FRONTLINE DEMONSTRATION LAID DURING 2023-24/2024-25

Title	Variety	Area (ha/No.)	Beneficiaries (No.)
Popularization of in Brown Sarson	(Brown Sarson SS-2)	35.0 ha	87
Popularization of high yielding SKUAST-K varieties of paddy (SR-4)	Rice	0.8 ha	05
Demonstration of Shalimar Fodder Maize	SFM-1	0.8 ha	06
Foliar application of Calcium for improving quality and storability of Cherry	Cherry	01 ha	08
Vertical gardening and its different components (Vertical gardening Frame, Containers used, plants and media to be used.)	Vertical gardening	01 ha	12
Formulation of Multigrain Atta for making chapattis at household	Multigrain Atta	-	10
Nutri garden for management of better health	Vegetables	03	05
Management of collar rot through bio-control agents	Apple	0.25	09
Organic Management of fruit cankers	Apple	0.25	09
Management of physiological disorders of Apple	Apple	0.25	09
Impact of Foliar Application of Potassium Sulphate on Color Development of Apple	Apple	0.25	09
Impact of Teat dip for prevention of mastitis in dairy cattle	Dairy Cows	10	05
Popularization of improved varieties of backyard poultry birds (Keystone gold)	Keystone gold	250	25

Performance of Frontline Demonstrations: 2023-24/2024-25

CFLD 1: Popularization of Brown Sarson (Shalimar Sarson-2)

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Yield (q/ha)		% Increase
						Demo	Check	
Brown Sarson	Crop Production/ Management/ Protection and INM	Shalimar Sarson-2	Irrigated	87	35.0	16.2	8.9	82.02

* Economics of demonstration (Rs/ha)				* Economics of Check (Rs/ha)			
Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
73600	132000	58400	1.79	68400	101000	32600	1.47

FLD 1: Popularization of SKUAST-K released varieties of Paddy

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Yield (q/ha)		% Increase
						Demo	Check	
Paddy	Popularization of high yielding SKUAST-K varieties of paddy (SR-4)	SR-4	Irrigated	05	01	82.50	51.2	61.13

* Economics of demonstration (Rs/ha)				* Economics of Check (Rs/ha)			
Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
142600	231200	88600	1.62	145000	173000	28000	1.19

FLD 2: Popularization of SKUAST-K released varieties of Fodder Maize

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Yield (q/ha)		% Increase
						Demo	Check	
Maize	Variety, Crop Production, Plant Protection Measures and INM	Shalimar Fodder Maize-1	Rainfed	06	01	442	325	36

* Economics of demonstration (Rs/ha)				* Economics of Check (Rs/ha)			
Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
102000	255000	153000	2.5	96000	172800	76800	1.8

FLD 3: Impact of Foliar Applications of Calcium for improving quality and storability of Cherry

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	A grade %age		Shelf Life (days) at room temp	
						Demo	Check	Demo	Check
Cherry	Foliar application of Calcium for improving quality and storability of Cherry	Napolean Noir Grossa	Rainfed	05	0.25	90.2	62.3	13.2	8.6

* Economics of demonstration (Rs/ha)				* Economics of Check (Rs/ha)			
Production Cost	Gross Return	Net Return	BCR	Production Cost	Gross Return	Net Return	BCR
175000	320000	145000	1.82	163000	215000	52000	1.32

FLD4: Introduction and Popularization of Vertical Gardening Concept in Urban areas

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Area expansion under vertical gardening		% Increase
						Demo	Check	
Hanging Pot Plants	Vertical Gardening	Vertical Gardening	Irrigated	10	-	240 sq. feet	-	100

* Economics of demonstration (Rs/ha)				* Economics of Check (Rs/ha)			
Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Nil	Nil	Nil	-	Nil	Nil	Nil	-

FLD 5: Demonstration on Nutri Garden for management of better health

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Adaptability %	
						Demo	Check
Vegetables	Nutri garden for management of better health	-	Irrigated	06	0.2	80	65

* Economics of demonstration (Rs/ha)				* Economics of Check (Rs/ha)			
Gross Cost	Gross Return	Gross Cost	Gross Return	Gross Cost	Gross Return	Gross Cost	Gross Return
NA	NA	NA	NA	NA	NA	NA	NA

FLD 6: Demonstration on formulation of Multigrain Atta for making chapattis at household								
Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Adaptability %		% I
						Demo	Check	
Multigrain atta	Multi grain Atta for making chapattis at household	-	-	01	01 No.	-	-	
* Economics of demonstration (Rs/ha)				* Economics of Check (Rs/ha)				
Gross Cost	Gross Return	Gross Cost	Gross Return	Gross Cost	Gross Retur n	Gross Cost	Gross Return	
NA	NA	NA	NA	NA	NA	NA	NA	

FLD 7: Management of collar rot through Bio-Control Agents									
Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Recovery (%)		Yield (kg/plant)	
						Check	Demo	Check	Demo
Apple	Management of collar rot through bio-control agents	Apple	Irrigated	09	0.25	17.3	68.6	36.2	70.4

FLD 8: Organic Management of Fruit Cankers											
Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Recovery (%)		Yield (t/ha)		Economics (B:C ratio)	
						Check	Demo	Check	Demo	Check	Demo
Apple	Organic Management of fruit cankers	Apple	Irrigated	09	0.25	23.3	75.6	9.62	16.5	1.62	2.35

FLD 9: Impact of Foliar Applications on Color Development of Apple								
Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Color %		% Increase
						Demo	Check	
Apple	Foliar application of Potassium Sulphate@ 5g/liter of water	Red Delicious	Irrigated	03	0.25	>80%	60-70%	10-12%

FRONTLINE DEMONSTRATION (ANIMAL SCIENCE) CONDUCTED DURING 2023-24/2024-25

Crop	Variety	Area (ha/No.)	Beneficiaries (No.)
Popularization of improved varieties of backyard poultry birds (Keystone gold).	Keystone gold	250	25
Impact of Teat dip for prevention of mastitis in dairy cattle	Dairy cows (CJ/HF)	10	5

FLD-1: Popularization of improved varieties of backyard poultry birds (Keystone gold)

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Yield (No. of eggs /Cycle)		% Increase
						Demo	Check	
Poultry	Backyard Poultry	Keystone Gold	Subsistence Farming System	25	250 No.	195	92	103%

FLD-2: Impact of pre and post milking, Iodine and glycerin-based teat dip on prevention of mastitis in dairy cows.

Crop	Name of the technology demonstrated	Variety	Farming Situation	No of Demo	Area (ha)	Incidence of Mastitis (%)		% Increase
						Demo	Check	
Dairy cattle	Impact of pre and post milking, Iodine and glycerin based, teat dips on prevention of mastitis in dairy cows.	Dairy cows (CJ/HF)	Subsistence farming system	05	10	20%	50%	-30%