ANNUAL PROGRESS REPORT OF KVK,TAWANG FOR 2015-16

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KRISHI VIGYAN KENDRA, TAWANG, VILL-CHANGBU , DISTRICT-TAWANG, (A. P.) PIN 790 104	03794224608	03794224608	kvktawang123@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
DIRECTORATE OF AGRICULTURE, GOVT. OF ARUNACHAL PRADESH, NAHARALAGUN, DISTRICT-PAPUMPARE, (A.P.) PIN 790 104	03602244252	03602244252	kvkosd@yahoo.co.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.D.S.Chhonkar	-	09485235364	chhonkardse@gmail.com

1.4. Year of sanction: 2008

1.5. Staff Position **(As on 31st March, 2016)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr.D.S.Chhonkar	Programme Coordinator	Agronomy	37400-63000	50250	26-09-09	Temporary	Others
2	Subject Matter Specialist	Mr. C.K. Singh	SMS (Agronomy)	Agronomy	15600-39100	25840	10-12-08	Temporary	Others
3	Subject Matter Specialist	Ms. L. P. Borah	SMS(Pl.Prote.)	Entomology	15600-39100	23,640	19-9-11	Temporary	Others
4	Subject Matter Specialist	Dr. A.K. Tiwari	SMS(Horti.)	Horticulture	15600-39100	23,640	23-9-11	Temporary	Others
5	Subject Matter Specialist	Dr. N.K. Pandey	SMS (Agril.Extension)	Agri. Extn.	15600-39100	23,640	04-10-11	Temporary	Others
6	Programme Assistant	Ms. Lobin Mingki	P A (Soil Sc.)	Soil Sc.	9300-34800	14,330	12-02-13	Temporary	ST
7	Computer Programmer	Ms. K D. Komu	P. A.(Comp.)	PGDCA	9300-34800	16,630	25-11-08	Temporary	ST

8	Farm Manager	Mr.Sonam Tsering Khumu	Farm Manager	B.Sc (Agri)	9300-34800	14,330	05-02-13	Temporary	ST
9	Assistant	Mr. Koj Richo	Assistant	M.COM	9300-34800	16,630	02-12-08	Temporary	ST
10	Stenographer	Ms. J. Wangmo	Stenographer	M.A	5200-20400	12,970	24.06.09	Temporary	ST
11	Driver	Mr. Lham Dorjee	Driver		5200-20400	9,260	18-8-09	Temporary	ST
12	Driver	Mr. Tashi Dorjee	Driver		5200-20400	9,260	18-8-09	Temporary	ST
13	Supporting staff	Mr. Tashi Dawa	Chowkidar		4440-7400	8,380	18-8-09	Temporary	ST
14	Supporting staff	Ms. Tashi Pema	Peon		4440-7400	8,380	18-8-09	Temporary	ST
	Total	**14**							

1.6. a. Total land with KVK (in ha) : **7 .0 ha**

b. Total cultivable land with KVK (in ha): NA

c. Total cultivated land (in ha): NA

S. No.	**Item**	**Area (ha)**
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	0.055
2.	Under Demonstration Units	0.016
3.	Under Crops (Cereals, pulses, oilseeds etc.)	NA
4.	Under vegetables	NA
5.	Orchard/Agro-forestry	NA
6.	Others (specify)	NA

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building		31 Dec. 2012	326.84 sq m	88.0 Lac			Half part yet to not completed

2.	Farmers Hostel	Nil	-	-	-	-	-	-
3.	Staff Quarters (6)	Nil	-	-	-	-	-	-
4.	Demonstration Units (2)		31 Dec. 2012		12.0 Lac			
5	Fencing		31 Dec. 2012		15.0 Lac			

B) Vehicles

Type of vehicle	**Regd. No.**	**Year of purchase**	**Cost (Rs.)**	**Total kms. Run**	**Present status**
TATA Sumo Victa	AR 03/1778	2010	4,95,669	44182 as on 30/04/14	Not in good condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Power Tiller	2010	2,03,000	Running in good condition
Fax Machine	2010	93,735	Running in good condition
Photocopier	2010	24,825	Running in good condition
LCD Projector	2010	99,788	Running in good condition

Digital Camera	2010	19,990	Not in function
Computer with accessories (Desk Top)	2009-10	45,063	No trunning in good condition
Computer(Lap Top)	2010	48,672	Running in good condition
Furniture	2010	2,00000	Not sufficient
Almiraha & Furniture	2011-12	200000	Not sufficient
Inverter	2013	23,000	Not running in good condition

1.8. A). Details SAC meeting* conducted in the year 2015-16

Sl. No.	**Date**	**Name and Designation of Participants**	**Salient Recommendations**	**Action taken on last SAC recommendation**
1.	18th Jan 2016	1.Smti Tsering Choden, CO i/c DIPRO 2.Smti Dondup Pema, CDPO 3.Smti C.Lowang, Asstt. Director (Textile & Handicraft) 4.Shri Tashi Lungten, ADO 5.Dr Sourabh Deori, Scientist ICAR NRC on yak, Dirang 6.Shri Kesang Chombey, DHO 7.Shri Victor Lakra, RFO	1. Promotion of babycorn cultivation. 2. Measures to control scab,cut worm, club rot and blight disease. 3. Improve knowledge on difference between and pesticide. 4. Bamboo plantation to improve soil and water conservation. 5. Control of shoot and root borer in walnut plant.	Measures taken to control the scab disease.

		8.Shri Thuten Jamba, PEX 9.Shri . N.Tadar EE Pwd Twg 10.Dr Tsering Drema i/c DVO Twg 11.Shri Pema Khandu Thungon , BDO office 12.Shri Lobsang, RWD Tawang		

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1.	Agriculture + Horticulture + Animal Husbandry + Pisciculture + Forestry
2.	Agriculture + Horticulture + Animal Husbandry + Forestry
3.	

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

Sl. No	Agro-climatic Zone	Characteristics
	Eastern Himalayan Region (Zone II) Sub region-: Higher Himalayan region(Alpine) High altitudes mountainous belt from 6000 ft to 1100 ft (Temperate Alpine zone) Sub-Mountainous area.	Snow Covered Himalayan Peaks from 11,000 feet to 22,000 feet which mostly includes bare mountains and are mostly uninhabited. It contains plateau and narrow valley and is sparsely populated. Tropical to cool climate throughout the year.

		It ranges from 3000 ft to 6000 ft which covers valleys and slpoes. Sub-Tropical climate with hot humid summer and moderately cool climate.

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
	Sandy skeletal/loamy/fine loamy texture	Rocky and loamy skeletal with medium to deep depth.	7596

2.4. Area, Production and Productivity of major crops cultivated in the district

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1.	Rice	760	11780	15.5
2.	Maize	695	6997	10.06
3.	Wheat	860	8991	10.45
4.	Finger Millet	1000	1000	10
5.	Burley	205	2134	10.41
6.	Buck Wheat	90	900	10
7.	Oil Seeds	155	1350	8.70
8	Pulses	152	1243	8.10
9.	Chilly	70	1540	22
10.	Garlic	15	375	25
11.	Ginger	26	650	25
12.	Turmeric	14	308	22
13.	Other Spices	08	84	10.5

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
October	3.30	22.52	4.53	80.19
November	0.41	17.48	0.13	80.13
December	Snow fall (4 mm)	13.53	-1.87	80.61
January	Snow fall (6 mm)	17.24	-2.18	74.92
February	Snow fall (10 mm)	11.25	-2.89	71.56
March	3.21	11.78	2.31	80.15

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

Category	Population	Production	Productivity
Cattle			
Crossbred	--	--	--
Indigenous	**25246**	**53900 ltrs milk,1395 qtls meat**	**1.5 lt/cow/day**
Buffalo	--	--	--
Sheep			
Crossbred	--	--	--
Indigenous	**9774**	**1500 kg meat**	**4 kg/sheep**
Goats	**4360**	**5328 kg meat**	**3.5 kg/goat**
Pigs			
Crossbred	--	--	--
Indigenous	**2850**	**6000kg**	**6 kg/pig**
Rabbits	--	--	--
Poultry			
Hens			
Desi	**9609**	**14409kg**	**1.25 kg/hen**
Improved	--	--	--
Ducks	--	--	--
Turkey and others	--	--	--

Category	Area	Production	Productivity
Fish	**140.85 ha**	**21517 kg**	**153 kg/ha**
Marine	--	--	--
Inland	--	--	--
Prawn	--	--	--
Scampi	--	--	--
Shrimp	--	--	--

Note: Pl. provide the appropriate Unit against each enterprise

2.6 Details of Operational area / Villages (2015-16)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
	Tawang	Kitpi	Kitpi, Shernup,& Audung	Paddy (Transplanted)	1. Traditional mixed cropping 2. Poor soil fertility & lack of knowledge about fertility management. 3. Attack of stem borer, gall midge , gandhi bug, leaf folder, and leaf roller 4. Poor yield of local varieties 5. Lack of irrigation facility 6.Loss of nutrient through water erosion 7. Attack of khaira,Stem rot,blast and bacterial leaf blight 8. Acidity of soil.	1. Scientific cropping system 2. INM package 3. Varietal intervention 4. IPM against major pests and disease. 5. Scientific crop management 6. Spraying of water soluble fertilizer. 7. Application of organic manure 8. Soil acidity management

	Tawang	Tawang	**Seru, *Surbi* & Pamaghar**	Frenchbean	1. Traditional management 2. Poor soil fertility & lack of knowledge about fertility management. 3. Attack stem borer and top borer 4. Lack of awareness aboutmaize based cropping system 5. Lack of irrigation facility 6.Loss of nutrient through water erosion 7. Poor yield of local variety 8. Acidity of soil	1. Scientific cropping systems 2. INM package 3. IPM against major pests. 4. Scientific crop management 6. Spraying of water soluble fertilizer. 7. Application of organic manure 8. Varietal intervention 9. Soil acidity management
	Tawang	Lumla	Lumla,Sherbang	Oilseeds (Toria)	1. Traditional management 2. Poor yield of local varieties 3. Acidity of soil 4. Loss of nutrient through water erosion 5. Attack of Bihar hairy caterpillar and tobacco caterpillar 6. Attack of seedling rot and rust.	1. Scientific production technology 2. INM package 3. Varietal intervention 4. Soil acidity management 5. Spraying of water soluble fertilizer 6. IPM against major pests. 7. Application of organic manure

	Tawang	Tawang	Audung,Soma	Blackgram	1. Traditional management 2. Poor soil fertility & lack of knowledge about fertility management. 3. Poor yield of local varieties 4. Acidity of soil 5. Attack of stem borer and Aphids 6. Lack of irrigation facility 7. Loss of nutrient through water erosion 8. Attack of seedling blight and blast	1. Scientific production technology 2. INM package 3. Varietal intervention 4. Soil acidity management 5. IPM against major pest and disease 6. Scientific crop management 7. Spraying of water soluble fertilizers 8.Application of organic manure

	Tawang	Kitpi	Kitpi, Shernup, Audung	Brinjal	1 Poor soil fertility & lack of knowledge about fertility management. 2. Poor yield of local varieties 3. Lack of irrigation facility 4.Loss of nutrient through water erosion 5. Attack of bacterial blight 6. Acidity of soil.	1. Scientific cropping system 2. INM package 3. Varietal intervention 4. IPM against major pests and disease. 5. Scientific crop management 6. Spraying of water soluble fertilizer. 7. Application of organic manure 8. Soil acidity management.

	Tawang	Tawang	Lamberdung	Cabbage	1. Traditional management 2. Poor soil fertility & lack of knowledge about fertility management. 3. Attack stem borer and top borer 5. Lack of irrigation facility 6.Loss of nutrient through water erosion 7. Poor yield of local variety 8. Acidity of soil	1. Scientific cropping systems 2. INM package 3. IPM against major pests. 4. Scientific crop management 6. Spraying of water soluble fertilizer. 7. Application of organic manure 8. Varietal intervention 9. Soil acidity management
	Tawang	Kitpi, Tawang	Kitpi, Audung, Seru	Fisheries	1. Lack of awareness on scientific fish farming 2. Low fish production 3. Unavailability of good quality fish seed 4. Fish disease	1.Composite fish farming 2.Integrated Fish farming systems 3.Good quality fish seed

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2015-16

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	02	02	08	08	03	03	29	29
Horticulture	02	02	09	08	02	02	08	08
Plant Protection	02	02	10	09	02	02	20	20
Agril Extn.	02	02	04	04	02	02	08	08
Total	**08**	**08**	**31**	**29**	**09**	**09**	**65**	**65**

Note: Target must be as set during last Action Plan Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers								
Rural youth								
Extn.								

Functionaries								
Total								

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	**Achievement**	**Target**	**Achievement**

Note: Target must be as set during last Action Plan Workshop

3. B. Abstract of interventions undertaken during 2015-16

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	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	Cropping sequence	Paddy,Toria	Low income of Farmers due to single cropping	OFT on Relay cropping Paddy cum Toria	-	Scientific cultivation of Paddy and Toria	-	-	Seed,fertilizers.
2	I.N.M.	Chick Pea	Low yield of Chick Pea due to imbalance use of Fertilizers	I.N.M.in Chick Pea	-	Scientific cultivation of Chick Pea	-	-	Seed,fertilizers.3

3.	Varietal evaluation	Tomato	Poor yield of local variety and susceptibility to blight	Varietal evaluation for yield contributing characters	-	Production technology of low volume high value crops	-	-	Seed, fertilizers
4.	Canopy management	Apple	Lack of knowledge about proper pruning	Scientific canopy management	-	Management of young plants/orchard	-	-	Bordeaux paste.
5	IPM	Cabbage Butterfly	Chemical management of cabbage butterfly is not satisfactory and cost intensive	Eco- friendly management of cabbage butterfly	-	Eco- friendly management of cabbage butterfly	-		Seed, neem pesticide
6	IDM	Rhizome rot in Ginger	Chemical management of cabbage butterfly is not satisfactory and cost intensive	Management of Rhizome rot in Ginger using Biofor- PF	-	Management of Rhizome rot in Ginger.	-	-	Biopesticide
7	Assessment of knowledge	Cabbage	Lack of technical knowledge	Assessment of knowledge gain by farmers through extension Literature		Method of Assessment of technical knowledge	-	-	Extension literature

8	Assessment of knowledge	Maize	Lack of scientific knowledge	Assessment of extension workers used by the farmers		Method of Assessment of technical knowledge	-	-	-

3.1 Achievements on technologies assessed and refined during 2015-16

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation					01					01
Canopy management						01				01
Seed / Plant production										
Diseases Management				01						01
Integrated pest Management					01					01
Integrated Nutrient Management			01							01
Integrated Farming System										
Mushroom cultivation										
Cropping	01									01

sequence										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
Assessment of knowledge	01				01					02
TOTAL	02		01	01	03	01				08

* *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro farming situation.*

A.2. Abstract of the number of technologies **refined*** in respect of crops/enterprises :NIL

*** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

A.3. Abstract of the number of technologies **assessed** in respect of livestock / enterprises :NA

A.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises :NA

.5. Results of On Farm Testing

Sl. No.	**Title of OFT**	**Problem Diagnosed**	**Name of Technology Assessed**	**Crop/Cropping system/ Enterprise**	**No. of Trials**	**Results of Assessment/ Refined (Data on the parameter should be provided)**	**Feedback from the farmer**	**Feedback to the Researcher**	**B.C . Ratio (if applicable)**
01	OFT on Relay cropping Paddy cum Toria	Low income of Farmers due to single cropping	Depending upon the availability of soilmoisture,broad cast sowing of toria at dough stage of Sali rice(10-15 days before harvest of rice),**Seed rate**-15kg/ha. **Fertilization-**60kg Urea/ha.as basal dose before sowing .	Paddy,Toria	04	i. Paddy Plant height 93cm. ii. No of effective tillers/m^2-148 iii. No.fo panicle/m^2-148 iv. Grain/panicle-83 Toria i. Plant height-85cm. ii. Branches/plant-08 iii. Siliqua/plant-140 iv. Seed/siliqua-10	Farmers are interested for adoption of new technology	Technology is suitable for the District	1.4:1

02	I.N.M. in Chick Pea	Low yield of Chick Pea due to imbalance use of Fertilizers	**Crop**-Chick Peal**,Variety**-Awrodhi **Detail-Seed treatment** Rhizobium@25gram/kg seed**. Sowing time -**Mid October,**Seed rate**-75kg/ha**, Spacing-**30x15 cm. **Nutrient-**N:P:K-20:30:30kg/ha.		O4	On going			
03	Varietal evaluation of Tomato.	Poor yield of local variety and susceptibility to blight	**Varietal evaluation var. Megha-1**	Tomato	04	1. Days to 50% flowering(65days) 2. Fruit length (6cm) 3. Fruit width (5.5cm) 4. Yield- (195q/ha **Farmer practice** 1. Days to 50% flowering (70days) 2. Fruit length (5cm) 3. Fruit width (4.7cm 4. Yield- (115q/ha)	Farmers are interested to adopt the technology	Technology is suitable for Tawang district	3:1

04	Canopy management in Apple	Lack of knowledge about proper pruning.	**Canopy management in Apple**	Apple	04	1. Annual ext. growth (60cm) 2. Circumference (2cm) 3. Fruit retention(58%) 4. Fruit yield/plant (19kg) Farmers Practice : 1. Annual ext. growth (95cm) 2.Circumference (1.75cm) 3. Fruit retention(37%) 4. Fruit yield/plant (10kg)	Farmers are interested to adopt the technology	Technology is suitable for the district.	3.6:1
05	Ecofriendly management of Cabbage butterfly	Low yield due to cabbage butterfly infestation.	Physical control by summer ploughing and hand picking,application of neem pesticides at 30,45,60 and 70 DAT.	Cabbage	04	1.Infestation of cabbage butterfly-3 no./m^2(Mean of observation taken in 10 days interval) 2.Infestation of other pests-2 no./m^2 Yield-125q/ha **Farmer practice** 1.Infestation of cabbage butterfly-9 no./m^2(Mean of	Farmers are interested to adopt the technology	Technology is suitable for the district.	4:1

						observation taken in 10 days interval) 2.Infestation of other pests-14 no./m^2 Yield-85q/ha			
06	Management of Rhizome rot in ginger	Low yield due to Rhizome rot	Application of Biofor-PF in the soil @ 10Kg/ha, Treatment of ginger Rhizome with Biofor –PF @ 1 Kg/10kg Rhizome	Ginger	03	% of infected Plants:2% (Mean of observation taken in 10 days interval) Yield- 55q/ha **Farmers Practice** % of infected plants: 9% Yield: 35q/ha	Farmers are interested to adopt the technology	Technology is suitable for the district.	3.6:1
07	Assessment of extension networks used by the farmers	Lack of scientific knowledge	Social concept	Maize	02 groups	Knowledge gain % by 1. Need and time based discussion with scientist by farmers =72% 2. Farmers- scientist interaction =52% 3. Extension networks used by the farmers	Farmers are benifitted by the Farmer-scientist interaction	Farmer-scientist interaction is effective for enhancing agricult	

						=Low 32%,Medium56%, High 12%		ural technical knowledge of the farmers	
08	Assessment of knowledge gain by farmers through Extension Literature	Lack of technical knowledge	Use of extension Literature (Leaflet, Pumplet & Folders)	Cabbage	02 groups	Knowledge gained by- 1- Availability of Leaflet =80% 2- Need and time based information =44% 3-Knowledge gain by farmers =52%	Farmers are benifitted by the Extension literature.	Extension Literature is efficient technology for disseminating the agricultural technical knowledge.	

Field crops – ton/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

***** Give details of the technology assessed or refined and farmer's practice***

3.2 Achievements of Frontline Demonstrations during 2015-16

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

List of technologies demonstrated during previous year and popularized during 2015-16 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
01	Groundnut	**Groundnut** (a) Pre emerengence application of Pendimethalin 1.0 lit/ha. followed by one manual weeding.	04	07	1.0
02	Wheat	**Wheat Variety DBW-14** **Detais**l-Sowing time-5th Nove-5th Dec**,Seed rate**-100kg/ha**,Spacing**-23cm.row to row**,Fertilization**-N:P:K-60:45:42kg/ha.	03	10	1.5
03	Pea	**Pea** **Details-** **Variety-Arkel** **Seed treatment**-Rhizobium culture@20gram/kg seed **Sowing time**-First fortnight of April. **Seed rate**-80kg/ha. **Spacing**-25x5 cm. **Nutrients-**N:P:K-20:60:30kg/ha.	04	12	1.25

04	Capsicum	**Varietal evaluation (var Arka Gaurav DAT 15th may for spacing 45x45cm N:P:K @ 120:80:50 kg/ha)**	02	04	1.0
05	Brinjal	**INM in Brinjal (Variety kashi Taru** Sowing 25th may Planting distance 60x45cm N:P:K @ 110:75:50, Fym @20t/ha. Vermicompost @ 5t/ha. Local check)	02	04	1.0
06	Potato	**Management of late blight in Potato** 6 sprayings of ridomil MZ-72 @ 2g/ltr followed by Dithane M-45 @ 2.5g/ltr at 12 days interval	02	10	1.0
07	Tomato	**Management of bacterial wilt in Tomato using Biofor –PF** Seed tratment with Biofor –PF (1g/10g of Tomato seeds) Root treatment with 1kg Biofor-PF in 2 ltr of water for 1000 seedlings, soil applicaton with 10g Biofor – PF mixed with 100g dried cowdung/plant	03	10	.5
08	Onion	**Perceived effectiveness of extension methods in transfer of Agricultural Technology** by Scientific cultivation technology of onion through Participatory Lecture+ Method Demonstration.	04	04groups	
09	Potato	**Efficiency of Vegetable Marketing Channel** Marketing Chennels Producer- Local Market , Producer- Middleman, Producer- Consumumer.	03	90 farmers	

**** Thematic areas as given in Table 3.1 (A1 and A2)***

b. Details of FLDs conducted during reporting period (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1.	Wheat	Varietal evaluation	**Variety DBW-14 Detais**l-Sowing time-5th Nove-5th Dec,**Seed rate**-100kg/ha,**Spacing**-23cm.row to row,**Fertilization**-N:P:K-60:45:42kg/ha.	Rabi2015	1.0	1.0	08	-	08		Rainfed			
2.	Ground nut	I.W.M	Pre emerengence application of Pendimethalin 1.0lit/ha. followed by one manual weeding.	Kharif 2015	1.0	0.75	07	-	07		Rainfed			
3	Vegeta	I.N.M.	**Variety-Arkel Seed treatment**-	Kharif	2.0	1.7	12	-	12		Rainfed			

	ble Pea		Rhizobium culture@20gram/kg seed **Sowing time**-First fortnight of feb. **Seed rate**-80kg/ha. **Spacing**-25 cm.between row **Nutrients-**N:P:K-20:60:30kg/ha.	2015		5								
4	Capsicum	Varietal evaluation	**Varietal evaluation (var Arka Gaurav** DAT 15th may for spacing 45x45cm N:P:K @ 120:80:50 kg/ha)	Kharif - 2015	1.0	1.0	04	-	04		Rainfed			
5	Brinjal	Integrated nutrient management	**INM in Brinjal** (Variety kashi Taru Sowing 25th may Planting distance 60x45cm N:P:K @ 110:75:50, Fym @20t/ha. Vermicompost @ 5t/ha. Local check)	Kharif - 2015	1.0	1.0	04	-	04		Rainfed			
6	Potato	Disease management	**Management of late blight in Potato** by 6 sprayings of Ridomil MZ-72 @ 2g/ltr followed by Dithane M-45 @	Kharif - 2015	01	1.0	10	-	10	-	Rainfed			

			2.5g/ltr at 12 days interval											
7	Tomato	Biological control	**Management of bacterial wilt in Tomato using Biofor –PF** (seed tratment with Biofor –PF (1g/10g of Tomato seeds) Root treatment with 1kg in 2 ltr of water for 1000 seedlings, soil applicaton with 10g Biofor –PF mixed with 100g dried cowdung/plant	Kharif - 2015	01	.5	10	-	10	-	Rainfed			
8	Onion	Social concept	Scientific cultivation technology of onion through Participatory Lecture+ Method Demonstration	2015-16					4 groups		Rainfed			
9	Potato	Social concept	Efficiency of Vegetable Marketing Channel by Producer- Local Market , Producer-Middleman,Producer- Consumer	2015-16					Producer-Consumer					

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	**Wheat**	Varietal evaluation	1.0	**Ongoing**														
2	Groundnut	I.W.M	0.75	21.25	15.5	37	24	18.5			29600	85000	45400	2.1:1	18000	30000	12000	1.6:1
3	Vegetable Pea	I.N.M.	1.75	106	72	47	110	96			52500	212000	159500	4:1	14000	27600	13600	1.9:1
4	Capsicum	Varietal evaluation	1.0	161.5	110	45.5	174	149			105000	256000	151000	2.44:1	95000	174364	79364	1.83:1
5	Brinjal	Integrated nutrient management	1.0	196.5	105	87	218	172			65000	157200	92000	2.41:1	56000	84000	28000	1.5:1
06	Potato	Disease	1.0	130	75	53	130	100			75000	26000	1850	2.4:1	24000	90000	17000	1.6:1

		aman gemen t										0	00					
07	Tomato	Biolo gical contr ol	0.5	175	120	36	175	153			60000	25000 0	1900 00	4.1:1	20000	140000	16000	2.8:1

d. Extension and Training activities under FLD on Crops:NIL

e. Details of FLD on Enterprises :NA

(i) Farm Implements

Name of the implement	Crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

**** Field efficiency, labour saving etc.***

(ii) Livestock Enterprises:NA

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC **	GR **	NR **	BCR **	GC	GR	NR	BCR	

**** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio**

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

(iii) Fisheries:NA

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	Thematic area	Name of Technology	No. of farmers	No. of units	No. of fish/ fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	

***** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

(iv) Other enterprises:NA

Sl. No.	Category/ Enterprise, e.g., mushroom, vermic	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	

	ompost, apiculture etc.						**k**												

***** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

(v) Farm Implements and Machinery:NA

Sl. No.	**Name of implement**	**Crop**	**Name of Technology demonstrated**	**No. of farmers**	**Area (In ha.)**	**Field observation (Output/ man-hours)**		**% change in the parameter**	**Labour reduction (Man days)**	**Cost reduction (Rs. per ha. or Rs. per unit etc.)**	**Remarks**
						Demo	**Check**				

f. Performance of FLD on Crop Hybrids:NA

Sl. No.	Crop	Name of hybrids	Area (ha.)	No. of farmers	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)			
					Demo.	Check		H*	L*	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR

H-Highest recorded yield, L- Lowest recorded yield

***** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

3.3. Achievements on Training

3.3.1. Farmers and Farm Women in On Campus including Sponsored On Campus Training Programmes (*Sp. On means On Campus training programmes sponsored by external agencies):NIL

3.3.2. Achievements on Training of Farmers and Farm Women in Off Campus including Sponsored Off Campus Training Programme (*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prg.			Participants									Grand Total
	Off	Sp Off*	Total	General			SC/ST			Total			
				Male	Female	Total	Male	Female	Total	Male	Female	Total	

				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management	02	-	02							23	-	33	-	56	-	23	-	33	-	56	-	56
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production	02	-	02							25	-	34		59	-	25	-	34	-	59	-	59
Nursery management	01		01							12	-	19	-	31	-	12	-	19	-	31	-	31
Integrated Crop Management																						
Fodder production	01		01							08	-	20	-	28	-	08	-	20	-	28	-	28

Production of organic inputs	04	-	04							38	-	69	-	107	-	38	-	69	-	107	-	107
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	01	-	01							02	-	19		21		02	-	19		21		21
Off-season vegetables	02	-	02							10	-	48		58		10	-	48		58		58
Nursery raising	01	-	01							09	-	17		26		09	-	17		26		26
Exotic vegetables like Broccoli	02	-	02							03	-	45		48		03	-	45		48		48
Export potential vegetables																						
Grading and standardizatio n	01	-	01							02	-	18		20		02	-	18	-	20		20
Protective cultivation (Green Houses, Shade Net etc.)																						

b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards	01	-	01							12	-	14		26		12	-	14		26		26
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques																						
others																						
c) Ornamental Plants																						

Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management technology																						
Processing																						

and value addition																					
f) Spices																					
Production and Management technology																					
Processing and value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value addition																					
III Soil Health and Fertility Management																					
Soil fertility management																					
Soil and Water Conservation																					

Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil Testing	02	-	02	-	-	-	-	-	-	23	-	33	-	56	-	23	-	33	-	56	-	56
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease																						

Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						

Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation																						

systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management	2	-	2							22	-	34	-	56	-	22	-	34	-	56	-	56
Integrated Disease Management	2	-	2							21	-	30	-	51	-	21	-	30	-	51	-	51
Bio-control of	2	-	2							20	-	27	-	47	-	20	-	27	-	47	-	47

pests and diseases																					
Rodent pest management	2	-	2							25	-	16	-	41	-	25	-	16	-	41	-	41
Chemical control	2	-	2							16	-	36	-	52	-	16	-	36	-	52	-	52
Organic farming	1	-	1							5	-	15	-	20	-	5	-	15	-	20	-	20
Plant protection in fruit	1	-	1							14	-	12	-	26	-	14	-	12	-	26	-	26
VIII Fisheries																					
Integrated fish farming																					
Carp breeding and hatchery management																					
Carp fry and fingerling rearing																					
Composite fish culture																					
Hatchery management and culture of freshwater																					

prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						

Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						

X Capacity Building and Group Dynamics																						
Leadership development	02	-	02							**18**	-	**33**	-	51	-	18	-	33	-	51	-	51
Group dynamics	01	-	01							09	-	18	-	27	-	09	-	18	-	27	-	27
Formation and Management of SHGs	04	-	04							39	-	60	-	99	-	39	-	60	-	99	-	99
Mobilization of social capital	01	-	01							09	-	16	-	25	-	09	-	16	-	25	-	25
Entrepreneurial development of farmers/youths	03	-	03							28	-	47	-	75	-	28	-	47	-	75	-	75
WTO and IPR issues																						
Production technologies																						
Nursery management																						
Integrated Farming																						

Systems																						
TOTAL	43	-	43							384	-	713	-	1097	-	384	-	713	-	1097		1097

(B) RURAL YOUTH

3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes

(*Sp. On means On Campus training programmes sponsored by external agencies):NIL

3.3.4. Achievements on Training of Rural Youth in Off Campus including Sponsored Off Campus Training Programmes

(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ Prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Mushroom Production	1	-	1							20	-	14	-	34	-	20	-	14	-	34	-	34

Bee-keeping																						
Integrated farming																						
Seed production	01	-	01	-	-	-	-	-	-	16	-	15	-	31	-	16	-	15	-	31	-	31
IPM	01	-	01	-	-	-	-	-	-	10	-	12	-	22	-	10	-	12	-	22	-	22
IDM	01	-	01	-	-	-	-	-	-	5	-	15	-	20	-	5	-	15	-	20	-	20
Planting material production																						
Vermi-culture	01	-	01	-	-	-	-	-	-	11	-	19	-	30	-	11	-	19	-	30	-	30
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management																						

of Horticulture crops																						
Training and pruning of orchards																						
Value addition	01	-	01	-	-	-	-	-	-	12	-	20	-	32	-	12	-	20	-	32	-	32
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						

Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
SHG formation	01	-	01							11	-	09	-	20	-	11	-	09	-	20	-	20
TOTAL	06	-	06							65	-	90		155		65	-	90	-	155	-	155

C. Extension Personnel

3.3.5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes

(*Sp. On means On Campus training programmes sponsored by external agencies): NIL

3.3.6. Achievements on Training of Extension Personnel in Off Campus including Sponsored Off Campus Training Programmes

(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Productivity enhancement in field crops																						
Integrated Pest Management																						

Integrated Nutrient management																					
Rejuvenation of old orchards																					
Protected cultivation technology																					
Formation and Management of SHGs																					
Group Dynamics and farmers organization																					
Information networking among farmers																					
Capacity building for ICT application																					
Care and maintenance of farm machinery and implements																					

WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
TOTAL																						

Note: Please furnish the details of above training programmes as <u>Annexure</u> in the proforma given below

Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel :NIL

Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy	Weed Management	Integrated Weed Management in Maize	24.4.15	One day	Teli	**Farmer & Farm women**				12	17	29	12	17	29
	Weed Management	Integrated Weed Management in Potato	12.05 .15	One day	Poito	**Farmer & Farm women**				11	16	27	11	16	27
	Seed Production	Seed Production of Wheat	16.06. 15	One day	Khinmey	**Farmer & Farm women**				13	16	29	13	16	29
		Seed Production of Potato	10.07.15	One day	Gyanghar	**Farmer & Farm women**				12	18	30	12	18	30

	Fodder Production	Fodder Production of Berseem	28.09.15	One day	Teli	**Farmer & Farm women**				08	20	28	08	20	28
	Nursery Management	Scientific method of raising paddy seedlings	08.10.15	Noe days	Urgeling	**Farmer & Farm women**				12	19	31	12	19	31
	Production of Organic Inputs	Production Of Organic Manure	12.11.15	One day	Bomba	**Farmer & Farm women**				10	18	28	10	18	28
	Production of Organic Inputs	Production & use of Vermicompost	01.12.15	One day	Khinmey	**Farmer & Farm women**				09	17	26	09	17	26
	Production of Orga	Production Of Organic Manure	09.12.15	One day	Sernup	**Farmer & Farm women**				10	17	27	10	17	27

	nic Inputs															
	Production of Organic Inputs	Production & use of Vermicompost	11.12.15	One day	Soma	**Farmer & Farm women**				10	17	27	10	17	27
	Soil testing	Method of Soil Sampling	2.11.15	One day	Khinmey	**Farmer & Farm women**				10	18	28	10	18	28
	Soil testing	Method of Soil Sampling	27.11.15	One day	Soma	**Farmer & Farm women**				13	15	28	13	15	18
	Seed Production	Seed Production of Potato	18.05.15	One day	Khinmey	**Rural Youth**				16	15	31	16	15	31
	Production of Organic Inputs	Production & use of Vermicompost	28.11.15	One day	Lemberdung	**Rural Youth**				11	19	30	11	19	30

Horticulture	Exotic vegetable production	Production of exotic vegetable like Broccoli	12/04/15	One day	Changprong	**Farmer and Farm women**				01	23	24	01	23	24
	Exotic vegetable production	Production of exotic vegetable like Broccoli	24/04/15	One day	Sheru	**Farmer and Farm women**				02	22	24	02	22	24
	Management of young plants/ orchard	Management of Apple orchard	11/05/15	One day	Poito	**Farmer & farm women**				12	14	26	12	14	26
	Production of low volume	Production of low volume high value crops like Capsicum,	15/05/15	One day	lemberdung	**Farmer and farm women**				02	19	21	02	19	21

	high value crops	Tomato& vegetable pea.														
	Nursery management	Nursery management of vegetable crops like Capsicum and Tomato	04/06/15	One day	Lhou	**Farmer and Farm women**				09	17	26	09	17	26
	Growing of off season vegetable	Growing of off season vegetable, like cabbage & Cauliflower	26/08/15	One day	Khinmey	**Farmer And Farm women**				09	17	26	09	17	26
	Grading and Standardization	Grading and Standardization of Kiwi.	29/09/15	One day	kitpi	**Farmer & Farm women**				01	19	20	01	19	20
	Growing of off	Growing of off season	30/10/15	One day	Teli	**Farmer & Farm women**				01	31	32	01	31	32

	season vegetables	vegetables													
	Value addition.	Preparation of pickles and jam	12/03/15	One day	Tawang	**Rural youth**				12	20	32	12	20	32
Plant Protection	IPM	IPM in vegetables	13/4/15	One day	Changprong	**Farmer & Farm women**				12	10	22	12	10	22
	IDM	IDM in vegetables	25/4/15	One day	Seru	**Farmer & Farm women**				15	14	29	15	14	29
	IPM	IPM in vegetables	16/5/15	One day	Shajing	**Farmer & Farm women**				13	10	23	13	10	23
	IPM	IPM in fruits	3/6/15	One day	Kitpi	**Farmer & Farm women**				15	12	27	15	12	27
	IDM	IDM in fruits	25/6/15	One day	Khimney	**Farmer & Farm women**				10	12	22	10	12	22
	Chemical control	Management of rice pests.	21/7/15	One day	Teli	**Farmer & Farm women**				7	19	26	7	19	26
	Chemical contr	Preparation of pesticidal	28/7/15	One day	Shyo	**Rural youth**				7	10	17	7	10	17

	ol	solution														
	Rodent management	Rodent management in rice	3/8/15	One day	Kitpi	**Farmer & Farm women**				18	11	29	18	11	29
	Rodent management	Rodent icides and their uses	21/8/15	One day	Shajing	**Farmer & Farm women**				10	12	22	10	12	22
	Organic farming	Biopesticides:A measure for plant protection	4/9/15	One day	Lemberdung	**Farmer & Farm women**				16	14	30	16	14	30
	Organic farming	Management of tomato wilt using biopesticides	10/9/15	One day	Kitpi	**Farmer & Farm women**				5	16	21	5	16	21
	Biological Control	Use of trichocards in paddy.	9/10/16	One day	Soma	**Farmer & Farm women**				10	10	20	10	10	20

	Biological Control	Biocontrol of pests in cole crops	29/10/15	One day	Shernup	**Farmer & Farm women**				14	16	30	14	16	30
	Use of pesticide	P lant Protection in flowers	11/3/16	One day	Shyo	**Farmer & Farm women**				12	14	26	12	14	26
	Plant Protection in fruits	Scab of apple and its management	13/3/16	One day	Sernup	**Rural youth**				4	10	14	4	10	14
Agri.Extension	Entrepreneurial development of farmers	Agripeneurship through production of Biopesticide	24.4.15	One day	Teli	**Farmer & Farm women**				12	17	29	12	17	29
	Entrepreneurial development of farmers	Agripeneurship through production of Biopesticide	12.05.15	One day	Poito	**Farmer & Farm women**				11	16	27	11	16	27

	Entrepeneurial development of farmers	Enterpeneurship development through SHG	16.06.15	One day	Khinmey	**Farmer & Farm women**				13	16	29	13	16	29
	Entrepeneurial development of farmers	Enterpeneurship development through SHG	10.07.15	One day	Gyanghar	**Farmer & Farm women**				12	18	30	12	18	30
	Formation and Management of SHGs	Formation of SHG	28.09.15	One day	Teli	**Farmer & Farm women**				08	20	28	08	20	28
	Formation and Management of SHGs	Formation of SHG	08.10.15	Noe days	Urgeling	**Farmer & Farm women**				12	19	31	12	19	31

	Production technologies	Production of Vermicompost	16/5/15	One day	Shajing	**Farmer & Farm women**				13	10	23	13	10	23
	Production technologies	Vegetable seed production	09.12.15	One day	Sernup	**Farmer & Farm women**				10	17	27	10	17	27
	Production technologies	Seed production of Cereal crops	11.12.15	One day	Soma	**Farmer & Farm women**				10	17	27	10	17	27
	Marketing	Marketing of Agri.Products	12.10.15	One day	Teli	**Farmer & Farm women**				08	20	28	08	20	28
	Marketing	Marketing of Agri.Products	28.10.15	Noe days	Urgeling	**Farmer & Farm women**				12	19	31	12	19	31
	Formation and Management of	Formation of SHG	18.05.15	One day	Khinmey	**Rural Youth**				16	15	31	16	15	31

	SHGs														

(D) Vocational training programmes for Rural Youth :NIL

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	

*training title should specify the major technology /skill transferred

Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational):NIL

On/ Off/	Beneficiary	Date		Discipline	Area of	Title	No. of Participants	Spo	Amou

Vocational	group (F/ FW/ RY/ EP)	(From-To)	Duration (days)		training		General			SC/ST			Total			nsoring Agency	nt of fund received (Rs.)
							M	F	T	M	F	T	M	F	T		
Total																	

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2015-16

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1.	**Advisory services**		**Apr 15 – Mar 16**	**75**				**39**	**82**	**121**	**-**	**-**	**-**	**39**	**82**	**121**
2.	Diagnostic visit		**Apr 15 – Mar 16**	**120**				**89**	**111**	**200**				**89**	**111**	**200**
3.	Field day															
4.	Group Discussion		**Apr 15 – Mar 16**	**50**				**98**	**142**	**240**				**98**	**142**	**240**
5.	Kishan Gosthi			-				-	-	-				-	-	-
	Kishan Mela															
6.	Film show		**Apr 15 – Mar 16**	08				20	25	45				20	25	45

7.	SHG formation		Sep, Dec.	02				5	14	19				05	14	19
8.	Exhibition		Aug , Jan.	02												
9.	Scientists visit to farmers fields		**Apr 15 – Mar 16**	50				179	201	380				179	201	380
10.	Plant/ Animal Health camp			-												
11.	Farm science club			-												
12.	Ex-trainee Sammelan			-												
13.	Farmers seminar/ workshop			-												
14.	Method demonstration			-												
15.	Celebration of important days		Jan , Feb.	02												
16.	Exposure visits			-												
17.	Electronic media (CD/DVD)			-												
18.	Extension literature			05												
19.	Newspaper coverage			08												
20.	Popular articles			08												
21.	Radio talk			06												
22.	TV talk			-												
23.	Training manual			-												
24.	Soil health camp			01												
25.	Awareness camp			-												
26.	Lecture delivered as resource			12				79	140	219				79	140	219

	person															
27.	PRA			-				23	77	100				23	77	100
28.	Farmer-Scientist interaction			20												
29.	Soil test campaign															
30.	Mahila Mandal Convener meet															
31.	Any other (Please specify)															
32.																
Grand Total								**532**	**792**	**1324**				**532**	**792**	**1324**

3.5 Production and supply of Technological products during 2015-16

A. SEED MATERIALS:NIL

A1. SUMMARY of Production and supply of Seed Materials during 2015-16:NIL

B. Production of Planting Materials (Nos. in lakh):NIL

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2015-16:NIL

C. Production of Bio-Products during 2015-16:NIL

C1. SUMMARY of production of bio-products during 2015-16:NIL

D. Production of livestock during 2015-16:NIL

D1. SUMMARY of production of livestock during 2015-16:NIL

3.6. Literature Developed/Published (with full title, author & reference) during 2015-16:NIL

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

(B) Articles/ Literature developed/published

Technial bulletin-Management techniques to enhance Apple productivity in Tawang district

Leaflet

- Scientific cultivation of Maize in Tawang district
- Scientific cultivation of Maize in Tawang district
- Queen of compost –Vermicompost
- Ecofriendly Pest management of CabbageS

N.B. Please enclose a copy of each. In case of literature prepared in local language, please indicate the title in English

(C) Details of Electronic Media Produced:NIL

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs):NIL

3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year:NIL

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Vegetables	Application of soap water around the plant	To get rid of cut worm
2	Vegetables	Application of wood ash	To manage nursery pest
3	Potato	Apply cart banana@ periphery of the field	To control red ant

3.10 Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women : Acquaint them with modern techniques of farming.
- Rural Youth : Skill development on agriculture related entrepreneurship
- Extension personnel : Acquaint them with emerging techniques in farming

3.11 Field activities

i. Number of villages adopted- 10

ii. No. of farm families selected- 66

iii. No. of survey/PRA conducted-02

3.12. Activities of Soil and Water Testing Laboratory:NA

Status of establishment of Lab :

1. Year of establishment :
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1			

2			
3			
Total			

3. Details of samples analyzed so far :NA

3.13. Details of SMS/ Voice Calls sent on various priority areas:NA

3.14 Contingency planning for 2015-16

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
	Introduction of new variety or crop				
	Introduction of Resource Conservation Technologies				
	Distribution of seeds and planting materials			120	120
	Any other (Please specify)				

a. Livestock based Contingency planning :NA

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					General	SC/ST	Total

4.0. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

4.2. Cases of large scale adoption:NIL

(Please furnish detailed information for each case)

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

1.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
ATMA	As a resource person
PMFBY	Farmers fair cum awareness programme

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2015-16:NIL

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district

Sl. No.	Programme	Nature of linkage	Remarks
01	Training	As a resource person	

5.4 Give details of programmes implemented under National Horticultural Mission:NA

5.5 Nature of linkage with National Fisheries Development Board :NA

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2015-16

6.1 Performance of demonstration units (other than instructional farm):NIL

6.2 Performance of instructional farm (Crops) including seed production :NIL

6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) :NIL

6.4 Performance of instructional farm (livestock and fisheries production) :NA

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit:NA

6.6. Utilization of hostel facilities (Month-Wise) during 2015-16

Accommodation available (No. of beds) :NIL

Note: (Duration of the training course X No. of trainees)=Trainee days

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
30641369511	State Bank of India	SBI, Tawang	30641369511

7.2 Utilization of funds under FLD on Maize *(Rs. In Lakhs) if applicable Nil*

7.3 Utilization of KVK funds during the year 2015 -16

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	96.00	95,82,760/-	81,76,267/-
2	**Traveling allowances**	2.80	2,78,500/-	2,77,802/-
3	**Contingencies**	15.80	15,49,625/-	15,48,666/-
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library			

	maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
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)		**114.6**	**1,14,10,885/-**	**1,00,02,735/-**
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)			**Nil**	**Nil**

C. REVOLVING FUND		**1,10,603/-**	**Nil**
GRAND TOTAL (A+B+C)	**114.6**	**1,15,21,488/-**	**1,00,02,735/-**

7.4 Status of Revolving Fund (Rs. in lakhs) for last three 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
2013-14	99,392/-	4,016/-	Nil	1,03,408/-
2014-15	1,03,408/-	6,198/-	1,159/-	1,08,447/-
2015-16	1,08,447/-	2,156/	Nil	1,10,603/-

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

(a) Administrative

(b) Financial

(c) Technical

(Signature)
Programme Coordinator