ANNUAL ACTION PLAN: 2009-10

KVK, Phek

PART – I
(GENERAL INFORMATION)

1. General information about the KVK

Name and address of KVK with Phone, Fax and E-mail*

Complete postal address with Pin Code	Telephone	Fax	E mail
Krishi Vigyan Kendra (NRCM), Village- Porba, P.O-Pfutsero, District- Phek,Nagaland-797107	03865-281436	03865-281436	kvk_phek@yahoo.co.in www.kvkphek.org.in

Name and address of host organization with Phone, Fax and E-mail*

Complete postal address with Pin Code	Telephone	Fax	E mail
NRC on Mithun, Jharnapani, Medziphema, Nagaland	03862-247341	03862-247341	nrcmithun@mailcity.com www.nrcmithun.res.in

Name of the Programme Coordinator with Landline & Mobile No*

Name of PC	Contacts		
	Residence	Mobile	E mail
Dr. R.K.Singh	Village- Porba, P.O-Pfutsero, District- Phek,Nagaland-797107	09436606353	rksingh3@gmail.com

**** = Mandatory and to be provided without fail.***

Year of sanction of KVK: 2003

Scientific Staff Position* (As on 30th August, 2009)

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent /Temporary
1	Programme Coordinator	Dr. R.K.Singh	Programme Coordinator	Animal Science	7.12.2008	Permanent
2	Subject Matter Specialist	Mr.Rinku Bharali	SMS	Horticulture	17.8.2006	Permanent
3	Subject Matter Specialist	Miss T.Esther Longkumer	SMS	Soil Science	01-08-06	Permanent
4	Subject Matter Specialist	Miss Hannah K. Asangla	SMS	Agronomy	01-08-06	Permanent
5	Subject Matter Specialist	Er. Chitrasen Lairenjam	SMS	Agril Engg.	10-08-06	Permanent
6	Subject Matter Specialist	Dr. Prakash Ranjan Dutta	SMS	Animal Science	04-08-06	Permanent
7	Subject Matter Specialist	Vaccant				
8	Programme Assistant	Miss Virginia Thabah	Programme Asst.	Home Science	21-08-06	Permanent
9	Computer Programmer	Er. Nukusa T. Vadeo	Computer Programmer	Computer Engg.	1.8.2006	Permanent
10	Farm Manager	-				

**** = The scientific staff position should reflect in the quantity and quality of all programmes proposed by KVK in the action plan***

Total land with KVK (in ha):

No.	Item	Area (ha)
1	Under Buildings	Nil
2.	Under Demonstration Units	Nil
3.	Under Crops	0.2
4.	Orchard/Agro-forestry	1.8
5.	Others	15

SAC meetings proposed for the year:

No.	Proposed Date/Month	Expected Participants	Salient Action Points
1.	23rd January 2010	25	• Training and demonstrations on high yielding varieties of various cereals, pulses and oilseeds. • Introduction and assessment of Kharif season vegetables under protected cultivation. • Production technology of temperate fruits. • Training and demonstration on disease and feeding management of livestock. • Introduction of turkey under backyard. • Post harvest management of vegetables and fruits. • Demonstration of water harvesting structures and micro irrigation system
2.	9th July 2010	25	• Mushroom cultivation • Cultivation and assessment of Rabi season vegetables under protected condition. • Fish disease management technology. • Production of organic inputs. • Integrated pest management • Integrated Nutrient Management

Details of district (2008-09)

Major farming systems existing in the district* (based on the study made by the KVK)

No	Farming systems identified
1.	Jhum
2.	Pani kheti
3.	Zabo system
4.	Agrisilvipastoral system
5.	Alder based cropping system

**** = the programmes proposed by KVK should be matching with the identified farming systems***

Description of Agro-climatic Zone (based on soil and topography)

No	Agro-climatic Zone	Characteristics
1.	Mild tropical Hill zone (500-800m MSL)	Mid hills to low hills with gentle slopes. Soils ranges from sandy loam to clay
2.	Sub tropical Hill Zone (1000-1500m MSL)	High hills to medium hills with steep slope and undulating topography. Soils are rich in organic matter and ranges from sandy loam to clay loam
3.	Sub Alpine temperate zone (1500-3500m MSL)	High hills with steep terrains and deep gorges. Soils ranges are clay to clay loam

Description of major agro ecological situations (based on soil and topography)

No	Agro ecological situation	Characteristics
1	AES-I (500-1000 meters msl)	Foot hills with gentle slope having terraces suitable for paddy cultivation. Soil is basically clay loam to clay
2.	AES-II (1000-1500 meters msl)	Moderate hills with gentle slope have been observed. Soil is loamy in nature.
3.	AES-III (above1500 meters msl)	Topography is high hills with moderate to steep slopes. Soil is dominantly Sandy loam to clay loam

Details of Operational area / Villages (2009-10)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Pfutsero	Pfutsero	Porba	Paddy	Poor yield of local variety.	Introduction of high yielding varieties of paddy suitable for panikheti.
					Degrading soil fertility	Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management
					Stem borer infestation	Use of suitable plant protection measures
					More time and labour consumption in weeding and thrashing of paddy	Introduction of improved paddy weeders and thrashers.
					Poor viability of seeds and loss due to improper storage	Introduction of improved storage structure for cereals.
					Soil erosion, loss of fertility and degradation	Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Maize	Poor yield and low quality of local variety	Introduction of high yielding/hybride varieties
					Improper plant spacing with higher seed rate	Proper plant geometry and seed rate
					Drudgery in shelling of maize	Use of maize shellers
				Potato	Low yield	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil.
					Non avialibility of quality planting material	Introduction of TPS technology
					Cut worm, Red ants	Use of suitable plant protection measures
				Banana	Cultivation of wild type low quality banana cultivars.	Introduction of high quality of banana cultivar such as Grand naine
					Improper training of plants.	
				Passion fruit	Improper planting, training and pruning	Improved production technology of passion fruit.
					Insect pest and disease infestation.	Use of suitable plant protection measures
					Post harvest losses of fruits and vegetables	Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Pear, Peach & plum	Heavy weed infestation in the orchards	Control of weeds
					Low yield and quality of pear peach and plum.	Use of high yielding varieties with improved production technology.
				Cabbage	Improper nursery raising technique	Proper nursery raising techniques.
					Insect and pest infestation.	Use of bio-control agents
					Mix cultivation resulting in hindrance for intercultural operations.	Developing proper intercropping pattern
				Ginger	Rotting in field and as well as during storage	Soil and Seed treatment
						Proper storage of finished products
				Poultry	Low production performance of existing birds	Introduction of quality poultry germplasm.

					No provision of night shelter and unhygienic dwellings Improper feeding High epidemics of RD	Adequate and hygienic shelter/housing Supplementary feeding for better growth and performance Vaccination
				Piggery	Low production performance of local breeds Non-availability of piglets in the locality Tendency of the farmers to produce pork on zero to negligible inputs	Introduction of quality pig germplasm. Developing breeding unit of high performing breeds Creating awareness regarding performance and management of better germplasm
				Mithun	High incidence of disease occurrence like FMD Compensation of mineral deficiency in high hill fodders by providing common salt only Parasitic infestation in young calves	Vaccination and health coverage measures. Feeding of Compounded mineral mixture instead of common salt only Deworming on regular intervals
				Cattle	Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals
				Fishery	Skin disease in local breed Poor production of local fish	Liming in fish pond Introduction of quality fish breed
2	Pfutsero	Pfutsero	Sakaraba	Paddy	Poor yield of local variety. Degrading soil fertility Stem borer infestation More time and labour consumption in weeding and thrashing of paddy Poor viability of seeds and loss due to improper storage Soil erosion, loss of fertility and degradation	Introduction of high yielding varieties of paddy suitable for panikheti. Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management Use of suitable plant protection measures Introduction of improved paddy weeders and thrashers. Introduction of improved storage structure for cereals. Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Maize	Poor yield and low quality of local variety Improper plant spacing with higher seed rate Drudgery in shelling of maize	Introduction of high yielding/hybride varieties Proper plant geometry and seed rate Use of maize shellers
				Potato	Low yield Non avialibility of quality planting material Cut worm, Red ants	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil. Introduction of TPS technology Use of suitable plant protection measures
				Banana	Cultivation of wild type low quality banana cultivars. Improper training of plants.	Introduction of high quality of banana cultivar such as Grand naine

				Passion fruit	Improper planting, training and pruning Insect pest and disease infestation. Post harvest losses of fruits and vegetables	Improved production technology of passion fruit. Use of suitable plant protection measures Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Pear, Peach & plum	Heavy weed infestation in the orchards Low yield and quality of pear peach and plum.	Control of weeds Use of high yielding varieties with improved production technology.
				Cabbage	Improper nursery raising technique Insect and pest infestation. Mix cultivation resulting in hindrance for intercultural operations.	Proper nursery raising techniques. Use of bio-control agents Developing proper intercropping pattern
				Ginger	Rotting in field and as well as during storage	Soil and Seed treatment Proper storage of finished products
				Large cardamom	High incidence of disease occurrence resulting in dyeing of plants High energy requirement in drying	Use of resistant varieties Proper designing of driers
				Poultry	Low production performance of existing birds No provision of night shelter and unhygienic dwellings Improper feeding High epidemics of RD	Introduction of quality poultry germplasm. Adequate and hygienic shelter/housing Supplementary feeding for better growth and performance Vaccination
				Piggery	Low production performance of local breeds Non-availability of piglets in the locality Tendency of the farmers to produce pork on zero to negligible inputs	Introduction of quality pig germplasm. Developing breeding unit of high performing breeds Creating awareness regarding performance and management of better germplasm
				Cattle	Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals
3	Pfutsero	Pfutsero	Gidemi	Paddy	Poor yield of local variety. Degrading soil fertility Stem borer infestation More time and labour consumption in weeding and thrashing of paddy Poor viability of seeds and loss due to improper storage	Introduction of high yielding varieties of paddy suitable for panikheti. Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management Use of suitable plant protection measures Introduction of improved paddy weeders and thrashers. Introduction of improved storage structure for cereals.

					Soil erosion, loss of fertility and degradation	Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Maize	Poor yield and low quality of local variety Improper plant spacing with higher seed rate Drudgery in shelling of maize	Introduction of high yielding/hybride varieties Proper plant geometry and seed rate Use of maize shellers
				Potato	Low yield	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil.
					Non avialibility of quality planting material Cut worm, Red ants	Introduction of TPS technology Use of suitable plant protection measures
				Banana	Cultivation of wild type low quality banana cultivars. Improper training of plants.	Introduction of high quality of banana cultivar such as Grand naine
				Passion fruit	Improper planting, training and pruning Insect pest and disease infestation. Post harvest losses of fruits and vegetables	Improved production technology of passion fruit. Use of suitable plant protection measures Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Mandarin	Improper spacing Insect pest and disease management	Proper plant geometry Integrated pest and disease management
				Pear, Peach & plum	Heavy weed infestation in the orchards Low yield and quality of pear peach and plum.	Control of weeds Use of high yielding varieties with improved production technology.
				Ginger	Rotting in field and as well as during storage	Soil and Seed treatment Proper storage of finished products
				Poultry	Low production performance of existing birds No provision of night shelter and unhygienic dwellings Improper feeding High epidemics of RD	Introduction of quality poultry germplasm. Adequate and hygienic shelter/housing Supplementary feeding for better growth and performance Vaccination
				Piggery	Low production performance of local breeds Non-availability of piglets in the locality Tendency of the farmers to produce pork on zero to negligible inputs	Introduction of quality pig germplasm. Developing breeding unit of high performing breeds Creating awareness regarding performance and management of better germplasm
				Cattle	Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals

4	Pfutsero	Pfutsero	Pfutseromi	Paddy	Poor yield of local variety.	Introduction of high yielding varieties of paddy suitable for panikheti.
					Degrading soil fertility	Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management
					Stem borer infestation	Use of suitable plant protection measures
					More time and labour consumption in weeding and thrashing of paddy	Introduction of improved paddy weeders and thrashers.
					Poor viability of seeds and loss due to improper storage	Introduction of improved storage structure for cereals.
					Soil erosion, loss of fertility and degradation	Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Maize	Poor yield and low quality of local variety	Introduction of high yielding/hybride varieties
					Improper plant spacing with higher seed rate	Proper plant geometry and seed rate
					Drudgery in shelling of maize	Use of maize shellers
				Potato	Low yield	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil.
					Non avialibility of quality planting material	Introduction of TPS technology
					Cut worm, Red ants	Use of suitable plant protection measures
				Banana	Cultivation of wild type low quality banana cultivars.	Introduction of high quality of banana cultivar such as Grand naine
					Improper training of plants.	
				Passion fruit	Improper planting, training and pruning	Improved production technology of passion fruit.
					Insect pest and disease infestation.	Use of suitable plant protection measures
					Post harvest losses of fruits and vegetables	Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Pear, Peach & plum	Heavy weed infestation in the orchards	Control of weeds
					Low yield and quality of pear peach and plum.	Use of high yielding varieties with improved production technology.
				Ginger	Rotting in field and as well as during storage	Soil and Seed treatment
						Proper storage of finished products
				Poultry	Low production performance of existing birds	Introduction of quality poultry germplasm/new kind of bird like turkey
					No provision of night shelter and unhygienic dwellings	Adequate and hygienic shelter/housing
					Improper feeding	Supplementary feeding for better growth and performance
					High epidemics of RD	Vaccination
				Piggery	Low production performance of local breeds	Introduction of quality pig germplasm.
					Non-availability of piglets in the locality	Developing breeding unit of high performing breeds

				Cattle	Tendency of the farmers to produce pork on zero to negligible inputs Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	Creating awareness regarding performance and management of better germplasm Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals

Priority thrust areas (prioritized in sync with thrust areas identified and given above)

Rank	Thrust area
1.	Introduction of quality livestock germplasm.
2.	Vaccination and health coverage measures of pig and poultry.
3.	Introduction of high yielding varieties of cereals, pulses and grains.
4.	Introduction of high yielding varieties of fruits and vegetables
5.	Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management
6.	Use of suitable plant protection measures against pest and diseases of crops
7.	Feeding of compounded mineral mixture instead of common salt in Mithun
8.	Deworming in regular intervals in Mithun
9.	Proper design of terrace, water harvesting and diversion, irrigation and drainage system for proper management of watershed area
10.	Introduction of improved storage structure for cereals and pulses
11.	Improved production technology of fruits and vegetables
12.	Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
13.	Control of weeds
14.	Soil and seed treatment and proper storage of finished products
15.	Adequate and hygienic shelter/housing
16.	Introduction of common carps and other exotic carps in paddy cum fish farming and fish ponds.

PART – II
(OFT AND FLD)

2. Technical activities proposed

Abstract of interventions to be undertaken during 2009-10 (Target)

No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions (if any)					
				Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
1	Introduction of HYV wheat	Wheat	Not introduced	To study the performance of wheat	-	Production and protection technology on wheat	-	Folder on production and protection technology on wheat	Seeds
2	Testing the performance of HYV tuber seeds	Potato	Low productivity of local tuber seeds	To study the growth and yield of potato	-	Production and protection technology on potato	-	Folder on production and protection technology on potato	seeds
3	Popularization of QPM	QPM	Sowing haphazardly	-	To study the crop geometry for QPM	Production and protection technology on QPM	-	Folder on production and protection technology on QPM	seeds
4	Popularization of groundnut	Groundnut	Sowing haphazardly	-	To study the growth and yield in different altitude	Production and protection technology on groundnut	-	Folder on production and protection technology on pyrilla	seeds
5	Popularization of soybean	Soybean	Sowing haphazardly	-	To study the growth and yield in different altitude	Production and protection technology on soybean	-	Folder on production and protection technology on pyrilla	seeds
6	Itroduction of HYV	French bean	Low productivity of local variety	Performance of French bean Arka komal (sel-9)		Production technology on French bean cultivation			Seed
7	Itroduction of HYV	Garden pea	Low yield of local tall variety and high cost in staking	Performance of garden pea var. Kashi Nandini &Vivek matar10				Field day	Seed
8	Popularization of variety	Garden pea	Low yield of local tall variety and high cost in staking		Popularization of garden pea var.AP3	Production technology on Garden pea		Field day	Seed

9	Popularization of protected cultivation technology	Tomato	Low productivity of tomato during winter and high incidence of late blight disease during offseason		Protected cultivation of tomato	Protected cultivation of vegetables under polyshade		Field day	Seedling
10	Introduction of biofertilizer for nutrient management	Potato	Low productivity because of low availability of phosphorus	Phosphate solubilizing bacteria(PSB) inoculation in potato	_	Biofertilizer application on potato	_	Folder on Phosphate solubilizing bacteria(PSB) inoculation in potato	Biofertilizer, potato seed.
11	Introduction of biofertilizer for nutrient management	Paddy	Low productivity	_	Inoculation of Azolla in lowland paddy	Azolla for enriching the nitrogen status of soil(FLD)	_	Folder on Azolla for enriching the nitrogen status of soil	Azolla, paddy seed
12	Composting methods	Tomato	Low productivity due to high nutrient loss in degraded soils	Effect of composting methods on nutrient availability of mithun dung on tomato.	_	Composting methods to enhance the utilization of organic materials.	_	Folder on Effect of composting methods on nutrient availability of mithun dung on tomato	Tomato seed, compost (NADEP, vermicompost)
13	Introduction of new germplasm	Turkey	Low productivity of present local fowl germplasm	Performance evaluation of turkey under Phek district	_	Feeding and general management of turkey	Performance of turkey under high hill condition	Field day Scientist –farmer interaction Mass awareness through newspaper and AIR	Turkey
14	Nutritional management of backyard rabbits	Rabbitry	Slow growth rate of fryers	Effect of QPM on performance of rabbits	_	Feeding management of rabbits	_	Field day Scientist –farmer interaction Mass awareness through newspaper	QPM, Rabbits
15	Brooding of kits	Rabbitry	High mortality of young kits	Effect of proper brooding on the performance of rabbits	_	Brooding and care of new born	_	Field day Mass awareness through newspaper	Brooders and medicines
16	Backyard rabbity	Rabbitry	Low production of quality meat	-	Performance of Soviet Chinchilla and New Zealand white Rabbits under backyard farming system.	Fryer Management	_	Publication of literature and news paper coverage	Pair of rabbits
17	Quality germplasm	Piggery	Poor body weight gain of non descript local pigs	-	Demonstration of performance of cross breed pigs	Swine production		Publication of booklet on swine production and news paper coverage	Pig breeding units

18	Quality germplasm	Poultry	Low productivity of local strain	-	Introduction of dual purpose Vanraja birds	Vanraja a wonder dual purpose bird	-	Booklet on Vanraja and news paper coverage, Radio talk	Vanraja birds
19	Efficient use of water	Tomato/ other rabi crops	Low yield of Rabi crops due to water stress during winter	Assessment of drip irrigation system in rabi vegetables.		Drip irrigation: A water saving technology		Field day	Drip irrigation kit Seed
20	Cardamom drying	Dryer	Low efficiency	Refining the present dryer to improve its efficacy	-	Drying of agri-produce	-	News paper coverage, publications	Exhaust and other electrical fittings
21	Maintenance of proper crop geometry	Adjustable row maker in French bean	Improper crop geometry causing low yield and hindrances intercultural operation		Maintanance of proper crop geometry using adjustable Row maker	Improved farm implement for hill agriculture		Field day	seed
22	Development of high nutrient diet for farm women	Diet design	Poor nutrition	Design and development of low cost high quality diet for hard working women		Proper nutrient supplementation for hill women		-	Locally available ingredients
23	Supply of high nutrient food	Vegetables	Poor nutrition		Scientific technology in nutritional gardening	Nutritional gardening		-	Seedlings
24	Value addition	Ginger	Loss due to storage		Processing of ginger products	Preparation of ginger ale		-	Ginger & Ingredients

Details of On Farm Trials be undertaken during 2009-10 (Target)

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	Assessment/ Refinement (WRITE A / R)	No. of trials*
1	2	3	4	5	6
Wheat	Rainfed	Not introduced	To study the performance of wheat	A	3
Potato	Rainfed	Low productivity of local tuber seeds	To study the growth and yield of potato	A	3
French bean	RF	Low productivity of local variety	Performance of French bean selection-9	A	3
Garden pea	RF	Low yield of local tall variety and high cost in staking	Performance of garden pea var. Kashi Nandini &Vivek matar10	A	3
Potato	RF	Low productivity	Phosphate solubilizing bacteria(PSB) inoculation in potato	A	3
Tomato	Irrigated (under polyhouse)	Low productivity	Effect of composting methods on nutrient availability of mithun dung on tomato.	A	3
Livestock	Backyard	Low productivity of present local fowl germplasm	Performance evaluation of turkey under Phek district	A	4
Livestock	Backyard	Slow growth rate of fryers	Effect of QPM on performance of rabbits	A	4
Livestock	Backyard	High mortality of young kits	Effect of proper brooding on the performance of rabbits	R	4
Tomato/ other rabi crops	Irrigated	Low yield of Rabi crops due to water stress during winter season	Promotion of Rabi crops during winter using drip irrigation	A	3
Dryers	-	Low efficacy of cardamom dryers	Refining the present dryer to improve its efficacy	R	3
Diet design	-	Poor nutrition	Design and development of low cost high quality diet for hard working women	A	3

*** No. of farmers**

Technology assessed/refined	Year of release of technology	Whether the technology is latest one available? (Y/N)*	If NO, then reason for using the old technology for OFT (in detail)	Parameters of assessment
6				7
A	-	N	Not introduced in this district	Growth and yield
A	-	N	As the farmers are still using the old conventional tuber seeds	Growth and yield
A	2005	Y		Plant ht, Days taken for pod formation, No of pods/plant, Length of pod, Yield/ha
A	2007	Y		Plant ht, Days taken for pod formation, No of pods/plant, Length of pod, Yield/ha
A	_	N	Biofertilizer are not being used	Growth and yield parameters Soil NPK analysis (Initial and after harvest)
A	_	N	Compost are usually not applied in this area	Analysis of compost NPK Growth and Yield parameters
Performance of turkey	_	N	Turkey is not reared in this area	Growth performance, Days taken to maturity
Performance of QPM	_	Y		Growth performance, Feed efficiency Days taken for maturity, Fertility and reproductive performance
Performance of brooder	_	N	Brooders are not used	Survival rate
A	_	Y		Crop performance, Water use efficiency Economics of the trial
R	-	Y	-	Drying time, power consumed, moisture content of the cardamon
A	_	Y		Protein Carbohydrate Fats Vitamins Minerals

- **= The technology should be less than 5 years old.**

Frontline Demonstrations

Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2008-09 and recommended for large scale adoption in the district

No	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
1	Production technology	Recommended package and practice on QPM	Training cum Demonstration	3	50	20
2	Popularization of dwarf variety	Garden pea Dwarf var., AP3	Training cum Demonstration	1	5	1.0
3	Mushroom production	Cultivation of Oyster mushroom	Training, Demonstration, Field day	5	26	-
4	Nutrient management	Inoculation of Azolla in paddy field	Training cum Demonstration -	2	5	0.5
5	Rabbitry	Performance as meat animal	Training, Demonstration, Field day	5	300	1200 (Nos.)
6	ND prevention	Vaccination of poultry	Training, Demonstration, Field day	3	250	4800 (Nos.)

** Thematic areas as given in Table on Training*

Details of FLDs to be implemented during 2009-10 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Notes (to be strictly followed in formulation of FLDs):
FLDs are conducted only on proven technologies.
FLDs are conducted on previously assessed/refined technologies which are found suitable for the KVK district.
Only latest technologies have to be selected for FLDs (Preferably less than 5 years old).
Examples: Same as in case of OFTs

A. Cereal Crops

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1	QPM	Production technology	Recommended package and practice on QPM	Kharif 2010	Y	-	50	125		125

B. Oilseed crops

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1	ground nut	Production technology	Recommended package and practice on groundnut	Kharif 2010	Y	-	4	20		20

C. Pulse Crops

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1	soybean	Production technology	Recommended package and practice on soybean	Kharif 2010	Y	-	6	30		30

D. Horticultural Crops

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1	Garden pea	Popularization of variety	Var.AP3	Rabi	Y		1.0	3		3
2	Tomato	Popularization of protected cultivation technology	Protected cultivation technology	Kharif & Rabi	Y		0.5	20		20

Extension and Training activities proposed under FLD

No.	Activity	No. of activities	Tentative Date	Number of participants	Remarks
1	Training and Field day (Maize)	2	15.01.10 10.08.10	250	-
2	Training and Field day (Groundnut)	2	20.02.10 12.08.10	50	-
3	Training and Field day (Soyabean)	2	04.03.10 18.08.10	60	-
4	Training and Field day	2	15.9.2009& 20.1.2010	40	-
5	Training and field day	2	18.9.2009& 20.2.2010	40	-

(i) Farm Implements:

No.	Crop	Thematic area	Name of the implement	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1	Adjustable row maker in French bean	Popularization of farm implement and crop geometry	Adjustable Row maker	Kharif	N		0.50	5		5

(ii) Livestock Enterprises:

Enterprises	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		
Rabbitry	Newziland white	60	60 pairs	Growth and reproductive performance	Weight gain Day taken to maturity Litter size	Weight gain Day taken to maturity Litter size	-	-
Piggery	Hampshire cross	4	20 (16+4)	Growth and reproductive performance	Weight gain Day taken to maturity Litter size	Weight gain Day taken to maturity Litter size	-	-
Poultry	Vanraja	200	800	Growth and no. of eggs	Growth rate Days taken to maturity No. of eggs/laying cycle Egg weight	Growth rate Days taken to maturity No. of eggs/laying cycle Egg weight	-	-

** 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/shitake**	**50**	**5**	**Mushroom Yield**	**-**	**-**	**-**	**-**
Apiary	Apis serena	4	4	Honey Yield	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Vermi-compost	E. foetida	5	5	Compost Yield	-	-	-	-

PART – III
(TRAINING PROGRAMMES)
3. Details of proposed training programmes (Including the sponsored and FLD training programmes
Note: The proportion of SC and ST participants for all training programmes should match with their proportion in the population of the KVK district.

On Campus

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management											
Nutrient Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming systems											
Water management											
Seed production											
Nursery management											
Integrated Crop Management											
Fodder production											
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops											
Off-season vegetables											
Nursery raising											
Exotic vegetables production											
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
b) **Fruits**											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) **Ornamental Plants**											
Nursery Management											

Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
f) Spices											
Production and Management technology											
Processing and value addition											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											

VI Agricultural 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 Technologies											
VII Plant Protection											
Integrated Pest Management											
Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other 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 in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											

WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL											
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
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											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management											

Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
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											
Any other (Pl. Specify)											
TOTAL											

Off Campus

Thematic area	Courses (No)	No. of participants									
		Others			SC			ST			Grand Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production	1							15	10	25	25
Weed Management	1							10	15	25	25
Nutrient Management											
Resource Conservation Technologies	1							15	10	25	25
Cropping Systems											
Crop Diversification											
Integrated Farming systems	1							15	10	25	25
Water management											
Seed production	1							10	15	25	25
Nursery management	1							15	10	25	25
Integrated Crop Management											
Fodder production											
Production of organic inputs	5							25	100	125	125
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops											
Off-season vegetables	1							15	10	25	25
Nursery raising											
Exotic vegetables production	1							15	10	25	25

Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
b) Fruits											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques	1							20	5	25	25
c) Ornamental Plants											
Nursery Management											
Management of potted plants	1							5	20	25	25
Production of export potential 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	1							10	15	25	25
Processing and value addition											
f) Spices											
Production and Management technology	2							20	30	50	50
Processing and value addition											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology	1							15	10	25	25
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management	2							33	17	50	50
Soil and Water Conservation	3							55	20	75	75
Integrated Nutrient Management	1							19	6	25	25
Production and use of organic inputs	1							15	10	25	25
Management of Problematic soils	1							15	10	25	25
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management	1							20	5	25	25
Poultry Management	4							20	80	100	100
Piggery Management	4							80	20	100	100
Rabbit Management	2							10	40	50	50
Disease Management	2							20	20	40	40

Feed management	1							15	5	20	20
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening	1							10	15	25	25
Design and development of low/minimum cost diet	1							5	20	251	251
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	15	25	25
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts	1							10	15	25	25
Women and child care	1										
VI Agricultural Engineering								0	25	25	25
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	**5**							**100**	**25**	**125**	**125**
Small scale processing and value addition											
Post Harvest Technologies	**2**							**35**	**15**	**50**	**50**
VII Plant Protection											
Integrated Pest Management											
Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											

Bio-fertilizer production											
Vermicompost production	1							18	7	25	25
Other Organic manures production	1							19	6	25	25
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 in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	**47**							**714**	**646**	**1360**	**1360**
(B) RURAL YOUTH											
Mushroom Production	2							20	30	50	50
Bee-keeping											
Seed production											
Production of organic inputs	2							34	16	50	50
Integrated Farming	1							15	10	25	25
Planting material production											
Vermiculture	1							19	6	25	25
Sericulture											
Protected cultivation of vegetable crops	1							15	10	25	25
Commercial fruit production											
Repair and maintenance of farm machinery and implements	2							25	10	35	35
Nursery Management of Horticulture crops	1							10	15	25	25
Training and pruning of orchards											
Value addition	1							15	10	25	25
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery	1							10	-	10	10
Rabbit farming	2							10	20	30	30
Poultry production	1							10	5	15	15
Ornamental fisheries											
Training as Para vets											

Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing	2							20	30	50	50
Post Harvest Technology											
Tailoring and Stitching	1							5	20	25	25
Rural Crafts	2							20	30	50	50
TOTAL	20							228	212	440	440
(C) Extension Personnel											
Productivity enhancement in field crops	1							10	5	15	15
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	1							10	5	15	15
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
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	1							15	5	20	20
Livestock feed and fodder production											
Household food security	1							20	5	25	25
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs	1							10	5	15	15
Gender mainstreaming through SHGs											
Any other (Pl. Specify) Micro irigation	1							10	1	11	11
TOTAL	6							75	26	101	101

Consolidated table (On + Off + Sponsored + Vocational)

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production	1							15	10	25	25
Weed Management	1							10	15	25	25
Nutrient Management											
Resource Conservation Technologies	1							15	10	25	25
Cropping Systems											
Crop Diversification											
Integrated Farming systems	1							15	10	25	25
Water management											
Seed production	1							10	15	25	25
Nursery management	1							15	10	25	25
Integrated Crop Management											
Fodder production											
Production of organic inputs	5							25	100	125	125
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops											
Off-season vegetables	1							15	10	25	25
Nursery raising											
Exotic vegetables production	1							15	10	25	25
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
b) Fruits											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques	1							20	5	25	25
c) Ornamental Plants											
Nursery Management											
Management of potted plants	1							5	20	25	25
Production of export potential 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	1							10	15	25	25
Processing and value addition											
f) Spices											
Production and Management technology	2							20	30	50	50
Processing and value addition											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology	1							15	10	25	25
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management	2							33	17	50	50
Soil and Water Conservation	3							55	20	75	75
Integrated Nutrient Management	1							19	6	25	25
Production and use of organic inputs	1							15	10	25	25
Management of Problematic soils	1							15	10	25	25
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management	1							20	5	25	25
Poultry Management	4							20	80	100	100
Piggery Management	4							80	20	100	100
Rabbit Management	2							10	40	50	50
Disease Management	2							20	20	40	40
Feed management	1							15	5	20	20
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening	1							10	15	25	25
Design and development of low/minimum cost diet	1							5	20	251	251
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	15	25	25
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts	1							10	15	25	25
Women and child care	1										
VI Agricultural Engineering								0	25	25	25
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	**5**							**100**	**25**	**125**	**125**

Small scale processing and value addition											
Post Harvest Technologies	**2**							**35**	**15**	**50**	**50**
VII Plant Protection											
Integrated Pest Management											
Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production	1							18	7	25	25
Other Organic manures production	1							19	6	25	25
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 in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											

XII Others (Pl. Specify)											
TOTAL	**47**							**714**	**646**	**1360**	**1360**
(B) RURAL YOUTH											
Mushroom Production	2							20	30	50	50
Bee-keeping											
Seed production											
Production of organic inputs	2							34	16	50	50
Integrated Farming	1							15	10	25	25
Planting material production											
Vermiculture	1							19	6	25	25
Sericulture											
Protected cultivation of vegetable crops	1							15	10	25	25
Commercial fruit production											
Repair and maintenance of farm machinery and implements	2							25	10	35	35
Nursery Management of Horticulture crops	1							10	15	25	25
Training and pruning of orchards											
Value addition	1							15	10	25	25
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery	1							10	-	10	10
Rabbit farming	2							10	20	30	30
Poultry production	1							10	5	15	15
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing	2							20	30	50	50
Post Harvest Technology											
Tailoring and Stitching	1							5	20	25	25
Rural Crafts	2							20	30	50	50
TOTAL	20							228	212	440	440
(C) Extension Personnel											
Productivity enhancement in field crops	1							10	5	15	15
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology	1							10	5	15	15
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
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	1							15	5	20	20
Livestock feed and fodder production											
Household food security	1							20	5	25	25
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs	1							10	5	15	15
Gender mainstreaming through SHGs											
Any other (Pl. Specify) Micro irigation	1							10	1	11	11
TOTAL	6							75	26	101	101

Vocational training programmes for Rural Youth :

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants		
				Male	Female	Total
Apiary	Low honey yield of local sp.	Improved technology on honey bee rearing	5	20	5	25
Rabbitry	Meat and fur production	Rabbit farming for meat and fur	6	5	5	10

*training title should specify the major technology /skill transferred

Sponsored Training Programmes

No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants										Sponsoring Agency
					PF/RY /EF		Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	Rainwater harvesting methods	Water conservation		2 day	PF	1			20			10				30	NABARD
2.	Backyard rabbitry	Meat production		4 days	PF/RY	3						90				90	NABARD
3.	Turkey farming	Meat production		4 days	PF/RY	1						30				30	NABARD
4.	Post harvest management of fruits	Processing of fruits		6 days	RY	1			10			10				20	ASSOCHAM
5.																	
Total				16 days		6			16			134				150	

PART – IV
(EXTENSION ACTIVITES AND PRODUCTION OF SEED AND PLANTING MATERIALS)

4. Proposed Extension Activities for the year 2008-09 (including activities under FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Rural Youth			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
Field Day	30	450	300	750							450	300	750
Kisan Mela	1	200	100	300							200	100	300
Kisan Gosthi	4	75	25	100							75	25	100
Exhibition	2	50	25	75							50	25	75
Film Show	10	150	100	250							150	100	250
Method Demonstrations	20	100	100	200							100	100	200
Farmers Seminar	1	30	20	50							30	20	50
Workshop	1	30	20	50							30	20	50
Group meetings	4	50	50	100							50	50	100
Lectures delivered as resource persons	6	-	-	-							-	-	-
Newspaper coverage	6	-	-	-							-	-	-
Radio talks	6	-	-	-							-	-	-
TV talks	6	-	-	-							-	-	-
Popular articles	20	-	-	-							-	-	-
Extension Literature	20	-	-	-							-	-	-
Advisory Services	25	-	-	-							-	-	-
Scientific visit to farmers field	50	-	-	-							-	-	-
Farmers visit to KVK	5	75	25	100							75	25	100
Diagnostic visits	30	-	-	-							-	-	-
Exposure visits	2	30	30	60							30	30	60
Ex-trainees Sammelan	1	20	10	30							20	10	30
Soil health Camp	1	15	10	25							15	10	25
Animal Health Camp	1	30	20	50							30	20	50
Agri mobile clinic	NA	-	-	-							-	-	-
Soil test campaigns	1	-	-	-							-	-	-
Farm Science Club Conveners meet	1	-	-	-							-	-	-
Self Help Group Conveners meetings	5	25	75	100							25	75	100
Mahila Mandals Conveners meetings	1	-	30	30							-	30	30
Celebration of important days (specify)	World food day	50	50	100							50	50	100
Any Other (Specify)													
Total	262	1305	965	2370							1305	965	2370

M=Male **F=Female** **T=Total**

Proposed production and supply of Technological products

Seed materials:

Sl. No.	Crop	Variety	Proposed Quantity (qtl.)	Value (Rs.)	To be provided to (No. of Farmers)
Cereals					
Oilseeds					
Pulses					
Vegetables					
Flower Crops					
Others (Specify)					

Planting materials :

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	To be provided to (No. of Farmers)
Fruits					
Spices					
Vegetables					
Forest Species					
Ornamental Crops					
Plantation Crops					
Others (specify)					

Bioproducts :

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			No	(kg)		
Bioagents						
1						
2						
3						
4						
Biofertilizers						
1						
2						
3						
4						
Bio Pesticides						
1						
2						
3						
4						

Livestock :

Sl. No.	Type	Breed	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			Nos	Kgs		
Cattle						
Sheep and Goat						
Poultry						
Fisheries						
Others (Specify)						
Rabbits	**Meat**	**Newziland white and Soviat Chinchila**	**200**	**600**	**30,000**	**100**

Literature proposed to be developed/ published

Item	Title	Number
Research papers	-	6
Technical reports	-	5
News letters	Biannually KVK news letter Quarterly e-magazine	6
Technical bulletins	QPM production in Phek, Rabbitry a profitable venture, Pig breeding, Protected cultivation of tomato, Rain water harvesting	5
Popular articles	Offseason vegetable production for income generation	3
Extension literature	Package and practices of Raja chilly cultivation (Folder) Production technology on ginger (Folder) Medicinal plants (Folder) Plant propagation techniques (Folder) Production technology on wheat (Folder) Production and protection technology on potato (Folder) Cultivation of pyrilla (Folder) QPM cultivation for quality poultry feed (Folder) Production and protection technology on groundnut (Folder) Production and protection technology on soybean (Folder)	15
Others (Pl. specify)	Booklet- 1- Vegetable production in Nagaland 2- Pre and post harvest management of fruits and vegetables	2
Total		**42**

Details of Electronic Media proposed

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Proposed title of the programme	Number
1	**VCD**	**Mushroom production:A profitable enterprise**	**1**
2	**CD**	**IPM in rice**	**1**
3	**CD**	**Potato cultivation**	**1**
4	**VCD**	**Backyard rabbitry**	**1**
5	**VCD**	**Turkey farming in high hills**	**1**

Field activities proposed

i. Number of villages to be adopted : 6
ii. No. of farm families to be selected : 500
iii. No. of surveys/PRA to be conducted : 2

Proposed activities of Soil and Water Testing Laboratory: NA

Status of establishment of Lab :

1. Year of establishment :
2. Details of samples to be analyzed :

Details	No. of Samples	No. of Farmers	No. of Villages
Soil Samples			
Water Samples			
Total			

PART – V
(LINKAGES WITH OUTSIDE ORGANISATIONS)

5. Proposed Linkages

Functional linkage with different organizations

Name of organization	Nature of linkage
1. NABARD	Financial
2. NFDB	Financial
3. AAU Jorhat	Technology transfer
4. NEIST, Jorhat	Technology transfer
5. ICAR (RC), Barapani	Technology transfer
6. IMD	Technology transfer
7. SASRD	Technology transfer
8. ASSOCHAM	Financial, Marketing linkage
9. ATMA	Technological support
10. NGO	Technology transfer

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

List special programmes to be undertaken by the KVK, financed by State Govt./Other Agencies (if any)

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

Details of proposed linkage with ATMA

a) Is ATMA implemented in your district (Yes/No): Yes

S. No.	Programme	Nature of linkage proposed

Give details of programmes implemented under National Horticultural Mission (if any) : NA

S. No.	Programme	Nature of linkage proposed

Nature of linkage with National Fisheries Development Board (if any): Training

S. No.	Programme	Nature of linkage proposed

PART – VI
(PERFORMANCE OF INFRASTRUCTURE)

6. Performance of infrastructure in KVK

Proposed utilization of demonstration units (other than instructional farm) : No demonstration unit has been established

No.	Demo Unit	Year of estt.	Area	Proposed production			Amount (Rs.)	
				Variety	Produce	Qty.	Cost of inputs	Gross income expected

Proposed utilization of instructional farm (Crops) including seed production: Farm has to be developed yet.

Name Of the crop	Expected Date of sowing	Expected Date of harvest	Area (ha)	Proposed production			Amount (Rs.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income expected
Cereals								
Pulses								
Oilseeds								
Fibers								
Spices								
Plantation crops								
Floriculture								

Fruits								
Vegetables								
Others (Specify)								

Proposed production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : No units are available with KVK

No.	Name of the Product	Qty	Amount (Rs.)	
			Cost of inputs	Gross income expected

Performance of instructional farm (livestock and fisheries production) :

No	Name of the animal / bird / aquatics	Details of expected production		
		Breed	Type of Produce	Qty expected
1	Fish	Exotic carps	Fresh Fish	1.00 Q

PART – VII
(SUMMARY)

7. Summary

Targets for 2009-10 for KVK.

On Farm Trials

Thematic areas	Cereals	Pulses	Vegetables	Fruits	Total
Itroduction of HYV			2		2
Promotion of Rabi crop production using drip irrigation Kit			1		1
Grand total					

FLDs on oilseed and pulse crops.

Name of KVK	Oilseeds		Pulses	
	Area (ha)	No. of farmers	Area (ha)	No. of farmers
Total				

Training programmes

Area	Farmers/ farm women		Rural youth		Extension personnel	
	Courses	Participants	Courses	Participants	Courses	Participants
Crop Production	12	375	1	25	1	15
Horticulture	7	175	2	50	1	25
Plant Protection						
Home Science						
Animal Science						
Soil Science						
Agril Engineering	9	225	2	35	1	11
Bee Keeping			5	25		
Mushroom Cultivation			2	50		
Agro forestry						
Others i) Fishery						
ii) Agri.Extension						
Total						

Extension Activities

Activity	Nos
Field days	**7**
Kisan Mela	**1**
Exhibition	**1**
Exposure visit	**2**
Extension literature	**10**
Scientist farmers' interaction	**2**
Ex-trainees meet	**1**
Advisory services	**50**
Newspaper coverage	**6**
TV show	**1**
Radio talk	**7**
Others (Kisan Gosthi)	**2**
Total	**90**

Seed Production:

KVK	Quantity (qtl)			
	Cereals	Oilseeds	Pulses	Vegetables
Total				

Planting Materials :

KVK	Quantity (nos)			
	Fruits	Vegetable Seedlings	Tree Species	Ornamental Plants
		2500		

Total				

Signature,
Programme coordinator,
KVK,

(Signature not needed in case of soft copy)

Notes:

The modalities for submission are available in the website www.icarzcu3.gov.in and is also mailed to respective KVKs. The same may be strictly followed.