments brix meter, micro balance for preservatives and thermometer to read the temperature as well as amount of preservatives to be used with safety hygiene</td></tr>
<tr><td>Efforts made by KVK/ methodology followed</td><td>• By continuous approach with veteran scientist and farmer, KVK has provided a bridge for solving the problems. With the help of value addition conference, scientific and technical guidance, advisories, farmer and scientist interfaces as well as inspiration and continuous supervision has given fruitful results.</td></tr>
<tr><td>Output</td><td>• Due to hygiene & safely precaution trust of people increased.
• Started microbial analysis of their product. 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</td></tr>
<tr><td>Outcome</td><td>• Most of the women entrepreneur had taken keen interest for mango pulp bottling. Total 3000 bottles were prepared by all groups.
• Out of these two groups one groups leader Smt. Jasuben Mohanbhai Patel From Vedchha village of Navsari Block in Navsari Disrict had sold 1000 pulp bottles commercially. Now KVK, Navsari is emphasising on branding and marketing of products.
<table>
<tr><td>Produce (bottles)</td><td>1000</td></tr>
<tr><td>Price (Rs)</td><td>80</td></tr>
<tr><td>Income (Rs)</td><td>80000</td></tr>
<tr><td>Cost (Rs)</td><td>20000</td></tr>
<tr><td>Profit (Rs) (12 month)</td><td>60000</td></tr>
</table>
</td></tr>
</table>

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

Innovative technologies used for Transfer of Technology

1. Group formation a new approach: The expansion of Indian agriculture is depending on 103 million farm families involved in agricultural activities. It is impossible to reach such a huge number of farmers individually. The effective and efficient diffusion of new technologies to the needy farmers is very much essential for increasing the yield. To deal with this problem, KVK have adopted a new approach that is to involve the leader of the farmer in planning and implementation of the activities. Under this approach, groups are formed from the entire village. These groups are varying in size, generally 20 to 30 members in each group. Then after 3 to 5 leaders are identified from the same group and they are given the detail guidance and information, so that they can help to group members in better way.

2. Innovative farmers in extension programme

The farmers those are introducing new ideas and technology to their farming system are innovative farmers, such farmers are being identified and information regarding their ideas, adoptive technology are being documented by this centre. Platform in the form of Innovative farmers meet is being provided, so that innovative farmers will display and discuss their ideas and adoptive technology and become helpful to common farmers. Thus KVK becomes the linkage between innovative farmers and common farmers in agricultural extension activities.

3. Convergence : There are so many government and non government agencies, those are working in interest of farmers in different subject are being converged and provided platform, so they could reach to the farmers field , fulfill the objectives of their project and ultimately achieve their goals/targets in the form of progressive farmers and higher GDP in Agriculture.

4. Diversification in agriculture crops.

New crops varieties those are suitable in the south Gujarat climate and have more demand in market are being introduced, so farmers can earn higher return. American Sweet corn has good market and consumer preference, so it can fetch high price in market and farmers can earn good return too.

5. TOT through Dial Out Conference: In collaboration with Reliance Foundation, KVK, Navsari organised dial out conference to give the relative subject information to tribal farmers.

6. e- Connectivity at KVK

By using latest information technologies KVK tried to reach to the farmers. KVK has established e-KVK, that enables the farming communities to get regular message regarding different crops, their varieties, climate report, pest and diseases related information. More than 1.5 lakh voice message had been sent and covered about 3200 farmers of the district.

7. Demand driven activities: KVK has started demand driven activities in order to create interest among the farming communities in agriculture through various scheme. KVK has started work for providing marketing facilities of their farm produce. By becoming mediator Several MoU between private companies and farmers have been done for marketing of agricultural produce, so farmers can get assured market and encouraging returns of their farm produce. Thus farmers remain in touch with KVK and get information of latest technologies and new varieties of crops.

8. Felicitation of innovative farmer's: KVK, Navsari identified innovative farmers of the district and they were selected by the scrutinizing committee. They are felicitated during different activities of the KVK. This function brings huge motivation of other farmers. During the function they explain their technology

F. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sr. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Pulse& Vegetables	Farmers are using fly ash to control sucking pest	To control sucking pest
2	Mango	Farmers apply irrigation in mango during winter	For initiation of flowering
3	Mango	Smoke of chilly and neem leaves in mango orchard	To control disease & pest during winter
4	Mix farming	Banana+chilly+Maize+leafy vegetable	To increase income from per unit ares
5	Vegetable	Spry cow urine and mixture of cow urine and buttermilk in vegetable	To save fertilizer and reduce pest incidences
6	Vegetable	Spry Jethropa Leaves ark to control sucking pest.	To control Jassid thrips and hopper.
7	Animal Science	Farmers fed boiled grains with jaggery	For expulsion of placenta and energy supply
8	Animal Science	Farmers apply used oil on skin of animal	To treat skin diseases
9	Animal Science	Farmers fed fodder as whole	To decrease the wastage of feed

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

A. Practicing Farmers

a) PRA
b) Problem identified from Matrix
c) Field level observations
d) Farmer group discussions
e) ON / OFF campus training

B. Rural Youth

a) PRA
b) Problem identified from Matrix
c) Field level observations
d) Farmer group discussions
e) ON / OFF campus training

C. In-service personnel

a) PRA
b) Problem identified from Matrix
c) Field level observations
d) Farmer group discussions
e) ON / OFF campus training

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA
ii) Problem identified from Matrix

iii) Field level observations
iv) Farmer group discussions
v) Others if any

For FLD:

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

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) -

Sr.No.	Taluka	Village	Village	Village
Intensive operational area				
1.	Jalalpore	Dambhar	Abrama	Bhutsad
2.	Navsari	Posara	Vada	Kacholi
3.	Gandevi	Undhch	Mohanpur	Kachholi
4.	Chikhali	Talavchaora	Degam	Agasi
5.	Vansada	Satimal	Kelkutch/Kureliya	Kukda
6.	Khergam	Gholar	Chimanpada	Rojavani

ii. No. of farm families selected per village : 125
iii. No. of survey/PRA conducted : 12
iv. No. of technologies taken to the adopted villages 20
v. Name of the technologies found suitable by the farmers of the adopted villages:

- Eco-friendly management of pest
- Need based insecticide application
- Introduction of bio-pesticide
- Use of Methyl eugenol trap to control fruit fly
- fish seed stocking density and species ration in village tanks
- Composite fish culture in village tank
- Importance of variety , use of bio fertilizer and land configuration
- High yielding variety and balance use of fertilizer
- High yielding variety and balance use of fertilizer
- Recommended spacing & seed rate and recommended dose of fertilizer
- System Rice Intensification
- Introduction of new variety
- Use of Pre emergence herbicide
- Spraying of CaNo3 & Boron at 50% flowering
- Spray novel liquid fertilizer
- Popularized canopy management
- Introduction of Scientific- Economic- Nutritional kitchen garden

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

Specific technology/skill transferred	No. of beneficiaries	Per cent knowledge
Popularize new variety of paddy-NAUR 1 and GNR-3	3123	95

Green manuring	2963	75
New variety of Green gram- GM-6	1213	81
Adoption of inter cropping in sugarcane	2912	73
INM in paddy	2689	42
Adoption of new Tur variety	2364	74
Replacement of paddy through vegetables	1412	52
Use of bio fertilizer in Sapota	2798	70
INM in vegetables	1110	76
New variety in Mango	1032	37
Kitchen gardening	3102	92
Control of fruit fly in mango	4098	93
Awareness regarding pesticide	3712	51

Horizontal spread of technologies

Crop	Technologies	No. of village	No. of farmers	Area in ha.
Paddy	Introduction of New variety	165	6700	2800
	SRI	45	380	160
Pigeon pea	New variety	135	3900	1600
Green gram	New variety	115	2851	898
Gram	New variety	28	1247	174
Sugar cane	Inter cropping	220	5500	3500
Indian bean	New variety	32	225	49
Mango	Fruit fly control	179	7650	3124
	Bio fertilizers	48	1280	482
	New variety	86	1250	892
Sapota	INM	39	4220	1750
Okra	Off Season cultivation	88	1280	550
Vegetable	INM	39	793	351
Brinjal/ Okra	IPDM/ Yellow sticky trap	72	1900	290
Kitchen garden	Nutritional	168	5100	90
Fisheries	Inland aquaculture	54	387	76

vii. Constraints if any in the continued application of these improved technologies : NIL

6. LINKAGES

A. Functional linkage with different organizations

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	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 Trust, Navsari	Collaborative training and extension programmes
23.	Lok Seva Trust, Kharel	Collaborative training and extension programmes
24.	Sneh-setu cheritable 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 programmes
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

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

Sr. No	Name of the scheme	Date/ Month of initiation / B.H	Funding agency	Amount received (Rs. in Lakh)
1	Establishment of demonstration-cum-training center for Inland fisheries	12943	State Govt.	5.77
2	Strengthening and testing of universities technologies on farmer's field through adaptive trials, Phase-II	12306-A	State Govt.	9.75
3	Cluster frontline demonstrations of Rabi pulses	2105/00	Central Govt.	6.32
4	ARYA Project	18191	Central Govt.	13.07
5	Scheme for Organic farming	18172/02	State Govt.	41.22
6	Creation of seed hub for increasing indigenous production of Pulses seed in India :Seed Hubs	2704-02-A	Central Govt.	95.44
7	PKVY - Skill development	2125/02	Central Govt.	0.16
8	Turmeric	18930-B	Central Govt.	0.11
9	Mega seed project	2068/C	Central Govt.	0.42
10	Pradhan Mantari Kisan Sanmman Nidhi (PM KISHAN)	18207	Central Govt.	8.91
11	Swachhata action plan			0.22
Total				**181.39**

C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

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

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	5	5		
02	Research projects	NIL			
03	Training programmes	4	10	2	
04	Demonstrations	NIL			
05	Extension Programmes				
	KisanMela	1	15	1	
	Technology Week	NIL			
	Exposure visit	4	150	2	
	Exhibition	2	552	2	
	Soil health camps	NIL			
	Animal Health Campaigns	NIL			
06	Publications				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	Other Activities (Pl.specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

D. Give details of programmes implemented under National Horticultural Mission

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

E. Nature of linkage with National Fisheries Development Board

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

F. Details of linkage with RKVY

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

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

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1.	Training, Demonstration		3,15,312	2,09,997	

H. Details of linkage with NFSM

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	Training, Field day, Demonstration	Centre Govt.	6,32,687	4,61,788	

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

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

7. Convergence with other agencies and departments: NIL

8. Innovative Farmers Meet

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

9. Farmers Field School (FFS)

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

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

Sr. No	Feed Back
1	Banana sap highly performed and gave good results
2	Increase seed availability for newly released varieties at village level timely and in small packing (pulses, vegetables etc.).
3	Introduction of IPDM technology becomes helpful in reducing pests and disease
4	NAUR-1 is found susceptible to false smut & also loading.
5	Grain discoloration was found in GNR-3.
6	Profuse tillering but more pest incidence was found in GNR-4 after panicle initiation.
7	
8	Inland aquaculture variety is good
9	Fish production increased with less expenditure.
10	Improve in the interest and initiation to bring village tanks for fish culture activities.
11	Novel banana sap use in mango, sapota gave betterment.
12	GNLG-1 & GNPG-1 variety has given excellent results.

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

Sr. No	Feed Back
1	Terrace gardening, Box gardening and hanging pot kitchen gardening / availability of vegetables throughout the year on season basis.
2	Cost of feeding animals to be reduced
3	Experiment on amur common carp need to be conducted
4	Experiment on cage culture in big village tanks need to be conducted
5	Preparation and testing of Amrutmitti, Amrutjal, Jivamrut and Panchgavya for different crops.
6	Preparation and testing of herbal pesticide for controlling pests and diseases.
7	Testing of cow dung and cow urine for enhancing growth and controlling pests and diseases.
8	Module for pesticide free productions.
9	Availability of country seeds.
10	Develop salt reclamation bio fertilizers.
11	To develop new variety of hybrid vegetables.
12	Develop early maturing and high yielding pigeon pea variety.
13	Branches of mango or sometime mango plant die in month of September-October.
14	Stem cracking or bark splitting was found in mango.
15	Proper pesticide schedule use in sapota.
16	Use of Jivamrut, mulching, mix cropping in vegetable & fruit
17	Better passion fruit variety for south Gujarat.
18	Effect of Bramhastram, Dashparni ark in fruit & vegetable crops.

11. Technology Week celebration during2021:No, If Yes

Period of observing Technology Week: From to
Online / Offline: Offline
Total number of farmers visited : 321
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus: 321

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized	4	301	
Exhibition			
Film show	5	321	
Fair			
Farm Visit	4	226	
Diagnostic Practical's	2	115	
Supply of Literature (No.)		321	
Supply of Seed (q)			
Supply of Planting materials (No.)		241	
Bio Product supply (Kg)		60	
Bio Fertilizers (q)		20	
Supply of fingerlings			
Supply of Livestock specimen (No.)			
Total number of farmers visited the technology week	5	321	

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

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
NIL			

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses: (Chickpea)	20	200
Cereals		
Vegetable crops		
Tuber crops		
Fruits: (Dragon Fruit)	0.80	401
Total	**20.80**	**601**

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
NIL			

`

D. Animal health camps organized

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

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

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

F. Large scale adoption of resource conservation technologies

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

G. Awareness campaign

State	Meetings		Gosthies		Training		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
Gujarat	1	35	0	0	4	247	0	0	0	0	4	247
Total	1	35	0	0	4	247	0	0	0	0	4	247

13. IMPACT

A. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Mango Bio fertilizer	226	60%	134000	196800
Brinjal Novel spray	25	45%	175000	220000
Mango Fruit fly management	200	22%	154770	165690
Introduction of new variety Paddy (GNR-3,GNR-2, GRH-2, GNR-7, GNR-5)	498	68%	75934	88439
Fish seed stocking density and species ratio carps culture	92	72%	72000	168000
Fish seed rearing (Fry to yearlings)	5	100%	85000	178000
Fish nutrition & feeding management in carps culture	118	70%	70000	174000

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

B. Cases of large scale adoption

1. Newly released variety of paddy NAUR- 1 is adopted in large scale in tribal area of Navsari district. Farmers are growing NAUR-1 variety instead of hybrid paddy variety. During this year, more than 2000 farmers have adopted NAUR-1 variety covering more than 500 ha.
2. GT-104 variety of Tur was adopted by farmers. This variety used for dual purpose, for dal and green vegetable purpose. In Navsari district, 1891 farmers have adopted this variety.

3. Yellow vein mosaic resistant variety, GM-6 of green gram is largely adopted by farmers. Total 354 ha area was covered by this variety. This variety produced 21% higher yield than old variety but farmers get higher price of GM-6.
4. Farmers are aware about soil health. They are using bio compost from the sugar factories. Near about 1 lakh ton of Bio compost was used by the farmers.

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

Agronomy:

- Technology Benefits: Old varieties has been replaced by new varieties/newly released SAU varieties. by increase in per cent yield .
- Economic Benefits: Due increase in yield farmers obtained higher return over expenditure.
- Environment benefits: New varieties are tolerant to many pest and disease, there by reduction in use of pesticides and production of residue free food grains.

Horticulture:

- The knowledge level of farmer about use of bio fertilizer in mango increased by 62% as a result of KVK intervention which was earlier 25%
- More than 48% farmer adopted novel spray fertilizer in brinjal after intervention of KVK which was earlier only 20%
- After initiative of Sonpari mango variety 35% farmers started interest in growing of few Sonpari plants in their farm.
- Regarding little gourd, the crop is still in cultivation & total production of crop has not reported but farmer were happy by growing little gourd in their farm. Because growing are long and slanderous well as higher in yield compared to local variety.
- With the help of training on kitchen garden, around 70-80% farmers and farm women have adopted kitchen garden concept at their own backyard and around 20-30% farmers are making kitchen garden on large scale and got additional income through selling the excess vegetables.
-

Plant protection:

- Technology Benefits: After adopting this technology lot of area has been transformed into use of fruit fly traps not only in mango and sapota also.
- Economic Benefits: Change in the income status of farmers income for unit are has been increased
- Environment benefits: Residue free fruits are available and no of sprays to control fruit fly in mango has nearer to nil.

Home Science

- Through training on nutrition education more than 60% women of adopted villages are become conscious about the health of their family.
- Farm women are now preparing mango pulp, jam, and Masalas at their home rather than buying it from the market.
- Farm women prepared value added products like Masalas, Gulkand, Rose water, Rose syrup, Pickles, Farsan, Biscuits, Ragi papad, Flour, Ragi biscuits etc., and sold it near market their own from home, Krishi Mela as well as in different stall programmes of KVK, Navsari

- Moreover best out of west products like decorative diyas (Kodiya), decorative flower pot, Bamboo, Wall piece, Toys, Flower pot etc. prepared by farm women and also after selling all products socio-economic status will increase.
- Exposure visits organised by KVK at different food industry and places to aware and educate farm women.

Extension

- 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.

Fisheries

- Fresh water culture activities in village tanks/Khet talavadi increased by 200 % in Navsari district.
- Fish production yield increased by 48-17% in villages tanks.
- Farmer's visits and enquiries are increased by 400% for fish farming activities & related issues.
- Now there enquiries from farmers for implementing latest modern aquaculture technologies such as RAS, BIOFLOC, Aqua ponies & cage farming.
- Fish farming activities are becoming effective tools for employment generation. Livelihood nutrition security for poor & active rural youth.
- Fish consumption rate per capital increased by 300 % in the home holds these encouraged by KVK through training & demonstration of fish farming.
- Fish farming activities in villages tanks by rural youth not only increase the income but rural development works such as sports ground, water tanks for cattle, street lights & roads have been done.

14. Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
Jan 2021	5	10251	5
Feb 2021	8	14587	5
March 2021	6	6841	-
April 2021	8	13547	5
May 2021	5	10587	2
Jun 2021	5	11577	3
Jul 2021	8	15874	3
Aug 2021	9	16541	-
Sept 2021	7	7841	10
Oct 2021	5	5787	3
Nov.2021	6	9874	4
Dec.2021	5	6584	5
	77	**129891**	**45**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Market-ing	Awar e-ness	Other enterprise	Total
	Text only	31	3	6	8	11	18	77
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	31	3	6	8	11	18	77
	Total farmers Benefitted	**55874**	**6693**	**12548**	**12546**	**2021 5**	**22015**	**129891**

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
NIL									

B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Paddy	July-21	Oct-21	2.0	GNR-3	Seed Pro.	64.50		202000	
Paddy	July-21	Oct-21	0.5	GNR-7	Seed Pro.	19.85		67510	
						84.35		269510	
Sweet corn	Nov-20	Feb-21	0.5	Sugar-75	General				
Sugarcane	Jan-21	-	0.5	Con 13072	-	19.845		66084	
Pulses									
Pigeon pea	Jun-20	Feb-21	0.25	GT-104	Demo.	1.51		13590	
Gram	Nov-20	March-21	0.5	GG-5	Demo.	5.13		35590	
Green gram	March-21	May-21	0.25	GM-7	Demo.	1.60		14400	
Fruits									
Watermelon	Feb-21	April-21	0.4	Sugar queen	Demo.	4045.8		111145	
Muskmelon	Feb-21	April-21	0.1	Swati1 202	Demo.	697		24395	
S'Banana	Aug-21	-	0.25	G-9	Demo.	-	-	-	-
Vegetables									
Vegetables	-	-	0.7	-	Demo.	-	-	50000	-

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

Sl. No.	Bio Products	Name of the Product	Qty (kg/lit)	Amount (Rs.)		Remarks
				Cost of inputs	Gross income	
1	Vermi compost	Vermi compost	2000 kg	-	-	Use in instructional farm of KVK

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Rohu, Catla, Mrigal, Grass carp	-	Fish	2714 kg		271400	-

E. Utilization of hostel facilities

Accommodation available (No. of beds): 12

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January **2021**	2	5	
February **2021**	3	4	
March **2021**	5	4	
April **2021**	1	3	
May **2021**	2	3	
June **2021**	1	2	
July **2021**	1	5	
August **2021**	1	5	
September **2021**	2	6	
October **2021**	2	4	
November **2021**	1	6	
December **2021**	1	3	

F. Database management

S. No	Database target	Database created
NIL		

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

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
Farmers who come to KVK, are exposed to Rainwater Harvesting Demonstration Unit									

H. Performance of Nutritional Garden at KVK farm
If Nutritional Garden developed at KVK farm/Village Level? Yes
If yes,

Nutritional Garden developed at KVK farm

Area under nutritional garden (ha)	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers visited
0.25	Vegetable crops	16	300
	Fruit crops	3	
	Others if any		
	Medicinal	3	

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

No. of Villages covered	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers covered
72	Vegetable crops	8	913
45	Fruit crops	2	
	Others if any	1	

H. Details of Skill Development Trainings organized

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

16. FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	State Bank of India, Navsari	Agriculture campus, Eru char rasta	3889	Senior Scientist & Head, KVK, NAU, Navsari	30043864605	396002062	SBIN0003889
With KVK							

B. Utilization of KVK funds during the year 2021-22 (Rs. in lakh)(Till Dec, 2021)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**		964457	10450016
2	**Traveling allowances**		68750	67447
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)		12045750	1310646
B	POL, repair of vehicles, tractor and Equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)			**13078957**	**11828109**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	-	-	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)		-	-	-
C. REVOLVING FUND			7,62,194	6,06,711
GRAND TOTAL (A+B+C)			**13,841,151**	**12,434,820**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2018 to March 2019	2,96,780	9,55,529	7,50,924	5,30,366
April 2019 to March 2020	5,30,366	8,40,393	6,64,364	6,77,414
April 2020 to March2021	6,77,414	8,35,382	7,50,602	7,62,194
April 2021 to December, 2021	7,62,194	8,66,045	6,06,711	1,21,528

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

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online/Offline)	Dates
Dr.C.K.Timbadia	Senior Scientist & Head	Organic Farming	Poicha (Rajpapla)	**Offline**	23-25/9/2021
Dr.K.A.Shah	Scientist (Agronomy)	Organic Farming	Poicha (Rajpapla)	Offline	23-25/9/2021
Dr. Prabhu Nayaka	Scientist (Plant Protection)	Organic Farming	Poicha (Rajpapla)	Offline	23-25/9/2021
Dr.Sumit Slaunkhe	Scientist (Extension Education)	Organic Farming	Poicha (Rajpapla)	Offline	23-25/9/2021
Dr.R.A.Gurjar	Scientist (Horticulture)	Organic Farming	Poicha (Rajpapla)	Offline	23-25/9/2021
Shri A.N.Lad	Farm manager	Organic Farming	Poicha (Rajpapla)	Offline	23-25/9/2021
Shri.P.G.Rathawa	Training Assistant	Organic Farming	Poicha (Rajpapla)	Offline	23-25/9/2021
Dr.K.A.Shah	Scientist (Agronomy)	International Agronomy congress	Hydrabad	Offline	23-27/11/21
Dr.C.K.Timbadia	Senior Scientist & Head	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21
Dr.K.A.Shah	Scientist (Agronomy)	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21
Dr. Prabhu Nayaka	Scientist (Plant Protection)	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21

Dr.Sumit Slaunkhe	Scientist (Extension Education)	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21
Dr.R.A.Gurjar	Scientist (Horticulture)	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21
Smt.Nital N.Patel	Scientist (Home Science)	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21
Shri A.N.Lad	Farm manager	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21
Shri.P.G.Rathawa	Training Assistant	Subhash Palekar Natural Farming	Dandi Samrpan Ashram	Offline	25-27/12/21

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

Name of the village	**Total No. of families surveyed**	**Key interventions implemented**	**No. of farmers covered in each intervention**	**Change in income (Rs/unit)**	
				Before (base year)	**After (current year)**
Chaudha, Kavdej	110	KVK organized training , demonstration and extension activities Given different agricultural inputs like package of practices like Novel, P.S.B, K.M.B., Azatobacter etc	110	2021	2022

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

S. No.	Name of the programme	No. of villages adopted	Key activities performed	No. of activities carried out	No. of families covered
1	NARI	1	Kitchen garden, Health and Nutrition management	20	15
2	PKVY	2	Training, Extension Activities	10	161

20. Details of Progress of ARYA

Project

Name of Enterprise	No of Training Conducted	No of Beneficiaries	No of Extension Activities	No of Beneficiaries	No of Unit established	Change in income		No. Of Groups Formed
						Before	After	
Establishment of mango processing training centre	6	314	1	10	2	4000	60,000	2
Entrepreneurship development through mango nursery	8	118	1	10	1	10,000	2,00,000	1
Fish farming	4	87	1	10	1			1

21. Details of SAP

S. No.	*Types of major Activity conducted- SwachhtaPakhwada, Cleaning, Awareness Workshop, Microbial based Agricultural Waste Management by Vermicomposting etc.*	No. of Programmes conducted	No. of Participants
		17	**437**

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

Technology week celebration

Sr. No.	Date	Theme	Participant
1	11/1/2021	Use of novel in vine vegetables	194
2	12/1/2021	Small scale Agri- entrepreneurs	35
3	13/1/2021	Role of Women in Agriculture	111
4	15/1/2021	Entrepreneurship Development through fish farming and Value addition	60
5	16/1/2021	Integrated Farming System (IFS)	95


Value addition of fruits and vegetables/ Preparation of Tomato ketchup, Strawberry jam and Strawberry syrup (Date: 20-02-2021)

This training is organized at Hansapore village to develop value addition skill among farm woman. In this event through method demonstration, practical knowledge and technical guidance were given about value addition. Conducted Method demonstration on preparation of Tomato ketchup, Strawberry jam and Strawberry syrup. There were 29 farm women of Hansapore and Abrama village were participated and learned.


Gramin Krushi Mosam seva and its effect on crop yield (Date : 25-02-2021)

KVK, Navsari and NMCA are associated to guide farmers on changes in weather conditions. Dr. C. K. Timbadia, Director of Extension Education, NAU, Navsari, Dr. Arvadiya, Dr.P.P. Panday, Dr. P. K. Parmar and Dr. K. A. Shah gave the lecture about effect of changes in weather on agriculture 54 farmers were participated actively.

Farm Women's Organic Farming Shibir (Date 6/3/2021)

On the event of International Women's Day, One day Organic farming shibir was organized exclusively for farm women at "Kesali" village Tal. Chikhali on dated 06.03.2021. Krishi Vigyan Kendra,Navsari Agricultural University, Navsari in Association with Kesali Kelavani Mandal Jointly organized the programme. About 700 farmers and farm women's were present during the programme. Five farm women's from milk co-operative Kesali were felicitated by Hon'ble VC. Dr. Z. P. Patel NAU Navsari and three farm women from KVK, Navsari, who did extensively good achievement in small scale Agri entrepreneurship development (viz., Mushroom, Masala and Value added products in fruits) were felicitated by Dr. C. K. Timbadia, DEE, NAU, Navsari. Other dignitaries Viz., Dhirubhai, Sumanbhai and Umeshbhai were present in the programme.

International Women's Day- 2021 (Date : 8/3/2021)

KVK Navsari celebrated International Women's Day' 2021 on 08.03.2021. Theme of program was "Women leadership in Agricultural Entrepreneurship Equity and Empowerment. President Dr. Z. P. Patel Hon'ble Vice chancellor NAU. Chief Guest Dr. Anil Jain, Member of Advisory Committee, Ministry of Commerce and Industry and Ministry of Civil Aviation. Directorate of Extension Education NAU, Navsari Dr .C. K. Timbadia gave the information on women leadership and organic Agriculture entrepreneurship development. In this program board member, Prafulaben Desai, Dr.Amitaben Patel, Former President Jilla Panchayat Navsari, Smt. Shitalben Soni , Smt. Chetnaben Birla President,Smt. Rajeshriben Kharadi, Smt. Sonia

Patel,President, Smt. Rishida Thakur, Smt Rekhaben Patel, Smt.Ajitaben Choksi remain present. 180 farm women were actively participated and benefited by the event.


World water day (Date: 22/03/2021)

Krishi vigyan kendra, Navsari celebrate of world water day with the theme "valuing water" on 22nd march 2021 in presence of Dr. Z. P. Patel, Vice Chancellor of Navsari Agricultural University, Dr. C. K. Timbadia, Director of Extension Education , NAU, Navsari. Pradamashri Mathurbhai Savani, President of Saurashtra Jaldhara Trust along with farmers and Scientist of KVK were present. Dr. Z. P. Patel emphasized on different water conservation techniques at household. Pradmashri Mathurbhai savani highlighted the importance of water in our day to day life and stressed on fresh water conservation. He further stressed upon the strategies to be adopted by people to reduce, reuse and recycle the water. Dr. C. K. Timbadia emphasized on the importance of water in human life. More than 60 farmers participated in this event.


Webinar on World Honey Bee Day (Date: 20/5/2021)

KVK, Navsari Agricultural University Navsari organized webinar on “World Honey Bee Day” celebration in presence of Dr. C. K. Timbadia, Directorate of Extension Education, NAU, Navsari. Dr. C. K. Timbadia addressed the farmers to attach with KVK and proliferate bees to create

healthy environment. He also told that the farmers have to learn marketing of their produce directly to consumers and Dr. Abhishek Mehta, Assistant professor, Collage of forestry, NAU, Navsari shared important points to keep in mind for beekeeping. He also guided them regarding importance of seasonal bee management, diversification in beekeeping, role of bees in crop pollination and management of bees against bee enemies and diseases. He also told that beekeeping is a viable rural enterprise for employment generation in rural sector of India.

World environment Day (Date: 5-6-2021)

World environment day celebrated In presence of Hon'ble vice chancellor Dr. Z. P. Patel, NAU, Navsari. Hon'ble Mrs. Prashasti Parik IAS, District development officer, Navsari district, Director of research Dr. S. R. Chaudhary, NAU, Navsari, Director of Extension Education Dr. C. K. Timbadia, NAU, Navsari, NAHEP CAAST project PI Dr. Timur Ahlawat, NAU, Navsari, Dr. Rishida Thakur, National president of Tapsya nari sewa samiti charitable trust, Miss Varsha Dogha, District president of Nehru yuva Kendra Navsari . Saplings were planted on the memory of the event and also to encourage green and clean environment.

Bhoomi Suposhan Compaign

Bhoomi Suposhan Compaign Organized by KVK, Navsari during june'2021. Objectives of this event is to create awareness about conservation of Soil fertility among the farmers and encourage them for organic and natural farming. There were 3 programme conducted for"Bhoomi poojan". Bhoomipoojan done by Hon.'ble vice chancellor, NAU, Navsari , and Directorate of Extension Education,NAU, Navsari. 45 Farm women participated actively in that compaign. Also she did bhoomipojan at her Field.

Dignitaries visit at KVK

No.	VIPs/ Guests	Designation and Address	Date of Visit
1.	Shree V. D. Zalawadia	MLA,Kamrej,surat	3-7-2021
2.	Dr. Z. P. Patel	Hon'ble vice chancellor, NAU, Navsari	5-8-2021
3	Hon'ble Dilipbhai Sanghani	President National Co-operating Union of India and Vice-Chairman of IFFCO and former Cabinet Minister of Gujarat State	12-8-2021
4	Shri Barotbhai	State Nodal Officer ATMA, Gandhinagar	24-12-2021
5	Shri.Jayeshbhai Natvarbhai Patel	Director of SUMUL dairy	30-12-2021
6	Dr. Prashsti Parik,	District Development Officer, Navsari	6-01-2020


Shree V. D. Zalawadia sir visit kvk


Hon' ble VC Dr. Z. P. Patel Visit KVK


Hon'ble Dilip Sanghani visited KVK

Shri. D.B. Barot,State Nodal Officer ATMA, Gandhinagar

Shri.Jayeshbhai Natvarbhai Patel, Director of SUMUL, dairy

Vocational Training (Date: 1 to 4/7/2021)

Krishi Vigyan Kendra, Navsari organized three days training on making a mixture of spices under the Home Science discipline organized by Nital Patel, Scientist, Home Science. 110 farm women participated in this training.

Training on low cost Bio-fortification kit (Date: 6-7-2021)

Training on low cost Bio-fortification kit: A sustainable technology tool for nutrition yield and income security of farmers. Dr. Usadiya, Department of Agronomy, Dr Dhudhat Associate. Professor, Agronomy, Dr. Nitin, Dr. C. K. Timbadia, DEE, NAU, Navsari, More than 17 farm women participated in this program

93rd ICAR Foundation Day Celebration (Date: 16-7-2021)

Krishi vigyan kendra Celebrated *93rd ICAR Foundation Day* at Abrama village, 93rd ICAR foundation day celebration was inaugurated by collector Shri Amit Yadav as the Chairman of the function , Hon'ble Vice Chancellor Shri Dr. Z. P. Patel, Dr. C.K. Timbadia, DEE, NAU, Navsari, Sarpanch Mr. Shaileshbhai and other village leaders Pramodbhai, Udaybhai, Natwarbhai and Belaben etc. About 70 farmers are participated in this program saplings were planted on this memorable day.

Parthenium Awareness Week Celebration

Date	Place	Participate
13/8/2021	Chaundha	54
13/8/2021	Kavdej	55
18/8/2021	KVK, Navsari	20
19/8/2021	Mora amba	54
21/8/2021	Kandha	56
Total		**239**




Celebration of World Coconut Day (Date: 2-9-2021)

ASPEE College of Horticulture and Forestry and Krishi Vigyan Kendra, Navsari jointly organized World Coconut Day on 2nd September 2021 at KVK. President of the function Hon'ble Vice Chancellor Dr. Z. P. Patel, NAU, Navsari and the other dignitaries Dr. Sunil Chaudhary , D.R, NAU, Navsari, Dr. C. K. Timbadia, DEE, NAU, Navsari, Dr. P. K. Shrivastava Principal and Dean ASPEE Collage NAU, Navsari and KVK, staff were present . Dr. Z. P. Patel focus on coconut based women led enterprises with the goal of improving their lives by making and selling value added products from coconuts. His emphasis on different products such as coconut water, coconut peat, organic fertilizer and coco-coir from husks, vegetables and processed snack food and drinks.

Dr. C. K. Timbadia highlights and raises awareness about importance and benefits of coconut. More than 58 farm women participated in this event.

"Poshan Vatika Mahaabhiyan and Plantation Day "(Poshan Maah celebration) Date: 17-9-2021

Krishi Vigyan Kendra, Navsari celebrated one day program on poshan Vatika Mahaabhiyan and Plantation Day on the occasion of birth anniversary of Hon'ble Pradhanmantri Shri Narendra Modi. In this programme Hon'ble Director of Extension Education, NAU, Navsari Dr. C. K. Timbadia remained present as a chairman of the programme. His emphasis on awareness about nutrition among women. The chief guest Mr. Bhikhubhai Ahir, President, Jilla Panchayat Navsari remain present and appreciate women participation in this programme. Shrimati Jagrutiben Desai deputy President Vijalpore Nagarpalika Navsari gave information about prevention of malnutrition and urged for better foods nutrition intact to women. In technical session scientist Horticulture and Home science delivered lectures on kitchen Garden and role of nutrition for better health. In this program 1100 fruits plant and other plant and 100 Kitchen garden seed packet distributed to women farmers. Also plantation performed by dignitaries.

Khedut Shibir (Date: 5-8-2021)

Khedut Shibir organised under the community base fruit fly management in horticultural crops. In presence Dr. Z. P. Patel, Hon'ble Vice chancellor, Dr. S. R. Chaudhari, Dr. C. K. Timbadia, DEE, NAU, Navsari. Fruit fly trap distributed to all farmers. More than 60 farmer's participant in this program.

Khedut Shibir under the Doubling Farmers Income and Swachhta Pakhwada program (Date: 13-8-2021)

Krishi Vigyan Kendra, Navsari Organized Khedut Shibir under the Doubling Farmers Income, and Swachhta Pakhwada. Chondha village on 13 August 2021 in presence of Chonda milk- Co-operative President, During the shibir highlighted the Doubling the farmers income and also project demo inputs like Novel, PSB, KMB ,Azotobactor were distributed to the beneficiaries in DFI scheme. More than 50 farmers participated in the shibir they were told about usage and application method of inputs distributed during the shibir.

Khedut Shibir on Creeper crop (Date: 19-8-2021)

BAIF, Vasada, Development Research Foundation organised Khedut Shibir under the Comprehensive Community Development Project (CCDP) funded by LTPCT on 19 Aug 2021. during technical session highlighted the creeper and non creeper type vegetables cultivation viz., Little gourd, Bitter gourd and spiny gourd. Information on Usage and application of bio fertilizers such as PSB, KMB, and Azotobacter in gourd family crop were given during the training. In continuation famers were also educated about Schemes viz., Gujarat Government Saat Pagala Khedut Kalyan Scheme under seven sub schemes such as Mukhya Mantri Paak Sangrah Structure Yojana, Kisan Parivahan Yojana, Fencing Yojana etc. Later on use of famers friendly mobile application viz., Kisanmitra, kisan rath and Agrimedia to get resolve farmer problem were specified. About 65 farmers enthusiastic participated in khedut shibir.

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Khedut Shibir (Date: 20-8-2021)

BAIF,Vansada, Development Research Foundation organized khedut shibir under the Comprehensive Community Development Project (CCDP) funded by LTPCT on 20 August 2021. In technical session outlined the pest and disease management in creeper and non creeper type vegetables like litter gourd, bitter gourd and spiny gourd and also focus on organic farming. In continuation with session they were briefed about transfer of technology activity of krishi vigyan kendra Navsari and role of ICT tool's in Agriculture department among farming community. More than 85 farmers enthusiastic participated in khedut shibir.

“Azadi ka Amrut Mahotsav”

Sr. No.	Date	Place	Activity Name	No. of Participants
1	10/8/2021	Krishi Vigyan Kendra, Navsari	Khedut shibir under the theme of Holistic development approaches through RKVY project	80
2	26/8/2021	Krishi Vigyan Kendra, Navsari	Khedut Shibir under the theme of Food and Nutrition for Farmers	103
3	3/9/2021	Mohanpur	Pak Parisavand under the theme of Natural farming and organic farming for farmers	70
4	14/9/2021	Krishi Vigyan Kendra, Navsari	Freeze drying technology in mango and other horticulture crop under the ARYA project	45
5	28/9/2021	Krishi Vigyan Kendra, Navsari	Farmer interface program for climate resilient variety, technology and practice	100
6	15/10/2021	Krishi Vigyan Kendra, Navsari	Mahila Kisan Divas	89

Khedut shibir under the theme of Holistic development approaches through RKVY project


Khedut Shibir under the theme of Food and Nutrition for Farmers


Pak Parisavand under the theme of Natural farming and organic farming for farmers


Freeze drying technology in mango and other horticulture crop under the ARYA project


Mahila Kisan Divas


Farmer interface program for climate resilient variety, technology and practice

Vocational Training on preparation of vermi compost
(Date: 1 to 4 -10-2021)

Krishi Vigyan Kendra, Navsari, Agricultural University organized in a four days vocational training on preparation of vermi compost and their importance for both farming and economic generation at Manekpore in collaboration with BSVS, RSETI, Navsari. Dr. Kinjal Shah, Scientist (Agronomy) gave the technical knowledge by method demonstration on preparation of vermin compost and its advantage. More than 23 farmers participated in this training.


Training on use of bio fertilizer use in sapota and mango orchard (Date: 8-10-2021)

Training on use of bio fertilizer in sapota and mango orchard. KVK Scientist and NAU faculty dept. of Horticulture gave the lecture in bio fertilizer in sapota and mango orchard. More than 65 farmers participated in this training.


Celebration of world food day (Date: 16-10-2021)

Krishi Vigyan Kendra, NAU, Navsari organized off campus program on a celebration of world food day at kedkutch village. More than 40 farmers participated in this program.


Swachata campaign and vigilance awareness (Date: 20-10-2021)

Krishi vigyan kendra, Navsari , NAU, organized on special swachata campaign and vigilance awareness on 20 October 2021. In presence of Dr. C. K. Timbadia, Director of Extension Education, NAU, Navsari, Shri Pareshbhai Ahir, progressive farmers, Shri Bharatbhai Patel, progressive farmer, Bhutsad village. More 70 farmers and students are participated in this program.

Organic and cow base farming awareness Gaudaan Samarabh program (Date: 3-11-2021)

Event was jointly organized by Arya Samaj, Navsari and Krishi Vigyan Kendra, Navsari. Program was organized at Sultanpur village in presidential presence of dr. Z.P.Patel, Hon,ble Vice chancellor, NAU,Navsari, President jilla panchayat, Navsari, Shri Jignesh Patil, President, Youth for Gujarat Charitable Trust. Objective of event is to create awareness and encouragement among farmer for organic and cow base farming. Total 12 cow donated to 12 farm women of Kalthan, Vasan, Kesali, Bhutsad, Abrama, Hansapor, Mandir villages. Total 80 farm women actively participated in that event.

Training program for farmers on medicinal plants (Date: 29-11-2021)

Krishi Vigyan Kendra, Navsari Agriculture University Navsari and RCFC-WR regional center of National Medical Plant Board, Ministry of AYUSH, Government of India jointly organized training on medicinal plants at KVK, Navsari on 29-11-2021. In presents of Dr. C. K. Timbadia, Director of Extension Education, NAU, Navsari, Dr. Chetna Jani, CEO Gujarat medical plant board, Ghandhinagar, Dr. D. N. Mogat, Principal investigatores of RCFC-WR-NMPB, Dr. Babulal Nakrani, BAMS, Khadsupa guest remain present in that event. More than 50 farmers participated in that program.

Swachhta Abhiyaan and Sawchhata Compaign

Sr. No.	Date	Place	Activity Name	No.of Participants
1	1/10/21	KVK, Navsari	office building and surrounding cleanliness	29
2	4/10/2021	KVK, Navsari	swachhbhart abhiyan swachhta pledge done	53
3	5/10/2021	NAU,Campus	footh part outside the university campus was clean	24
4	16/10/2021	Mohanpur	swachhta Awareness program	42
5	06/10/2021	Satimal	Compost & vermi compost preparation from Agricultural west & residue production of organic input	45
6	07/10/2021	Anklach	Special Swachhta Abhiyan	38
7	26/10/2021	Daladha	Use of bio fertilizer & micronutricens	31
8	26/10/.2021	Kanboya	vigillance awarness week	31
9	27/10/2021	Gholar	Vigllance awarness programme	57
10	24/10/2021	KVK, Navsari	Special Swachhta campaign with central industrial security force (CIFC)&RAWE Students	24
11	28/10/2021	Abrama, Mohanpur, Kalthan, Boriyach	swachhta abhiyan & vigillance awerness week celebration	65
12	16/12/21	KVK, Navsari	Swachhta Awareness program	91
13	17/12/21	KVK, Navsari	Stock taking on digitization of office records(2)Review of progress on weeding out old records, disposing of old and obsolete furniture’s, junk materials	24

14	18/12/21	KVK, Navsari	Weeding operation in demonstration plot	17
15	20/12/21	KVK, Navsari	Stock tracing on waste management for organic farming practices, cleanliness of organic demo unit	6
16	21/12/21	KVK, Navsari	Cleanliness drive including cleaning of offices, corridors and premises.	7
17	22/12/21	KVK, Navsari	white washing of tree	7
18	23/12/21	KVK, Navsari	Kisan Divash Celebration	93
19	28/12/21	KVK, Navsari	Generation of wealth from waste	22
20	29/12/21	KVK, Navsari	Planting material preparation	16
21	31/12/21	Ambapani	Swachhta Pledge and cleanning of villae community hall	41
	Total Activities: 21			**763**

Celebration of World Soil Day (Date: 05-12-2021)

Krishi vigyan kendra Navsari Agricultural University Navsari and KRIBHCO Surat jointly organized world soil day on 5-Dec 2021 President of the function Dr. C. K. Timbadia, Director of Extension Education, NAU, Navsari, and other dignitaries Smt Prafulben Desai, Board member, NAU, Navsari, Shri. P. V. Kachhadiya, Senior area manager KRIBHCO, Surat, KVK, Navsari staff and farmers were present his presidential address underlined the significance of soil health restoration for the society well being. He also urged to maintain the soil health in all possible ways. More than 90 farmers participated in this program.

Subhash Palekar Natural Farming (SPNF) workshop (Date : 25 to 27/12/2021)

Hon'ble Acharya Devvrat, Governor of Gujarat inaugurated the workshop on Subhash Palekar Natural Farming (SPNF) in the presence of Hon'ble Mukesh Patel Minister of States Agriculture, Government of Gujarat. Shri Bhikhubhai Ahir, President of Navsari Jilla pranchayat, Dr. S. R. Chaudhary, Director of research, Navsari Agricultural University Navsari, Shri Prafulbhai, President of SPNF, Gujarat, Dr. C. K. Timbadia, Directorate of Extension Education, NAU, Navsari, Gujarat. More than 3400 South Gujarat farmera along with ATMA Project, Gandhinagar, Gujarat and Prakrutik Kheti Sayojak Samiti were present on 25 to 27 Dec 2021 at samarpan ashram, Dandi. Navsari




Pre- Vibrant Gujarat in Natural Farming Stall (Date: 13 to 16 -12-2021)

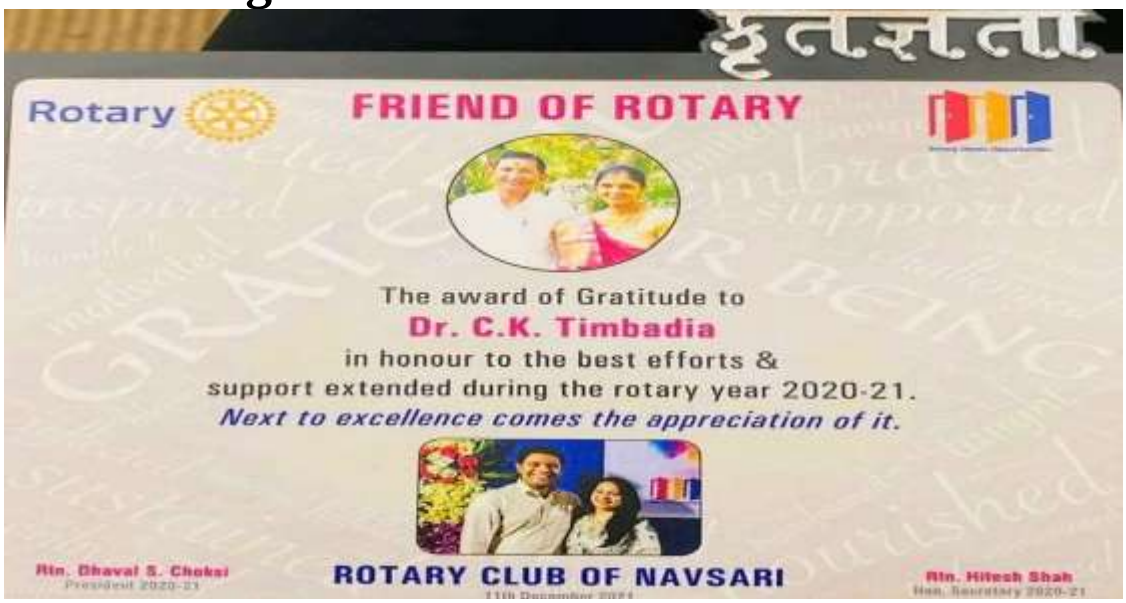
Krishi Vigyan Kendra Navsari participated in Pre- Vibrant Gujarat at Anand Agricultural University, Anand on dated 13/12/21 to 16/12/21 Under the theme of “Natural Farming” Stall was installed about 800 farmers enquired about Natual farming practices and concerned to join natural farming practices in near future.




Celebration of Kisan Divash (Date: 23-12-2021)

Krishi vigyan kendra, Navsari Celebrated " Kisan divash" in presidential presence of Dr. C. K. Timbadia,DEE, NAU, Navsari, He explain the role and importance of farmer for national food security, newly appointed sarpanch shri and Progressive farm women were felicitated for their contribution in both farming and farming community. More than 87 farm women participated in this program.


Award and Recognition



Felicitated by Rotary Club of Navsari for best efforts & support extended during the rotary year 2020-21

Dr. C. K. Timbadia Director of Extension Education, KVK Navsari received Felicitated by Shri Acarya Devvratji Hon'ble Governor Government of Gujarat during Natural Farming shibir at Amreli District on 15 November

Dr Prabhu Nayaka Scientist plant protection Felicitated by Hon'ble Governor Government of Gujarat shri. Acharya Devvratji in occasion on the Natural Farming Workshop held at Dandi

Dr. Kinjal A. Shah, Scientist Agronomy Felicitated by Shri. Acharya Devvratji, Hon'ble Governor, Government of Gujarat. on the occasion of Natural Farming Workshop held at Dandi Samarpan Ashram.

Dr. Sumit Salunkhe Scientist Agril. Extension Felicitated by Shri. Acharya Devvratji, Hon'ble Governor, Government of Gujarat. On the occasion of Natural Farming Workshop held at Dandi Samarpan Ashram.

APR SUMMARY

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

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	103	1899	1839	3738
Rural youths	18	231	255	486
Extension functionaries	1	70	4	74
Sponsored Training	14	318	278	596
Vocational Training	4	0	193	193
Total	**140**	**2518**	**2569**	**5087**

2. Frontline demonstrations

Crops/Enterprise	No. ofFarmers	Area(ha)	Units/Animals
Oilseeds			
Pulses	733	40.3	
Cereals	617	154.8	
Vegetables	303	2.69	
Fruits	818	162.68	
Tuber	76	1.15	
Other crops			
Total	**2547**	**361.62**	
Livestock & Fisheries	112	14	
Other enterprises	640	10.5	
Total	752	24.5	
Grand Total	**3299**	**386.12**	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	5	30	30
Livestock	1	1	12
Various enterprises			
Total	**5**	**31**	**42**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	**5**	**31**	**42**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	568	22311
Other extension activities	8	109
Total	576	22420

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Market-ing	Awar e-ness	Other enterprise	Total
	Text only	31	3	6	8	11	18	77
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	31	3	6	8	11	18	77
	Total farmers Benefitted	**55874**	**6693**	**12548**	**12546**	**2021 5**	**22015**	**129891**

6. Seed & Planting Material Production

	Quintal/Number/Kg	Value (Rs.)
Seed (q)	196.78	669004
Planting material (No.)	9142	38269
Bio-Products (kg)		
Livestock Production (No.)		
Fishery production (No.)	2714	271400

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (Rs.)
Soil	255	
Water	260	
Plant	-	
Total	**515**	

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	7
2	Conferences	3
3	Meetings	15
4	Trainings for KVK officials	-
5	Visits of KVK officials	-
6	Book published	1
7	Training Manual	-
8	Book chapters	-
9	Research papers	5
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	8
13	Proceedings	-
14	Award & recognition	-
15	On going research projects	-