ANNUAL PROGRESS REPORT – October,2009-March,2010

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-Wokha, P.O.Box-137, Wokha,Nagaland	03860-242897	03860-242897	kvk_wokha@yahoo.co.in./kvkwokha@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
ICAR, Barapani, Meghalaya	(0364)2570257	0364-2570363	

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

Name	Telephone / Contact		
	Residence	Mobile	Email
N.Khumdemo Ezung	03860-280002	9402432201	khumdemo_ezung@yahoo.com

1.4. Year of sanction:2006

1.5. Staff Position (as on 30th September 2007)

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	Vacant	-	-	-	-	-	-	-
2	Subject Matter Specialist	N.Khumdemo Ezung	SMS	Agronomy	15600 + 5400(GP)	175500+5400(GP)	07/05/07	Permanent	ST
3	Subject Matter Specialist	Dr.H.Moaakum Sangtam	SMS	Animal Science	15600 + 5400(GP)	175500+5400(GP)	26.03.07	Permanent	ST
4	Subject Matter Specialist	Janak.Kr. Singh	SMS	Plant Breeding	15600 + 5400(GP)	175500+5400(GP)	29/03/07	Permanent	OBC
5	Subject Matter Specialist	Megokhono Meyase	SMS	Horticulture	15600 + 5400(GP)	175500+5400(GP)	28/03/07	Permanent	ST
6	Subject Matter Specialist	Sanjay Kr.Ray	SMS	Soil Science	15600 + 5400(GP)	15600+5400(GP)	12/05/10	Temporary	SC
7	Subject Matter Specialist	Mhalo tungoe	SMS	Extension	15600 + 5400(GP)	15600+5400(GP)	26/06/10	Temporary	ST
8	Programme Assistant	Jessica Dohtdong	PA	Home Sc.	5200+2800(GP)	9640+2800(GP)	12/04/07	Permanent	ST
9	Programme Assistant	E.Lireni Kikon	PA	Plant Protection	5200+2800(GP)	9640+2800(GP)	29/03/07	Permanent	ST
10	Farm Manager	Abemo Ezung	Farm manager	M.Sc.	5200+2800(GP)	9640+2800(GP)	29/03/07	Permanent	ST
11	Accountant / Superintendent	Vacant	-	-	-	-	--	-	-
12	Stenographer	NyanbeniYanthan	Stenographer	-	5200+2400(GP)	8770+2400(GP)	28/012/06	Permanent	ST
13	Driver	Mhabemo Ezung	Driver	-	5200+2000(GP)	7260+2000(GP)	05/01/07	Permanent	ST
14	Driver	Longshithung Lotha	Driver	-	5200+2000(GP)	7260+2000(GP)	05/01/07	Permanent	ST
15	Supporting staff	Kilumo Ezung	SSGr.I(Cook)	-	4400+1800(GP)	5860+1800(GP)	08/05/07	Permanent	ST
16	Supporting staff	Mrs Maluti Devi	SSGr.I	-	4400+1800(GP)	5860+1800(GP)	08/11/07	Permanent	

1.6. Total land with KVK (in ha): Yet to be earn marked

S. No.	Item	Area (ha)
1	Under Buildings	-
2.	Under Demonstration Units	-
3.	Under Crops	-
4.	Orchard/Agro-forestry	-
5.	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		540				
2.	Farmers Hostel	ICAR		305				
3.	Staff Quarters (6)	ICAR		406				
4.	Demonstration Units (2)	-						
5	Fencing	ICAR		2000 Running Meter				
6	Rain Water harvesting system	-						
7	Threshing floor	-						
8	Farm godown	-						

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	2006	5,71,448.00		Good
Tractor	2007	401000.00		Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD	2009		Good
IP Board	2009		Good
Digital Presenter	2009		Good
Digital Camera	2009		Good

1.8. A). Details SAC meeting* conducted in the year 2009

Sl.No.	Date	Name and Designation of Participants
1.	23/07/09	1. Dr. B.P.Bhatt Joint Director, Nagaland Centre 2. Mr.Joseph Humtsoe Joint Director, Dept. of Horticulture 3. Dr. Elithung Humtsoe,DHO, Wokha 4. Dr.Mhonchan shitiri, Coordinator ATMA & Manager Pig Base Breeding Farm. 5. Dr.Sahoo Scientist, SWCE 6. Mr.Vanchamo Ngullie, DPO Deptt. Of Land Resources 7. Mr.Chibosao, SDO(Soil) 8. Mr.Tsenjamo Humtsoe S/S(Seri) 9. Mr.Ketusielie Angami, DFO Deptt. Of Fisheries 10. Dr.J.K.Singh, SMS(PB) 11. Er.L.K.Singh, SMS(SWCE) 12. Ms.Jessica Dohtdong, PA(H. Sc.) 13. Ms.Lireni Kikon, PA(PP) 14. Ms.Megokhono Meyase SMS(Horti) 15. N.Khumdemo Ezung, (i/c) & SMS(Agro) 16. Dr. H.M.Sangtam, SMS(A/Sc.) 17. Mr. Abemo Ezung, Farm Manager 18. Mr.Yanphamo Tungoe, Progrssive Farmer 19. Mrs.Liyani Kikon, Progressive Farmer

Recommendation of SAC held on 23/07/2009 and action taken report

1. Regarding OFT in "comparative study on local cucumber of Mokokchung and Wokha district", it was suggested to produce sufficient quantity of Mokokchung cucumber seeds for further popularization of the variety among the farmers.

   Action taken: Seed Production for Mokokchung cucumber have been taken up in KVK demonstration farm. This year we could achieve a production of around 900 gms.

2. Regarding Mushroom cultivation, OFT on Shetaki mushroom need to be conducted. The spawn of shetaki shall be provided by Horticulture Department, Govt. of Nagaland.

   Action Taken: OFT on Shetaki mushroom is in progress

3. Comparative study between improved Echo and Echo without improvement need to be conducted in order to conserve soil and water in jhum fields.

   Action Taken : Action could not be initiated since SMS(SWCE) is being transferred.

4. Coordinator, ATMA district Wokha suggested to popularize Zero Energy Cool chamber on a large scale. The ZECC data has to be supported with humidity pattern in the areas.

   Action Taken: Project Sponsored by NABARD is in progress

5. OFT on TPS needs to be taken up in order to popularize potato cultivation.

   Action Taken : OFT on TPS is in progress

6. Regarding FLD in Animal Science, egg laying efficiency of Vanaraja and Giriraja be recorded.

   Action Taken: OFT on Vanaraja is in progress

7. Regarding FLD on kharif oilseed, ICGS-76 variety of groundnut be taken up in place of JL-24

   Action Taken: FLD programme on ICGS-76 is in progress

8. Disease management in passion fruit and mandarin be recorded.

   Action Taken: Disease samples(root and Swelled stem) were collected and taken to SASRD for identification. Root knot nematode was observed

9. It was also suggested to visit the nursery of orange sapling at Humtso and Elumyo village and work out the control measures of disease at nursery stage.

   Action Taken: Visit to the orange nursery is being conducted regularly and effective control of pest and diseases are advised.

10. Natural preservatives be preferred in case of food processing.

    Action Taken: Dehydration method is encouraged, using of lemon juice instead of citric acid, using of oil, salt and spices only for pickle making

11. It was suggested to conduct programme to combat the problem of drought in the district and accordingly contingency plan be prepared.

    Action Taken: Awareness programme on climate change have been conducted in collaboration with ATMA. Preparation of District contingency plan is in progress.

12. It was suggested to popularize rice bean cultivation under FLD programme.

    Action Taken: Action could not be initiated since Quality seed could not be obtained on time.

13. Keeping in view the importance of floriculture, it was proposed to popularize the production of Lilium and Anthurium.

    Action Taken: OFT on Lilium have been undertaken however OFT on Anthurium could not be conducted. It is proposed to be conducted in 2010-11

14. It was suggested to avoid duplication of work and to give due acknowledgement and references if the information is being collected from other sources

    Action Taken: Action in this regard is being initiated.

Proceedings of the Scientific Advisory Committee Meeting held on 05th August, 2010 at KVK, Wokha

The Scientific Advisory Committee meeting of KVK, Wokha was held on 5th of August, 2010. The meeting was chaired by Dr.B.P.Bhatt, Joint Director, ICAR, Nagaland Centre. Altogether, 23 members attended the meeting. The members who participated in the meeting are,

Sl. No.	NAME	DESIGNATION
1	Dr. B.P. Bhatt	Joint Director, ICAR, Jharnapani.
2	Mr. Ketusielie Angami	DFO (Fishery), Wokha.
3	Mr. Lanuteka Imchen	BM, SBI, Wokha.
4	Dr. B. Sahoo	Scientist (SWCE), ICAR, Jharnapani.
5	Dr. M. K. Patra	Scientist (Animal Reproduction), ICAR, Jharnapani.
6	Mr. Lichumo Murry	A/I, LRD, Wokha.
7	Mr.Zubemo Ezung	Soil & Water Conservation, Wokha
8	Mr. N. Tsenyimo Humtsoe	Sericulture, Wokha.
9	Mr. Peter Yanthan	Agriculture, Wokha
10	Ms. Tachow Tsopoe	Horticulture, Wokha

11	Ms. Lobani Ezung	Progressive Farmer, Longsa Village.
12	Mr. K. Y. John Ezung	Progressive Farmer, Longsa Village.
13	Ms. Liyani Kikon	Progressive Farmer, Wokha Town.
14	Mr. Yanphamo Tungoe	Progressive Farmer, Wokha Village.
15	Mr. Khumdemo Ezung	Programme Co-ordinator (i/c) , KVK Wokha
26	Dr. J. K. Singh	SMS (Plant Breeding) , KVK Wokha
17	Mr. Sanjay Kr. Ray	SMS (Soil Science) , KVK Wokha
18	Dr. H. M. Sangtam	SMS (A/Sc), KVK Wokha
19	Ms. Megokhono Meyase	SMS (Horticulture) , KVK Wokha
20	Ms. B. Mhalo Tungoe	SMS (Ext) , KVK Wokha
21	Ms. Jessica Dohtdong	Prog. Asst. (H/Sc) , KVK Wokha
22	Ms. E. Lireni Kikon	Prog. Asst. (Pl. Protection) , KVK Wokha
23	Mr. Abemo Ezung	Farm Manager, KVK Wokha

After the formal welcome address, action taken report and Progress report for the year 2009-10 and also the action plan for the year 2010-11was presented. After thorough discussion, following recommendations were made.

15. Comparative study between traditional Echo and Improved Echo for conservation of soil erosion in Jhum fields should be continued
16. Seed production programme of Naga King Chilli, Pea(Arkel) and Mokokchung Cucumber should be initiated in the demonstration farm of KVK.
17. It was suggested to take up trial on cultivation of tomato in rice fallow and to study its keeping quality.
18. All the extension programmes shall be implemented with the help of multi disciplinary input of Subject Matter Specialists.
19. Regarding trial on nutritional gardening, it was suggested to take up comparative study between traditional and nutritional garden.
20. It was suggested to take up the trials and demonstration programmes on pigs.
21. Regarding vermi-composting, different crop residue need to be evaluated for their conversion rate.
22. It was suggested to collect and evaluate for various cultivars of colocasia from Mon District.

2. DETAILS OF DISTRICT (2008-09)

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

S. No	Farming system/enterprise
	Agriculture+Horticulture
	Agriculture+Aquaculture
	Agriculture + Horticulture +Aquaculture
	Agriculture + Horticulture +Silvi pastoral
	Agriculture +Silvipastoral

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

S. No	Agro-climatic Zone	Characteristics
	Sub-tropical Hill zone	Red loamy & brown forest soil or sub montane soil Hilly in terrain
	Sub-tropical plain zone	Residual soil/Lateritic soil with hilly mid altitude
	Mild tropical hill zone	Alluvial soil, foot hill and plain areas bordering Assam

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Red loamy & brown forest soil or sub montane soil	Soil brown in colour, acidic in nature with low nutrient status	70,000 (Approx.)
2	Residual soil/Lateritic soil	Acidic in nature and highly effected by soil erosion	60,000(Approx.)
3	Alluvial soil	Highly fertile soil suitable for cultivation of all crops	32,800(Approx.)

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

Area and production of Major cereals and millets of the District (2009 -10)

Sl. No	Particulars	Area ('000 ha)	Production ('000 MT)	Yield (Kg/ha)
1	Jhum Paddy	13.348	18.687	1400
2	WTRC	4.987	10.472	2100
3	Maize	.621	1.055	1700
4	Jobstear	.025	.020	800
5	Wheat	.044	.075	1700
6	Small Millets	.017	.010	600
	Total	**19.042**	**30.319**	

Source: District Agriculture Officer, Wokha (2009-10)

Area and Production of oilseeds of the district (2009 -10)

Sl. No	Particulars	Area ('000 ha)	Production ('000 MT)	Yield (kg/ Ha)
1	Rapeseed & Mustard	.370	.296	800
2	Soyabeans	.239	.239	1000
3	Sesame	.243	.097	400
4	Groundnut	.050	.045	900
5	Linseed	.064	.045	700
	Total	**.966**	**.722**	

Source: District Agriculture Officer, Wokha (2009-10)

Area and Production of pulses in the District (2009-10)

Sl. No	Particulars	Area ('000 ha)	Production ('000 MT)	Yield (Kg/ha)
1	Beans	.200	.280	1400
2	Naga Dal	.156	.140	900
3	Pea	.055	.060	1100
	Total	**.411**	**.480**	

Source: District Agriculture Officer, Wokha (2009-10)

Area and Production of Commercial Crops of the District (2009 -10)

Sl. No	Particulars	Area ('000 ha)	Production ('000 MT)	Yield (Kg/ha)
1	Ginger	.361	2.888	8000
2	Sugarcane	.146	8.760	60000
3	Potato	.104	.764	6500
4	Tea	.120	.535	4500
5	Cardamom	.025	.0075	300
	Total	**.756**	**12.954**	

Source: District Agriculture Officer, Wokha (2009-10)

Area and Production of Horticulture Crops in Wokha District (2009 -10)

Sl. No	Name of the crops	Area (Ha)	Production (MT)
1	Passion Fruit	295	320
2	Orange	850	680
3	Pineapple	150	2000
4	Banana	250	1500
5	Vegetables	50	Not assessed
6	Flowers (Lilium)	16 units	Not assessed

Source: District Horticulture officer, Wokha (2009 -10)

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{o} C		Relative Humidity (%)
		Maximum	Minimum	
October	95.00	27.80	19.00	69.20
November	11.40	24.70	13.40	57.00
December	02.40	21.90	09.90	53.00
January 2009	06.60	23.00	09.70	38.90
February	04.20	22.40	10.50	49.60
March	68.80	25.10	14.70	53.50

Source : District Soil and Water Conservation Officer, Wokha

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

Category	Population	Production	Productivity
Cattle			
Crossbred	14590	-	-
Indigenous	21977	-	-
Buffalo		-	-
Crossbred	205	-	-
Indigenous	700	-	-
Goats		-	-
Pigs		-	-
Crossbred	86642	-	-
Indigenous		-	-
Rabbits	6780	-	-
Poultry			
Hens	322192	-	-
Desi		-	-
Improved		-	-
Ducks	11028		-

Fish		547.50 MT *(Fisheries Department Wokha, 2006)*	
Marine	-	-	-
Inland	-	-	-

Source : Report on seventeenth quinquennial livestock census – 2003, Statistical Wing,Directorate of Vety and A.H. Govt of Nagaland.

2.6 Details of Operational area / Villages (2009-10)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	-	Wokha Sadar	Longsachung	Rice, Maize, Piggery,banana and Poultry	Declining soil fertility, local crop variety and local breeds of livestocks	Improvement of Jhum and local breeds/ variety
2	-	Wokha Sadar	Longsa	Rice, Maize, Piggery, vegetables and Poultry	Declining soil fertility local crop variety and local breeds of livestocks	Improvement of Jhum and local breeds/variety
3	-	Wokha Sadar	Wokha Village	Rice, Maize, passion fruit, banana, Piggery and Poultry	Declining soil fertility ,local crop variety and local breeds of livestocks	Improvement of Jhum and local breeds /variety

2.7 Priority/thrust areas

	Thrust area
Rice	Introduction of HYV, IPM & IDM ,Jhum Improvement for sustained Production in Wokha district
Livestocks	Introduction of Improved breeds
Horti crops	Post harvest processing and value addition in important agri-horti commodities
Farm implements	Farm mechanization to reduce drudgery in hill agriculture

3. TECHNICAL ACHIEVEMENTS(October,2009-March,2010)

3.A. Details of target and achievements of mandatory activities by KVK during 2008-09

OFT (Technology Assessment and Refinement)				**FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)**			
1				**2**			
Number of OFTs		**Number of Farmers**		**Number of FLDs**		**Number of Farmers**	
Targets	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**
14	4	42	12	16	6	56	139

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	52		1515	1455	145	41	1020	461
Rural youth	9	8	285	225	-	-	260	-
Extn. Functionaries	5	5	125	220	-	-	20	-

Seed Production (Qtl.)		**Planting material (Nos.)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
NA	NA	NA	NA
NA	NA	NA	NA

3.B. Abstract of interventions undertaken

S. No	Thrust area	Crop/Enterprise	Identified Problem
1	SRI	Rice	High seed requirement and occasional drought
2	Cultivation of pulse(Arkel)	Pea (Arkel)	Low yield of local variety
3	Cultivation of mushroom	Mushroom(Oyster)	Not popularly cultivated
4	Poultry farming	Kuroiler	Low yielding local breed
5	Rabbit farming	Rabbit farming	Not popularly reared
6	Cultivation of King chillie	Naga King Chillie	Not popularly cultivated

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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.**
SRI	-	-	-	-	-
-	Polularization of Arkel	Package of practices	-	Field day, media coverage	Supply of seeds
-	Polularization of Oyster mushroom	Cultivation methodology	-	Media coverage	Supply of spawn
-	Polularization of kuroiler	Management practices	-	Media coverage	Supply of kuroiler chicks
OFT on NW,GG and SG	-	Management practices	-	Media coverage	Supply of rabbit
Trial on Naga King Chillie	-	-		Media coverage	Supply of seeds

3.1 Achievements on technologies assessed and refined

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		-			1
Seed / Plant production										
Weed Management										
Integrated Crop Management	1									1
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										

Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	1				1	-	-			2

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

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

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	NA	NA	NA	NA	NA	1	NA	1
Nutrition Management	NA	NA	NA	NA	NA	NA	NA	NA
Disease of Management	NA	NA	NA	NA	NA	NA	NA	NA
Value Addition	NA	NA	NA	NA	NA	NA	NA	NA
Production and Management	NA	NA	NA	NA	NA	NA	NA	NA
Feed and Fodder	NA	NA	NA	NA	NA	NA	NA	NA
Small Scale income generating enterprises	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL	NA	NA	NA	NA	NA	1	NA	1

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

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

B. Details of each On Farm Trial to be furnished in the following format

A. Technology Assessment

Trial 1

1)	Title	:	Trial on System of Rice Intensification(RCM-5)
2)	Problem diagnose/defined	:	Higher seed requirement
3)	Details of technologies selected for assessment /refinement	:	System of Rice Intensification
4)	Source of technology	:	
5)	Production system thematic area	:	WTRC
6)	Thematic area	:	Cultivation of Rice under TRC
7)	Performance of the Technology with performance indicators	:	SRI-46.42 q/ha and Local Check-21.42 q/ha
8	Final recommendation micro level situation	:	Can be taken up for large scale adoption
8)	Constraints identified and feedback for research	:	Nil
9)	Process of farmers participation and their reaction	:	Participated in the whole process right from nursery management to harvesting. The farmers decided to take up SRI in their own field as well for

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Rice	Rainfed	Higher seed requirement	Trial on SRI	3	SRI	Height No. of grains/panicle Test Weight Yield	Height (165.48 cm) No. of grains/panicle (225) Test Weight (32gm) Yield(46.42q/ha)	Yield(46.42q/ha)	Need to adopt for large scale cultivation

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
SRI	Yield(46.42q/ha)	Rs.44630@Rs.15per kg and cost of cultivation Rs.25,000/-	2.78:1

Trial-2

1) Title	:	Performance trial on SARS-4 & SARS-2
2) Problem diagnose/defined	:	Low yield of existing local variety
3) Details of technologies selected for assessment /refinement	:	i. Local variety(Farmers' practice) ii. SARS-2 iii) SARS-4
4) Source of technology	:	SARS, Yesemyong, Mokokchung
5) Production system thematic area	:	Rainfed rice based system
6) Thematic area	:	Varietal evaluation
7) Performance of the Technology with performance indicators	:	Crop did not perform well due to less rainfall during kharif, 2009
8) Final recommendation for micro level situation	:	Nil
9) Constraints identified and feedback for research	:	Moisture stress and need to undertake another trial
10) Process of farmers participation and their reaction	:	Nil

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Rice	Rainfed	Low yield of existing local variety	Performance trial on SARS-4 & SARS-2	3	i) Local variety(Farmers' practice) ii. SARS-2 iii) SARS-4	1. Height 2. No. of grains/panicle 3.Test weight 4. Grain yield	Crop did not perform well due to less rainfall during kharif, 2009	Crop did not perform well due to less rainfall during kharif, 2009	

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
i) Local variety(Farmers' practice) ii. SARS-2 iii) SARS-4	Nil	Nil	Nil

Trial 3

1) Title	:	Performance trial on Sahsarang
2) Problem diagnose/defined	:	Low yield of existing local variety
3) Details of technologies selected for assessment /refinement	:	i. Local variety(Farmers' practice) ii. Shasarang
4) Source of technology	:	ICAR, Barapani
5) Production system thematic area	:	Rainfed rice based system
6) Thematic area	:	Varietal evaluation
7) Performance of the Technology with performance indicators	:	Crop did not perform well due to less rainfall during kharif, 2009
8) Final recommendation for micro level situation	:	Nil
9) Constraints identified and feedback for research	:	Moisture stress and need to undertake another trial
10) Process of farmers participation and their reaction	:	Nil

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Rice	Rainfed	Low yield of existing local variety	Performance trial on Shasarang	3	i) Local variety(Farmers' practice) ii. Sharsarang	1. Height 2. No. of grains/panicle 3.Test weight 4. Grain yield	Crop did not perform well due to less rainfall during kharif,	Crop did not perform well due to less rainfall during kharif,	

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
i) Local variety(Farmers' practice) ii. Shasarang	Crop did not perform well due to less rainfall during kharif,	Crop did not perform well due to less rainfall during kharif,	Crop did not perform well due to less rainfall during kharif,

Trial 4

1) Title : Performance of three different genetic groups of Rabbit under low input production system
2) Problem diagnose/defined : Non availability of pure breed

3) Technology selected for assessment /refinement : New Zealand white, Souviet chinchilla, Giant grey

4) Source of technology : ICAR, Barapani
5) Production system thematic area : NA
6) Thematic area : Rabbit farming
7) Performance of the Technology with performance indicators : NW performed better than SC and GG
8) Final recommendation for micro level situation : NW may be adopted for backyard rabbit farming

9) Constraints identified and feedback for research : NA
10) Process of farmers participation and their reaction : Participated actively and willing to take up rabbit farming

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Rabbit Farming	NA	Non availability of pure breed	Performance of three different genetic groups of Rabbit under low input production system	3 (12 each)	New Zealand White, Souviet chinchilla, Grey Giant	1. Body weight 2. Mortality rate 3. Ave. daily feed intake	*	New Zealand white performed better	willing to take up rabbit farming

- 1. NW- Male-2.70 kg, Female-3.10 kg
  2. SC- Male-2.70 kg, Female-2.90 kg
  3. GG- Male-2.70kg, Female-2.90 kg

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
New Zealand White, Soviet chinchilla, Grey Giant	NW-34.8 kgx150=Rs.5220 SC-33.6 kgx150=Rs.5040 GG-33.6 kgx150=Rs.5040	NW-34.8 kgx150=Rs.5220-Rs.2300=**Rs.2920/-** SC-33.6 kgx150=Rs.5040-Rs.2300=**RS.2740/-** GG-33.6 kgx150=Rs.5040-Rs2300=**Rs.2740/-**	NW=2.27:1 SC=2.19:1 GG=2.19:1

Trial 5

1. Title : Trial on Brinjal cv. RCMBL-1 in Wokha District

2. Problem diagnose/defined :

3) Technology selected for assessment /refinement : RCMBL-1

4) Source of technology : ICAR, Barapani

5) Production system thematic area : Rainfed and Varietal evaluation

6) Thematic area : Varietal evaluation

7) Performance of the Technology with performance indicators : Crop did not perform well due to less rainfall during kharif,2009

8) Final recommendation for micro level situation : Ongoing

9) Constraints identified and feedback for research : Incidence of Egg plant fruit and shoot borer was observed
Trial on Egg plant fruit and shoot borer management

10) Process of farmers participation and their reaction : NA

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Brinjal	Rainfed		Trial on Brinjal cultivar	3	RCMBL-1	1. Date of sowing	21.02.09)	Crop did not perform well due to less rainfall during kharif,2009	Crop did not perform well due to less rainfall during kharif,2009
						2. Date of germination	07.04.09		
						3. Date of transplanting	04.05.09		
						4. Date of flowering	19.06.09		
						5. Date of first harvesting	07.07.09		
						6. Yield	ongoing		

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
RCMBHL-1	Crop did not perform well due to less rainfall during kharif,2009	Crop did not perform well due to less rainfall during kharif,2009	Crop did not perform well due to less rainfall during kharif,2009

Trial 6

1. Title : Production potential of Naga King chillie

2. Problem diagnose/defined :

3) Technology selected for assessment /refinement : Naga King chilly

4) Source of technology : Govt. of Nagaland

5) Production system thematic area : Rainfed

6) Thematic area : Varietal evaluation

7) Performance of the Technology with performance indicators :

8) Final recommendation for micro level situation : Naga king chillie can be adopted for cultivation in Wokha District

9) Constraints identified and feedback for research : Virus and aphids infestation discouraged the farmers. Research needed for control of these pests

10) Process of farmers participation and their reaction : Farmers' are actively participating in the whole trial process. Management for the control of virus and aphids needs to be worked out.

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Naga King chilli	Rainfed	NA	Production potential of Naga king chilli	3	Naga King chilly	1. Date of sowing	21.02.09	1st Year-33.33 q/ha 2nd Year-36.62 q/ha	Crop performed well but can improve further if plant protection measures for control of virus and aphids are standardized
						2. Date of germination	04.04.09		
						3. Date of transplanting	12.05.09		
						4.No. of seeds/fruits	61.20		
						5. No. of fruits per plant	1st Year-40.50 2nd Year-44.50		
						6. Yield	1st Year-33.33 2nd Year-36.62		

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Naga King Chilly	1st Year-33.33 q/ha 2nd Year-36.62 q/ha	Rs.586975/- @Rs.100per kg and cost of cultivation Rs.112525/-	6.21:1

Trial 7

1. Title	:	Trial on management of bacterial wilt in tomato
2. Problem diagnose/defined	:	High incidence of bacterial wilt
3) Technology selected for assessment /refinement	:	*Pseudomonas flourescence*
4) Source of technology	:	AAU, Jorhat
5) Production system thematic area	:	Disease management
6) Thematic area	:	Control of bacterial wilt
7) Performance of the Technology with performance indicators	:	
8) Final recommendation for micro level situation	:	Tomato cv.Manikhamnu can be cultivated using *Pseudomonas flourescence*
9) Constraints identified and feedback for research	:	Bio agent not readily available
10) Process of farmers participation and their reaction	:	Farmers actively participated and were satisfied with the yield performance

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Tomato	Rainfed	High incidence of bacterial wilt	Trial on management of bacterial wilt in tomato	3	*Pseudomonas flourescence*	Number of infected plants at 10 days interval	Treated-3.34 Untreated-14.67	Treated-390.82 q/ha Untreated-301.7 q/ha	Disease was effectively controlled
						Yield	Treated-390.82 q/ha Untreated-301.7 q/ha		

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Pseudomonas flourescence	390.82 q/ha	Rs. 2,58,620	2.95:1

Trial 8

1. Title	:	Evaluation of tomato Cv. MT-2 and MT-10
2. Problem diagnose/defined	:	Low yielding local varieties
3) Technology selected for assessment /refinement	:	MT-2 and MT-10
4) Source of technology	:	ICAR, Barapani
5) Production system thematic area	:	Varietals evaluation
6) Thematic area	:	Varietals evaluation
7) Performance of the Technology with performance indicators	:	MT-2= 378 q/ha MT-10= 270 q/ha
8) Final recommendation for micro level situation	:	MT-2 and MT-10 can be adopted for commercial cultivation in Wokha District.
9) Constraints identified and feedback for research	:	High incidence of fruit borer
10) Process of farmers participation and their reaction	:	Farmers actively participated and were satisfied with the yield performance

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Tomato	Rainfed	Low yielding local varieties	Evaluation of tomato Cv. MT-2 and MT-10	3	MT-2 and MT-10	DOS	24/03/10	MT-2= 378 q/ha MT-10= 270 q/ha	Farmers actively participated and were satisfied with the yield performance
						DOG	31/03/10(8 days)		
						DOT	26/24/10		
						DOF	24/05/10(28 days from transplanting)		
						DOH	03/07/10(39 days from flowering)		
						Yield	MT-2= 378 q/ha MT-10= 270 q/ha		

Continue…..

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
MT-2 and MT-10	MT-2 = 378 q/ha MT-10= 270 q/ha	MT-2 = Rs.2,85,950/- MT-10= Rs.1,77,950/-	MT-2 = 4.10:1 MT-10= 2.93:1

B. Technology Refinement : NA

Trial 1

1. Title :
2. Problem diagnose/defined :
3. Details of technologies selected for assessment/refinement:
4. Source of technology :
5. Production system thematic area :
6. Thematic area :
7. Performance of the Technology with performance indicators :
8. Final recommendation for micro level situation :
9. Constraints identified and feedback for research :
10. Process of farmers participation and their reaction :

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology refined	Parameters	Data on the parameter	Results of refinement	Feedback from the farmer	Justifi cation for refinement
1	2	3	4	5	6	7	8	9	10	11

**** No. of farmers***

Technology Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
12	13	14	15

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

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2007-08 and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Oyster Mushroom	Mushroom cultivation	Oyster	Large scale demonstration programmes and extension literatures to be published	1	3 SHGs	3 Units
Kuroiler	Poultry farming	Kuroiler	Large scale demonstration programmes and extension literatures to be published	3	10 SHGs from the three selected villages	10 units of 50 birds each

b. Details of FLDs implemented during October,2009-March,2010 (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
					Proposed	Actual	SC/ST	Others	Total	
1	Pea	Arkel	Arkel	Rabi, 2009	0.5	0.50	30	Nil	30	NA
2	Mustard and rapeseed	M-27	M-27	Rabi, 2009	-	25	100	Nil	100	NA
3	Jhum Paddy	Bioferilizer	*Azospirillum* and *Phosphotika*	Kharif,2010	-	5	300	Nil	300	NA
4	Cucumber	Mokokchung Local	Mokokchung Local	Kharif,2010	1	1	3	Nil	3	NA
5	Soybean	Cultivation of soybean	JS-335	Khraif, 2009	1	1	1	Nil	1	Crop failed due to less rainfall
6	Groundnut	Cultivation of groundnut	JL-24	Kharif, 2009	0.5	0.5	4	Nil	4	Crop failed due to less rainfall

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Pea	Rabi, 2009	RF	Loamy	-	-	-	Paddy	15/10/2009	07/01/2010	-	-
Mustard and rapeseed	Rabi, 2009	RF	Loamy	-	-	-	Paddy	30/10/2009	02/02/2010	-	-
Jhum Paddy	Kharif,2010	RF	Loamy	-	-	-	Paddy	17/03/2010	25/08/2010	-	-
Cucumber	Kharif,2010	RF	Loamy	-	-	-	Fallow	25/03/10	10/06/10	-	-
Soybean	Khraif, 2009	RF	Loamy	-	-	-	Fallow	-	-	-	-
Groundnut	Kharif, 2009	RF	Loamy	-	-	-	Fallow	-	-	-	-

Performance of FLD

Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
					H	L	A			Demo	Local
2	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
Pea	Arkel	Arkel	30	0.50	13.25	11.80	12.52	7.00	79%	12.52	7.00
Mustard and rapeseed	M-27	M-27	100 (10 SHG's with 10 members each)	25	8.50	7.50	8.00	5.00	60%	8.00	5.00
Jhum Paddy	Bioferilizer	*Azospirillum* and *Phosphotika*	300	5 ha	33.10	27.20	30.15	14.20	112.32%	Height-122cm Grains-224 Yield-30.15q/ha	Height-115cm Grains-185 Yield-14.2q/ha
Cucumber	Mokokchung Local	Mokokchung Local	3	1	821.40	716.10	768.80	632.70	82%	No. of fruits/platn-44.40 Yield-768.80 q/ha	No. of fruits/platn-34.20 Yield-632.70 q/ha
Soybean	JS-335	JS-335	4	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Groundnut	JL-24	JL-24	1	0.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil

NB: Attach few good action photographs with title at the back with pencil

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)			Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration		Local Check	Demonstration	Local Check	Demonstration	Local Check	
	14	15	16	17	18	19	20
Pea	21200/-	15000/-	50080/-@Rs.40/kg	28000/-	28800/-	13000/-	2.36:1/2.13:1
Mustard and rapeseed	10000/-	7000/-	32000/-@Rs.40/kg	20000/-	22000/-	13000/-	3.20:1/2.85:1
Jhum Paddy	21000	20000	45225/-@Rs.15/kg	21300@Rs.15/kg	24225	Rs.1300	Demo-2.15:1 Local-1.21:1
Cucumber	Rs. 97700	Rs.97700	RS. 410700@Rs5/kg	Rs.316350@Rs.5/kg	Rs. 31300	Rs. 218650	Demo=4.20:1 Local=3.22:1
Soybean	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Groundnut	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Analytical Review of component

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Pea	Rabi	1. Arkel 2. FYM 3. Nil 4. Sulfex @ 3kg/ha in 1000 litres of water	Rainfed	12.52	7	79%
Mustard and Rape seed	Rabi	1. M-27 2. FYM 3. Nil 4. Rogor 1.5 ml/litre of water for aphid	Rainfed	8	5	60%
Jhum Paddy	Kharif	1. Biofertilizer 2. FYM 3. Nil 4. Trichogramma released	Rainfed	30.15	14.20	112.32%
Cucumber	Kharif	1. Mokokchung Local 2. FYM 3. 20:60:30 NPK 4. Neem oil @	Rainfed	768.80	632.70	82%
Soybean	Kharif	1. JS-335 2. FYM 3. Nil 4.	Rainfed	Crop failed	Crop failed	Crop failed
Groundnut	Kharif	1.JL-24 2. Nil 3. Nil 4. Nil	Rainfed	Crop failed	Crop failed	Crop failed

Technical Feedback on the demonstrated technologies

S. No	Feed Back
Pea	low soil moisture availability and incidence of powdery mildew observed
Mustard and rapeseed	good crop compared with local variety
Jhum Paddy	NA
Cucumber	More study on insect pest and disease management
Soybean	Crop failed due to less rainfall during the year 2009
Groundnut	Crop failed due to less rainfall during the year 2009

Farmers' reactions on specific technologies

S. No	Feed Back
Pea	no additional expenditure in stacking and gave comparatively good yield inspite of low moisture
Mustard and rapeseed	good crop compared with local variety
Jhum Paddy	Comparatively higher yield with application of biofertilizer. Have decided to take up the practice on regular manner
Cucumber	Higher yield compared to existing variety. Have decide to popularize the variety among the farmers' and neighboring villages.
Soybean	Crop failed due to less rainfall during the year 2009
Groundnut	Crop failed due to less rainfall during the year 2009

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	2	03/02/2010 31/07/2010	30 30	-
2	Farmers Training	2		60	-
3	Media coverage	2		-	-
4	Training for extension functionaries	1		30	-

c. 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		
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Kuroiler farming	Kuroiler	10 SHGs	500	Body weight	3.20 kg/bird	1.7 kg/bird	88%	Good

**** Milk production, meat production, egg production, reduction in disease incidence etc.***

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Mushroom	**Oyster (*Pleurotus sajor caju)***	30	3	Yield	150 kg/unit	NA	NA	Good
Apiary	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Sericulture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Vermi compost	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
ZECC	**5**	**5**	**5**	**-**	**-**	**-**	**-**	**-**
Jalkund	**3**	**3**	**3**	**-**	**-**	**-**	**-**	**-**

3.3 Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit)

A) ON Campus : NA

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
I Crop Production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Weed Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Resource Conservation Technologies	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Cropping Systems	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Crop Diversification	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Water management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Seed production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Nursery management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Crop Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Fodder production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of organic inputs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
II Horticulture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
a) Vegetable Crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of low volume and high value crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Off-season vegetables	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Nursery raising	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Exotic vegetables like Broccoli	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Export potential vegetables	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Grading and standardization	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Protective cultivation (Green Houses, Shade	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Net etc.)										
b) Fruits	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Training and Pruning	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Layout and Management of Orchards	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Cultivation of Fruit	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Management of young plants/orchards	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Rejuvenation of old orchards	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Export potential fruits	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Micro irrigation systems of orchards	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Plant propagation techniques	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
c) Ornamental Plants	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Nursery Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Management of potted plants	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Export potential of ornamental plants	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Propagation techniques of Ornamental Plants	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
d) Plantation crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production and Management technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Processing and value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
e) Tuber crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production and Management technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Processing and value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
f) Spices	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production and Management technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Processing and value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
g) Medicinal and Aromatic Plants	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Nursery management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Production and management technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Post harvest technology and value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
III Soil Health and Fertility Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Soil fertility management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Soil and Water Conservation	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Nutrient Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production and use of organic inputs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Management of Problematic soils	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Micro nutrient deficiency in crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Nutrient Use Efficiency	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Soil and Water Testing	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
IV Livestock Production and Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Dairy Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Poultry Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Piggery Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Rabbit Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Disease Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Feed management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of quality animal products	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
V Home Science/Women empowerment	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Household food security by kitchen gardening and nutrition gardening	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Design and development of low/minimum cost diet	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Designing and	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

development for high nutrient efficiency diet										
Minimization of nutrient loss in processing	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Gender mainstreaming through SHGs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Storage loss minimization techniques	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Income generation activities for empowerment of rural Women	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Location specific drudgery reduction technologies	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Rural Crafts	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Women and child care	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
VI Agril. Engineering	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Installation and maintenance of micro irrigation systems	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Use of Plastics in farming practices	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of small tools and implements	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Repair and maintenance of farm machinery and implements	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Small scale processing and value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Post Harvest Technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
VII Plant Protection	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Pest Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Disease Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Bio-control of pests and diseases	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of bio control	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

agents and bio pesticides										
VIII Fisheries	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated fish farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carp breeding and hatchery management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carp fry and fingerling rearing	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Composite fish culture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Hatchery management and culture of freshwater prawn	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Breeding and culture of ornamental fishes	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Portable plastic carp hatchery	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Pen culture of fish and prawn	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Shrimp farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Edible oyster farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Pearl culture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Fish processing and value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
IX Production of Inputs at site	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Seed Production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Planting material production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Bio-agents production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Bio-pesticides production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Bio-fertilizer production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Vermi-compost production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Organic manures production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of fry and fingerlings	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of Bee-colonies and wax sheets	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Small tools and	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

implements										
Production of livestock feed and fodder	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of Fish feed	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
X Capacity Building and Group Dynamics	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Leadership development	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Group dynamics	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Formation and Management of SHGs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Mobilization of social capital	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Entrepreneurial development of farmers/youths	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
WTO and IPR issues	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
XI Agro-forestry	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production technologies	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Nursery management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Farming Systems	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
TOTAL	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
(B) RURAL YOUTH	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Mushroom Production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Bee-keeping	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Seed production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of organic inputs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Planting material production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Vermi-culture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Sericulture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Protected cultivation of vegetable crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Commercial fruit production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Repair and maintenance of farm machinery and	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

implements										
Nursery Management of Horticulture crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Training and pruning of orchards	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Value addition	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production of quality animal products	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Dairying	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Sheep and goat rearing	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Quail farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Piggery	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Rabbit farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Poultry production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ornamental fisheries	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Para vets	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Para extension workers	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Composite fish culture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Freshwater prawn culture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Shrimp farming	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Pearl culture	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Cold water fisheries	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Fish harvest and processing technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Fry and fingerling rearing	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Small scale processing	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Post Harvest Technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Tailoring and Stitching	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Rural Crafts	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
TOTAL	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
(C) Extension Personnel	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Productivity enhancement in field crops	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Pest Management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Integrated Nutrient management	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Rejuvenation of old orchards	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Protected cultivation technology	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Formation and Management of SHGs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Group Dynamics and farmers organization	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Information networking among farmers	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Capacity building for ICT application	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Care and maintenance of farm machinery and implements	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
WTO and IPR issues	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Management in farm animals	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Livestock feed and fodder production	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Household food security	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Women and Child care	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Low cost and nutrient efficient diet designing	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Production and use of organic inputs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Gender mainstreaming through SHGs	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
TOTAL	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

B) OFF Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	2				60	40	100	60	40	100
Crop Diversification										
Integrated Farming										
Water management										
Seed production										
Nursery management										
Integrated Crop Management	5				120	65	185	120	65	185
Fodder production										
Production of organic inputs	5				90	112	202	90	112	202
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	2				42	33	75	42	33	75
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	1				30	-	30	30	-	30
Management of young plants/orchards	1				16	9	25	16	9	25
Rejuvenation of old orchards	1				17	11	28	17	11	28
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	6				142	103	245	142	103	245
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	1				25	10	35	25	10	35
Piggery Management	1				34	08	42	34	08	42
Rabbit Management										
Disease Management	2				60	29	89	60	29	89
Feed management										
Production of quality animal products	2				47	10	57	47	10	57
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1				21	19	40	21	19	40
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	1				10	20	30	10	20	30
Income generation activities for empowerment of rural Women	1				-	25	25	-	25	25
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	3				85	45	130	85	45	130
Integrated Disease Management	2				33	20	53	33	20	53
Bio-control of pests and diseases	3				74	37	111	74	37	111
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										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**40**				**906**	**596**	**1502**	**906**	**596**	**1502**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs	1				18	17	35	18	17	35
Integrated Farming	1				20	30	50	20	30	50
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										

Training and pruning of orchards										
Value addition	3				10	45	55	10	45	55
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				7	18	25	7	18	25
TOTAL	**6**				**110**	**55**	**165**	**110**	**55**	**165**
(C) Extension Personnel										
Productivity enhancement in field crops	2				94	36	130	94	36	130
Integrated Pest Management	1				29	1	30	29	1	30
Integrated Nutrient management										
Rejuvenation of old orchards	1				29	1	30	29	1	30
Protected cultivation technology	1				29	1	30	29	1	30
Formation and										

Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
TOTAL	**5**				**181**	**39**	**220**	**181**	**39**	**220**

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	2				60	40	100	60	40	100
Crop Diversification										
Integrated Farming										
Water management										
Seed production										
Nursery management										
Integrated Crop Management	5				120	65	185	120	65	185
Fodder production										
Production of organic inputs	5				90	112	202	90	112	202
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	2				42	33	75	42	33	75
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	1				30	-	30	30	-	30
Management of young plants/orchards	1				16	9	25	16	9	25
Rejuvenation of old orchards	1				17	11	28	17	11	28
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	6				142	103	245	142	103	245
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	1				25	10	35	25	10	35
Piggery Management	1				34	08	42	34	08	42
Rabbit Management										
Disease Management	2				60	29	89	60	29	89
Feed management										
Production of quality animal products	2				47	10	57	47	10	57
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1				21	19	40	21	19	40
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	1				10	20	30	10	20	30
Income generation activities for empowerment of rural Women	1				-	25	25	-	25	25
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										
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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										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**40**				**906**	**596**	**1502**	**906**	**596**	**1502**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs	1				18	17	35	18	17	35
Integrated Farming	1				20	30	50	20	30	50
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										

Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	3				10	45	55	10	45	55
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				7	18	25	7	18	25
TOTAL	**6**				**110**	**55**	**165**	**110**	**55**	**165**
(C) Extension Personnel										
Productivity enhancement in field crops	2				94	36	130	94	36	130
Integrated Pest Management	1				29	1	30	29	1	30
Integrated Nutrient management										
Rejuvenation of old orchards	1				29	1	30	29	1	30
Protected cultivation	1				29	1	30	29	1	30

technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
TOTAL	**5**				**181**	**39**	**220**	**181**	**39**	**220**

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

(E) Sponsored Training Programmes

Sl.No	Date	Title/Programme	No. of Participants			Sponsoring Agency	Amount of fund received (Rs.)
			Total				
			Male	Female	Total		
1	03/03/10	Demonstration cum training on Biofertilizers	30	20	50	ATMA	4000/-
2	11/03/10	Training cum awareness Programme on PPV and FRA	62	35	100	PPV and FRA, New Delhi	60,000/--
3	16/03/2010	Training cum demonstration (15 units)on Zero Energy Cool Chamber	15	-	15	NABARD	77,125/-
4	14/01/2010	Training cum Demonstration on orange	17	11	28	ATMA	10,000/-
5	31/03/2010	Demonstration on application of *Trichoderma* on ginger	-	-	11 SHG's	ATMA	8000/-

3.4. Extension Activities (including activities of FLD programmes)

Activities	Particulars	Achievements
1. Field days	**1.a. Numbers**	**1**
	1.b. Participants	**20**
2. Diagnostic Services	**2.a. Numbers**	**8**
	2.b Participants	**26**
3. Animal Health Camp	**3.a. Numbers**	**1**
	3.b Beneficiaries	**60**
4. Exhibition	**4.a. Numbers**	**2**
	4.b Number of farmers	**300**
5. Radio Talk		**10**
6. Publications/Popular Articles		**4**
7. Newspaper coverage		**11**
8. Farmers scientist Interaction		**2**
10. Film shows	**11.a. Numbers** **11.b Number of farmers**	**1** **55**
11.Clinical Visit		**1**

3.5 Production and supply of Technological products : Farm under development

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
OILSEEDS					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
PULSES					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
VEGETABLES					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
FLOWER CROPS					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
OTHERS (Specify)					
	NA	NA	NA	NA	NA

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	NA	NA	NA
2	OILSEEDS	NA	NA	NA
3	PULSES	NA	NA	NA
4	VEGETABLES	NA	NA	NA
5	FLOWER CROPS	NA	NA	NA
6	OTHERS	NA	NA	NA
TOTAL			NA	NA

PLANTING MATERIALS: Farm under development

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
SPICES					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
VEGETABLES					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
FOREST SPECIES					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
ORNAMENTAL CROPS					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
PLANTATION CROPS					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA
Others (specify)					
	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	NA	NA	NA
2	VEGETABLES	NA	NA	NA
3	SPICES	NA	NA	NA
4	FOREST SPECIES	NA	NA	NA
5	ORNAMENTAL CROPS	NA	NA	NA
6	PLANTATION CROPS	NA	NA	NA
7	OTHERS	NA	NA	NA
	TOTAL	NA	NA	NA

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
BIOFERTILIZERS						
1	NA	NA	NA	NA	NA	NA

2	NA	NA	NA	NA	NA	NA
BIO PESTICIDES						
1	NA	NA	NA	NA	NA	NA
2	NA	NA	NA	NA	NA	NA

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS	NA	NA	NA	NA	NA
2	BIO FERTILIZERS	NA	NA	NA	NA	NA
3	BIO PESTICIDE	NA	NA	NA	NA	NA
	TOTAL	NA	NA	NA	NA	NA

LIVESTOCK : Farm under development

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle						
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
SHEEP AND GOAT						
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
POULTRY						
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
FISHERIES						
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
Others (Specify)						
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE	NA	NA	NA	NA	NA
2	SHEEP & GOAT	NA	NA	NA	NA	NA
3	POULTRY	NA	NA	NA	NA	NA
4	FISHERIES	NA	NA	NA	NA	NA
5	OTHERS	NA	NA	NA	NA	NA
	TOTAL	NA	NA	NA	NA	NA

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

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

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers			
Total			
Technical reports			
Popular articles	1. Effect of biofertilizer application on paddy under TRC in Wokha District 2. Farm trial on SRI under Wokha District 3. Personal hygiene and health care 4. Household pests and its control measures 5. Biofertilizers 6. Mushroom cultivation 7. IPM on rice	N.Khumdemo Ezung N.Khumdemo Ezung Jessica Dohtdong Jessica Dohtdong N.Khumdemo Ezung Lireni Kikon Lireni Kikon	
Leaflets/folders	Translated in local dialect		
	1. Biofertilizers	N.Khumdemo Ezung	
	2. Rabbit farming for meat production	Dr.Moa	
	3. Package of practices for pineapple	Megokhono Meyase	
	4. Package of practices for beans and pea	Megokhono Meyase	
	5. IPM on Rice	Lireni Kikon	
	6. Oyster mushroom cultivation	Lireni Kikon	
	7. Trichogramma and its application	Lireni Kikon	
	8. Trichoderma and its application	Lireni Kikon	
	9. Food preservation(Its importance and method)	Jessica Dohtdong	
	10. Different types of pickle preparation	Jessica Dohtdong	
Total			
GrandTOTAL			

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

(C) Details of Electronic Media Produced : NA

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

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

As mentioned above, the traditional method of soil conservation called 'ECHO' was improvised by incorporating the technology of contour bunding for soil conservation. This technology was observed to have a high level of adoption since the farmers' does not have to invest any money on it. It is now slowly spreading to the adjoining villages of the district.

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
NA	NA	NA	NA

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

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

For identifying the training needs of the farmers and rural youth, PRA, survey, questionairs and interaction with the village elders and leaders was undertaken. However, for the inservice personnel, a thorough discussion with the district Head of Department of Agri. and allied Department was carried out in planning the need base training programmes.

3.11 Details of village adoption : Adopted on July, 2007(continuing)

i. Number of villages adopted : 3(Longsa, Longsachung & Wokha village)
ii. Total no. of household : i. Wokha Viilage : 700 nos.
ii. Longsachung : 150 nos.
iii. Longsa : 550 nos.
ii. No. of farm families selected : 30
iii. Distance of village from KVK : i. Wokha Viilage : 13 km
ii. Longsachung : 8 km
iii. Longsa : 7 km

3.12. Activities of Soil and Water Testing Laboratory : Laboratory not yet established

Status of establishment of Lab :

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

Sl. No	Name of the Equipment	Qty.	Cost
1	**NA**	**NA**	**NA**
2	**NA**	**NA**	**NA**
3	**NA**	**NA**	**NA**
Total		**NA**	**NA**

3. Details of samples analyzed so far : NA

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	**NA**	**NA**	**NA**	**NA**
Water Samples	**NA**	**NA**	**NA**	**NA**
Plant Samples	**NA**	**NA**	**NA**	**NA**
Petiole Samples	**NA**	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**

4.0 IMPACT

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

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

4.2. Cases of large scale adoption
Not yet conducted

4.3 Details of impact analysis of KVK activities carried out during the reporting period
Not yet conducted

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State Deptts. of Agri. and Allied	Participation in meeting, supply of seeds and other critical inputs, trainings and demonstrations
IGNOU	Conducting seminars and trainings
dKt India	Conducting trainings
Lotha Baptist Churches Association(NGO)	Conducting trainings and Seminars at remotest villages
ATMA	Trainings and participation in meetings
Nagaland University	Technical support
NABARD	Financial support
ICAR for NEH Region	Technical and financial support
Central Institute of Horitculture	Human Resource Development

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Development of non-forest wasteland through agro-forestry models in Nagaland	**June, 2007**	**Ministry of Rural Development Govt of India**	**ongoing project**
Zero Energy Cool Chamber	**July,2009**	**NABARD**	**74125/-**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1	Trainings	Financial support	Good
2	Demonstrations	Financial support	Good
3	Publkication of extension literatures	Financial support	Good
4	Human Resource Development	Financial support	Good
5	Exposure tour	Financial support	Good

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	NA	NA	NA

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1	NA	NA	NA

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

6.2.Performance of instructional farm (Crops) including seed production: Under development

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	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pulses	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pigeonpea	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oilseeds	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fibers	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
Spices & Plantation crops									
Floriculture	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fruits	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vegetables	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
Others (specify)									
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
NA	**NA**	**NA**	**NA**	**NA**	**NA**
NA	**NA**	**NA**	**NA**	**NA**	**NA**

6.4 Performance of instructional farm (livestock and fisheries production) Under development

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.4 6.5 <u>Rainwater Harvesting:</u>

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/STParticipants		
				Male	Female	Total	Male	Female	Total
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.5 Utilization of hostel facilities : Not yet utilised

Accommodation available (No. of beds) :

Months	**Title of the training course/Purpose of stay**	**No. of trainees stayed**	**Trainee days (days stayed)**	**Reason for short fall (if any)**
October 2006	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
November 2006	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
December 2006	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
January 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
February 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**

	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
March 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
April 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
May 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
June 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
July 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
August 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
September 2007	**NA**	**NA**	**NA**	**NA**
	NA	**NA**	**NA**	**NA**
Total	**NA**	**NA**	**NA**	**NA**
Grand total	**NA**	**NA**	**NA**	**NA**

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	SBI, Wokha	Wokha	11766515598

7.2 Utilization of funds under FLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2009
	Kharif 2008	Rabi 2008 –09	Kharif 2008	Rabi 2008-09	
Inputs	**NA**	**NA**	**NA**	**NA**	**NA**
Extension activities	**NA**	**NA**	**NA**	**NA**	**NA**
TA/DA/POL etc.	**NA**	**NA**	**NA**	**NA**	**NA**
TOTAL	**NA**	**NA**	**NA**	**NA**	**NA**

FLD on oilseed was conducted with KVK contingency

7.3 Utilization of funds under FLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2009
	Kharif 2008	Rabi 2008 –09	Kharif 2008	Rabi 2008-09	
Inputs	**NA**	**NA**	**NA**	**NA**	**NA**
Extension activities	**NA**	**NA**	**NA**	**NA**	**NA**
TA/DA/POL etc.	**NA**	**NA**	**NA**	**NA**	**NA**
TOTAL	**NA**	**NA**	**NA**	**NA**	**NA**

FLD on pulses was conducted with KVK contingency

7.4 Utilization of funds under FLD on Cotton *(Rs. In Lakhs) : NA*

Item	Released by ICAR	Expenditure	Unspent balance as on 1st April 2008
	Kharif 2007	Kharif 2007	
Inputs	**NA**	**NA**	**NA**
Extension activities	**NA**	**NA**	**NA**
TA/DA/POL etc.	**NA**	**NA**	**NA**
TOTAL	**NA**	**NA**	**NA**

7.5. 2009-10(upto March, 2010)

S. No.	Particulars	Sanctioned	Released	Expenditure
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 (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

7.6 Status of revolving fund (Rs. in lakhs) for the four years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2005 to March 2006	Nil	Nil	Nil	Nil
April 2006 to March 2007	1,00000.00/-	1606.00/-	Nil	1,01606.00/-
April 2007 to March 2008	1,01606.00/-	5230.00/-	Nil	1,06836.00/-
April 2008 to March 2009	1,06836.00/-	9834.00/-	Nil	116670.00/-
April 2009 to March 2010	116670.00/-	7147.00/-	Nil	123817.00/-

8.0 Please include information which has not been reflected above (write in detail).

8.1 Constraints :

(a) Administrative : Programme Coordinator, and Accountant cum superintendent not yet appointed
(b) Financial : Meal for farmers @ Rs.40 per head is not sufficient
(c) Technical : Finds difficulty in getting the latest technology for undertaking trials and demonstrations.

TRAININGS, SEMINARS, WORKSHOPS ATTENDED

S. No.	Name & Designation	Seminar/Training/Workshop	Date
1.	Mr. Khumdemo Ezung, Incharge	Training cum awareness for protection of plant varieties and farmers right act at ICAR, Nagaland Centre	14th September, 2009
2.	Mr. Khumdemo Ezung, Incharge	Pilot project on augmenting productivity of lead crops/activities through sustainable agricultural practices.	

Programme Coordinator(i/c)
KVK, Wokha, Nagaland