PROFORMA FOR ANNUAL REPORT OF KVKS, 2017-18

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, 2018)**

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	Sr. Scientist & Head	Dr .Pijush Kanti Biswas	Sr. Scientist & Head	Horticulture	47800	38800+9000	15/4/13	Temporary	Gen.
2	Subject Matter Specialist	RenbomoNgullie	ACTO (Horticulture)	Horticulture	28250	22850+5400	24.05.06	Temporary	ST
3	Subject Matter Specialist	Dr. Rongsensusang	ACTO (Vety. &AH)	Vety& AH	28250	22850+5400	24.05.06	Temporary	ST
4	Subject Matter Specialist	Samuel Sangtam	ACTO (Agronomy)	Agronomy	28250	22850+5400	24.05.06	Temporary	ST
5	Subject Matter Specialist	Bendangjungla.I	ACTO (PB &G)	PB &G	28250	22850 + 5400	24.05.06	Temporary	ST
6	Subject Matter Specialist	RuyosuNakro	ACTO (Extension)	Agri. Extension	27420	22020+5400	13.11.07	Temporary	ST

7	Subject Matter Specialist	Dr.Ruopfuselhuo Kehie	ACTO (Entomology)	Entomology	27420	22020+5400	15.02.07	Temporary	ST
8	Programme Assistant	Moainla	TO	Horticulture	19440	15240+4200	24.05.06	Temporary	ST
9	Computer Programmer	I.Tangitla	TO (Computer)	BLIS	19440	15240+4200	24.05.06	Temporary	ST
10	Farm Manager	Ilika v achumi	TO Farm manager	Horticulture	18870	14670+4200	19.02.07	Temporary	ST
11	Accountant / Superintendent	Meyatula	Office Supt-cum-Accountant	PU	19440	15240+4200	01.06.06	Temporary	ST
12	Stenographer	Imosangla	Jr. Steno-cum-Computer Operator	PU	13290	10890+2400	01.06.06	Temporary	ST
13	Driver	Supongmeren	Driver	Matriculate	10330	8330+2000	01.06.06	Temporary	ST
14	Driver	Jongpongyanger	Driver	Matriculate	9180	7180+2000	01.03.10	Temporary	ST
15	Supporting staff	Imkonglemla	Peon	Matriculate	8190	6890+1300	01.06.06	Temporary	ST
16	Supporting staff	Aotoshi	Chowkidar	Matriculate	7260	5960+1300	01.03.10	Temporary	ST
	Total								

Note: No column in the table must be left blank

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
5	Fencing	ICAR	NA	7500 mtr	3.5 lakhs	2011	-	Completed
6	Fencing	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
Bolero	NL-10 C0496	2016	8.0 Lakhs	21000	Good

C) Equipments& AV aids

Name of the equipment	Year of Purchase	Cost (Rs.)	Present status
1. Computer	2004, 2016	70000	2004 unserviceable
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 2017-18

Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
4/4/17	Dr. Deepak Chetri Project Director SARS Talimeren AHO DHO Tiakala Announcer AIR Amarjit Deputy Manager NABARD Rongsenla DPD ATMA Imkongtoshi. DSCO Sunep. DFO Bendangmongla Farmer Dr. Pijush Kanti Biswas Senoir Scientist and Head KVK Ruyosu Nakro ACTO	Approval of all the publications Presentation of activities, report and action plan	All the recommendations were refined and finalized for implementation of the programmes

	Extension Renbomo Ngullie ACTO Horticulture Bendangjungla. I ACTO Plant Breeding K.Samuel Sangtam ACTO Agronomy Dr. RuopfuselhouKehie ACTO Plant Protection Dr. Rongsensusang ACTO Vety.& A.H		

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

2. DETAILS OF DISTRICT

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

.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	8294	18247	22
2.	WTRC Paddy	2420	7744	32

3.	Maize	575	1260	22
4.	Beans	98	132	13.5
5.	Pea	78	125	16
6.	Rapeseed/ Mustard	103	98	9
7.	Potato	158	917	65
8.	Tapioca	213	4579	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	110.63	22.09	17.95	79.65
May	176.50	25.4	19.85	79.15
June	350.00	26.2	21.25	89.70
July	420.00	27.1	21.60	78.9
August	450.00	25.05	22.32	76.8
September	240.00	25.9	20.1	82
October	380.00	24.9	19.2	74
November	120.75	21.4	15.7	76
December	Nil	16.4	11.4	78
January	Nil	14.7	8.85	73
February	Nil	15.9	9.24	72
March	75.30	18.7	11.75	73

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 (2017-18)

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,Longsa Mokokchung	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)	Chungtia, Aliba,Khensa	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	Mopungchuket, Impur	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	Chuchuyimlang, Unger, Akhoya	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	Longsemdang, Khar	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	Japu Nokpu	Paddy, Tapioca, Maize, colocassia, Agar, 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 2017-18

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
Horticulture	3	2	7	5	6	4	17	12
Agronomy	3	2	9	6	5	4	30	24
Plant breeding	3	2	9	6	4	3	18	15
Plant Protection	2	2	4	4	2	2	12	12
Total	**11**	**8**	**29**	**21**	**17**	**13**	**77**	**63**

Note: Target set during last Annual Zonal 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 set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2017-18

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	Vegetable production	Cabbage	Low yield due to poor adoption of suitable varieties	Varietal evaluation of cabbage	-	-	-	Field day, awareness programme Advisory service,	Seed, plant protection chemicals.
2	Vegetable production	Okra	Poor yield due to use of low yielding varieties	Varietal evaluation of okra	-	-	-	Advisory service, Field day, awareness programme	Seed, plant protection chemicals.
3	Vegetable production	Chilli	Low yield in existing varieties	-	FLD on improved chilli variety	-	-	Advisory service, Field day,	Seed, plant protection chemicals.
4	Vegetable production	Onion	Poor management practices	-	Scientific cultivation practices of onion	-	-	Advisory service, Field day, awareness programme	Seed, plant protection chemicals.
5	Vegetable production	Cucumber	Low yields due to non adoption of recommender practices	-	Scientific cultivation of off season cucumber	-	-	Advisory service, Field day, awareness programme	Plant protection chemicals.
6	Vegetable production	Broccoli	Lack of awareness in high value crops	-	Demonstration on Broccoli var. Green Magic	-	-	Advisory service, Field day, awareness programme	Seed, plant protection chemicals.
7	Crop production	Paddy	Long duration and poor yield	Performance trial on paddy 1. Hakuchu - 1 2.Tripura Nirog 3. Gomati dhan		Cultivation of lowland paddy	-	Field visit	Seeds
8	Crop production	Maize	Long duration, tall varieties and low yield	Performance trial on Maize TRCM 1-1 TRCM 2-1		Package and practices of maize cultivation	-	Field visit	Seeds

9	Crop production	Paddy	Long duration and poor yield		Demonstration on Paddy CAU R-1	Cultivation of paddy	-	Field visit, field day	Seeds
10	Crop production	Maize	Long duration, tall varieties and low yield		Demonstration on Maize RCM -76	Cultivation of HYV Maize	-	Field visit, field day	Seeds
11	Pulse production	Soybean	Early sowing and use of age old varieties		Demonstration on Soybean JS-335	Cultivation of Soybean	-	Field visit, field day	Seeds
12	Oilseed production	Toria	Less adaption of Toria cultivation, leave field fallow during rabi		Demonstration on Toria TS-38	Cultivation practices of Toria	-	Field visit, fieldday	Seeds
13	Vegetable production	Cowpea	Low yield in local cultivars	Performance trial on cowpea	-	-	-	Field day, awareness programme Advisory service,	Seed, plant protection chemicals.
14	Vegetable production	Bitter gourd	Lack of awarenes s in high value crops	Performance trial on bitter gourd	-	-	-	Field day, awareness programme Advisory service,	Seed, plant protection chemicals.
15	Cereals production	Maize	Low yield in existing varieties	-	Demonstration on HYV of Maize	-	-	Advisory service, Field day, awareness programme	Seed, plant protection chemicals.
16	Pulses production	Pea	Low yield in existing varieties	-	FLD on improved Pea variety	-	-	Advisory service, Field day, awareness programme	Seed, plant protection chemicals.
17	Tuber production	Tapioca	Low yield in existing varieties	-	Demonstration on improved tapioca variety	-	-	Advisory service, Field day, awareness programme	Seed, plant protection chemicals.

18	Plant Protection	Pigeon Pea	Pod bug	Efficacy of Imidaclorprid 17.8 SL against pod bugs in Pigeon Pea	-	Management of Insect Pesti in Pigeon Pea	-	Diagnostic visit, Visit to Farmers Field.	- Supply of Seed - Supply of Insecticides
19	Plant Protection	Pea	Pea Aphids	Management of Pea Aphid	-	-	-	, Visit to Farmers Field,	- Supply of Seed - Supply of Insecticides
20	Plant Protection	Paddy	Severe Infestation of Rice leaf folder	-	IPM module against Rice Leaf folder	Training and demonstration in IPM on Rice Leaf folder	-	Advisory services, Method Demonstration	- Supply of Bio-pesticides - Supply of Bio-agents
21	Plant Protection	Okra	Aphids	-	Efficacy of Imidaclorprid 17.8 SL @ 20g a.i against Aphids	Training on Management of Insect Pests in Okra	-	Diagnostic visit, Method Demonstration	- Supply of Seed - Supply of Insecticides

3.1 Achievements on technologies assessed and refined during 2017-18

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	2				4					6
Seed / Plant production										
Weed Managem										

ent										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management			2							2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	2		2		4					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**	**Rabbitery**	**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.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitery**	**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. Results of On Farm Testing (OFT)

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 evaluation of cabbage	Low yield due to poor adoption of suitable varieties	Rareball Green Express BC 76	Cabbage	3	Varieties *PH cm FD cm FW gm Yld mt Rareball Green : 30.2 14.9 701 25.1 Express : 31.6 14.7 695 25.4 BC 76 : 33.1 15.8 806 28.4	--	BC 76 can be taken up for commercial production	NA
2	Varietal evaluation of Okra	Poor yield due to use of low yielding varieties	Chameli 015 OH 597 Local	Okra	2	Varieties *FL cm FD cm FW gm Yld mt Chameli 015 : 19.5 2.24 35 13.6 OH 597 : 15.2 1.8 23 11.2 Local : 12.6 1.4 20 9.8	Chameli 015 is soft, less fiber and good to eat.		NA
3	Performance trial on paddy	Local cultivars were mostly long duration and low yield potential	1. Hakuchu - 1 2.Nirog 3. Gomati dhan	Lowland paddy/rainfed.	3	<u>Nirog</u> Ave. Pt.ht-127.33cm Panicle lenght-28.10cm Eff. tiller- 18.25 Yield - 47qt/ha	Higher yield than existing varieties.	-	3:1
4	Performance trial on maize	Long duration and tall type plant	TRCM 1-1 TRCM 2-1	Rainfed	3	<u>TRCM-1-1</u> Ave.Pt.ht-231.64cm Ave.No. of grains/cob-608 Ave. Cob length- 19.5 cm Yield - 36.8qt/ha	Good growth performance and better cob size with	-	2.94:1

							uniform grain filling		
5	Performance trial on cowpea	Low yield in local cultivars	Triguna	Cowpea	3	Length of the fruit(cm)=25.8 Avg.Yield/plant=1.01kg	Matures earlier than the local variety.		2.2:1
6	Performance trial on bitter gourd	Lack of awareness in high value crops	Palee	Bitter gourd	3	Length of the fruit(cm)=24.8 Fruit cir (cm)= 10.23 Yield=209.1q/ha	Higher yeilg and less pest infestation.		1.81:1
7	Efficacy of Imidacloprid 17.8 SL against pod bugs in Pigeon Pea	Discoloration and shriveled seeds due to severe Pod bug infestation	Imidaclorid 17.8 SL @ 300ml/ha	Pigeon Pea	2	Mean Population of Pod bug /Plant After 1st spray – Treated Plot:1.89 Untreated : 3.76 After 2nd spray Treated Plot:2.05 Untreated:4.10	Significant reduction of pod bug infestation and Enhance the crop yield	Spraying of Imidacloprid 17.8 SL @ 300ml/ha at 45-50 % flowering followed by 15 days after first spray effectively reduces further multiplication of Pod bug infestation	NA
8	Management of Pea Aphid	High level of Aphid infestation	Application of Carbofuran @ 30 kg/ha in furrows at the time of sowing	Pea	2	Average no. of Aphids/plant (Upper ,middle &Lower parts of the plant): First Observation – 2.15 Second Observation – 3.44 Third Observation –2.08 Average no. of Aphids/plant under check plot: First Observation – 10.92 Second Observation – 10.783 Third Observation –12.25	Marketable yield is enhanced.	Application of Carbofuran @ 30 kg/ha in furrows at the time of sowing is quite effective in the suppression of the aphids population	NA

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

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

3.2 Achievements of Frontline Demonstrations during 2017-18

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

List of technologies demonstrated during previous years and popularized during 2017-18 and recommended for large scale adoption in the district

Sl. No	Crop and Variety/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Broccoli	Cultivation of high yielding broccoli variety	3	6	2.5
2	Tomato	Cultivation of improved variety of tomato	2	5	2.0
3	Pea	Pea	5	15	5
4	Maize	HQPM-1	3	16	8
5	Paddy	IPM module against leaf folder Rice : i. -Summer ploughing ii. - Seed treatment with carbendazim 50% WDP @ 1.5g/kg of seed iii. -Application of fipronil 0.3G @ 5kg/10 cent in the nursery bed before 5 days of uprooting of seedling iv. -Setting up pheromone traps @ 5nos/ha v. -Release of *Trichogramma japonicum* @1.0 lakh/ha at 30 DAT, 40 DAT& 50 DAT vi. -Spraying of neemzol@1ml/lt at ETL	2	6	2
6	Okra	Efficacy of Imidacloprid 17.8 SL @ 20g a.i against Aphids	3	6	3

**** 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.	Chilli	Vegetable production	Guntur Hope	Kharif 2017	2.0	1.5	3	-	3	-	Rainfed			
2	Onion	Spices production	Nasik Red	Rabi 2017	2.0	1.3	3	-	3		Rainfed			
3	Cucumber	Vegetable production	Local	Rabi 2017	1.5	1.0	2	-	2		Rainfed			
4	Broccoli	Vegetable production	Green Magic	Rabi 2017	2.0	1.8	4	-	4		Rainfed			
5	Paddy	Increase in production and productivity	CAU R-1	Kharif, 2017	6	4	8	-	8	-	Rainfed, Silt loam, 450-800msl	-	9.7 kg/ha	124 kg/ha
6	Soyabean	Seed production	JS-335	Kharif 2017	2	2.5	8	-	8	-	Rainfed, siltloam, 750-	-	9.2 kg/ha	131 kg/ha

											1100 msl			
7	Maize	Seed production	RCM -76	Kharif 2017	-	2	4	-	4		Rainfed, silt loam, 800-1200 msl	-	9.5kg/ha	138 kg/ha
8	Toria	Seed production	TS-38	Rabi 2017	1	1	4	-	4	-	Rainfed, silt loam, 425-900msl		9.0kg/ha	141 kg/ha
9	Maize	Cereals production	HQPM-7	Kharif 2018	2.5	2	5		5		Rainfed			
10	Tapioca	Tuber production	ShreeShaya	Kharif-Rabi	2	2	7		7		Rainfed			
11	Pea	Pulses production	Arkel	Rabi 2017	2	1.5	3		3		Rainfed			
12	Paddy	IPM	IPM module against leaf folder Rice : i. -Summer ploughing ii. - Seed treatment with carbendazim 50% WDP @ 1.5g/kg of seed iii. -Application of fipronil 0.3G @ 5kg/10 cent in the nursery	*Rabi*, 2017	2	2	6	-	6	-	Rainfed -Clay Sandy Loam	-	-	-

			bed before 5 days of uprooting of seedling iv. -Setting up pheromone traps @ 5nos/ha v. -Release of *Trichogramma japonicum* @1.0 lakh/ha at 30 DAT, 40 DAT& 50 DAT vi. -Spraying of neemzol@1 ml/lt at ETL											
13	Okra	Product evaluation (Efficacy)	Efficacy of imidacloprid 17.8 SL@ 20g a.i. against aphids in Okra	*Rabi*, 2017	3	3	6	-	6	-	Rainfed -Clay Sandy Loam	-	-	-

c. Performance of FLD on Crops during 2017-18

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	Onion	Vegetable production	1.3	159.6	140.8	11.78	160.8	138	-	-	84500	191520	107020	2.3	79850	140800	60950	1.8
2	Cucumber	Vegetable production	1.0	78	64	17.9	80	62	-	-	53600	156000	69500	2.9	52950	105500	52550	1.9
3	Chilli	Vegetable production	1.5	85	69	18.8	87.2	65.4	-	-	74500	170000	95500	2.3	70450	138000	67550	1.9
4	Paddy	Increase in production and productivity	3	36	28	28.6	37.5	34.3	-	-	18500	28230	9730	1.53:1	16800	20830	4030	1.24:1
5	Soyabean	Increase in production and productivity	2.5	8.7	7.3	19.2	8.9	8.5	-	-	12000	33300	21300	2.81	11000	27700	17600	2.52:1
6	Maize	Crop production and management	2.5	34.5	26.65	30	36.21	32.79	No. of cobs/plant= 2.5 No. of grains /cob= 447.4 Yield (qt/ha) =32.7	No. of cobs/plant= 2.3 No. of grains /cob= 403.5 Yield (qt/ha) =26.2	20000	41400	21400	2.07:1	18000	31980	13980	1.78:1
7	Toria	Seed producti	1.5	7.1	6	18.3	7.24	5.33	Pl.height-	Pl.height-	10000	28400	18400	2.84:1	9000	24000	15000	2.6:1

		on							77cm Branches/pl-7.5 Siliqua/pl-84	68cm Branches/pl-6 Siliqua/pl-70								
8	Maize	Cereals production	2	40.5	32.46	24.46	43.2	37.8	Pl. ht (cm)= 225 Cob/pl =1.45 No.Avg.Grains/cob =372.8		44538	93150	48612	2.1:1	32450	56258	23808	1.73
9	Tapioca	Tuber production	2	340	290	17.24	350	330	-	-	45500	95200	49700	2.1:1	43520	81200	37680	1.86
10	Pea	Pulses production	1.5	11.96	9.62	24.32	12.6	11.3	Pods/plt=34.2 Seeds/pod=7.8	Pods/plt=23.9 Seeds/pod=5.8	20178	47120	26942	2.3	23093	37893	14800	1.6
11	Paddy	IPM	2	182.5	156	10.6 %	197	168	Infestation Percentage/hill : 30 DAT – 2.8% 45 DAS – 4.8%	Infestation Percentage/hill : 30 DAT - 5.4% 45 DAS - 9.2%	110620	273000	162380	2.47:1	109950	234000	124050	2.13:1

12	Okra	Product evaluation (Efficacy)	3	107.5	93	13.16 %	118	97	Average no of Aphids/3leaves: First Spray – 1.06 Second Spray – 2.45 Third Spray –1.02	Average no of Aphids/3leaves: First Spray – 9.81 Second Spray – 9.72 Third Spray –11.13	112290	215000	102710	1.91:1	109980	186000	76020	1.69:1

***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	4	21/07/17, 25/10/17, 24/11/17 15/12/17	-	51	51	Crop performance and its benefit were discuss and imparted knowledge on post harvest management.
2	Farmers Training	4	3/04/17, 19/05/17, 9/06/17,	-	68	68	Farmers were imparted knowledge on package and practices of Maize, Paddy ,

			27/10/17				soybean and Toria
3	Media coverage	1	-	-	-	-	-
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total	**5**			**119**	**119**	

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, Poultr**	**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**
							Dem	**Chec**		**Demo**	**Check**	**GC ****	**GR ****	**NR ****	**BCR**	**GC**	**GR**	**NR**	**BCR**	

	y etc.)						o	k							**				

** 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	

**** 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	2.0	4	121	110.4	8.8	123.3	107	86850	231200	144350	2.7	82600	104950	22350	1.9

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 Campusincluding Sponsored On CampusTraining Programmes (*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog			Participants									
	On-Camp	SponOn*	Total	General			SC/ST			Total			Grand
				Male	Female	Total	Male	Female	Total	Male	Female	Total	

	us (1)	(2)	(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)	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																					
Post harvest management	1		1							9		12		22		9		12		22		22
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																						
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 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																						
Manageme																						

nt 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																						
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 Manageme																						

nt																						
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	1									10		13		23		10		13		23		23
Formation and Management of SHGs																					
Mobilization of social capital	1		1							16		10		26		16		10		26		26
Entrepreneurial development of farmers/youths																					
WTO and IPR issues																					

XI Agro-forestry																					
Production technologies																					
Nursery management																					
Integrated Farming Systems																					
TOTAL	**3**		**3**							35		25		60		35		25		60		60

3.3.2. Achievements on Training of <u>Farmers and Farm Women</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/ prg.			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*	
I. Crop Production																						
Weed Management	1		1							10		11		21		10		11		21		21
Resource Conservation	1		1							8		11		18		8		11		18		18

Technologies																					
Cropping Systems	2		2							22		27		49		22		27		49		49
Crop Diversification																					
Integrated Farming	1		1							8		14		22		8		14		22		22
Water management																					
Seed production	2		2							17		29		46		17		29		46		46
Nursery management																					
Integrated Crop Management	1		1							8		14		22		8		14		22		22
Fodder production																					
Production of organic inputs																					
II. Horticulture																					

a) Vegetable Crops																					
Production of low volume and high value crops																					
Off-season vegetables																					
Nursery raising	1		1							11		13		24		11		13		24		24
Exotic vegetables like Broccoli																					
Vegetable production	3		3							27		39		66		27		39		66		66
Export potential vegetables																					
Grading and standardization																					
Protective cultivation (Green Houses, Shade Net etc.)																					
b) Fruits																					

Training and Pruning																					
Layout and Management of Orchards	2		2							21		25		46		21		25		46		46
Cultivation of Fruit																					
Management of young plants/orchards																					
Rejuvenation of old orchards																					
Post harvest management	1		1							10		12		22		10		12		22		22
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																					

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	1		1							6		9		15		6		9		15		15
Soil and Water Conservation	1		1							11		12		23		11		12		23		23
Integrated Nutrient Management	2		2							20		18		38		20		18		38		38
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		5		25		20		5		25		25
Poultry Management																						
Piggery Management	1		1							10		15		25		10		15		25		25
Rabbit Management																						
Disease Management																						
Feed management	2		2							26		31		57		26		31		57		57
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	1		1							10		7		17		10		7		17		17
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	4		4							76		33		109		76		33		109	109
Integrated Disease Management																					
Bio-control of pests and diseases	2		2							30		20		50		30		20		50	50

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										15		10		25		15		10		25		25
Group dynamics																						
Formation and Management of SHGs	2		2							20		25		45		20		25		45		45
Mobilization of social capital																						
Entrepreneurial development of farmers/youths	1		1							13		11		24		13		11		24		24
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming																						

Systems																						
TOTAL	**34**		**34**							399		391		790		399		391		790		790
(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																						
Integrated farming																						
Seed production																						
Production of organic																						

inputs																					
Integrated Farming																					
Planting material production																					
Vermi-culture																					
Sericulture																					
Vegetable production	1		1							7		10		17		7		10		17		17
Protected cultivation of vegetable crops																					
Commercial fruit production																					
Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticultur																					

e crops																					
Training and pruning of orchards																					
Value addition																					
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	1		1							16		12		28		16		12		28		28

TOTAL	**2**		**2**							23		22		55		23		22		55		55

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																						
Bee-keeping	1		1							14		7		21		14		7		21		21
Integrated farming																						
Seed production	1		1							9		10		19		9		10		19		19
Production of organic inputs																						
Integrated Farming																						
Planting material																						

production																					
Vermi-culture	1		1							12		14		26		12		14		26		26
Sericulture																					
Protected cultivation of vegetable crops	1		1							10		8		18		10		8		18		18
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																					
Rabbit farming																					
Poultry production																					
Ornamental fisheries																					
Para vets																					
Para extension workers	1		1							10		12		22		10		12		22		22
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	**5**		**5**								55		51		106		55		51		106	106

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	1		1							10		8		18		10		8		18		18
Protected cultivation technology																						
Formation																						

and Management of SHGs																					
Group Dynamics and farmers organization	1		1							8		6		14		8		6		14		14
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	**2**		**2**							18		14		32		18		14		32		32

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
	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*	
Productivity enhancement in field crops																						
Integrated Pest Management	2		2							27		22		49		27		22		49		49
Integrated Nutrient management	1		1							6		7		13		6		7		13		13
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						

Group Dynamics and farmers organizatio n	1		1							8		6		14		8		6		14		14
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenanc e of farm machinery and implements																						
WTO and IPR issues																						
Manageme nt in farm animals	1		1							17		15		32		17		15		32		32
Livestock feed and fodder production																						
Household food	1	1	2							11	4	10	6	21	10	11	4	10	6	21	10	31

security																					
Women and Child care																					
Low cost and nutrient efficient diet designing																					
Production and use of organic inputs																					
Gender mainstreaming through SHGs																					
TOTAL	**6**	**1**	**7**							60	4	60	6	120	10	60	4	60	6	120	10	130

Note: Please furnish the details of above training programmes as Annexure 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

Extension	Social capital formation	Mobilization of social capital in villages	06.06.17	1 day	KVK conference hall	Farmer & Farm women				16	10	26	16	10	26
Horticulture	Post harvest technology	Post harvesthandling of Tomato	27.07.17	1 day	KVK conference hall	Farmer & Farm women				9	12	22	9	12	22
Horticulture	Vegetable production	Homestead gardening	06.09.17	1 day	KVK conference hall	Rural Youth				7	10	17	7	10	17
Extension	Coordination/ Convergence/ Linkages promoted/ created	Group Dynamics and information networking among farmers	25.11.17	1 day	KVK conference hall	Farmer & Farm women				10	13	23	10	13	23
Horticulture	Orchard management	Rejuvenation of old orange orchards	07.12.17	1 day	KVK conference hall	Extension Functionary				10	8	18	10	8	18
Extension	Capac	Programme	18.1.18	1 day	KVK	Extension Functionary				8	6	14	8	6	14

	ity buildi ng	planning			confere nce hall											
Extension	Entre prene urship	Entreprene urial develope nt of youth	8.2.18	1 day	KVK confere nce hall	Rural Youth				16	12	28	16	12	28	

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

Discipline	Area of traini ng	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	Maize produ ction	Cultivation of Maize	3.04.17	1 day	Longja ng	Farmer & Farm women				8	11	19	8	11	19
Horticultur e	Veget able produ ction	Improved cultivation practices of Chilli.	05.04.17	1 day	Longja ng	Farmer & Farm women				8	14	22	8	14	22
Plant Breeding	Cereal s produ ction	Improved cultivation practices of Maize	11.4.17	1 day	Chungti a	Farmer & Farm women				11	13	24	11	13	24
Plant Protection		Residual effect of	13.4.17	1 day	Mokok chung	Extension personnel				19	13	32	19	13	32

		DDT to human & animals			Town										
Plant Protection	Mush room Cultiv ation	Hands on Training& Demonstrat ion on Cultivation and Manageme nt of Oyster Mushroom	27.4.17	1 day	Sungrat su	Farmer & Farm women				8	14	22	8	14	22
Extension	Forma tion of Group s	Training on Formation and manageme nt of SHG	27.04.17	1 day	Sungrat su	Farmer & Farm women				10	10	20	10	10	
Horticultur e	Prote cted cultiv ation	Protected cultivation of vegetable crops	01.05.17	1 day	Kobulo ng	Rural Youth				10	8	18	10	8	18
Plant Breeding	Tuber produ ction	Cultivation practices of tapioca	4.5.17	1 day	Longja ng	Farmer & Farm women				10	11	21	10	11	21
Extension	Capac ity Buildi ng	Capacity Building programme on the Training Need assessment	16.5.17	1 day	DAOs' Office	Extension personnel				8	6	14	8	6	14

A.H&Vety	Feed and Nutrition	Feed and Nutrition of Swine-Challenges and Opportunities	16.5.17	1 day	Kubza	Farmer & Farm women				10	15	25	10	15	25
Plant Protection	Insect-pests management	Management of Insect pests in Pigeon pea	17.5.17	1 day	Yisemyong	Farmer & Farm women				19	8	27	19	8	27
Horticulture	Orchard management	Management of young orange orchards	17.05.17	1 day	Changtongya	Farmer & Farm women				10	13	23	10	13	23
Agronomy	Pulses production	Cultivation of Pulses	19.5.17	1 day	Longkhum	Farmer & Farm women				11	14	25	11	14	25
Agronomy	Paddy production	Line sowing of paddy	15.6.17	1 day	Longsa	Farmer & Farm women				7	15	22	7	15	22
A.H&Vety		Abiotic Stressors in Swine production	21.6.17	1 day	Ungma	Farmer & Farm women				9	16	25	9	16	25
Plant Protection	IPM	Training |& demonstration on Integrated manageme	23.6.17	1 day	Longsa	Farmer & Farm women				17	6	23	17	6	23

		nt of rice leaf folder													
Plant Breeding	INM	Nutrient management in low land paddy	29.6.17	1 day	Mangmetong	Rural Youth				9	10	19	9	10	19
Plant Breeding	Seed conservation	Traditional seed storage	6.7.17	1 day	DAO Office Mokokchung	Extension personnel				11	10	21	11	10	21
Extension	Capacity building	What is leadership and qualities of a good leader	6.7.17	1 day	Mongsenyimti	Farmer & Farm women				15	10	25	15	10	25
A.H&Vety	Feed and Nutrition	Feed and Nutrition of Swine-Challenges and Opportunities	10.7.17	1 day	Changki	Farmer & Farm women				17	15	32	17	15	32
Agronomy	Soybean production	Cultivation of soybea	12.7.17	1 day	Jami	Farmer & Farm women				6	9	15	6	9	15
Plant Breeding	Kitchen gardening	Kitchen gardening for nutritious meal	13.7.17	1 day	DEO Office Mokokchung	Extension personnel				4	6	10	4	6	10

Agronomy	Pulses production	Cultivation of French bean	18.817	1 day	Yisemyong	Farmer & Farm women				9	10	19	9	10	19
Plant Protection	IPM	Training on IPM module against Insect Pests and Rodent in Rice	19.7.17	1 day	Longmisa	Farmer & Farm women				21	11	32	21	11	32
Plant Protection	IPM	Training on Management of Insect Pest in Okra	16.8.17	1 day	Mongsenyimti	Farmer & Farm women				19	8	27	19	8	27
A.H&Vety	Livestock Health Care System	Orientation of Extension Functionaries on Advances on Antibiotics and Vaccines in Livestock Health Care System	22.8.17	1 day	DAO's Office Mokokchung	Extension personnel				17	15	32	17	15	32
Plant Protection	IPM	Training on Biological & Cultural Management of Pest in	9.9.17	1 day	Longkhum	Extension personnel									

		Cole Crops													
Plant Breeding	Pulse production	Improved cultivation practices of pea	12/9/17	1 day	Longsa	Farmer & Farm women				11	12	23	11	12	23
Extension	Agri-Bussiness	Agri-Bussiness Opportunities for uplifting the socio-economic status of farming community	12.9.17	1 day	Chungtia	Farmer & Farm women				13	11	24	13	11	24
A.H&Vety	Feed Production	Feed Production for Dairy Cows	15.9.17	1 day	Mokokchung	Farmer & Farm women				20	5	25	20	5	25
Agronomy	Pulses production	Improved cultivation of pea	25.9.17	1 day	Tuli	Farmer & Farm women				11	8	19	11	8	19
Agronomy	Oilseed production	Management of toria crop.	27.9.17	1 day	Kubza	Farmer & Farm women				10	14	24	10	14	24
Horticulture	Nursery raising	Scientific nursery raising and management	23.09.17	1 day		Farmer & Farm women				11	13	24	11	13	24

Agronomy	Pulses production	Cultivation of winter pulses	4.10.17	1 day	Mopungchuket	Farmer & Farm women				8	14	22	8	14	22
Horticulture	Vegetable production	Improved production technologies of winter vegetable crops	06.10.17	1 day	Ungma	Farmer & Farm women				9	12	21	9	12	21
Extension	SHG	Common problems of SHG members and their solutions	17.10.17	1 day	Aliba	Farmer & Farm women				10	15	25	10	15	25
Plant Protection	Skill Development	Skill Development Training on Scientific Production and Management of Oyster Mushroom	23-27.10.17	5 days	Mokokchung	Farmer & Farm women				19	9	28	19	9	28
Horticulture	Post harvest technology	Pre harvest management of fruits	02.11.17	1 day	Longjang	Farmer & Farm women				10	12	22	10	12	22
Agronomy	Paddy production	Post harvest paddy storage	11.11.17	1 day	Chami	Farmer & Farm women				10	7	17	10	7	17

Plant Protection	Post harvest management	Post harvest management of Maize	18.11.17	1 day	Khensa	Farmer & Farm women				16	8	24	16	8	24
Extension	Group dynamics	Managing group dynamics	12.12.17	1 day	Ungma	Rural Youth				10	12	22	10	12	22
Agronomy	Conservation of paddy	Post harvest management on paddy	4.12.17	1 day	Mokokchung	Extension personnel				6	7	13	6	7	13
Agronomy	Soil health management	Vermin composting	22.01.18	1 day	Mopungchuket	Rural Youth				12	14	26	12	14	26
Horticulture	Orchard management	Planning and layout of orchards	05.02.18	1 day	Akhoya	Farmer & Farm women				11	12	23	11	12	23
Plant Protection	Bee keeping	Seasonal Management for Bee Keeping	05.02.18	1 day	Yisemyong	Rural Youth				14	7	21	14	7	21
Plant Protection	Insect-Pests Management	Management of fruit borer in Tomato	24.3.17	1 day	Longkhum	Farmer & Farm women				14	12	26	14	12	26

(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	
Paddy Pulses	4-8/12/17	5 days		Skill development training on quality seed producti				6	8	14	6	8	14	-	-	8	-	-

				on on paddy and pulses.														

*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	Farmers and Rural Youth	28-29.3.18	2 days	Plant Breeding	Aw	Awareness cum training and sensitization on PPV&FRA				51	61	114	51	61	112	PPV&FRA	80,000
Total																	

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 2017-18

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**			66	-	-	-	279	269	548	2	4	6	281	273	554
2.	Diagnostic visit			75	-	-	-	202	178	380	5	6	11	209	184	393
3.	Field day			5	-	-	-	64	78	142	-	-	-	64	78	142
4.	Group Discussion			28	-	-	-	230	193	423	3	6	9	233	199	432
5.	KishanGosthi			-	-	-	-	-	-	-	-	-	-	-	-	-
6.	KishanMela			-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Film show			2	-	-	-	50	60	110	-	-	-	50	60	110
8.	SHG formation			-	-	-	-	-	-	-	-	-	-	-	-	-
9.	Exhibition			1	-	-	-	-	-	-	-	-	-	-	-	-
10	Scientists visit to farmers fields			51	-	-	-	144	144	288	-	-	-	144	144	288
11	Plant/ Animal Health camp			1	-	-	-	23	21	44	1	1	2	24	22	46
12	Farm science club			-	-	-	-	-	-	-	-	-	-	-	-	-
13	Ex-trainee Sammelan			-	-	-	-	-	-	-	-	-	-	-	-	-
14	Farmers seminar/ workshop			-	-	-	-	-	-	-	-	-	-	-	-	-
15	Method demonstration			7	-	-	-	81	66	147	2	2	4	83	68	151
16	Celebration of important days			3	-	-	-	56	71	127	-	-	-	56	71	127

17	Exposure visits			-	-	-	-	-	-	-	-	-	-	-	-	-
18	Electronic media (CD/DVD)			-	-	-	-	-	-	-	-	-	-	-	-	-
19	Extension literature			3	-	-	-	-	-	-	-	-	-	-	-	-
20	Newspaper coverage			3	-	-	-	-	-	-	-	-	-	-	-	-
21	Popular articles			-	-	-	-	-	-	-	-	-	-	-	-	-
22	Radio talk			6	-	-	-	-	-	-	-	-	-	-	-	-
23	TV talk			-	-	-	-	-	-	-	-	-	-	-	-	
24	Training manual			-	-	-	-	-	-	-	-	-	-	-	-	
25	Soil health camp			1				23	26	49	-	-	-	23	26	49
26	Awareness camp			-	-	-	-	-	-	-	-	-	-	-	-	-
27	Lecture delivered as resource person			15	-	-	-	178	180	358	-	-	-	178	180	358
28	PRA			3	-	-	-	9	12	21	-	-	-	9	12	21
29	Farmer-Scientist interaction			**5**	-	-	-	45	21	66	-	-	-	45	21	66
30	Soil test campaign			1				23	25	48	-	-	-	23	25	48
31	MahilaMandal Convener meet			-	-	-	-	-	-	-	-	-	-	-	-	-
32	Any other (Please specify) Farmers visit to KVK			3	-	-	-	44	49	93	-	5	5	44	54	98
Grand Total				**279**				**1451**	**1393**	**2844**	**13**	**24**	**37**	**1464**	**1417**	**2881**

3.5 Production and supply of Technological products during 2017-18

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	CAU R-1	2.5	5234	-	20	20
	Paddy	SARS -1	2.3	1847	-	15	15
OILSEEDS	Toria	TS 38	1.0	2356	-	25	25
PULSES	Kidneybean/Pea	Tuensang local/Azad	2	9860	-	30	30
VEGETABLES							
FLOWER CROPS							

OTHERS (Specify)	Taro	Muktakeshi	1.2	2400	-	28	28

A1. SUMMARY of Production and supply of Seed Materials during 2017-18

Sl. No.	Major group/class	Quantity (q) produced	Quantity (q) supplied	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
					General	SC/ST	Total
1	CEREALS	4.8	4.8	7081		**35**	**35**
2	OILSEEDS	1.0	0.75	5356		25	25
3	PULSES	1.0	0.95	9860		30	30
4	VEGETABLES						
5	FLOWER CROPS						
6	OTHERS	1.2	0.75	2400	-	20	20
TOTAL		**8**	**7.25**	**24697**		**110**	**110**

B. Production and supply of Planting Materials(Nos. in No.) during 2017-18

Major group/class	Crop	Variety	Quantity (In No.) produced	Quantity (In No.) suppliedced	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
						General	SC/ST	Total
Fruits								

Spices								
Ornamental Plants								
VEGETABLES	Tomato	Rocky, TO 1458	3500	3100	7000	-	19	19
	Cabbage	Summer queen & BC 76	3000	2640	6000	-	14	14
	Broccoli	Green Magic	3000	2750	6000	-	15	15
	Chilli	Tejaswani	2500	2250	5000	-	9	9
	Naga king chilli	Local	1500	1300	3000	-	9	9
Forest Spp.								
Plantation crops								
Medicinal plants								

OTHERS (Pl. Specify)								
			11500	**12040**	**27000**	**-**	**66**	**66**

C. Production of Bio-Products during 2017-18

Major group/class	**Product Name**	**Species**	**produced Quantity**		**Value (Rs.)**	**Number of Recipient /beneficiaries**		
			No	**(qt)**		**General**	**SC/ST**	**Total**
BIOAGENTS								
BIOFERTILIZERS								
1								
2								
3								
4								
BIO PESTICIDES								
1								
2								

3								
4								

D. Production of livestock during 2017-18

Sl. No.	Type/ category of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	**Cattle/ Dairy**							
2	**Goat**	**Beetle Cross Assam Local**	**5kids**		**10000**	**-**	**-**	**-**
3	**Piggery**							
4	**Poultry**							
5	**Fisheries**							
6	**Others (Specify)**							

	Total		**5**		**10000**			

3.6. Literature Developed/Published (with full title, author & reference) during 2017-18

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):April,2017 to March,2018,Annualy,250 copies

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies	
			Produced/ published	Supplied/ distributed
Research papers				
1.	Constraints faced by the off season cucumber growers in Mokokchung district of Nagaland. *International Journal of Current Research. 9(8):56243-45.*	Dr.Pijush Kanti Biswas		
2.	Constraints faced by the Naga King chilli growers in Mokokchung district of Nagaland. *Agriculture Update.* **12**(4)	Dr.Pijush Kanti Biswas		
3.	Technological Needs of PIG growers under Mokokchung District of Nagaland. *The Asian Journal of Animal Science* **12**(1):29-32.	Dr.Pijush Kanti Biswas		

4.	Production constraints of Maize Cultivation under Mokokchung district of Nagaland. *Agriculture Update* **12**(1):344-350	Dr.Pijush Kanti Biswas Mr.Samuel Sangtam		
Training manuals				
Technical Report				
1.				
2.				
3.				
Book/ Book Chapter				
Popular articles				
Technical bulletins				
Extension bulletins				
Newsletter	KVK, Mokokchung Newsletter	KVK Mokokchung		250copies
Conference/ workshop proceedings				
Leaflets/folders	Cultivation of Cowpea in AO Dialect Cultivation of Cassava in AO Dialect Sankalp Se Sidhi Releasing of *Trichogramma*	Bendangjungla .I Bendangjungla .I KVK Mokokchung Dr.Ruopfuselhou		500 500 1500 500

e-publications				
Any other (Pl. specify)				
TOTAL				

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 : Group discussion
- Rural Youth : Interaction
- Extension personnel

3.11 Field activities

i. Number of villages adopted :12

ii. No. of farm families selected :60

iii. No. of survey/PRA conducted :3

3.12. Activities of Soil and Water Testing

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
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
	Soil Lab				
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
8		SDFR		1	
		Mridaparikshak	Nagarjuna Agro Chemicals Pvt. Ltd	2	161000
Total				9	**362940**

3. Details of samples analyzed (2017-18):

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	153	234	6	1530
Water Samples				
Plant Samples				
Petiole Samples				
Total	153	234	6	1530

4. Details of Soil Health Cards (SHCs) (2017-18)

a. No. of SHCs prepared :824
b. No. of farmers to whom SHCs were distributed :824
c. Name of the Major and Minor nutrients analysed :NPK
d. No. of villages covered :6

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	46	4895	20	2578	33	4521	6	1130	7	468	8	461	120	14053
Voice only														
Voice and Text both														
Total	46	4895	20	2578	33	4521	6	1130	7	468	8	461	120	14053

3.14 Contingency planning for 2017-18

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	0.5		6	6
	Introduction of Resource Conservation Technologies				
	Distribution of seeds and planting materials	2		25	25
	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 -		**15** **20**	**15** **20**

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**

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 established during 2017-18

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 2017-18

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

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 2017-18

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit (Name and No.)	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety/ species/ breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1									
2									

6.2 Performance of instructional farm (Crops) including seed production

Name	Date of	Date of	Area (ha)	Details of production	Amount (Rs.)	Remarks

of the crop	sowing	harvest		Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice									
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Any other: ricebean	24/08/17	04/01/18	$24m^2$	Chakesang Local	Grain	6 kgs	40	240	
Beans	15/09/17	16/11/17	$6m^2$	Selection nitara	pod	7.5 kgs	55	300	
cowpea	30/03/17	04/08/17	$20m^2$	triguna	pod	8.5kgs	70	255	
Fibers									
i.									

ii.									
Spices & Plantation crops									
Ginger	06/04/17	06/02/18	$10m^2$	local	rhizome	25kgs	200	1000	
i.									
Floriculture									
i.									
ii.									
Fruits									
i.									
ii.									
Vegetables									
i.Cabbage	16/10/17	-	$16m^2$	Rareball Green express	Head	55 kgs		1100	
ii.Tomato	16/02/17	17/04/117	$10m^2$	To 1458	Fruit	21.5kg		645	
iii.Broccoli	10/10/17	26/12/17	$11m^2$	Green magic	Head	20.5kg		820	
iv. Pea	12/09/117	16/11/17	$50m^2$	Ksp-110	pod	31.0kg	250	1240	
v. Spinach	26/05/117	17/06/17	$5m^2$	All greens	leaf	14 bunches		140	
vi. Bottle gourd	21/03/17	26/06/17	$6m^2$	GADDA140	fruit	17nos		340	
vii.Bitter gourd	7/4/17	17/07/17	$4m^2$	palee	fruit	18kgs		720	
vii.Chilli	08/05/17	17/06/17	$10m^2$	suryamukhi	fruit	10kgs		400	
viii.cucumber	20/03/17	08/06/17	$10m^2$	local	fruit	8bundle		800	
ix.carrot	18/04/17	27/06/17	$7m^2$	Early nantes	root	8bunch		80	

a. Others (specify)									
i.									
ii.									

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**	

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	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Unit/ structure

Date	**Title of the training course**		**No. of Courses**	**No. of Participants including SC/ST**

		Client (PF/RY/EF)		Male	Female	Total

6.6. Utilization of hostel facilities (Month-Wise) during 2017-18

Accommodation available (No. of beds):

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
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 CFLD on Oilseeds and Pulses*(Rs. In Lakhs) if applicable during 2017-18*

Item	Released by ICAR/ATARI (in lakh)		Expenditure (in lakh)		Unspent balance as on 31st March, 2018
	Amount	Amount	Amount	Amount	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2017 -18

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**			
2	**Traveling allowances**			
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			
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)				
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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 with KVK (in lakh)
April 2015 to March 2016	0.34850	0.6710	0.10100	0.31460
April 2016 to March 2017	0.31460	0.18000	0.10300	0.39160
April 2017 to March 2018	0.39160	0.10200	0.10000	0.39360

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 and Suggestion (Provide point-wise if any, for recommendation)

(a) Administrative

(b) Financial

(c) Technical

(Signature)
Sr. Scientist cum Head