DETAILS OF ACTION PLAN OF KVKs DURING 2017-18

(1st April 2017 to 31st March 2018)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra, **AMBHETI** Ta. Kaparada Di. Valsad Via. Vapi **Gujarat Pin. 396 191**	Office (1) 02633 260055	FAX 02633 260055	**kvkvalsad@gmail.com**	www.kvkvalsad.org

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

Address	Telephone		E mail	Website
	Office	**FAX**		
Gujarat Vidyapith Ashram road AHMEDABAD **Pin. 380 014**	(1) 079 2754 5044 (2) 079 2754 1148	079 2754 25 47	registrar @ gujaratvidyapith.org	www.gujaratvidyapith.org

1.2.b. Status of KVK website : www.kvkvalsad.org

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : not available

1.2.d Status of ICT lab at your KVK : Nil

1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
	Residence	Mobile	E .mail
Dr. R.F.Thakor	--	94271 29451	rthakor1965@yahoo.co.in

1.4 Year of sanction : Sanction letter F. No. 5 (108) / 90 - KVK 28th March 1991
Year of Establishment : 21th Sept. 1992

1.5. Staff position (as on 30 Nov. 2016)

Sr. No	Sanction post	Name of the incumbent	Designation	Discipline	Pay scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent / Temporary	Category	Mobile No.	Email id	Please attach recent photograph
1	Sr. Sci. & Head	Dr. R.F.Thakor	Sr. Sci.& Head	Ext . Edu.	37400-67000	57520	19/05/01	Permanent	Other	94271 29451	rthakor1965 @yahoo.co.in	
2	SMS	Sh. K.A.Patel	SMS	Pl. Prot.	15600-39100	32960	28/02/94	Permanent	Other	94268 89148	kamlesh.patel 40@gmail.com	
3	SMS	Sh. A.R.Patel	SMS	Ext . Edu.	15600-39100	32960	23/01/96	Permanent	Other	94283 81449	arvindkvkvalsad@gmail.com	
4	SMS	Sh. L. T. Kapur	SMS	Soil Science	15600-39100	23890	16/12/06	Permanent	SC	89806 19497	ltkvkambheti @gmail.com	
5	SMS	Sh. M.M.Gajjar	SMS	Agronomy	15600-39100	17550	17/09/13	Permanent	Other	75748 50527	gajjarmit4772@ yahoo.com	
6	SMS	--	--	Horti.	15600-39100	--	--	--	--	--	---	
7	Programme Assistant	Smt. P.R.Ahir	Programme Assistant	Home Sci.	9300-34800	19260	01/05/01	Permanent	OBC	94294 50875	---	
8	Programme Assistant	Sh. B.M.Patel	Programme Assistant	Ani .Sci.	9300-34800	17950	02/12/02	Permanent	Other	94271 41759	kvkbalu@ rediffmail.com	

9	Programme Assistant	Sh. P.J.Joshi	Programme Assistant	Agri. Engg.	9300-34800	19070	23/12/02	Permanent	Other	9099966899	Prjoshi1p@rediffmail.com	
10	Farm manager	Sh. P.R.Patel	Farm manager	Farm manager	9300-34800	18460	01/05/01	Permanent	OBC	9687636758	paresh1567@gmail.com	
11	Office Super.	Sh. C.D.Patel	O.S	O.S	9300-34800	10560	27/09/13	Permanent	Other	7574850529	cp.kvk8272@gmail.com	
12	Jr. steno cum Acco.	Sh. V.B.Patel	Jr. st. cum Acc.	Accountant	5200-20200	13350	01/11/99	Permanent	ST	9687636748	vinodkvkambheti@gmail.com	
13	Driver	Sh. R. D.Rohit	Driver	Driver	5200-20200	9120	16/06/08	Permanent	SC	9726925033	rdrohit1976@gmail.com	
14	Driver	Sh. H.G.Valand	Driver	Driver	5200-20200	8780	01/08/09	Permanent	OBC	9925766511	harikrushna1979@gmil.com	
15	Supporting Staff	Sh. A.R. Patel	Peon	Office attendant	5200-20200	8640	01/11/99	Permanent	ST	7575804956	ashokpatelambheti@gmail.com	
16	Supporting Staff	Sh. B.M. Patel	Farm attendant	Farm attendant	5200-20200	5860	01/04/13	Permanent	OBC	9638591252	bhavinpatel386510@gmail.com	

1.6. Total land with KVK (ha) : 20 ha

Sr . No.	Item	Area (Ha.)
1	Under building	2.0 ha.
2	Under demonstration unit	1.0 ha
3	Under crops	8.0 ha
4	Horticulture	6.0 ha
5	Pond	--
5	Others (Grass land)	3.0 ha.

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 /GVP	1998	720 Sq.mt	2874422	--	--	--
2.	Farmers Hostel	ICAR		138 Sq.mt		--	--	--
3.	Staff Quarter	ICAR	1999	154 Sq.mt	1585055	--	--	--
4.	Demonstration Units -- Dairy Demo. Unit	ICAR , TSP ,Valsad	2006	100 Sq.mt	204312	--	--	--
5	Fencing	--		--		--	--	--
6	Bore well	ICAR	2012	300 ft	497095	--	--	--
7	Threshing floor	ICAR	2006	100 Sq.mt	123818	--	--	--
8	Farm godown	ICAR	2010	100 Sq.mt	373168	--	--	--
9	Implement shed	ICAR	2011	140 Sq.mt	300000	--	--	--
10	Soil-water testing lab.	ICAR	2007	--	612387	--	--	--
11	Plant Health Clinic	ICAR	2012	--	999953	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	1993	1,94,850	Approx. 47,000 hrs.	Replacement requires.
Tractor Trolley	1995	61,500	-	Replacement requires.
Jeep (Bolero)	2010	477058	153645	Working condition.
Power tiller	2010	1,55,500	--	Working condition.
Motor Cycle	2011	49995	9202	Working condition.

C) Equipments & AV aids

Name of the Equipment	Year of purchase	Cost (Rs.)	Present status
P A S system	1997	10230	Working condition.
Computer -2	2007 & 2010	1,02,270 +50,000	Working condition.
L C D	2007	75,400	Working condition.
Camera -2	1997 & 2007	2675 + 15250	Working condition.
Lap Top -2	2007 & 2012	51,750	Working condition.
P A S system	2009	28057	Working condition.
Handicam	2009	12990	Working condition.
Generator set	2009	37972	Working condition.
Laptop -Lenevo	2012	36368	Working condition.
LED -Sony	2015	52000	Working condition.

1.8. A). Details of SAC meetings to be conducted in the year

Sl. No.		Date
1.	Scientific Advisory Committee	Dec - 2017

2. DETAILS OF DISTRICT

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

Sr. No.	Farming systems / enterprises
1	Agriculture farming systems
2	Agri - Horti farming systems
3	Agri – Horti -Dairy farming systems
4	Agri - Silviculture farming systems

2.2 Description of Agro-Climatic zone and major agro ecological situations (based on the soil and topography)

a) **Soil type**

Sr. No.	**Agro-Climatic zone**	**Characteristics**
1	South Gujarat Heavy Rainfall Zone -I	Annual Average rainfall 2000-2200 mm
		Black to medium black soil.
		Sticky and Heavy soil.
		Stip slopes cause heavy runoff of rain water resulting into soil erosion.

b) Topography

Sr. No.	**Agro-ecological situation**	**Characteristics**
1	Agro-ecological situation – I & II	- Costal belt - Western part
		- Medium black to black soil
		- Hilly ,Shallow ,Undulating land – Eastern part

2.3 Soil types

Sr. No.	**Soil type**	**Characteristics**	**Area in ha.**
1	Shallow soil	- Poor fertility & water holding capacity.	--
2	Medium black to black soil	- Sticky and Heavy in nature .	--
3	Hilly ,Shallow ,Undulating land	- Non fertile and mostly non agril land	--
			2,94,412 ha.

2.4 Area , Production and Productivity of major crops cultivated in the district (2015-16)

Sr. No.	Crops	Area (,000 ha.)	Production (,000 tones.)	Productivity (Kgs / ha.)
1	**Food grains**			
	Paddy (irrigated)	21.184	69.9072	3300
	Paddy (Unirrigated)	51.572	133.055	2580
	Total Paddy	**72.756**	**202.962**	**2789**
	Ragi (Finger millet)	4.304	4.304	1000
	Jowar	0.059	0.068	1156
	Pigeon Pea	7.640	5.424	710
	Urid	5.827	3.737	641
	Mung	0.065	0.045	700
	Val	2.808	2.017	718
	Gram	3.510	2.895	825
	Groundnut	0.217	0.3276	1510
	Niger	3.588	1.5966	440
	Sugarcane	7.280	540.72	74275
	Total Field crops	**108.054**	**228.49**	
2	**Fruit crops**			
	Mango	26.250	157.50	6000
	Chiku	3.345	32.513	9720
	Banana	0.770	43.274	56200
	Papaya	0.145	6.254	43130
	Cashewnut	5.590	18.11	3240
	Coconut	2.930	29.30	10000
	Total	**39030**	**286.94**	

3	**Vegetables**			
	Brinjal	1.625	26.00	16000
	Okra	1.620	16.20	10000
	Tomato	1.405	29.50	21000
	Cucurbits	2.831	62.28	22000
	Total	**7.475**	**133.98**	17000
4	**Spices & condiments**			
	Chilly	0.1	1.14	11400

Source: District agriculture department.

2.5. Weather data (2016)

Month	**Rainfall (mm)**	**Rainy days**	**Temperature C**		**Relative Humidity (%)**	
			Maximum	**Minimum**	**Maximum**	**Minimum**
January	0	0	31.68	9.35	72.7	33.73
February	0	0	32.27	12.71	84.61	45.95
March	0	0	35.94	15.13	67.32	38.96
April	0	0	36.07	19.76	70.48	46.87
May	0	0	36.03	25.21	76.07	55.25
June	168	09	34.13	26.38	81.04	70.79
July	1465	28	29.5	22.73	95.71	88.37
August	509	22	30.12	24.22	91.13	82.61
September	490	18	29.71	22.72	94.47	80.91
October	39	05	32.96	18.35	85.69	57.49
November	0	0	34.84	11.91	75.67	33.17
December	0	0	--	--	--	--

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

Category	Population	Production	Productivity
Cattle	247601	69.93	--
Crossbred	38869	26.31	6.137
Indigenous	208732	43.62	1.884
Buffalo	96487	35.45	3.014
Sheep	3433	--	--
Goats	105094	--	--
Pigs	1825	--	--
Poultry	773599	--	--
Ducks	1262	--	--

Source : CDAP-Valsad

2.7 Details of Operational area / Villages

Sr. No.	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Area
1	Kaparada	Karjun, Mendha, Nandgam, Chavshala, Khutali, Dhodhadkuva, Kolvera,.	Paddy , Fingermillet, Pulses, Mango, Cashewnut Vegetables , Micro irrigation & Dairy.	Low productivity in all crops. Non availability of improved seeds. Shortage of labour. Heavy infestation of weeds. Water scarcity Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.

2	Dharampur	Sadadvera, Nani vahiyal, Samarsingi, Pangarbari,	Paddy , Mango, Pulses, Cashewnut Vegetables & Dairy .	Low productivity in all crops. Non availability of improved seeds. Heavy infestation of weeds. Water scarcity Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.
3	Pardi	Goima, Asma, Ambach, Arnala, Pati, Lakhmapore,	Paddy , Sugarcane, Pulses, Vegetables , Mango & Dairy.	Low productivity in all crops. Non availability of improved seeds. Shortage of labour. Heavy infestation of weeds. Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.
4	Umargam	Saronda, Aklara, Borigam	Paddy ,Mango, Sugarcane & Vegetable.	Low productivity in all crops. Non availability of improved seeds. Shortage of labour. Water scarcity Soil salinity	ICM ,INM, IPM, IWM
5	Valsad	Ozar, Juzva,	Paddy ,Mango, Sugarcane, Pulses & Vegetable.	Low productivity in all crops. Non availability of improved seeds. Heavy infestation of weeds. Shortage of labour. Soil salinity Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.

2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Paddy	Varietal evaluation ,ICM, IWM, INM, IPM
Fingermillet	Varietal evaluation ,ICM, IWM, INM, IPM
Sweetpotato	Varietal evaluation ,ICM, IWM, INM, IPM
Greengram, Chickpea, Indianbean	Varietal evaluation ,ICM, IWM, INM, IPM
Cucurbits	Varietal evaluation, Integrated Pest & Disease Management, INM.
Sugarcane	Varietal evaluation ,ICM, IWM, INM, IPM
Brinjal	Varietal evaluation ,ICM, IWM, INM, IPM
Fodder crops	Varietal evaluation
Livestock	Feed & fodder mgt., Integrated livestock mgt.
Income generation	Vocational training

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
07	60	124	665

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
47	1195	Field Day	08
		Kisan Mela	01
		Kisan Ghosthi	25
		Exhibition	02
		Film Show	18
		Farmers Seminar	10
		Lectures delivered as resource persons	25
		Group meetings	30

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
Paddy – 100.00	Sugarcane - 700.0 qt.	--	Soil Sample - 400
Greengram – 1.00	Veg. seedlings - 5,00,000 nos	--	Water Sample - 300
Indianbean - 1.00	Fodder Toussecks – 50,000 nos.	--	
	Sweetpotato - 65000 cuttings	--	

3. B. Abstract of interventions to be undertaken

Sr. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.

1	Crop Production	Paddy, Fingermillet, Gram, Sugarcane Blackgram, Greengram, Indianbean, Bittergourd Sweet potato, Pigeonpea	Low Yield	1. Assessment of seed rate of paddy nursery on yield of crop . 2. Assessment of paddy variety for kharif cultivation . 3. Assessment of gram variety for rainfed rabi cultivation .	Demo. of improved variety	ICM practices	Production technology of Paddy, Fingermillet, Gram, Sugarcane Blackgram, Greengram, Indianbean, Bittergourd Sweet potato, Pigeonpea	Field day , Seminar, Kisan gosthi Diagnostic visits.	Seeds ,Bio.Ferti.
2	Integrated Nutrient management	Paddy, Fingermillet Brinjal , Gram, Bittergourd Sweetpotato Sugarcane	Low yield	1. Assessment of nutrient management through foliar application in rainfed gram cultivation 2. Assessment of growth promoter Thiourea on yield of summer paddy	Demo. on INM	INM practices	Package of practices for INM	Field day , Seminar, Kisan gosthi Diagnostic visits.	Azolla, LBF & micro nutrients

3	Integrated Pest & disease management	Paddy, Fingermillet Gram Brinjal Bittergourd Sugarcane	Low yield	1.Assessment of pesticides for management of hoppers in mango 2. Assessment of variety for management of mosaic disease in bitter gourd	Demo. of IPM techniques	IPM practices	Ecofriendly pest- disease mgt.	Kisan gosthi Diagnostic visits.	IPM kits
4	Feed & fodder mgt.	Fodder sorghum	Low yield	--	Demo. of improved Fodder variety	Scientific mgt. of milch animals	--	Seminar, Kisan gosthi Diagnostic visits.	Treated seeds
5	Integrated water management	Paddy, Brinjal Bittergourd Sugarcane Sweetpotato	Low yield	--	--	IWM practices	Soil & water conservation practices	Field day , Kisan gosthi Diagnostic visits.	Plasic mulching
6	Nutritional management	Vegetables	Low yield	--	Demo. of improved variety	ICM practices	--	Kisan gosthi Diagnostic visits.	Seeds & seedlings
7	Income generation	Mushroom vultivation	No income	--	--	Vocation	--	--	--

	activities	Preparation of articles from natural fibres	No income	--	--	al training	--	--	--

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	01		01							02
Integrated Nutrient Management	01		01							02
Integrated Pest Management						01				01
Integrated Disease Management					01					01
Integrated CropManagement	01									01
TOTAL	**03**		**02**		**01**	**01**				**07**

A.2. Abstract on the number of technologies to be refined in respect of crops : Nil

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises : Nil

A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises : Nil

B. Details of On Farm Trial

On Farm Testing : (1)

Title : Assessment of seed rate of paddy nursery on yield of crop.

Introduction :

Paddy is one of the major cereal crop of valsad district. Paddy occupies about 70-80 % of total cropped area. But farmer using more seed rate almost double in nursery with less area for nursery and not preparing the raised bed for raising paddy nursary results crop compete for space, sunlight, nutrient, water etc. so the seedling is thin, not strong and sturdy and healthy and farmer using 4-5 seedlings per hills instead of 2-3 seedlings per hills. This OFT is therefore formulated to assess the ideal seed rate/m^2 for more yield.

Intervening point: Ideal seed rate/m^2 for more yield.

Village : Dhodhadkuva **Taluka :** Kaparada **Area :** 0.02 ha per treatment

No. of farmers: 5

Total Area : 0.2 ha (Transplanting area, 2.00 ha) **Season :** K*harif*– 2017-18

Treatments:

T_1 : Farmers Practice (> 40gm/m^2 flat bed)

T_2 : Recommended (30 gm/m^2 - 10x1m raised bed 100 no./ha)

Appro. Cost :

	Item	Amount (Rs)
1)	Seeds	2100.00
2)	Nursery raising cost	5150.00
	Total (Rs)	**7250.00**

Performance indicators

1. Technical observation : Numbers of tillers per hill, Days of flowering.
2. Economic indicators : Grain yield (q/ha), Straw yield (q/ha), B:C ratio.
3. Farmers reflection : Availability of seed of preferred variety, applicability of technology.

On Farm Testing : (2)

Title of OFT : Assessment of Paddy variety for kharif cultivation.

Introduction

Paddy is the major crop and staple food of district. 90 percent farmers in the district grows rainfed paddy crop and most of the farmer using hybrid variety. Though they are using hybrid variety but they do not maintaining plant population, injudicious use of fertilizer, susceptible to lodging, plant protection measures etc. Farmers are purchasing costly hybrid seeds every season and they are dependent on private seed company. Market price of hybrid paddy is less and cost of production is more which resulted into low net realization. By adoption of improved variety which is high yield potential, resistant to disease and pest, lodging resistant, good market price and importantly no need to purchase seeds every season.

Problem : Low B :C ratio

Intervention : Comparison of improved varieties of paddy with hybrid variety.

Village : Asma **Taluka :** Pardi

Crop : Paddy **Season :** K*harif*– 2017-18 **No. of farmers :** 10

Plot size : 0.10 ha for each treatment (Total area : 2.00 ha)

Treatments:

T1 : Farmer's practices (hybrid)

T2: GAR-13

Appro. Cost :

1. Seed of improved variety : 5400 Rs
2. LBF : 1200 Rs

Total cost : 6600 Rs

Performance indicators

1. Technical observation : Numbers of tillers per hill, Days of flowering.
2. Economic indicators : Grain yield (q/ha), Straw yield (q/ha), B:C ratio.
3. Farmers reflection : Availability of seed of preferred variety, acceptability and applicability of technology.

On Farm Testing : (3)

Title of OFT : Assessment of Gram variety for rainfed *Rabi* cultivation.

Introduction

Gram is almost raised under conserved moisture and crop is sown after paddy in *rabi* season. The farmers are maintaining relatively higher plant population in early stage of growth which invites competition among the plants for moisture, nutrients, space, etc. Plant protection measures are rarely used. Varieties used by farmers are small seeded, poor in quality, having poor yield potential and susceptible to pest and disease. However, farmers preferred bold seeded, brown coloured grain variety with good cooking quality & taste, have higher yield and good market price

Problem : Low yield of rainfed *Rabi* gram.

Intervention : Assessment of improved varieties of gram for rainfed rabi season.

Village : Sadadvera **Taluka :** Dharampur

Crop : Gram **Season :** Rabi -2017-18

No. of farmers : 10 **Plot size :** 0.05 ha for each treatment (Total area : 1.00 ha)

Treatments:

T1 : Growing local variety with local practices

T2 : Growing GG-2 with improved practices

Appro. Cost :

1. Seed of improved variety : 7000 Rs
2. LBF(seed treatment) : 240 Rs.

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7240 Rs

Performance indicators

1. Technical observation : Numbers of branches per plant at harvest , Numbers of Pods per plant.
2. Economic indicators : Grain yield (q/ha), B:C ratio.
3. Farmers reflection : Availability of seed of preferred variety, acceptability and applicability of technology.

On Farm Testing : (4)

Title of OFT : Assessment of pesticides for management of hoppers in mango

Introduction :

Valsad, predominantly a tribal district is famous for its quality horticultural produce like Mango, Sapota and Vegetables such as Brinjal. Chilly, Bottlegourd, Bittergourd and Tomato. Gujarat has been known for producing high quality Alphanso, Kesar variety of Mango. Valsad district of south Gujarat is well known for its world famous variety-Alphanso.

It is observed that particularly in the Pardi block of Valsad district, mango growers are facing problem of attack of mango hoppers. Mango hopper is a regular pest in this area. Attack of hoppers causes lot of damage to mango crop . Therefore, there is a higher economic loss from producer point of view as it lower down the yield and deteriorate fruit quality resulting into low market value. It was also observed that the farmers in this area are using different insecticides with no result. It is possible that the pest might have created some resistant power against certain pesticides. Therefore, it is necessary to check efficacy of different pesticides for proper management of mango hoppers.

Problem : Low productivity in mango

Intervening point : Management of hoppers in mango.

Season/Year : Rabi 2017-18

Crop : Mango **No. of Farmers** : 10

Village : Lakhmapor **Block :** Pardi

Plot size : 0.20 ha (0.10 ha per treatment) **Total area** : 2.00 ha.

Treatments :

T1 : Farmers practices (arbitrary use of pesticides i.e. Cypermethrin 25 EC @ 3ml/10 lit and Imidachloprid 17.8 SL@ 3 ml/10 lit)

T2 : First spray of Imidachloprid 17.8 SL@ 3 ml/10 lit at early stage of panicle formation and second spray of Thiomethoxam @ 2 g / 10 lit after fruit set .

Approx. Cost of Inputs :

1. Cypermethrin 25 EC : 1000 Rs
2. Imidachloprid 17.8 SL : 2000 Rs
3. Thiomethoxam : 2000 Rs

Total : 5000 Rs

Performance indicators

1. Technical observation : Infestation of mango hopper, damage on crop.
2. Economic indicators : Yield (q/ha), B:C ratio and selling price of fruits.
3. Farmers reflection : Availability of pesticides , acceptability and applicability of technology

On Farm Testing (5)

Title of OFT : Assessment of varieties for management of mosaic disease in Bitter gourd.

Introduction :

The area under vegetable crops in Kaparada block of Valsad district is increased during last decade owing to the high profitability as compared to other crops. Bitter gourd is an important vegetable crop particularly in tribal hilly area of Kaparada block.

Farmers of this area are using hybrid variety of different companies. Mosaic – a viral disease is a serious threat to commercial production of bitter gourd in Kaparada block of Valsad district. Farmers waste lot of money for spraying pesticides with no result in control. Therefore, it is very necessary to think for proper management of this disease. So, this KVK has decided to assess varieties for the management of mosaic disease in Bitter gourd.

Problem : Low productivity in Bitter gourd

Intervening point : Management of mosaic disease in Bitter gourd through varietal assessment.

Crop : Bitter gourd **Season/Year :** Kharif- 2017

Village : Nandgam **Block :** Kaparada

Plot size : 0.10ha (0.05 ha per treatment) Total area : 1.00 ha.

No. of Replication : 10 (farmers)

Treatments :

T1 : Farmers practices (Kohinoor variety.)

T2 : Mosaic resistant variety (Vivek) + Removal of infected plant and spraying of systemic insecticide for control of vector.
(Source : Sun grow Company.)

Approx. cost of inputs :

1 . Variety (Kohinoor) : 3000 Rs

1. Variety (Vivek) : 3000 Rs
2. Insecticide (Imidachloprid) : 1000 Rs

Total : 7000 Rs

Performance indicators

1. Technical observation : Incidence of mosaic disease , damage on crop.

2. Economic indicators : Yield (q/ha), B:C ratio.
3. Farmers reflection : Availability of seeds of preferred variety , acceptability and applicability of technology

On Farm Testing (06) (New)

Title : Assessment of nutrient management through foliar application in rainfed Gram cultivation

Introduction:

In Valsad district Gram is almost raised under conserved moisture and crop is sown after paddy in Rabi season particularly the end of September to first forth night of October. Due to rainfed cultivation and poor economic condition of farmers are not applying adequate quantity of fertilizers leads to low yield and profitability in Gram cultivation.

Problem : Lower productivity and profitability in Gram cultivation

Intervening point **:** Nutrient management through foliar application

Crop	**:** Gram	**Season**	**:** Rabi -2017-18
Village	**:** Arnala	**Block**	**:** Pardi
Area	**:** 0.05 ha per treatment	**No. of farmers**	**:** 10
Total Area	**:** 1.0 ha		

Treatments:

T_1 : Farmers practice (No use of fertilizers)

T_2 : Recommended practice

(20:40:00 kg N:P:K / ha + 25 kg $ZnSO_4$/ha + Foliar application of Urea @2% at 50% flowering) (NAU recommended)

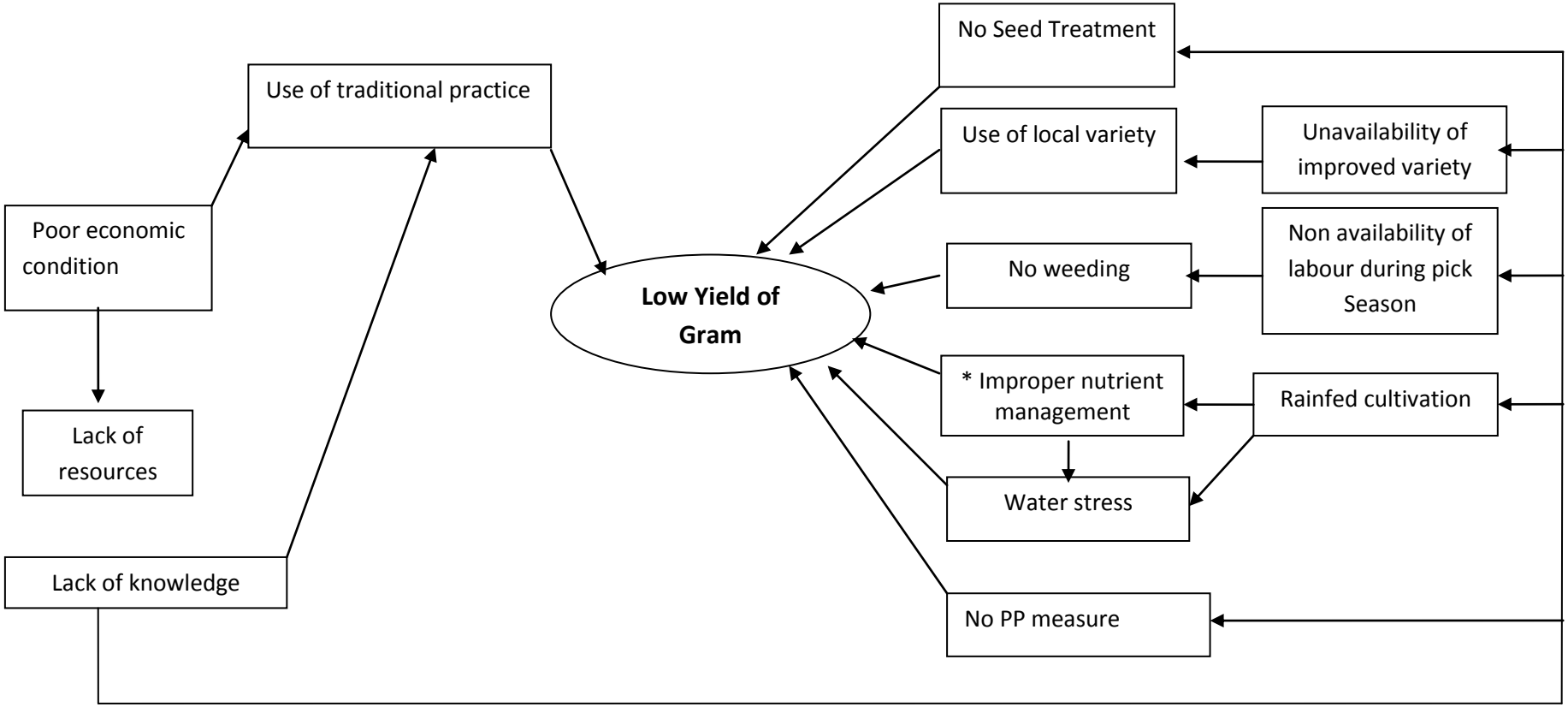
Approx. cost of inputs

1.	Seed	:	4000 Rs.
2.	Zinc sulphate	:	3000 Rs
3.	Urea	:	1000 Rs
4.	Other	:	1000 Rs
	Total	:	9000 Rs

Performance indicators

1. Technical observation : Days of flowering, Duration of crop.
2. Economic indicators : Yield (q/ha), B:C ratio
3. Farmers reflection : Availability of fertilizers, acceptability and applicability of technology

Problem Cause Diagram



Socio-Economic

Bio-Physical

* Intervening Point

On Farm Trial (07) (New)

Title - Assessment of growth promoter Thiourea on yield of summer paddy

Introduction :

Paddy is a major crop of valsad district. Thiourea is an organo-sulfur compound, structurally similar to urea except that oxygen atom is replaced by a sulfur atom. Thiourea is control the redox regulatory mechanisms associated with different abiotic stresses in plants. At physiological level, Thiourea is associated with enhanced metabolite translocation from leaves to panicle. It can be use for increasing grain filling under drought and stress conditions in paddy crop. So, this KVK has decided to conduct experiment to assess the Thiourea application in paddy crop.

Problem : Low productivity of summer paddy

Intervening point : Application of Thiourea

Crop : Paddy **Variety :** Jaya

Year : 2017-18 **Season :** Summer

Village : Lakhmapore

Plot size : 0.20 ha.(0.10 ha per treatment) **No. of farmers :** 05 **Total Area :** 1.0 ha

Treatments :

T_1- Farmer practice (No use of Thiourea)

T_2- Soaking of paddy seed in 1000 ppm Thiourea solution (25 gm / 25 lit / ha.) for 12 hrs. + Spray of 1000 ppm **(1gm/1 lit)** Thiourea solution at second leaf stage of paddy nursery.

Source of technology - Research scientist (soil &water), Main rice research station Navsari Agri. Uni. Navsari, Year -2014

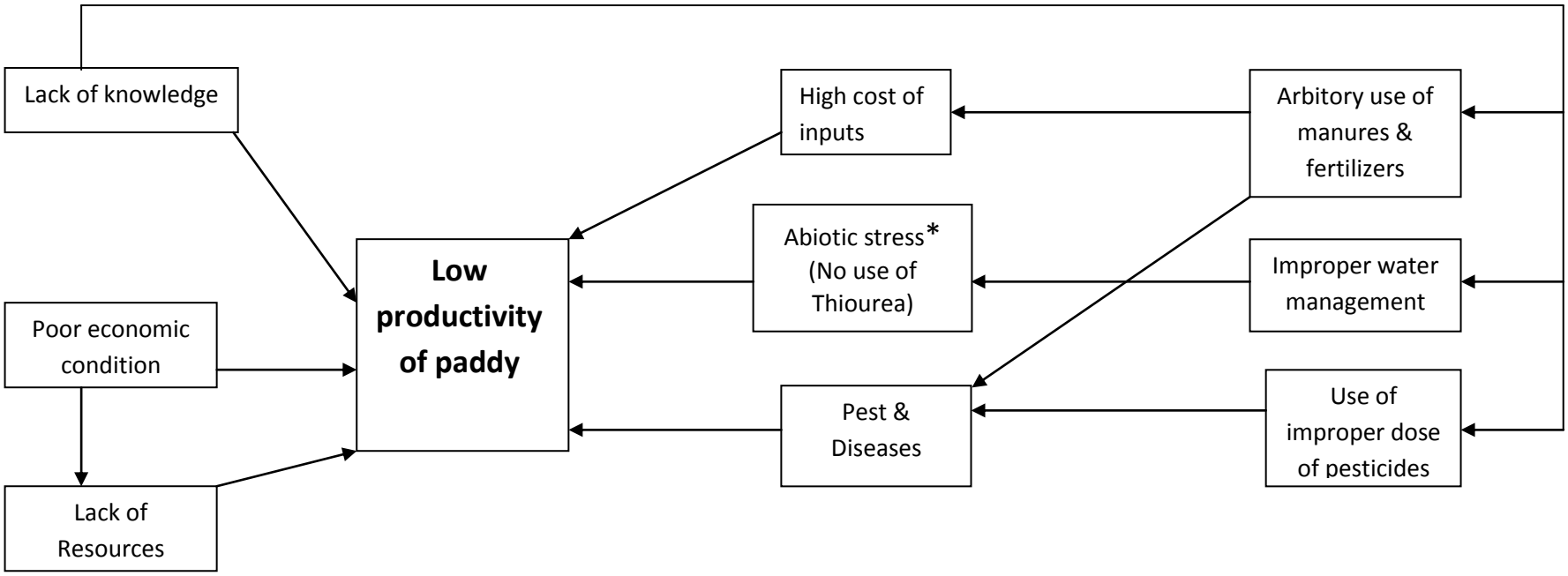
Approx. cost of inputs

1. Seed (30 kg/ha)	:	900.00 Rs.
2. Thiourea (75 gm)	:	50.00 Rs.
3. Other cost	**:**	5000.00 Rs
	Total :	**5950 .00 Rs.**

Performance indicators

1. Technical observation : Numbers of tillers per hill, Days of flowering.
2. Economic indicators : Grain yield (q/ha), Straw yield (q/ha), B:C ratio.
3. Farmers reflection : Availability of inputs, acceptability and applicability of technology.

Problem-Cause Diagram



Socio-economic

Bio-physical

* Intervening point

3.2 Frontline Demonstrations

A. Details of FLDs to be organized .

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo	Parameters identified
1	Paddy	GAR-13	ICM	Improved variety, Seed & Seedling Treatment, INM, Management of stem borer, hopper , blight & blast	Seed + LBF (Azotobacter, PSB, KMB)+ Neem oil + Pseudomonas	Kharif-17	25	125	Yield, Damage, Soil fertility, B:C ratio
2	Fingermillet	Guj. Nagli-5	ICM	Improved variety, INM, Management of stem borer and blast	Seed + LBF (Azospirillum,PSB, KMB)+ Neem oil + Pseudomonas	Kharif-17	20	100	Yield, Damage, Soil fertility, B:C ratio
3	Pegion Pea	Vaishali	ICM	Improved variety, Seed Treatment, INM	Seed + LBF	Kharif-17	5	25	Yield, B:C ratio
4	Brinjal	DPR	ICM	Improved variety, INM, Management of fruit borer, sucking pest & wilt	Seedlings, LBF, Micro nutrient, Traps, Neem oil, Trichoderma	Kharif-17	5	25	Yield, Damage, B:C ratio
5	Indian Bean	NPS-1	ICM	Improved variety, Line sowing, Seed Treatment , INM	Seed + LBF	Rabi-17-18	2	20	Yield, B:C ratio
6	Indian bean	Guj.Val-2	ICM	Improved variety, Line sowing, Seed Treatment, INM	Seed + LBF	Rabi-17-18	5	50	Yield, B:C ratio

7	Chickpea	GJG-3	ICM	Improved variety, Line sowing, Seed Treatment, INM, Management of pod borer	Seed + LBF + Neem oil	Rabi-17-18	10	50	Yield, Damage, B:C ratio
8	Green gram	GAM-5	ICM	Improved variety, Line sowing , Seed treatment, INM	Seed + LBF	Summer-17-18	10	50	Yield, B:C ratio
9	Bittergourd	F1 (Akash)	ICM	Improved variety, INM, Management of fruil fly & Diseases	Seed, LBF, Fruitfly traps, fungicide	Kharif-17	5	25	Yield, B:C ratio
10	Sweet potato	Co-3-4	ICM	Improved variety, Seed treatment, INM	Seed, LBF, Chlorpyriphos	Kharif-17	2	20	Yield, B:C ratio
11	Sugarcane	CON-04131	ICM	Improved variety, Seed treatment, INM	Seed, LBF, Phospho gypsum	Rabi-17-18	5	25	Yield , B:C ratio
12	Paddy	--	Water cons. and Nutrient use efficiency	Pusa hydrogel	Hydrogel	Kharif-17	10	25	Yield
13	Paddy	--	INM	Azolla	Azolla bed	Kharif-17	10	25	Yield , soil fertility
14	Perennial grass	Co – 4	ICM	Improved variety	Seed	Kharif-17	5	50	Fodder yield
15	Fodder sorghum	SSG-501	ICM	Improved variety	Seed	Rabi-17-18	5	50	Fodder yield
					Total		**124**	**665**	

Sponsored demonstration -Nil

B. Extension and training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	08	September, December, January, April,	560
2	Farmers training	10	June, July, October, November, December, February	250
3	Media coverage	08	June, July, October, November, December, February	--
4	Training for extension functionaries	--	--	--

C. Details of FLD on Enterprises ; Nil

(i) Farm Implements - Nil

(ii) Livestock Enterprises –Nil

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed management	01	--	--	--	20	15	35	35
Integrated crop management	03	--	--	--	60	45	105	105
II Horticulture	--	--	--	--	--	--	--	--
III Soil Health and Fertility Management								
Integrated nutrient management	01	--	--	--	15	10	25	25
Soil and water testing	01	--	--	--	15	10	25	25
IV Livestock Production and Management								
Dairy management	02	--	--	--	10	40	50	50
Feed management	01	--	--	--	05	20	25	25
V Home Science/Women empowerment								
Household food security by nutrition gardening	01	--	--	--	--	25	25	25
Gender mainstreaming through SHGs	01	--	--	--	--	25	25	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	02	--	--	--	50	--	50	50
VII Plant Protection								
Integrated pest –disease management	02	--	--	--	50	-	50	50
X Capacity Building and Group Dynamics								
Leadership development	01	--	--	--	25	--	25	25
Formation and management of SHGs	01	--	--	--	--	25	25	25
TOTAL	**17**	--	--	--	**250**	**215**	**465**	**465**

(B) Rural Youth								
Farm mechanization	01	--	--	--	20	--	20	20
Value addition	01	--	--	--	--	20	20	20
Natural fiber articles preparation	01	--	--	--	--	20	20	20
TOTAL	**03**	--	--	--	**20**	**40**	**60**	**60**
(C) Extension Personnel								
Women and child care	01	--	--	--		20	20	20
Integrated pest management	01	--	--	--	25	-	25	25
Formation and management of SHGs	01	--	--	--	--	25	25	25
TOTAL	**03**	--	--	--	**25**	**45**	**70**	**70**
G. Total	**23**	--	--	--	**295**	**300**	**595**	**595**

B) OFF Campus

Thematic Area	**No. of Courses**	**No. of Participants**						
		Others			**SC/ST**			**Total**
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed management	01	--	--	--	15	10	25	25
Water management	02	--	--	--	30	20	50	50
Nursery management	01	--	--	--	15	10	25	25
II Horticulture	--	--	--	--	--	--	--	--
III Soil Health and Fertility Management								
Nutrient use efficiency	01	--	--	--	15	10	25	25
Production and use of organic inputs	01	--	--	--	15	10	25	25
IV Livestock Production and Management								

Dairy management	01	--	--	--	05	20	25	25
Feed management	02	--	--	--	10	40	50	50
V Home Science/Women empowerment								
Nutritional gardening	01	--	--	--	--	25	25	25
Vermicompost	01	--	--	--	--	25	25	25
VI Agril. Engineering								
Soil and water conservation	01	--	--	--	25	--	25	25
Drudgery reduction	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	25	--	25	25
VII Plant Protection								
Integrated pest & disease management	02	--	--	--	40	10	50	50
Bio-control for pests and diseases	02	--	--	--	40	10	50	50
X Capacity Building and Group Dynamics								
Group dynamics	01	--	--	--	25	--	25	25
Formation and management of SHGs(HS)	01	--	--	--	--	25	25	25
TOTAL	**20**	--	--	--	**285**	**215**	**500**	**500**
(B) RURAL YOUTH								
Mushroom cultivation	01	--	--	--	--	25	25	25
Natural fiber articles preparation	01	--	--	--	--	25	25	25
TOTAL	**02**	--	--	--	--	**50**	**50**	**50**
(C) Extension Personnel								
Soil sample collection for analysis	01	--	--	--	25	--	25	25
Livestock feed and fodder production	01	--	--	--	25	--	25	25
Total	**02**	--	--	--	**50**	--	**50**	**50**
G. TOTAL	**24**	--	--	--	**335**	**265**	**600**	**600**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed management	02	--	--	--	35	25	60	60
Water management	02	--	--	--	30	20	50	50
Nursery management	01	--	--	--	15	10	25	25
Integrated crop management	03	--	--	--	60	45	105	105
II Horticulture								
III Soil Health and Fertility Management								
Integrated nutrient management	01	--	--	--	15	10	25	25
Soil and water testing	01	--	--	--	15	10	25	25
Nutrient use efficiency	01	--	--	--	15	10	25	25
Production and use of organic inputs	01	--	--	--	15	10	25	25
IV Livestock Production and Management								
Dairy management	03	--	--	--	15	60	75	75
Feed management	03	--	--	--	15	60	75	75
V Home Science/Women empowerment								
Nutritional gardening	02	--	--	--	--	50	50	50
Gender mainstreaming through SHGs	01	--	--	--	--	25	25	25
Vermicompost	01	--	--	--	--	25	25	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	02	--	--	--	50	--	50	50
Soil and water conservation	01	--	--	--	25	--	25	25

Drudgery reduction	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	25	--	25	25
VII Plant Protection								
Integrated pest disease management	04	--	--	--	80	20	100	100
Bio-control of pests and diseases	02	--	--	--	40	10	50	50
X Capacity Building and Group Dynamics								
Leadership development	01	--	--	--	25	--	25	25
Formation and management of SHGs	02	--	--	--	--	50	50	50
Group dynamics	01	--	--	--	25	--	25	25
TOTAL	**37**				**525**	**440**	**965**	**965**
(B) RURAL YOUTH								
Farm mechanization	01	--	--	--	20	--	20	20
Value addition	01	--	--	--	--	20	20	20
Natural fiber articles preparation	02	--	--	--	--	45	45	45
Mushroom cultivation	01	--	--	--	--	25	25	25
TOTAL	**05**	--	--	--	**20**	**90**	**110**	**110**
(C) Extension Personnel								
Women and child care	01	--	--	--		20	20	20
Integrated pest management	01	--	--	--	25	-	25	25
Formation and management of SHGs	01	--	--	--	--	25	25	25
Soil sample collection for analysis	01	--	--	--	25	--	25	25
Livestock feed and fodder production	01	--	--	--	25	--	25	25
Total	**05**	--	--	--	**75**	**45**	**120**	**120**
G. TOTAL	**47**				**620**	**575**	**1195**	**1195**

Details of training programmes attached in **Annexure –I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of extension activity	No. of activities	Farmers			Extension officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field day	08	450	110	560	10	--	10	460	110	570
Kisan mela	01	500	300	800	12	03	15	512	303	815
Kisan gosthi	25	250	200	450	08	02	10	258	202	460
Exhibition	02	2000	1000	3000	10	04	14	2010	1004	3014
Film show	18	250	200	450	--	--	--	250	200	450
Farmers Seminar	10	500	300	800	07	03	10	507	303	810
Workshop	--	--	--	--	--	--	--	--	--	--
Group meetings	30	300	100	400	--	--	--	300	100	400
Lectures delivered	25	1200	800	2000	25	05	30	1225	805	2030
Newspaper coverage	08	--	--	--	--	--	--	--	--	--
Radio talks	08	--	--	--	--	--	--	--	--	--
TV talks	02	--	--	--	--	--	--	--	--	--
Popular articles	08	--	--	--	--	--	--	--	--	--
Extension literature	10	--	--	--	--	--	--	--	--	--
Advisory Services	200	170	30	200	15	--	15	185	30	215
Scientific visit to farmers field	150	200	50	300	20	05	25	220	55	325
Farmers visit to KVK	800	700	100	800	--	--	--	700	100	800
Exposure visits	03	60	30	90	--	--	--	60	30	90
Ex-trainees sammelan	01	--	175	175	--	--	--	--	175	175
Soil health camp	02	75	25	100	--	--	--	75	25	100
Animal health camp	03	40	80	120	05	--	05	45	80	125
Soil test campaigns	01	75	25	100				75	25	100

Mahila mandals conveners meetings	01	--	25	25	--	--	--	--	25	25
Cele. of important days	04	200	100	300	05	02	07	205	102	307
Krishi mohotsava	04	1000	800	1800	10	02	12	1010	802	1812
Pre kharif workshop	01	150	100	250	02	--	02	152	100	252
Pre rabi workshop	02	120	100	220	03	--	03	123	100	223
Total	**1327**	**8090**	**4650**	**12940**	**132**	**26**	**158**	**8372**	**4676**	**13098**

3.5 Target for production and supply of technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	GAR-13, MTU-1010	100.00
PULSES	Green gram	Meha	1.00
	Indianbean	NPS-1	1.00

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Kesar	1000
VEGETABLES	Brinjal Tomato Chilli Cabbage Cauliflower	DPR Hybrid Hybrid Hybrid Hybrid	4,00,000 20,000 70,,000 5,000 5,000
PLANTATION CROP	Sugarcane	Co.N-7072	700 qt.
OTHER (Specify)	Fodder tousseks	Co-4, BNH-10	50,000 (tousseks)
	Sweetpotato	CO-3-4	65000 cuttings

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO Agents				
1 Fruitfly traps	Fruitfly traps	Methyl Euginol traps	2000	--

LIVESTOCK - Nil

3.6. Literature to be Developed/Published

(A) KVK News Letter : Half yearly (January & July)

Date of start : January - 2012

Number of copies to be published : 400

(B) Literature developed/published

Sr. No.	Topic	Number
1	Research paper each scientist	02
2	Technical reports	02
3	News letters	02
4	Training manual all discipline	10
5	Popular article	08
6	Extension literature	10
	Total	**34**

(C) Details of Electronic media to be produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	DVD	KVK- activities and its impact	100

3.7. Success stories / Case studies identified for development as a case. - will be documented.

3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

PRA

I. Field level observations
II. Farmer group discussions
III. Poor yield at farmers level
IV. Existing cropping system

Rural Youth

I. Farmer group discussions
II. Existing cropping system

In-service personnel

I. Farmer group discussions
II. Poor yield at farmers level
III. Existing cropping system

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT : i) PRA

ii) Problem identified
iii) Field level observations
iv) Farmer group discussions

For FLD :

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

3.10 Field activities

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

Block	Village	Year
Kaparada	Khuntali	2012
	Mendha, Kolvera, Dhodhadkuva,	2015
Dharampur	Sadadvera	2015
Pardi	Asma, Arnala,	2014
	Lakhmapor	2015
Valsad	Ozar	2015
Umargam	Borigam	2015

ii. No. of survey/PRA conducted : 06

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. **Year of establishment : 2007**
2. **List of equipments purchase with amount** :

Sr. No	Name of the Equipment	Qty.	Cost (Rs)
1	Automatic KEL Plus, microprocessor Based eight place Macro block Digestion system	1	74,000.00
2	Auto water Distillery	1	9,500.00
3	Conductivity meter	1	6,823.00
4	Electronic KEL Plus, microprocessor Based Automatic nitrogen Distillation system	1	1,25,350.00
5	Flame photometer	1	29,803.00
6	Hot air oven	1	23,000.00
7	Hot plate round	1	8,500.00
8	NOVA willy mill Grinder	1	31,900.00
9	pH meter	1	6,705.00
10	Refrigerator	1	18,475.00
11	Rotary Shaker	1	24,500.00
12	Rotary Shaker	1	29,750.00

13	Spectro photometer	1	35,293.00
14	Weighing scale	1	11,500.00
15	Weighing scale	1	21,500.00
	Total		**4,56,599.00**

4. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil samples	400	400	50	24000
Water samples	300	200	30	15000
Plant samples	80	80	40	--
Total	**780**	**680**	**120**	**39,000**

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sr. No.	Name of organization	Nature of linkage
1	Navsari. Agril. Uni. Navsari	Provides expertise for latest technology and supply of improved seeds of paddy, sugarcane, indian bean and sweetpotato.
2	ATMA	Training and organizing farmers shibir.
3	Dept. of Agril. Valsad.	Involvement of kvk experts for delivering lectures, farmers seminars and

		extension functionaries trainings.
4	Dept. of Horticulture, Valsad	Involvement for lectures delivering in technology week.
5	Dept. of Animal husbandry, Valsad	Joint organization of cattle treatment camp & farmers shibir
6	Dept. of Forest, Valsad	Joint organization of ext. functionaries training.
7	Vasudhara dairy	Joint implementation of farmers, farm women & ext. functionaries training.
8	Rural Technology Institute , Pardi	Joint implementation of vocational trainings.
9	J. N. Trust, Pardi	Joint implementation of farmers trainings & seminars.
10	BAIF, Kaparada	Joint implementation of farmers trainings
11	Jain Irrigation Co , Dharampur	Soil and water sample analysis.
12	Disrtict Industrial Centre,Valsad	Approval of loan case of trainees for bank loan.
13	Jan Shikshan Sansthan Ministry of HRD .	Joint implementation of long term vocational trainings.

a. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sr. No.	Programme	Nature of linkage
1	On campus training	Technical expertise , method demonstration .
2	Interface meeting	Technical expertise by KVK staff
3	Joint visit of ATMA villages	Diagnostic visit on farmers field
4	Kisan gosthi	Technical lectures by KVK staff
5	Lecture delivered	Technical expertise by KVK staff

4.3 Give details of programmes under National Horticultural Mission : NIL

4.4 Nature of linkage with National Fisheries Development Board : NIL

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	Improved cultivation practices of paddy	04
2	Weed and water management in paddy	04
3	Improved cultivation practices of gram	04
4	Improved cultivation practices of greengram	04
5	Improved dairy practices for milch cattle	04
6	Improved feed and fodder mgt. for cattle	04
7	Health management of crossbred cows.	04
8	Soil and water sample testing	04
9	Use and importance of Liquid Biofertilisers	04
10	Installation and maintenance of MIS	04
11	Installation and maintenance of MIS	04
12	Nutritional gardening	04
13	Gender mainstreaming through SHGs	04
14	Management of pest –disease of paddy	04
15	Management of pest-disease of mango	04
16	Leadership development	04
17	Formation and management of SHGs	04
18	Women and child care	04
19	Management of pest-disease of paddy	04
20	Management of SHGs	04
21	Soil sample collection for analysis	04

22	Health management of crossbred cows.	04
23	Farm mechanization	21

6.0 Convergence with departments :

Sr. No.	Name of organization	Nature of convergence
1	Dept. of Agril. Valsad.	Involvement of kvk experts for delivering lectures, farmers seminars and extension functionaries trainings.
2	Dept. of Horticulture, Valsad	Involvement for lectures delivering in technology week.
3	Dept. of Animal husbandry, Valsad	Joint implementation of organizing cattle treatment camp & farmers shibir
4	Dept. of Forest, Valsad	Joint implementation of organizing extension functionaries training.

7.0 Feedback of the farmers about the technologies demonstrated and assessed : ---

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities : ---

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
22-25/05/2017	PF/FW	Improved cultivation practices of paddy	04	20	15	35	20	15	35	35
01-04/08/2017	PF/FW	Weed and water management in paddy	04	20	15	35	20	15	35	35
06-09/11/2017	PF/FW	Improved cultivation practices of gram	04	20	15	35	20	15	35	35
05-08/02/2018	PF/FW	Improved cultivation practices of greengram	04	20	15	35	20	15	35	35
Horticulture										
Livestock prod.										
09-12/04/2017	PF/FW	Improved dairy practices for milch cattle	04	05	20	25	05	20	25	25
23-26/05/2017	PF/FW	Improved feed and fodder mgt. for cattle	04	05	20	25	05	20	25	25
11-14/09/2017	PF/FW	Health management of crossbred cows.	04	05	20	25	05	20	25	25
Soil Health										
03-06/05/2017	PF	Soil and water sample testing	04	15	10	25	15	10	25	25
11-14 07/2017	PF	Use and importance of Liquid Biofertilisers	04	15	10	25	15	10	25	25
Agril. Engg.										
19-22/08/17	PF	Installation and maintenance of MIS	04	25	--	25	25	--	25	25
21-24/11/17	PF	Installation and maintenance of MIS	04	25	--	25	25	--	25	25
Home Science										
12-15/04/2017	PFW	Nutritional gardening	04	--	25	25	--	25	25	25

16-19/05/2017	PFW	Gender mainstreaming through SHGs	04	--	25	25	--	25	25	25
Plant protection										
07-08/07/2017	PF	Management of pest –disease of paddy	04	20	-	20	20	-	20	20
22-25/11/2017	PF	Management of pest-disease of mango	04	20	-	20	20	-	20	20
Capacity Building										
23-26/05/2017	PF	Leadership development	04	25	--	25	25	--	25	25
05-08/12/2017	PFW	Formation and management of SHGs	04	--	25	25	--	25	25	25

ii) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
05-06/06/2017	PF	Nursery management in paddy	02	15	10	25	15	10	25	25
10-11/07/2017	PF	Weed management in paddy	02	15	10	25	15	10	25	25
04-05/11/2017	PF	Water management in gram	02	15	10	25	15	10	25	25
06-07/03/2018	PF	Water management in green gram	02	15	10	25	15	10	25	25
Horticulture										
Live Stock Production.										
06-07/06/2017	PF/FW	Improved dairy practices for milch cattle	02	05	20	25	05	20	25	25
10-11/07/2017	PF/FW	Improved feed and fodder mgt. for cattle	02	05	20	25	05	20	25	25
20-21/11/2017	PF/FW	Improved feed and fodder mgt. for cattle	02	05	20	25	05	20	25	25
Soil Health										
09-12/08/2017	PF	Methods of preparation of liquid organic manures	02	15	10	25	15	10	25	25
25-28/07/2017	PF	LCC for efficient nitrogen management in	02	15	10	25	15	10	25	25

		paddy								
Agril. Engg.										
18-19/05/2017	PF	Soil and water conservation	02	25	--	25	25	--	25	25
29-30/09/2017	PF	Drudgery reduction in paddy threshing	02	25	--	25	25	--	25	25
09-10/01/2017	PF	Micro irrigation in vegetables	02	25	--	25	25	--	25	25
Home Science										
19-23/11/2017	PFW	Nutritional gardening	05	--	25	25	--	25	25	25
21-25/01/2018	PFW	Vermicompost	05	--	25	25	--	25	25	25
Plant Protection										
10-13/09-2017	PF	Integrated pest - disease mgt. in vegetables	02	20	05	25	20	05	25	25
02-03/08/2017	PF	Management of pest and disease of finger millet	02	20	05	25	20	05	25	25
13-14/12/2017	PF	Management of pest and disease of mango	02	20	05	25	20	05	25	25
25-26/02/2018	PF	Bio control of pest in pulse crops	02	20	05	25	20	05	25	25
Capacity Building										
26-27/11/2017	PF/PFW	Formation and management of SHGs	02	--	25	25	--	25	25	25
03-04/01/2018	PF/PFW	Leadership development	02	25	--	25	25	--	25	25

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST Participants			Grand Total
					M	F	T	M	F	T	
	Rural crafts	Natural fiber articles preparation	May-17	30	--	20	20	--	20	20	20

	Value addition	Value addition	July-17	21	--	20	20	--	20	20	20
	Rural crafts	Natural fiber articles preparation	Oct-17	30	--	25	25	--	25	25	25
Farm machinery	Farm mechanization	Repair & maintenance of farm machinery and implements	Dec-17	21	20	--	20	20	--	20	20
	Income generation	Mushroom cultivation	Oct-17	21	--	25	25	--	25	25	25

iii) Training programme for Extension Functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			Grand Total
				M	F	T	M	F	T	
On Campus										
08-09/09/2017	ICDS workers	Women and child care	02	--	20	20	--	20	20	20
07-08/07/2017	VLWs	Management of pest-disease of paddy	02	25	-	25	25	-	25	25
22/23/01/2018	SHG group leaders	Management of SHGs	02	--	25	25	--	25	25	25
OFF Campus										
22-23 /12/2017	Field workers of MIS companies	Soil sample collection for analysis	02	25	--	25	25	00	25	25
08-09/06/2017	Paravet workers	Health management of crossbred cows.	02	25	--	25	25	--	25	25

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			Grand Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
Agronomy	ATMA	PF/PFW	Production technology of kharif paddy	01	15	25	40	15	25	40	40
Animal science	ATMA	PF/PFW	Improved feed and fodder mgt. for cattle	01	05	25	30	05	25	30	30
Home science	ATMA	PFW	Nutritional gardening	01	--	40	40	--	40	40	40
Soil Science	ATMA	PF	Integrated nutrient management in paddy	01	30	--	30	30	--	30	30
Plant protection	ATMA	PF	IPM for vegetables	01	30	--	30	30	--	30	30
Extension education	ATMA	PF	Formation and mgt. of SHGs	01	30	--	30	30	--	30	30
			Total	**06**	**110**	**90**	**200**	**110**	**90**	**200**	**200**
b) Sponsored research programme : Nil											