Annual Progress SUMMARY FOR 2013-14

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*	*Number of farmers*	*Area in ha (Per trail covering all the Technological Options)*
Integrated Nutrient Management					
Varietal Evaluation	Wheat	Evaluation of timely sown improved wheat cultivars	5	5	0.80
	Elephant Foot Yam.	Evaluation of promising cultivars of Elephant Foot Yam.	5	5	0.20
	Onion.	Performance of different varieties of Onion.	6	6	0.24
Integrated Pest Management	Cauliflower	Management of cabbage aphid in late sown cauliflower crop.	3	3	0.12
	Pheromone traps	Efficacy of pheromone traps for control of fruit fly in cucurbits.	7	7	0.28
Integrated Crop Management	Wheat	Weed management in Wheat	5	5	0.40
	Capsicum	Standardization of transplanting date under protected condition	9	9	0.20
Integrated Disease Management	Tomato	Management of Phytophthora blight in tomato	3	3	0.24
Total			43	43	2.48

Summary of technologies assessed under livestock

Thematic areas	*Name of the livestock enterprise*	*Name of the technology assessed*	*No. of trials*
Disease Management	Dairy farming	Management of post partum anestrus	2
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management			
Others (Pl. specify)			
Total			2

II. TECHNOLOGY REFINEMENT

Summary of technologies assessed under refinement of various livestock

Thematic areas	*Name of the livestock enterprise*	*Name of the technology refined*	*No. of trials*
Disease Management			
Evaluation of Breeds			
Feed and Fodder management	Buffalo Dairy farming	Replacement of dung slurry with vermicopost in Azolla proudction	3
Others (Pl. specify)			
Total			

III. FRONTLINE DEMONSTRATION

Crops

Crop	*Thematic area*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*Area (ha)*	*Yield (q/ha)*		*% change in yield*	*Other parameters*		**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
						Demonstration	*Check*		*Demonstration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
Oilseeds																		
	Varietal demonstration	Sesame(LTK-4)		8.0	1.0	4.8	3.4	3.9	3.5(Punjab Til)	37.1	12000	38400	26400	3.2	10000	28000	18000	2.80
	Varietal demonstration	Soya bean (Harit Soya)		16	1.08	12.7	8.6	9.5	7.6 Brag	67.1	15500	38100	22600	2.45	14000	22800	8800	1.62
	Varietal demonstration	Brown sarson (KBS-3)		14	4	10.4	7.8	9.3	5.8 (Local Pilli Sarson)	60.3	13500	32550	19050	2.4	11500	20300	3800	1.76
	Varietal demonstration	Gobhi Sarson (ONK-I)		9.0	2.0	12.6	8.8	10.6	6.5	63.07	13500	37100	23600	2.7	11500	23750	11250	1.97
Pulses	Varietal demonstration and weed control	HIM Mash-I UG-218(check)		36	4.0	6.8	5.1	5.9	5.4	25.9	16000	40800	24800	2.55	14000	32400	18400	2.31
	Varietal demonstration	Gram(GPF-II)		11.0	2.0	9.8	7.6	8.6	5.8	48.27	14800	43000	28200	2.9	11800	29000	17200	2.4
Cereals	Integrated crop management	Maize(K-25)		5	2.0	35	24	29	26.0(Local var.)	34.61	16500	35000	18500	2.1	12000	26000	14000	2.16

Crop	*Thematic area*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*Area (ha)*	*Yield (q/ha)*		*% change in yield*	*Other parameters*		**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
						Demonstration	*Check*		*Demonstration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
	Varietal demonstration	Wheat (HPW-236)		10.0	2.0	34.4	26.4	32.2	25.5	29.05	19500	38640	19140	1.9	14700	30600	15900	2.0
Millets																		
Vegetables																		
Lady`s finger	ICM	Date of sowing		5	0.20	135	100	115	90	27.7	37500	138000	100500	3.8	35000	108000	73000	3.2
Peas	ICM	High yielding variety		8	0.32	150	120	130	100	30.0	28000	156000	128000	5.8	23000	120000	97000	5.2
Cauliflower	Varietal evaluation	Varietal evaluation		10	0.40	240	180	210	200	05.0	50000	210000	160000	4.2	60000	200000	140000	3.3
Fodder	**Azolla**			50	-													
				182	19													

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

** BCR= GROSS RETURN/GROSS COST

Livestock

Category	*Thematic area*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*No.of units*	*Major parameters*		*% change in major parameter*	*Other parameter*		**Economics of demonstration (Rs.)*				**Economics of check (Rs.)*			
						Demonstration	*Check*		*Demonstration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
Dairy		Uromol brick licks		22														
Poultry																		
Others (pl.specify)																		
	Total			**22**														

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
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Demonstration details on crop hybrids

Crop	*Name of the Hybrid*	*No. of farmers*	*Area (ha)*	*Yield (kg/ha) / major parameter*			*Economics (Rs./ha)*			
				Demonst-ration	*Local check*	*% change*	*Gross Cost*	*Gross Return*	*Net Return*	*BCR*
Cereals										
Maize	K-25	5	2.0	29	26.0(Local var.)	34.61	16500	35000	18500	2.1
Total		5	2.0							
Total		**5**	**2.0**							

IV. Training Programme

Training for Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Crop Production	1	17	4	21				17	4	21
Resource Conservation Technologies	1	15	10	25				15	10	25
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	24	-	24				24	-	24
Off-season vegetables	1	10	8	18				10	8	18
Nursery raising										
Exotic vegetables	1	20	10	30	-	5	5	20	25	35
Export potential vegetables										
Grading and standardization	1	22	8	30				22	8	30
b) Fruits										
Cultivation of Fruit	1	30	16	46	20	10	30	40	36	76
Livestock Production and Management										
Poultry Management	2	20	2	39	17	-	17	37	2	39
Piggery Management	1	40	2	42				40	2	42
Animal Nutrition Management	1	18	1	19				18	1	19
Plant Protection										
Integrated Pest Management	2	20	12	32	14	10	24	34	22	56
Integrated Disease Management										
Bio-control of pests and diseases	1	18	12	30	-	3	3	18	15	33
Advanced technologies in plant protection	1	-	20	20	-	2	2	-	22	22
TOTAL	**15**	**254**	**105**	**376**	**51**	**30**	**81**	**295**	**155**	**440**

Training for Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	10	110	100	210	14	36	50	124	136	260
Off-season vegetables	1	50	60	110	8	3	11	58	63	121
Nursery raising	3	52	10	62	2	7	9	54	17	71
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	1	29	-	29	6	-	6	35	-	35
Others (pl.specify)										
Integrated crop management										
Livestock Production and Management	09									
Dairy Management	08									
Poultry Management	01									
Others (pl.specify)										
Home Science/Women empowerment										
Storage loss minimization techniques										
Value addition	8	5	150	155	2	31	33	7	181	188
Safe drinking water										
Enter prenurship and processing										
TOTAL	**29**	**42**	**164**	**206**	**12**	**46**	**58**	**54**	**210**	**264**

Sponsored training programmes

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	***Female***	***Total***	***Male***	***Female***	***Total***	***Male***	***Female***	***Total***
Commercial production of vegetables	4	76	26	102	0	5	5	76	41	107
Fruit Plants	1	30	16	46	20	10	30	40	36	76
Animal Nutrition Management	1	18	1	19				18	1	19
Poultry	2	20	2	39	17	-	17	37	2	39
Goat and piggery	1	40	2	42				40	2	42
IPM	4	38	44	82	14	15	29	52	59	111
Total	13	222	91	330	51	30	81	263	141	394

V. Extension Programmes

Activities	*No. of programmes*	*No. of farmers*	*No. of Extension Personnel*	*Total*
Field Day	4	142	4	146
Kisan Ghosthi	3	256	8	264
Exhibition	1	2020	20	2040
Film Show	7	300	-	300
Method Demonstrations	10	133	-	133
Farmers Seminar	1	252	-	252
Workshop	1	0	-	0
Group meetings	4	47	-	47
Lectures delivered as resource persons	45	1290	-	1290
Advisory Services	-	500	-	500
Scientific visit to farmers field	85	263	-	263
Farmers visit to KVK	-	2151	-	2151
Diagnostic visits	80	220	-	220
Exposure visits	17	652	10	662
Ex-trainees Sammelan	-	0	-	0
Soil health Camp	2	53	-	53
Agri mobile clinic	2	37	-	37
Soil test campaigns	1	34	-	34
Farm Science Club Conveners meet	-	0	-	0
Self Help Group Conveners meetings	4	56	-	56
Parthenium day	1	43	-	43
Total	**268**	**8449**	**42**	**8491**

Details of other extension programmes

Particulars	*Number*
Electronic Media	0
Extension Literature	10
News Letter	6
News paper coverage	24
Technical Articles	6
Technical Bulletins	0
Technical Reports	21
Radio Talks	2
TV Talks	1
Animal health camps (Number of animals treated)	20
Others (pl.specify)	
Total	**90**

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	*Name of the crop*	*Name of the variety (if hybrid pl. specify)*	*Quantity of seed (q)*	*Value (Rs)*	*Number of farmers*
Cereals	Wheat (Rain-fed)	HPW-236&349 VL-907 & 892 HS-507	30.0	90000.0	200.0
Oilseeds					
Pulses	Pulses				
Commercial crops	Black gram	Him Mash-I	360.0	27360.0	-
Vegetables	Oilseeds				
Flower crops	Gobhi sarson	ONK-I	38.0	1748.0	
Spices	Brown sarson	KBS-3	24.0	1104.0	
Fodder crop seeds	Fibers				
Fiber crops					
Forest Species	Spices & Plantation crops				
Others	Turmeric	Palam Pitamber	220.0	6600.0	4.0
Total	Floriculture				

Production of planting materials by the KVKs

Crop category	*Name of the crop*	*Name of the variety (if hybrid pl. specify)*	*Number*	*Value (Rs.)*	*Number of farmers*
Commercial					
Vegetable seedlings					
	Onion	Palam Lohit, N51, Arka Bindu	1315Kg	92050	384
	brinjal	Shyamali, Arka green, Arka Keshav	1005	1005	165
	Tomato	Him Sona, Arka Meghali, Century, 7730	7606	1005	535
	Chilli	Surajmukhi	637	637	50
	Cabbage	Golden Acre, Charmant	5983	5983	263
	Broccoli	Lucky No1	1583	1583	98
	Cauliflower	Megha, Shweta	54155	54155	1200
	Bitter gourd	Pali, Chaman	1399	13990	362
	Cucumber	Dhamini	1046	10460	350
	Bottle gourd	Dhamini, Sharda, Disha, MGH1	2657	26570	421
	Capsicum	California Wonder	290	2650	50
Fodder crop saplings	Guinea grass		8.0 kg seed	8000.0	
Total					

Production of Bio-Products

Bio Products	*Name of the bio-product*	*Quantity (Kg)*	*Value (Rs.)*	*No. of Farmers*
Vermi-culture	culture	698 bags of 2 kg each	1,0,0578	698
Total				

Production of livestock and related enterprise materials

Particulars of Live stock	*Name of the breed*	*Number*	*Value (Rs.)*	*No. of Farmers*
Dairy animals				
Cows				
Buffaloes	Murrah	02	49000	02
Calves				
Others (Pl. specify) Buffalo Milk Natural service with Murrah bull			1,48,802 17500	
Poultry				
Broilers		200	36500	15
Azolla			1500	
Total				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2012-13

Samples	*No. of Samples*	*No. of Farmers*	*No. of Villages*	*Amount realized (Rs.)*
Soil	200	200	20	-
Water	30	30	5	-
Plant	-	-	-	-
Manure				
Others (pl.specify)				
Total	**230**	**230**	**25**	

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted : Two