

KVK, (District Siaha)
(DIRECTORATE OF
AGRICULTURE(R&E)
(Estd: 2008)

Front Line Demonstrations
(2017-18)

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall if any
			Target	Achievement		
Horticulture	Varietal performance of French Bean (<i>Arka Anoop & Arka Komal</i>)	1	10	10	10	Nil
	Intercropping of Strawberry with cabbage	1	10	10	10	Nil
Plant Protection	Management of storage pest of maize (<i>Sitophilus zeamais</i>) using eucalyptus bark ash. (Source of Tech. – SASRD, 2009)	1	10	10	10	Nil
	Management of white grubs (<i>Agrotis sp.</i>) and cutworms in strawberry (var. Sweet charlie) (Source of Tech-ICAR, 2010)	1	10	10	10	Nil
	Management of Maize stem borer using Malathion @ 30 kg/ha.	1	10	10	10	Nil
Soil Science	INM & their effects on the yield of tomato	1	10	10	10	Nil
	INM in rice	1	10	10	10	Nil

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall if any
			Target	Achievement		
AH & Vety	Quail farming	1	10	NA	10	Nil
	Demonstration on Backyard rearing of Kamrupa birds	1	5	NA	5	Nil
	Effect of anthelmintics on the production potential of local goats	1	5	NA	5	
Agril extn.	Video making on scientific cultivation of onion	1	1	Mass	Mass	Nil

FLDs - Discipline/ Area: Horticulture

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check Qt/ha	% increase/ change in avg. yield over local %	Gross Cost (Rs/ha)/ (Rs./ unit)	Gross Return (Rs/ha) / (Rs./ unit)	Net Return (Rs/ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A						
French bean	Varietal performance of Frenc bean Arka Anoop	120	100	110	76	44.7%	2,10,000/-	6,20,000/-	4,10,000/-	2.9
	Varietal performance of Frenc bean Arka komal	120	80	100	72	38.9%	2,00,000/-	6,00,000/-	40,00,00/-	2.8
Strawberry & cabbage	Intercropping of Strawberry with cabbage	87	60	73.5	60	8%	4,00,000/-	8,80,000/-	4,80,000/-	2.2






FLD : Plant Protection

Crops	Problem diagnosed	Technology / Social Concept	Title of OFT	No. of trials	Parameters of Assessment in treated seeds/grains	Farmers Practice
Maize	High storage pests incidence	Treatment of maize seeds with eucalyptus bark ash @ 10g/ kg of seeds	Management of storage pest of maize (<i>Sitophilus zeamais</i>) using eucalyptus bark ash. (Source of Tech – SASRD, 2009)	6	a) Extent of damaged grains per 100g seeds :- i) Infested grains – 13 nos. ii) Uninfested grains – 367nos. iii) Extent of damage - (3.42%) b) Duration of treatment – 6 months (20.9.2017 till date)	a) Extent of damaged grains per 100g seeds :- i) Infested grains – 205 nos. ii) Uninfested grains – 188nos. iii) Extent of damage - (41.58%) b) Stored grains were infested by maize weevil, cockroaches and rodents.



FLDs - Discipline/ Area: **Plant Protection**

Crop Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check Qt/ha)	% increase/ change in avg. yield over local %	Gross Cost (Rs/ha)/ (Rs./ unit)	Gross Return (Rs/ha) / (Rs./ unit)	Net Return (Rs/ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A						
Hybrid Maize Var: MM 1107	Spraying with Malathion @ 30 kg/ha.	49	43	46	42	9.52%	85,000	27,600	216,000	3.24
					Farmer's Practice –	1,90,000	252,000	162,000	2.8	
Strawberry	Soil treatment using Carbofuran 3G or Phorate 10 G @ 2gm /kg of soil as soil treatment	65	55	60	51	17.64%	3,20,000	6,00,000	2,80,000	1.87
					a) Farmers Practice- a) Pest incidence : 7grubs/10plants b) Extent of damage caused : 36.2% Yield : 200qtl/ha	800000	2000000	1200000	2.5	
										

FLD

Discipline: Ag. Extension/Economics

Enterprise	Technology	No. Of farmers/ Farm Women	No. Of Units/ Item etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change BC Ratio	Remarks
					Demo	Local		
Onion	Video making on scientific cultivation of onion							

FLD : Soil Science

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check (Qt/Ha)	Increase in yield %	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A						
INM & their effects on the yield of tomato	T 2 : 50 % RDF + 50 % dose of vermicompost RDF : 80 : 40 : 40 Kg NPK /ha	305.2	225.7	265.5	202.4	31.18	3,15,000 /-	9,15,600 / -	6,00,600 /-	2.91



Discipline: Soil Science

Crop / Enterprise	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A	(Qt/Ha)	%				
Rice	Integrated Nutrient management in rice	42.3	33.1	37.7	29.8	21	42,000/-	75,000/-	33,400/-	1.79
Farmers practice							38,000/-	59,600/-	21,600/-	1.56



FLD : Animal Science

Enterprise	Breed	No. Of farmers	No. Of animals/ poultry birds etc.	Technology demonstrated	Data on parameters in relation to technology demonstrated	% change	B.C ratio
Poultry	Quail	10	10/farmers	Popularization of quail farming by intervention of scientific farming practices	a) Monthly wt. increment : 65 g b) Age at first laying: 45 days c) Age at peak laying : 4 to 5 to 7 months d) Adaptability : Good e) Cost of farming for 10 birds upto 7months: Rs 2500 f) Gross income: Rs 6600 g) net return: Rs 4100	NA	2.6



FLD : Animal Science

Enterprise	Breed	No. Of farmers	No. Of animals/ poultry birds etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% change	Remarks
					Demo	Local		
Poultry	Backyard rearing of Kamrupa birds	10	10/farmer	a) Adaptability- b) Age at first laying c) Age at peak laying d) Monthly body weight gain	a) Adaptability-good b) Age at first laying- 5 months c) Age at peak laying-7 to 10 months d) Monthly body weight gain-avg. 180 gms. e) Cost of input :Rs.48350/- f) Gross return : Rs. 99850/- g) B.C Ratio : 2.06	a) Adaptability-good b) Age at first laying-7 mts c) Age at peak laying- 8 to 9months d) Monthly body weight gain- avg. 120 gms e) Cost of farming – 34600/- f) Gross income – 47500/- g) B:C ratio – 1.37	NA	Farmers are interested but still requires awareness.



FLD : Animal Science

Enterprise	No. Of farmers	No. Of animals/ poultry birds etc.	Methodology	Data on parameters in relation to technology demonstrated	
				Demo	Local
Goatry	5	10	<p>Effect of anthelmintic on the production performance of goat</p> <p>Regular deworming at 3 months interval @ 1 tab. of anthelmintic / 10 kg body wt.</p>	<p>a) Adaptability : Good</p> <p>b) Weight increment at puberty: 15kg</p> <p>c) General health status : NAD</p> <p>d) Occurance of GIT disorders : Nil</p> <p>e) Age at puberty : 5 mts</p> <p>f) Adult wt. (M) : 27 kg (F) : 22 kg</p>	<p>a) Adaptability : Good</p> <p>b) Monthly body weight increment : 13 kg</p> <p>c) General health status :</p> <p>d) Occurance of GIT disorders : Twice till date</p> <p>e) Age at puberty : 5 mts</p> <p>f) Adult wt (M) : 25 kg (F) : 20 kg</p>



FLDs on Other Enterprises

Enterprise	Variety/ Breed/ Species/ Others	No. Of farmers	No. of Units/ items etc.	Performance parameters/ indicators	Data on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Mushroom	Oyster mushroom	7	7	Yield	58.5 g (Economic yield)	-	-	-
Apiary	<u><i>Apis cerana indica</i></u>	13	40	Honey yield	3-5kg/ colony/ year	-	-	-
Vermicompost	<u><i>Eisenia foetida</i></u>	5	5	Yield	5.8 qt	-	-	-