PROFORMA FOR ANNUAL REPORT OF KVKS, 2015-16

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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	
KVK Yisemyong Post Box No-23 Mokokchung Nagaland-798601	0369-2225121	0369-2225121	kvkmokokchung@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 Nagaland Kohima	0370-2243116	0370-2243970	agrkvk@yahoo.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Pijush Kanti Biswas	Aoyimkum,Dimapur	9402343069	drpijushpckvk@g mail.com

1.4. Year of sanction: 2003

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.PijushKantiBiswas	Programme Coordinator	Horticulture	32170	24170+ 8000	15/4/2013	Temporary	Gen.
2	Subject Matter Specialist	RenbomoNgullie	SMS (Horticulture)	Horticulture	27420	22020+ 5400	24.05.06	Temporary	ST
4	Subject Matter Specialist	Dr. Rongsensusang	SMS (Vety. &AH)	Vety& AH	34275	22020+ 5400	24.05.06	Temporary	ST
5	Subject Matter Specialist	Samuel Sangtam	SMS (Agronomy)	Agronomy	27420	22020+ 5400	24.05.06	Temporary	ST
6	Subject Matter Specialist	Bendangjungla.I	SMS (PB &G)	PB &G	27420	22020+ 5400	24.05.06	Temporary	ST
7	Subject Matter Specialist	RuyosuNakro	SMS (Extension)	Agri. Extension	26620	21220+ 5400	13.11.07	Temporary	ST
3	Subject Matter Specialist	Dr.RuopfuselhuoKehie	SMS (Entomology)	Entomology	26620	21220+ 5400	15.02.07	Temporary	ST
8	Programme Assistant	Moainla	ProgrammeAsstt.	Horticulture	18870	14670 + 4200	24.05.06	Temporary	ST
9	Computer Programmer	I.Tangitla	ProgrammeAsstt (Computer)		18870	14670 + 4200	24.05.06	Temporary	ST
10	Farm Manager	Ilika v achumi	Farm manager	Horticulture	18340	14140+ 4200	19.02.2007	Temporary	ST
11	Accountant / Superintendent	Meyatula	Office Supt-cum-Accountant		18870	14670+ 4200	01.06.06	Temporary	ST
12	Stenographer	Imosangla	Jr. Steno-cum-Computer Operator		12900	10500 + 2400	01.06.06	Temporary	ST
13	Driver	Supongmeren	Driver		9930	8030 + 1900	01.06.06	Temporary	ST
14	Driver	Jongpongyanger	Driver		8810	6910 + 1900	01.03.10	Temporary	ST
15	Supporting staff	Imkonglemla	Peon		7950	6650 + 1300	01.06.06	Temporary	ST
16	Supporting staff	Aotoshi	Chowkidar		7040	5740+ 1300	01.03.10	Temporary	ST
17	SRF	Shillunokdang	SRF	R.D	Rs.16,000 (Consolidated)		01.11.14	Temporary	ST

1.6. a. Total land with KVK (in ha) :23.9 ha

b. Total cultivable land with KVK (in ha): 18 ha

c. Total cultivated land (in ha): 6.5 ha

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	1
2.	Under Demonstration Units	1
3.	Under Crops (Cereals, pulses, oilseeds etc.)	1.5
4.	Under vegetables	3 (Instructional Farm)
5.	Orchard/Agro-forestry	2 ha
6.	Others (specify)	-

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	ICAR	20.06.09	400	53.5 lakhs	28.09.07	400	completed
2.	Farmers Hostel	NA	NA	NA	NA	NA	NA	NA
3.	Staff Quarters (6)	ICAR	NA	200		2011	100	Completed
4.	Demonstration Units (2)	ICAR, Host & ATMA	2008 &2010	40	24,55,500 lakh	2008 &2013	-	Completed and going
5	Fencing	ICAR	NA	7500	3.5	2011	-	Completed
		ICAR	30.09.11	800mtr	17.0 lakhs	2011	-	Completed

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshall	NL-02-C-1212	2004	5.4 lakhs	2,00,118	Need replacement

C) Equipments& AV aids

Name of the equipment	Year of Purchase	Cost (Rs.)	Present status
1. Computer	2004	70000	Good
2. Sound system	2005	60000	Good
3. Digital camera	2004	70000	Unserviceable
4. OHP	2004	5000	Good
5. Laptop	2008	37,000	Need replacement
6. Handycam	2008	16,000	Out of order
7. Photocopier	2010	1,20,000	Good
8. Handycam	2010	18,000	Good
9. Computer	2010	45,000	Good
10. LCD projector	2010	55,000	Good

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.	22/2/2016	MaongsanglaAstt. Plant Pathologist SARS Bendang Asst. Entomologist SARS Nungsangkaba DAO Meyatoshi DHO Dr. Imsen, VAS Tiakala Announcer AIR Lipokonen ATMA Co-ordinator Mejong Progressive Farmer Toshi. DSCO Sunep. DFO Amarjit Deputy Manager NABARD Yarba, Sapangpang Farmers Club Dr. Pijush Kanti Biswas PC Dr. Rongsensusang SMS Vety.& A.H Dr. RuopfuselhouKehie SMS Plant Protection Renbomo Ngullie SMS Horticulture K.Samuel Sangtam SMS Agronomy Bendangjungla. I SMS Plant Breeding Ruyosu Nakro SMS Extension	Approval of all the publications Presentation of activities, report and action plan	All the recommendations were refined and finalized for implementation of the programmes

**** 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
2.	Agriculture + Veterinary
3.	Agriculture + Fishery

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

Sl. No	Agro-climatic Zone	Characteristics
1.	Mid Tropical hill Zone	**Hot and humid in the foot hills to moderate in the mid and high with heavy rainfall during summer**
		Moderate to extreme cold and dry in higher altitude during winter

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1.	Sandy clay loam	20-35% clay 28% silt 45% more sand pH 4-5	1,20,000
2.	Clay Loam	27-40% clay 20-45% sand Medium organic matter pH 4-5	40,000
3.	Forest Soil	Broad leaves rain forest, evergreen, temperate climate, high organic matter, dark brown soil with pH 4	50

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1.	Jhum Paddy	8290	17409	21
2.	WTRC Paddy	2420	7502	31
3.	Maize	545	1144	21
4.	Beans	97	126	13
5.	Pea	76	114	15
6.	Rapeseed/ Mustard	102	92	9
7.	Potato	151	861	62
8.	Tapioca	212	4558	215
9.	Orange	1739	59126	340
10.	Banana	1155	71610	620
11.	Litchi	970	24250	250
12.	Pineapple	820	13284	162
13.	Tomato	38	9880	2600
14.	Chilli	76	5099.6	671

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April	61.16	22.05	17.95	78.05
May	64.13	24.9	19.85	77.15
June	68.44	26.2	21.25	79.75
July	79.17	26.3	21.55	78.9
August	64.24	26.05	21.35	80
September	67.39	25.9	21	80
October	55.00	24.9	19.2	75
November	68.6	21.4	15.7	73
December	59.27	16.4	11.4	74
January	53.27	14.7	9.85	75
February	49.29	15.9	9.65	74
March	55.62	18.7	12.79	76

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

Category	Population	Production	Productivity
Cattle			
Crossbred	726	520 MT	3.5 lit/day lactation period of 270 days
Indigenous	265	1	120kg in 12 months
Buffalo	-	-	-
Sheep			
Crossbred	-	-	-
Indigenous	-	-	-
Goats	415	972 kg	10-14 kg per year
Pigs			
Crossbred	23900	1787.2 MT	110 kg in 12 months
Indigenous	-	-	-
Rabbits	-	-	-
Poultry			
Hens	-	-	-
Desi	156750	83.8MT	1 Kg in 6months
Improved	18000	10MT	1.5 kg in one month
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish			
Marine			
Inland	408.50 ha	1534 MT	2581.5 kg/ha
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
1		Ongpangkong (N)	Longkhum, Chuchuyimpang	Paddy, Maize, Tapioca Ginger, Passion fruit Tea, Piggery, Poultry, weaving	Low productivity due to non adoption of improved technology, Majority of the farmers involved in cultivation of mix crops, lack of awareness on potentialities of floriculture, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, lack of proper infrastructure and marketing network	Create awareness on fallow management and jhum intensification, Cultivation of both kharif and rabi vegetables, production of passion fruit, ginger, tapioca, tea on commercial scale, popularization of floriculture, handloom and handicraft, promotion of infrastructures and marketing network
2		Opangkong (s)	Aliba, Mangmetong	Paddy, Maize, Tapioca Cucumber, Passion fruit, Ginger, Orange	Low productivity due to non adoption of improved technology, Indiscriminate use of inorganic products in cucumber cultivation, lack of awareness on INM, lack of upgrade dairy breeds, inadequate availability of fodder , insect pest problem, lack of extension activities	Create awareness on fallow management and jhum intensification, Organic Off season cucumber cultivation, development of dairy and fodder crops, production of orange.
3		Kobulong	Sungratsu, Mopungchuket	Paddy, Tapioca, Maize Passion fruit, ginger, Banana, Piggery, Poultry, Dairy, Sericulture	Low productivity due to non adoption of improved technology, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, pest /disease problem in crops and silkworm, lack of processing unit and marketing, lack of spinning & weaving centers , lack of awareness on citronella cultivation, Inbreeding, disease and nutrition in piggery	Create awareness on fallow management and jhum intensification, To increase productivity of passion fruit, ginger and vegetables, promotion on spinning and weaving centre of sericulture, popularization of citronella cultivation, awareness on breeding programme, prevention and control of disease, scientific feeding management
4		Changtongya	Dibuya, Mongsenyimti	Paddy, Tapioca, Maize, Collocasia, banana, Orange, Pineapple Tea, piggery, Poultry, Fishery	Low productivity due to non adoption of improved technology, lack of awareness on value addition products, insect pest and disease problem, poor transportation and marketing facilities, lack of upgraded breeds and health centre	Create awareness on fallow management and jhum intensification, To increase production of banana, tapioca, orange, pineapple, development of tea, arecanut, betel vine, improvement of piggery, fishery and sericulture,

5		Mangkolemba	WamekenLongpayimsen	Paddy, Maize, Tapioca, Orange, Pineapple, Arecanut, Tea, betel vine, fishery, cattle, piggery	Unavailability of HYV (lowland paddy), Lack of knowledge on improved method of cultivation , lack of processing unit, insect pest and disease problem, lack of awareness on INM, poor skill in fishery pond management, financial constraint to take up in commercial scale, inadequate availability of ploughing bullock, swine diseases	Promotion of HYV (paddy), production of oilseed and pulses, production of orange, pineapple, arecanut, tea and fish. Breeding programme for cattle and training of draught animals, prevention & control of swine diseases
6		Longchem	Saring, Nokpu	Paddy, Tapioca, Maize, colocassia, Arecanut, betel vine, cattle, piggery	Unavailability of HYV (lowland paddy), Lack of knowledge and awareness on improved method of cultivation on plantation crops, lack of processing unit, lack of awareness on INM, financial constraint for commercial cultivation, inadequate availability of ploughing bullock, swine diseases	Promotion of HYV (paddy), Commercial cultivation of arecanut, tea, rubber, betel vine, colocassia, orange, production of oilseeds and pulses, Breeding programme for cattle and training of draught animals, prevention & control of swine diseases

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	1	2	5	6	18	3	28	20
Horticulture	1	1	5	5	18	15	18	15
Plants Protection	1	2	5	10	18	16	18	16
Genetics & Plant Breeding	1	1	5	3	18	16	18	16
Vety.& A.H.	1	1	5	6	18	16	126	126
Extension	1	-	5	-	18	-	-	-
Total	6	7	30	30	108	66	208	193

Note: Target 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	60	47	1500	1151	173	173	1406	2082
Rural youth	30	13	600	304	50	46	284	402
Extn. Functionaries	6	10	120	202	12	9	85	91
Total	96	70	2220	1657	235	228	1775	2575

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	Achievement	Target	Achievement
0.20	0.15	0.1	0.077

Note: Target 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.
	Introduction of HYV	Paddy	Low yield, longer duration of local cultivars	Varietal Trial on Low land Paddy	-	Cultivation of Low land Paddy	-	-	Seeds
	Introduction of HYV	Soya bean	Low Production	Performance Trail on Soya bean	-	Cultivation of Soya bean	-	-	Seeds
	To Increase Production	Maize	Low Production and long duration in existing variety	-	Cultivation of HQPM-1	Cultivation of Maize	-	Leaflets, Advisory services Field day	Seeds
	To increase production and productivity	Paddy	Use of age old cultivars and poor yield	-	Cultivation of CAU-R1	Package and Practices of Paddy	-	-	Seeds
	Oilseed production	Toria	Practice of Mono cropping (paddy)	-	TS-36	Cultivation of oilseed (toria)	-	Leaflets	Seeds
	Identification of HYV	Soya bean	Low yield in local varieties	Varietal Evaluation of Soya bean		Package & Practices of Soya bean Cultivation		Leaflet	Seeds, bio fertilizers
	Cereal Production	Maize		-	FLD on Maize HQPM 1	HQPM 1 Cultivation		Fieldday, Advisory services Leaflet awareness programme	Seeds
	Pulse Production	Pea		-	FLD on Pea (Var. Arkel)	Pea (Var. Arkel) Cultivation		Fieldday, Advisory services	Seeds, fertilizers

	Vegetable production	Chilli	Low yield due to poor adoption of suitable varieties	Varietal evaluation of chilli	-			Advisory service, Field day, awareness programme	Seed, plant protection chemicals.
	Spices production	Ginger	Use of unsuitable varieties	-	FLD on ginger variety Nadia			Advisory service, method demonstration, awareness programme	Seed, plant protection chemicals.
	Tuber crop production	Taro	Low yield due to poor adoption of suitable varieties	-	FLD on improved variety of Taro variety Muktakeshi	Scientific cultivation of taro		Advisory service, method demonstration, awareness programme	Seed, plant protection chemicals.
	Vegetable production	chilli	Low yield due to poor adoption of suitable varieties	-	Cultivation of improved variety of Chilli variety Guntur Hope			Advisory service, Field day, awareness programme	Seed, plant protection chemicals.
	Production of low volume high value crop	Broccoli	Lack of awareness in high value crops	-	FLD on high value crop (Broccoli)			Advisory service, Field day, awareness programme	Seed
	Integrated Disease Mgmt	Ground nut:	Tikka diseases	Management of tikka diseases in Groundnut: Bavistin @ 1 g/l solution at 45-50 days of the crop age	-	Disease & Insect Pest Management on Groundnut	-	Field visit Method demonstration	- Supply of GN Seeds -Fungicide
	Biological control	Tomato	Tomato fruit-borer:	Management of Tomato fruit-borer:	-	-	-	Diagnostic visit	- Supply of Seeds - Neem oil

	Integrated Pest Mgmt	Paddy	Leaf folder	-	Effect of IPM modules on the incidence of Leaf folder in rice	Biological Suppression of Insect Pest in Rice	-	Diagnostic visit Method demonstration Advisory services	- Supply Insecticides & other managemental inputs.
	Integrated Disease Mgmt	Potato	Late Blight	-	Integrated Disease Management (Late Blight) in Potato :	Managing Insect vectors for healthy Potato.	-	Field visit Method demonstration	- Supply of Seeds
	Other beneficial organisms	Mushroom	Insect – Pest	-	Management of Insect – Pest of Oyster Mushroom	Hand on Training & Demonstration on Production and Management of Oyster Mushroom	-	Diagnostic visit Method demonstration Advisory services	- Supply of Spawn
	Introduction of new poultry varieties	Poultry		Performance of Japanese Quail (*Coturnixcoturnix japonica)* CARI-Uttam	-	Quail farming Technology	-	Leaflets	Quail chicks
	Poultry Health care	Poultry	High mortality due to occurrence of RD	-	Vaccination against Ranikhet disease (RD)	-	-	-	Vaccines
	Swine reproduction	Piggery	Poor estrus detection efficiency	-	Back pressure test for detection of estrus in sows	-	-	Demonstrations	-

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	1	2			1					4
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated										

Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	1				1					2
Integrated Disease Management		1		1						2
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	2	3		1	2					8

* *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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

***** *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**

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitary**	**Fisheries**	**TOTAL**
Evaluation of Breeds		1						1
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL		1						1

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

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitry**	**Fisheries**	**TOTAL**
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

A.5 Result 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)
1	Varietal Trial on Low land Paddy	Low yield, longer duration of local cultivars	RP-Bi0-226 (Improved samba mashuri) Sampada DRR dhan -38	Paddy	3	Varieties / Plant Height (cm) / Panicle length (cm) / Effective tillers / Grains / panicle RP-Bi0-226 (Improved samba mashuri): 75 / 22 / 8 / 140 Sampada: 85 / 21 / 9.3 / 133 DRR dhan -38: 105 / 24 / 7.5 / 153 Check variety: 110 / 21 / 7 / 122			
2	Performance Trail on Soya bean	Low yeild	JS-95-60	Soya bean	3	**Var. qt/ha / PH(cm) / Pods/plant / YD** JS-95-60: 45 / 30 / 7.5 Local Check: 74 / 24 / 6.2			
3	Varietal Evaluation of Soya bean	Low yield in local varieties	RKS-18 JS-335 RUS-2002-19 DSB-25 DSB-23-2 JS-97-52	Soya bean	3	Var. / Seeds /pod / Plant height cm / Yeildqt/ha. RKS-18: 2.8 / 74.8 / 9.4 JS-335: 2.6 / 80.8 / 9.8 RVS-2002-19: 2.8 / 77 / 9.6 DSB-25: 2.3 / 82.4 / 9.5 DSB-23-2: 2.4 / 56.2 / 10.2 JS-97-52: 2.4 / 72.2 / 9.3	The farmers preferred the variety DSB-23-2 for it yields higher, bolder seed and lower pest and insect incidence		2.04:1
4	Varietal evaluation of chilli	Low yield in local varieties	Guntur Hope, Bullet, Demon F1, PusaJwala, Local	Chilli	5	Var. / * PH / NF / FL / YD Guntur Hope: 74.5 / 122.3 / 9.6 / 8.7 Bullet: 68.5 / 104.1 / 5.7 / 5.1 Demon F1: 71.0 / 118.6 / 7.8 / 7.2 PusaJwala: 72.5 / 113.9 / 8.5 / 6.7 Local: 65.5 / 98.7 / 6.2 / 5.9		Increase area for commercial production	NA

5	Management of tikka diseases in Groundnut:	Severe infestation of Tikka disease	Bavistin @ 1 g/l solution	Groundnut	2	Incidence Percentage : Treated Plot (T_1) : i.60 DAS – < 5% ii.75 DAS – 10% iii. 90 DAS –17 % Local Check(T_0) : i.60 DAS – 8-10% ii.75 DAS – 25% iii.90 DAS – 42-45%	Profuse vegetative growth free from disease (tikka) under treated plot as compared to the Local check	Application of Bavistin @ 1 g/l solution at 45-50 days of the crop age effectively controls tikka disease in groundnut.	1.65 : 1
6	Management of Tomato fruit-borer:	Fruit - borer	Neem oil	Tomato	2	Infestation Percentage : Treated Plot (T_1) : i.30 DAP – 2% ii.45 DAP – 5% iii. 60 DAP –15% Local Check (T_0) : i.30 DAP – 8- 10% ii.45 DAP – 12-15% iii.60 DAP – 25%	Marketable yield is enhanced.	Prophylactic Spraying of Neem oil @ 5ml/lt of water is quite effective in the suppression of the pest population	1.8 : 1
7	Performance of Quails (Var. CARI Uttam)		CARI Uttam	Poultry	6	Avg. Body Wt. at 4 wks =142grams Avg. Body Wt. at 5 weeks =205 grams Feed efficiency at 5 wks= 2.85 Avg. Daily Feed intakeupto 5 wks=25 grams Mortality %=5 Age at first egg (in days)=42-56 days Egg Weight (in grams)= 9-14 grams Egg production (in four months)=86-105	A sturdy bird, hatching the eggs is a problem	Needs low cost feed formulations	To be assessed at the end of 1 year

***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 2014-15 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
	Paddy	SRI	3	12	3
	Pea	Cultivation of Pea (Var. Arkel)	3	9	2.25
	Pea	Cultivation of Pea (Var. Azad)	2	4	1.0
	Soya bean	Cultivation of Soya bean (Var. JS 335)	2	6	1.5
	Cabbage	Cultivation of off season cabbage variety Summer Queen	2	4	2.0
	Banana	Scientific cultivation of banana	4	8	4
	Paddy (WTRC)	Effect of IPM modules on the incidence of Leaf folder in rice : Soaking of seeds in 0.2% solution of Monocrotophos 36 WSC for 6 hrs. + Judicious use of NPK @ 60:40:30 kg ha-1 + foliar spray with Monocrotophos @ 500g a.i. ha-1 at 20,45 &75 DAT	2	10	2
	Potato	Integrated Disease Management (Late Blight) in Potato : 1.Cultural Practices - Deep summer plough to expose soil inhabiting pathogens - Judicious use of NPK - Late blight resistance varieties : Kufri Jyoti 2.Seed Treatment - soaking the tubers for 20 min. In 0.2% Mancozeb	3	6	1.25

		3.Machanical Practices - Rougeing out of the infected plants 4.Chemical Practices - Need based spray of Mancozeb 75% WP @ 0.25% - Metalaxyl 8% + Mancozeb 64%WP combination formulation @ 0.25% in case of establishment of the disease			

**** 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.	Maize	Cereal production	HQPM-1	Kharif	4	3	6	-	6	Late available of seeds	Rainfed	-	Ave. 88.5	Ave. 136
2.	Paddy	Cereal production	CAU-R1	Kharif	3	3	8	-	8	-	Rainfed	-	Ave. 93	Ave. 140
3	Toria	Oilseed production	TS-36	Rabi	2	1.5	6	-	6	Reluctant by farmers	Rainfed	-	Ave. 85	Ave. 128
4	Maize	Cereal Production	HQPM-1	Kharif 2015	3	3	09	-	09	-	Rainfed			
5	Pea	Pulse Production	Arkel	Rabi 2015	3	2	06	-	06	Lack of irrigation	Rainfed			
6	Ginger	Spices production	Nadia	Kharif 2015	2.0	2.0	4	-	4	-	Rainfed	M	L	M
7	Taro	Tuber crop	Muktakeshi	Kharif	2.5	2.5	5	-	5	-	Rainfed	-	-	-

		production		2015										
8	Chilli	Vegetable production	Guntur Hope	Kharif2015	2.0	1.5	3	-	3	-	Rainfed	-	-	-
9	Broccoli	Vegetable production	Green Magic	Rabi 2015	2.0	1.5	3	-	3	-	Rainfed	M	L	M
10	Paddy (WTRC)	IPM	Effect of IPM modules on the incidence of Leaf folder in rice	*Kharif*, 2015	2	2	10	-	10	-	-Irrigated -Sandy Loam	60	40	30
11	Potato	IDM	Integrated Disease Management (Late Blight) in Potato	*Rabi*, 2015	2	1.25	6	-	6	-	-Rainfed -Clay Sandy Loam	-	-	-

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	Maize	Cereal production	3	40.5	32.45	21.08	42.85	29.2	Pl .height-No.of cobs/pl-2.25 No.of grains/cob-478.6	Pl .height-No.of cobs/pl- 2.75 No.of grains/cob-396.5	22500	60750	38250	2.7:1	18000	38940	23140	2.16:1

2	Paddy	Cereal production	3	41.5	31.25	32.8	42.2	29.5	Pl. height-48cm Eff.tiller-16 Panicle length-26.3cm	Pl. height-72cm Eff.tiller-11 Panicle length-23.7cm	16000	33200	17200	2.07:1	14500	25000	10500	1.7:1
3	Toria	Seed production	1.5	7.1	6	18.3	7.24	5.33	Pl.height-77cm Branches/pl-7.5 Siliqua/pl-84	Pl.height-68cm Branches/pl-6 Siliqua/pl-70	10000	28400	18400	2.84:1	9000	24000	15000	2.6:1
4	Maize	Cereal Production	3	42.87	36.4	14.3	43	42.5	Pl.Ht 198cm Cob/Pt 1.33 Gr/cob 421.63	Pl.Ht 225cm Cob/Pt 1.43 Gr/cob 372.8	25000	56750	31750	2.27:1	23500	4400	20500	1.87:1
5	Pea	Pulse Production	2	10.8	8.6	25.5	12.7	9	Pods/pt 34.2 Seeds/pod 7.8	Pods/pt 25.9 Seeds/pod 5.9	17850	32400	14550	1.81:1	16000	9600	9800	1.56:1
6	Ginger	Spices production	2.0	215	191	11.16	221	198	-	-	64350	172000	107650	2.67	48500	95500	47000	1.96
7	Taro	Tuber crop production	2.5	207	189	8.69	214	193	-	-	71700	207000	135300	2.89	69950	132300	62350	1.89
8	Chilli	Vegetable production	1.5	89	75	15.73	96	83	-	-	24900	53400	28500	2.14	24200	45000	20800	1.86
9	Paddy	IPM	2	24.9	21.3	16.9%	27.1	22.7	Leaf folder Incidence : 30 DAT –2.86 45 DAT –3.44 60 DAT – 1.5	Leaf folder Incidence : 30 DAT –4.61 45 DAT –5.78 60 DAT –3.77	28,850	44,900	16,050	1.56 : 1	26,960	40,180	13,220	1.49 : 1
10	Potato	IDM	1.25	19.6	17.5	12%	20.5	18.7	Incidence Percentage : i.30 DAS – 7% ii.40 DAS – 8-10% iii. 50 DAS –	Incidence Percentage : i.30 DAS – 12% ii.40 DAS – 17% iii.50 DAS –	17,290	31,500	14,210	1.82:1	15,960	28,600	12,640	1.79:1

									15%(Approx.)	27%								

***H-Highest recorded yield, L- Lowest recorded yield**

**** 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.

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	6	28/6/16, 30/6/16, 4/7/16, 13/7/16, 15/2/16, 16/11/16	-	124	124	
2	Farmers Training	17		-	410	410	
3	Media coverage	-	-	-	-	-	
4	Training for extension functionaries	2	-	-	43	43	
5	Any other (Pl. specify)	-	-	-	-	-	
	Total	25			577	577	

e. Details of FLD on Enterprises

(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

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	
1	Poultry	Health care	Vaccination against Ranikhet disease (RD)	150	150	364	Occurrence of RD= Nil Mortality= Nil	Occurrence of RD= 65% Mortality= 80%		-	-	-	-	-	-	-	-	-	-	Economics cannot be indicated since the farmers were having different flock size, housing etc
2	Pig	Reproductive Management	Back pressure test for detection of estrus in sows	20	20	25	Conception rate= 90%	Conception rate= 70%	20%	-	-	-	-	-	-	-	-	-	-	Economics cannot be indicated conception was taken as the main parameter and there was variation in litter size, piglet mortality etc

**** 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

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

Sl. No.	**Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.**	**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**	
1	Oyster Mushroom	Insect Pest Management	Management of Insect –Pest of Oyster Mushroom	12	1	Yield : i.Harvesting after 3 Weeks - 2.4Kg/Spawning bag ii.Harvesting after 4 Weeks -1.8Kg/ Spawning bag iii.Harvesting after 5 Weeks -1.35Kg/ Spawning bag	Yield : i.Harvesting after 3 Weeks - 2.1Kg/Spawning bag ii.Harvesting after 4 Weeks -1.45Kg/ Spawning bag iii.Harvesting after 5 Weeks - 0.8Kg/ Spawning bag	27.5%	-	-	24,300	55,500	31,200	2.28	22,460	43,500	21,040	1.93	Cultivation of Mushroom under Prophylactic measures for reducing insect pest provides a potential opportunity in enhancing the production.

** 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

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

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
1	Broccoli	Green Magic	1.5	3	116	99	14.65	121	108	74500	232000	168500	3.11	71950	148500	76550	2.06

*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 CampusincludingSponsored On CampusTrainingProgrammes

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

Thematic area	No. of Courses/ prog			Participants																			
				General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total			
	On-Campus (1)	SponOn* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	Grand Total (x+y)
I. Crop Production																							
Weed Management																							
Resource Conservation Technologies																							
Cropping Systems																							
Crop Diversification																							
Integrated Farming																							
Water management																							
Seed production																							
Nursery management																							
Integrated Crop Management																							
Fodder production																							
Production of organic inputs																							
II. Horticulture																							
a) Vegetable Crops																							
Production of low volume and high value	1	-	1							10	-	15	-	25	-	10	-	15	-	25	-	25	

crops																						
Off-season vegetables	1		1							10		13		23		10		13		23		23
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential																						

fruits																					
Micro irrigation systems of orchards																					
Plant propagation techniques																					
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 Managemen																					

t 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 and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management	1	-	1							8	-	17	-	25	-	8	-	17	-	25	-	25
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	1	-	1							27	-	9	-	36	-	27	-	9	-	36	-	36
Integrated Disease Management																					
Bio-control of pests and diseases																					
Production of bio control agents and bio pesticides																					
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																						
Group dynamics																						
Formation and Management of SHGs	2	-	2							20	-	28	-	48	-	20	-	28	-	48	-	48
Mobilization																						

of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	**6**		**6**							**80**		**82**		**162**		**80**		**82**		**162**		**162**

3.3.2.Achievements on Training of Farmers and Farm Women 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/ 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																						
Resource Conservation Technologies	2	-	2							21	-	19	-	14	-	21	-	19	-	14	-	40
Cropping Systems	3	-	3							30	-	43	-	73	-	30	-	43	-	73	-	73
Crop Diversification																						
Integrated Farming																						
Water management	4	-	4							84	-	33	-	117	-	84	-	33	-	117	-	117
Seed production	3	-	3							36	-	31	-	67	-	36	-	31	-	67	-	67
Nursery management																						
Integrated Crop Management	1	2	3							16	19	6	15	22	34	16	19	6	15	22	34	56
Fodder production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						

Export potential vegetables	1		1							9		13		22		9		13		22		22
Grading and standardizatio n																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards	1	-	1							10	-	14	-	24	-	10	-	14	-	24	-	24
Cultivation of Fruit																						
Management of young plants/orchar ds	1		1							10		15		25		10		15		25		25
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques																						
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	1	1	2							10	9	2	12	12	21	10	9	2	12	12	21	33
Processing and value addition																						
e) Tuber crops																						
Production and Management technology	1		1							11		14		25		11		14		25		25
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	4	-	4							36	-	45	-	81	-	36	-	45	-	81	-	81
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						

Dairy Management	1	-	1							20	-	3	-	23	-	20	-	3	-	23	-	23
Poultry Management																						
Piggery Management	1	-	1							10	-	15	-	25	-	10	-	15	-	25	-	25
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 mainstreamin																						

g 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	4							28	32	23	25	51	57	28	32	23	25	51	57	108
Integrated Disease Management																						
Bio-control of pests and diseases	2	-	2							21	-	22	-	43	-	21	-	22	-	43	-	43
Production of bio control agents and bio pesticides																						
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	1	-	1							18	-	14	-	32	-	18	-	14	-	32	-	32
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics	2	-	2							27	-	28	-	55	-	27	-	28	-	55	-	55
Formation and Management of SHGs	1	-	1							16	-	10	-	26	-	16	-	10	-	26	-	26
Mobilization of social capital	1	-	1							13	-	12	-	25	-	13	-	12	-	25	-	25

Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	**33**	**5**	**38**							**426**	**60**	**362**	**52**	**762**	**112**	**426**	**60**	**362**	**52**	**762**	**112**	**900**

(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)

Thematic area	No. of Courses/ Prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	
Mushroom Production																						
Bee-keeping	1	-	1							16	-	8	-	24	-	16	-	8	-	24	-	24
Integrated farming																						

Seed production																					
Production of organic inputs																					
Integrated Farming																					
Planting material production																					
Vermi-culture																					
Sericulture																					
Protected cultivation of vegetable crops	1		1							9		10		19		9		10		19		19
Commercial fruit production																					
Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticulture crops																					
Training and pruning of orchards																					
Value addition																					

Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery	1	-	1							8	-	7	-	15	-	8	-	7	-	15	-	15
Rabbit farming																						
Poultry production	1	-	1							10	-	1	-	11	-	10	-	1	-	11	-	11
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	1		1							10		7		17		10		7		17		17
Tailoring and Stitching																						
Rural Crafts	2	-	2							25	-	24	-	49	-	25	-	24	-	49	-	49
TOTAL	7		7							78		57		135		78		57		135		136

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							8	-	19	-	27	-	8	-	19	-	27	-	27
Bee-keeping																						
Integrated farming	1	-	1							21	-	16	-	37	-	21	-	16	-	37	-	37
Seed production	1	-	1							10	-	15	-	25	-	10	-	15	-	25	-	25
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops	1	-	1							13	-	8	-	21	-	13	-	8	-	21	-	21

Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming	1	-	1							10	-	10	-	20	-	10	-	10	-	20	-	20
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers	1	-	1							13	-	10	-	23	-	13	-	10	-	23	-	23
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																						
TOTAL	6		6							75		78		153		75		78		153		153

C. Extension Personnel

3.3.5. Achievements on Training of <u>Extension Personnel</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes
(*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
Productivity enhancement in field																						

crops																						
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology	1	-	1							11	-	6	-	17	-	11	-	6	-	17	-	17
Formation and Management of SHGs	1	-	1							13	-	7	-	20	-	13	-	7	-	20	-	20
Group Dynamics and farmers organization	1	-	1							9	-	6	-	15	-	9	-	6	-	15	-	15
Information networking among farmers																						
Capacity building for ICT application	1	-	1							10	-	5	-	15	-	10	-	5	-	15	-	15
Care and maintenance of farm machinery and																						

implements																						
WTO and IPR issues																						
Management in farm animals	1	-	1							12	-	8	-	20	-	12	-	8	-	20	-	20
Livestock feed and fodder production	1	-	1							5	-	15	-	20	-	5	-	15	-	20	-	20
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs	**6**		**6**							**60**		**47**		**107**		**60**		**47**		**107**		**107**

3.3.6. Achievements on Training of <u>Extension Personnel</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> 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	1	-	1							18	-	9	-	27	-	18	-	9	-	27	-	27
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	1	-	1							18	-	17	-	35	-	18	-	17	-	35	-	35
Management																						

in farm animals																						
Livestock feed and fodder production	1	-	1							5	-	15	-	20	-	5	-	15	-	20	-	20
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs	1	-	1							8	-	5	-	13	-	8	-	5	-	13	-	13
TOTAL	**4**		**4**							**49**		**46**		**95**		**49**		**46**		**95**		**95**

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

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**
Horticulture	Crop Production	Production of Low volume High Value Crops	9/4/15	1	KVK	Farmer & Farm Women				10	15	25	10	15	25
Extension	Capaci	Gender	14/4/15	1	KVK	Farmer & Farm				10	13	23	10	13	23

	ty Buildin g	Mainstreaming through SHG				Women										
Extension	Capaci ty Buildin g	Strengthening of SHG enhancing Structural Potentiality	14/5/15	1	KVK	Farmer & Farm Women				10	15	25	10	15	25
Animal Science	Pigger y	Metritis- Mastitis-Agalactia syndrome in pigs	14/5/15	1	KVK	Farmer & Farm Women				8	17	25	8	17	25
Plant Protectio n	Honey produc tion	Techniques of Bee Keeping	3/6/15	1	KVK	RY				16	8	24	16	8	24
Animal Science	Livesto ck Produc tion	Concept and Prospect of Organic Livestock Farming	8/6/15	1	KVK	RY				8	17	25	8	17	25
Extension	Capaci ty buildin g	Formation and management of SHGs	23/7/15	1	KVK	EF				13	7	20	13	7	20
Animal Science	Animal Health	Antibiotics in Livestock Health Care	29/7/15	1	KVK	EF				5	15	20	5	15	20
Plant Protectio n	Plant Health	Hands on Training on Plant protection measures with special reference to Kharif cereals	18/8/15	1	KVK	Farmer & Farm Women				27	9	36	27	9	36
Horticultu re	Tuber Produc tion	Production of potato through tuberlets	19/10/15	1	KVK	EF				11	6	17	11	6	17
Horticultu re	Nurser y Manag ement	Nursery Raising and cultivation of winter vegetable crops	24/10/15	1	KVK	Farmer & Farm Women				15	13	28	15	13	28

Animal Science	Poultry Production	Broiler Management and Production	16/11/15	1	KVK	RY				10	1	11	10	1	11
Extension	Capacity building	Managing Group Dynamics	27/11/15	1	KVK	EF				9	6	15	9	6	15
Extension	Capacity building	Entrepreneurial development of youth	2/12/15	1	KVK	RY				12	16	28	12	16	28
Animal Science	Capacity building	ICT in Livestock Management	10/12/15	1	KVK	EF				10	5	15	10	5	15
Horticulture	Value Addition	Post-Harvest technology of Vegetable crops	10/1/16	1	KVK	RY				10	7	17	10	7	17
Animal Science	Poultry Production	Advances in Poultry Production and Management	9/2/16	1	KVK	EF				12	8	20	12	8	20
Extension	Capacity building	Entrepreneurial development of youth	18/2/16	1	KVK	RY				13	12	25	13	12	25
Horticulture	Vegetable Production	Protected cultivation of Tomato	19/2/16	1	KVK	RY				10	10	20	10	10	20
Horticulture	Off-season vegetables	Cultivation of off season cabbage	21.3.16	1	KVK Conference hall	Farmer & Farm Women	-	-	-	10	13	23	10	13	23

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
Animal Science	Animal health care	Gastrointestinal parasitism and skin disorder in pig	10/4/15	1	Mongsenyimti	Farmer & Farm Women				10	15	25	10	15	25
GPB	Organic farming	Training on organic farming	21/4/15	1	Longkhum	Farmer & Farm Women				11	10	21	11	10	21
Plant protection	Organic farming	Training on organic farming	22/4/15	1	Longkhum	RY				21	16	37	21	16	37
Agronomy	Cereal production	Cultivation of paddy under SRI	22/4/15	1	Mokokchung Village	Farmer & Farm Women				11	6	17	11	6	17
Plant	Honey	Training on seasonal	12/5/15	1	Aliba	Farme				18	14	32	18	14	32

protection	production	management of honey bee				r & Farm Women										
Agronomy	Rice production	Cultivation of paddy under SRI	21/5/15	1	Longjang	Farmer & Farm Women				12	15	27	12	15	27
GPB	Rice production	INM in paddy	25/5/15	1	Chungtia	Farmer & Farm Women				16	6	22	16	6	22
Agronomy	Rice production	Cultivation of paddy under SRI and line sowing	2/6/15	1	Chungtia	Farmer & Farm Women				16	12	28	16	12	28
Horticulture	Fruit production	Banana Orchard management	9/6/15	1	Lakhuni	Farmer & Farm Women				10	14	24	10	14	24
GPB	Pulse production	Package of practices in soybean	15/6/15	1	Longkhum	Farmer & Farm Women				10	15	25	10	15	25
Extension	Resource management	Mobilization of social capital in villages	16/6/15	1	Aliba	Farmer & Farm Women				13	12	25	13	12	25
Agronomy	Pulse producti	Cultivation of Soybean and Beans	16/6/15	1	Atuphumi	Farmer &				10	15	25	10	15	25

	on					Farm Women										
Horticulture	Vegetable production	Protected cultivation	22/6/15	1	Alichen	RY				13	8	21	13	8	21
Plant protection	IPM	Diseases and insect pest management on groundnut	8/7/15	1	Sabangya	Farmer & Farm Women				18	8	26	18	8	26
Agronomy	Rice production	Cultivation of paddy under SRI	17/7/15	1	Tuli	Farmer & Farm Women				45	0	45	45	0	45
GPB	Value addition	Training on value addition in tomato and chilli	21/7/15	1	Settsu	Farmer & Farm Women				0	15	15	0	15	15
GPB	Capacity building	Gender mainstreaming	6/8/15	1	Mokokchung	EF				8	5	13	8	5	13
Animal Science	Poultry production	Quail farming	7/8/15	1	Mokokchung village	RY				10	10	20	10	10	20
GPB	Pulse production	Training on package and practicesofFrench bean	11/8/15	1	Longkhum	Farmer & Farm Women				10	13	23	10	13	23
Extension	Capacity building	Technical strengthening of SHG for enhancing functional potentiality	20/8/15	1	Aliba	Farmer & Farm Wome				13	12	25	13	12	25

						n										
Extension	Capacity building	Technical strengthening of SHG for enhancing functional potentiality	4/9/15	1	Kinunger	Farmer & Farm Women				14	16	30	14	16	30
GPB	Rice production	Quality seed production on rice	4/9/15	1	Kinunger	Farmer & Farm Women				14	16	30	14	16	30
GPB	Rice production	Quality seed production on rice	11/9/15	1	Longjang	Farmer & Farm Women				16	10	26	16	10	26
Ext	Capacity building	Book keeping	11/9/15	1	Longjang	Farmer & Farm Women				16	10	26	16	10	26
Animal science	Capacity building	Fodders for diary animals	14/9/15	1	Mokokchung village	Farmer & Farm Women				20	3	23	20	3	23
Plant breeding	Capacity building	Protection of plant varieties and farmer's right Act- 2001	18/9/15	1	Mokokchung village	EF				18	17	35	18	17	35
GPB	Pulse production	Package and practice of pea	2/10/15	1	Longkhum	Farmer & Farm Women				10	11	21	10	11	21
Ext	Capacity building	Entrepreneurial development of youth	6/10/15	1	Chuchuyimlang	RY				13	10	23	13	10	23

GPB	Plant Protection	Managing insect vectors for healthy potato	8/10/15	1	Mosengyimti	Farmer & Farm Women				16	11	27	16	11	27
Animal science	Livestock production	Technologies on livestock products	13/10/15	1	Chungtia	EF				5	15	20	5	15	20
Agronomy	Rice Production	Post-harvest management of paddy.	28/10/15	1	Longjang	Farmer & Farm Women				6	5	11	6	5	11
GPB	Pulse production	Cultivation practices of pea	4/11/15	1	Mokokchung	Farmer & Farm Women				5	11	16	5	11	16
Plant protection	IPM	Biological management tactics of insects in Cole crops	9/11/15	1	Khensa	Farmer & Farm Women				18	11	29	18	11	29
Horticulture	Value addition	Post-harvest: handling of tomato	16/11/15	1	DAO MKG	EF				18	9	27	18	9	27
Agronomy	INM	Compost making	23/11/15	1	Moayimti village	Farmer & Farm Women				4	8	12	4	8	12
Agronomy	Crop production	Tea cultivation	24/11/15	1	Aosenden	Farmer & Farm Women				10	2	12	10	2	12

Horticulture	Orchard	Management of young fruit trees	24/11/15	1	Yimcahalu	Farmer & Farm Women				10	15	25	10	15	25
Agronomy	INM	Fallow management	4/12/15	1	Longsa	Farmer & Farm Women				10	15	25	10	15	25
Horticulture	Value addition	Post harvest handling of tomato	10/12/15	1	Longjang	Farmer & Farm Women				9	14	23	9	14	23
Plant protection	IPM	Judicious use of insecticides for managing aphids in pea	18/12/15	1	Longkhum	RY				15	11	26	15	11	26
Plant Breeding	INM	INM in Pea	12/1/16	1	Chungtiayimsen	Farmer & Farm Women				6	16	22	6	16	22
Agronomy	Value Addition	Post harvest management of oilseeds	21/1/16	1	Khanimu	Farmer & Farm Women				10	9	19	10	9	19
Plant Protection	Mushroom Production	Management of green mould in mushroom	3/2/16	1	Aliba	RY				8	19	27	8	19	27

Horticulture	Production and Management technology	Production technology of Taro and Cassava	16/2/16	1	Kangtsung	Farmer & Farm Women	-	-	-	11	14	25	11	14	25
Animal Science	Feed and Nutrition	Strategic Mineral Supplementation in Pigs	16/3/16	1	Kubza	Farmer & Farm Women	-	-	-	11	14	25	11	14	25

(D) Vocational training programmes for Rural Youth

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	
Food processing	5 – 8 May 2015	4	Food processing g and value addition	Post harvest management and value addition of vegetables				5	12	17	5	12	17					

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
Off	Farmer & Farm Women	21/4/15	1	Plant protection		Practical approaches on organic production and management of kholar and maize				19	15	34	19	15	34	NFSM	6000
Off	Farmer & Farm Women	22/4/16	1	Plant breeding		Practical approaches on organic production and management of kholar and maize				16	6	22	16	6	22	NFSM	5000
Off	Farmer & Farm Women	4/9/16	1	Plant protection		IPM on Rice				15	15	30	15	15	30	RKVY	11500
Off	Farmer & Farm Women	10/9/15	1	Plant protection		Biological suppression of insect pest in rice				17	10	27	17	10	27	RKVY	9000
Total										67	46	113	67	46	113		31500

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, KisanMela, 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			31				126	115	241				126	115	241
2	Diagnostic visit			80				271	231	502				271	231	520
3	Field day			6				50	74	124				50	74	124
4	Group Discussion			28				288	280	568				288	280	568
5	KishanGosthi															
6	KishanMela															
7	Film show															
8	SHG formation															
9	Exhibition			2												
10	Scientists visit to farmers fields			35				61	78	139				61	78	139
11	Plant/ Animal Health camp															
12	Farm science club			1				5	7	12				5	7	12
13	KissanSammelan			1				34	27	61				34	27	61
14	Farmers seminar/ workshop															
15	Method demonstration			12				98	120	218				98	120	218
16	Celebration of important days (soil health day)			1				203	47	250				203	47	250
17	Exposure visits															
18	Electronic media (CD/DVD)															
19	Extension literature			12												
20	Newspaper coverage			3												
21	Popular articles			3												
22	Radio talk															
23	TV talk															
24	Training manual															
25	Soil health camp															
26	Awareness camp			1				100	46	146				100	46	146
27	Lecture delivered as resource person			15				128	189	317				128	189	317

28	Farmers visit to KVK			2				36	50	86				36	50	86
29	Farmer-Scientist interaction															
30	Soil test campaign															
31	MahilaMandal Convener meet															
32	Any other (vaccination piggery)			1				26	9	35				26	9	35
Grand Total				**234**				**1426**	**1273**	**2699**				**1426**	**1273**	**2699**

3.5 Production and supply of Technological products during 2015-16

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	CAU-R1	3	3000	-	12	12
OILSEEDS	Toria	TS-36	1.2	3600	-	12	12
PULSES							
VEGETABLES	Tomato	Megha 2	0.045	4500	-	20	20
FLOWER CROPS							
OTHERS (Specify)	Taro	Muktakeshi	1.5	3750	-	32	32
	Ginger	Nadia	1.0	2500	-	3	3

A1. SUMMARY ofProduction and supply of Seed Materials during 2015-16

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	0.3	3000		12	12
2	OILSEEDS	0.12	3600		12	12
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL						

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
Fruits	Banana	G 9	0.005	5000	-	5	5
Spices	Chilli	Guntur Hope	0.018	5400	-	10	10
VEGETABLES	Tomato	Rocky	0.014	4200	-	10	10
	Cabbage	Rareball	0.012	3600	-	5	5
	Broccoli	Green Magic	0.015	4500	-	6	6
	Cucumber (off season)	Local	0.013	3900	-	4	4
Forest Spp.							
Plantation crops							
Medicinal plants							
OTHERS (Pl. Specify)							

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

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits	0.005	5000	-	5	5
2	Spices	0.018	5400	-	10	10
3	Ornamental Plants					
4	VEGETABLES	0.054	16200	-	25	25
5	Forest Spp.					
6	Medicinal plants					
7	Plantation crops					
8	OTHERS (Specify)					
TOTAL						

C. Production of Bio-Products during 2015-16

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
BIOAGENTS								
BIOFERTILIZERS								
1								
BIO PESTICIDES								
1								

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

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS							
2	BIO FERTILIZERS							
3	BIO PESTICIDE							
	TOTAL							

D. Production of livestock during 2015-16

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
	Cattle/ Dairy							
	Goat							
	Piggery							

	Poultry							
	Fisheries							
	Others (Specify)							

D1. SUMMARY of production of livestock during 2015-16

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	CATTLE							
2	SHEEP & GOAT							
3	POULTRY							
4.	PIGGERY							
5	FISHERIES							
6	OTHERS (Pl. specify)							
	TOTAL							

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

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

(B) Articles/ Literature developed/published

Item	Title/and Name of Journal	Authors name	Number of copies
Research papers			
	Impact of Front Line Demonstration (FLD) on the yield of Chilli, *Capsicum annum*	RenbomoNgullie and PijushKantiBiswas	Communicated
Training manuals			
Technical Report			
Book/ Book Chapter	1.Biological and mechanical management of rice leaf	Dr. RuopfuselhouKehie	-

	folder		
Popular articles			
Technical bulletins	1.Biological supression of insect pest with *trichogramma* spp.	Dr. RuopfuselhouKehie	-
Extension bulletins			
Newsletter			
Conference/ workshop proceedings			
Leaflets/folders	Value added products of Banana fibre Post harvest handling of Tomato Bordeaux preparation Buckeye rot of tomato in local dialect Cabbage diamond black moth local dialect Cabbage stem borer local dialect Package of practices cowpea in local dialect Potato leaf blight local dialect Potato white grub local dialect Tomato leaf curl local dialect Tomato fruit borer local dialect Quail farming Trap crops and its importance Cropping system – To enhance Livelihood Security Soil Management Through Agroforestry	RenbomoNgullie RenbomoNgullie RenbomoNgullie Bendangjungla.I Bendangjungla.I Bendangjungla.I Bendangjungla.I Bendangjungla.I Bendangjungla.I Bendangjungla.I Bendangjungla.I Dr. Rongsensusang K. Samuel Sangtam K. Samuel Sangtam K. Samuel Sangtam	150 150 100 100 150 200 170 120 150 100 150 150 250 250 100
e-publications			
Any other (Pl. specify)			
TOTAL			**2370**

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

(C) Details of Electronic Media Produced

S. No.	**Type of media (CD / VCD / DVD / Audio-Cassette)**	**Title of the programme**	**Number produced**

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

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

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

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

- Identification of courses for farmers/farm women
- Rural Youth
- Extension personnel

3.11 Field activities

i. Number of villages adopted : 6

ii. No. of farm families selected : 60

iii. No. of survey/PRA conducted : 6

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Completed

1. Year of establishment : 2011

2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Visiscan spectrophotometer	1	81,200
2	Digital Flame Photometer	1	54,875
3	Digital P.H meter with electrode	1	17,100
4	Digital conductivity meter with cell	1	16,845
5	Physical balance	2	5,100
6	Chemical balance	1	3,125
7	VAT 13.5%		23,695
		7	**2,01,903**
SDFR		1	
Mridaparikshak Soil testing Minin Lab Solar Operated		1	**75000**

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	60	60	20	1450
Water Samples	-	-	--	-
Plant Samples	-	-	-	-
Petiole Samples				
Total	60	60	20	1450

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

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	**60**	**5753**	**30**	**2923**	**34**	**4641**	**10**	**2200**	**15**	**1500**	**8**	**1200**	**157**	**18217**
Voice only	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
Voice and Text both	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total	**60**	**5753**	**30**	**2923**	**34**	**4641**	**10**	**2200**	**15**	**1500**	**8**	**1200**	**157**	**18217**

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	1.5			**15**
	Any other (Please specify)				
Long dry spell	**Already sown crops** i. In-situ moisture conservation to safeguard the standing crop from moisture stress. ii. Mulching with crop residue or thin plastic sheets if the water stress continues. iii. Raising nursery of crops in which transplanting is easily possible for filling the gaps	1.0 1.5			**10** **15**

a. Livestock based Contingency planning

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
Drought	**200**	**2**	**2**	**300**		**150**	**150**

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

(Please furnish detailed information for each case)

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State Agricultural Research Station (SARS) Yisemyong	Joint implementation in conducting training, demonstration, meeting, trials etc.
DAO, DHO, DVO, DSCO, DFO,LRD in the district	Conducting training, demonstration programmes
ICAR, Jharnapani, Nagaland University	Consultation, meeting and exchange of technologies

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

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
NFSM	Demonstration on Cereals, Coarse Cereal and Pulses	April '15 – March'16	Deptt. Of Agriculture, Nagaland	
RKVY	IPM (FFS)	April '15 – March'16	Deptt. Of Agriculture, Nagaland	106800

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	Training, trial & Demonstration, Exhibition, Joint field visit	Resource person and programme Planning, implementation and monitoring	Actively participating in programme implementation

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2015-16

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Vermi Compost	2018	20 sq. m	*Eseniafoeteta*	Compost	450 Kg	2500	4500	
2	Banana Fiber Extraction	2010	500 Sq.m	-	Fiber				
3	Goatery	2013	0.8 ha	Beetle Cross Assam Local	Kids	8	5000	8000	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice									
Wheat									
Maize	9/4/15	-	$12m^2$	RCM-76					Poor growth
Any other									

Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Any other Kolar	 18/8/15 24/9/15	 - -	 12m^2 10m^2	 Local Local					 Poor performance
Soyabean	5/6/15		6m^2	JS-97-57 JS-335 DSB-25 RKS-18 RVS-2002-19 DSB-23-2 JS-95-60	Seeds				Varietal trial
Oilseeds									
Mustard									
Soy bean									
Groundnut	28/9/15	9/12/15	12m^2	TG-51		1.400g			
Any other									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
i.Cabbage	28/9/15 17/11/15	29/1/16 9/2/16	12m^2 20m^2	BC 76 Drum head	Head Head	12.5kg -do-		250 -do-	

ii.Tomato	6/10/15 8/10/15	21/1/16	26m^2	Rocky	Fruit	11kg		330	
iii.Broccoli	6/10/15	8/2/16	20m^2	Green magic	Head	9kg		360	
iv. Knolkhol	7/10/15	28/1/15	14m^2	Winner		8.5kg		170	
v. Potato	19/10/15 30/9/15		20m^2 10m^2	Kufrijyoti HPS 11/64					Ongoing
vi. Bottle gourd	2/4/15	8/7/15	20m^2	GADDA140		64 nos	228	985	
vii.Bitter gourd	7/4/15	17/6/15	13m^2	Champion		33.5 bunches		670	
Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Vermi Compost	450 Kg	2500	4500	

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Goat	Beetle cross Assam Local	Kids	8 nos	5000	8000	-

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total

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

Accommodation available (No. of beds) :

Months	Title of the training course/Purpose	Duration of Training	No. of trainees stayed	Trainee days (days	Reason for short fall (if any)

	of stay			**stayed)**	
Total					
Grand total					

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**
With Host Institute	State Bank of India	Lerie, Kohima	01000050059
With KVK	State Bank of India	Mokokchung, Main Branch	01000050913
Revolving Fund	Nagaland State Cooperative Bank	Mokokchung	20003392

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

Item	**Released by ICAR/ZPD**		**Expenditure**		**Unspent balance as on 31st March, 2015**
	Year	**Year**	**Year**	**Year**	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

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	103	103	103
2	Traveling allowances	2.20	2.2	2.26
3	Contingencies			
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	15.8	9.5	9.5
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		121	114.7	114.76
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture	8.00	8.00	8.00
3	Vehicle (Four wheeler/Two wheeler, please specify)	-		
4	Library (Purchase of assets like books & journals)	-		
TOTAL (B)		8.00	8.00	8.00
C. REVOLVING FUND		-		
GRAND TOTAL (A+B+C)		129	122.7	122.76

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
April 2013 to March 2014	30000	25000	30000	25000
April 2014 to March 2015	25000	44350	9500	34850
April 2015 to March 2016	34850	41560	10100	31460

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