

Report of 33rd meeting of Zonal Research and Extension Action Committee

Table 1: Front Line Demonstration (FLD)

S. N.	Technology Demonstrated	No. of farmers	Area (ha)	Yield (q/ha)			Local check yield (q/ha)	% increased
				Highest	Lowest	Average		
A	Frontline demonstration on pulse crops							
1	Pigeon pea GT 105	25	5	14.68	11.15	13.30	10.23	30.01
2	Introduction of new variety of Gram GJG 3	25	5	12.75	11.50	11.89	08.60	38.26
B	FLDs on Other crops							
1	Finger millet GNN 6	25	5	15.05	13.65	14.44	10.67	35.33
2	Little millet GV 3	25	5	13.50	12.35	13.02	09.72	33.95
3	Paddy GR 17 (Sardar)	25	5	33.40	3.05	32.13	26.84	19.71
•	Horticultural pulse crops							
1	Introduction of new variety in French bean " Arka Komal ”	10	0.5	140	134	122.3	123.9	13.30
2	Introduction of new variety in French bean "Arka Suvidha"		0.5	135	127	131.8	117.6	12.14
•	Horticultural Other crops							
1	INM in okra through organic inputs	25	2.5	111	91	101.56	99.20	2.38
2	INM in bittergourd through organic inputs	25	2.5	83	69	77.68	75.86	2.43
•	Plant Protection							
1	Pheromone trap in pigeon pea	25	5	14.3	13.1	13.37	10.16	31.66

2	Trichoderma in gram	25	5	10.8	10.2	10.47	9.38	11.62
3	Cue lure trap in bittergourd crops	20	2	87	81	84.65	78.3	8.14
4	Fruit fly trap in mango	25	5	60	55	57.48	48.48	18.73
5	Yellow sticky trap & Pheromone trap in paddy	25	5	115	104	108.56	95.68	13.47

FLDs under other schemes (Other than KVK-ICAR Budget):

Category & Crop	Thematic Area	Name of the technology	Variety	No. of Farmers	Area (ha)
Pulse crops					
Introduction of new variety of green gram GM 6 (TSP)	ICM	New variety	GM 6	50	10
Introduction of new variety of gram GJG 3 (Adaptive)	ICM	New variety	GJG 3	40	8
Horticultural crop					
Introduction of new variety in indian bean GNIB 22	ICM	New variety	GNIB 22	11	1.1

FLD on Others Enterprise: Oyster Mushroom Cultivation (Adaptive trial)

Category and crop	Thematic area	Name of technology demonstrated	No. Of farmers	No. Of Units	Average yield (Kg)/1 Kg spawn	Economics of demonstration (Rs./Kg.)			
						Gross Cost	Gross Return	Net Return	BCR
Oyster mushroom	Mushroom production	Oyster mushroom cultivation	38	38	10 kg	300	1600	1300	5.3

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/Poultry/Birds, etc)	Major parameters		% change in major parameter	Economics of demonstration* (Rs.)				Economics of check (Rs.)			
					Demo	Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					1.	Fodder management		Introduction of new variety of Fodder Sorghum " GFS 5"	20	20	336 (q/ha)	280 (q/ha)	20.00	25500	80000
2.	Nutrition management	Mineral mixture	30	30	6.4	5.4	18.51	2300	5200	2900	2.26	2200	4500	2300	2.04
1.	Nutrition management	Mineral mixture	50	50	5.9	5.0	18.0	5700	9912	4212	1.73	5300	8400	3100	1.58

N.B. : The proforma can be modified and used as per ICAR.

Table 2: On Farm Trail (OFT)

1. Sowing method in finger millet

Treatment	Technology Assessed	Yield (kg/ha)	BCR
T ₁	Farmers practices (Random throwing)	1095	3.07
T ₂	30 x 10 cm	1374	3.21
T ₃	22.5 x 7.5 cm	1530	3.57

2. Spacing management in pigeon pea

Treatment	Technology Assessed	Yield (kg/ha)	BCR
T ₁	Farmers practices (Random sowing)	942	1.88
T ₂	45 x 15 cm (Recom.)	1209	2.42
T ₃	60 x 20 cm	1296	2.59

3. Varietal assessment of Tomato in the Dang District

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T ₁	Farmers practices	302	1.81
T ₂	Gujarat Tomato 7	188	1.28
T ₃	Arka Rakshak	458	3.24

4. Possibilities of Potato cultivation in The Dangs district (Assessment)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T ₁	Farmers practices (Gram)	10.83	2.91
T ₂	Potato crop(Kufri Badshah)	139.50	2.25

5. Management of Fruit & Shoot borer of Okra

