પરિશિષ્ટ–૧

કૃષિ વિજ્ઞાન કેન્દ્રો માટે અહેવાલ અને પ્રેઝન્ટેશનનો પ્રફોર્મા

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		
•	**Crop Production**							
1	Paddy GR 18 (Devli Kolam)	26	13	22.40	20.92	21.45	18.94	13.26
2	Little millet GNV 4	25	5	14.20	11.75	13.18	11.03	19.49
3	Finger millet GNN 9 (Gira)	25	5	12.80	10.75	12.04	9.89	21.74
4	Pigeon pea GT 105	26	5.2	13.75	12.30	13.19	10.35	27.44
5	Gram GJG 3	25	5	12.95	11.95	12.42	9.30	33.56
6	Black gram GU 3	25	5	8.20	6.85	7.51	5.44	38.02
•	**Horticulture**							
2	Mango (Kesar)	100	10	Survival rate 70-75%				
3	Indian bean GNIB 22	26	2.6	39	31	34.69	28.15	23.46
•	**Plant Protection**							
1	*Psudomonas* (Finger millet)	25	5	13.5	11	12.26	9.69	26.91
2	Pheromone trap (Paddy)	25	5	23	21	22.18	18.40	20.58
3	Fruit fly trap (Mango)	25	5	55	50	52.46	40.88	28.60

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

S. N.	Technology Demonstrated	No. of farmers	Area (ha)	Yield (q/ha)			Local check yield (q/ha)	% increased
				Highest	Lowest	Average		
•	**Crop Production**							
1	Paddy GNR 7	50	25	22.96	21.04	21.80	19.30	12.98
2	Paddy GNR 9	25	12	22.50	20.72	21.63	18.98	13.94
•	**Horticulture**							
1	Mango (Kesar)	100	10	Survival rate 70-72%				
2	Mango (Kesar)	60	6	Survival rate 70-75%				
3	Mango (Sonpari)	40	4	Survival rate 67-72%				
•	**Extension Education**							
1	Napier grass Coimbtour 3	25	1.25	9.57	8.15	8.86	7.60	17.42

FLD on Other Enterprise

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg/1 kg spawn)		% change in yield	Economics of demonstration (Kg/1 kg spawn)			
					Demo	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
Plat protection	Mushroom production	Mushroom	125	125	8 kg	-	-	300	1600	1300	5.3

FLD on Livestock

Sr. no.	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters lit/cow/day		% 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.	Nutrition management	Mineral Mixture	30	30	8.4	7.2	16.67	5600	2300	3300	2.43	4600	2200	2400	2.09

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

Table 2: On Farm Trail (OFT)

1. Varietal assessment of finger millet (3rd year)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmers Practices (Local varieties)	8.51	2.81
T_2	GNN 8	10.48	3.00
T_3	CFMV 2 (Gira)	12.54	3.59

2. Varietal assessment of chickpea (2nd year)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmer variety (Local Varieties)	9.91	3.30
T_2	GJG 6	13.43	3.78

3. Varietal assessment of Indian bean in the Dangs district (2nd year)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmers practices (Katargam)	28.25	1.95
T_2	GNIB 21 (2014)	31.75	2.24
T_3	GNIB 22 (2017)	33.25	2.34

4. Varietal assessment of Brinjal in the Dangs district (1st year)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmers practices (Palanpuri)	180.83	1.98
T_2	GNRB 1	195.16	2.16

5. Assessment of management of Fruit & Shoot borer in Okra (3rd year)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmers practice	130	3.66
T_2	Installation of Pheromone trap	143	3.69
T_3	Spray Azadirachtin (Neem oil based) 1500 ppm	145	4.08

6. Assessment of pheromone trap for the management of fruit & shoot borer in Brinjal (2nd year)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmers Practices	157.16	3.17
T_2	Installation of pheromone traps @ 40 traps/ha (AAU,Anand)	170.83	3.41
T_3	Remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)	172.33	3.69

7. Use of Chelated minerals in the diet of crossbred HF cows (2nd year)

Treatment	Technology Assessed	Yield (Lit/day)	BCR
T_1	Farmer's practice – feeding of locally available feeds and fodders	6.0	2.10
T_2	T_1 + Chelated minerals @ 30 gm/cow/day for 120 days	7.3	2.40
T_3	T_1 + T_2 + Bol. Fenbendazol @ 5-7.5 / kg body weight	7.8	2.55

8. Effect of Fresh Azolla as a Feed Supplementation on Milk Yield and Fat Percentage in Dairy Cattle (1st year)

Treatment	Technology Assessed	Yield (Lit/day)	BCR
T_1	Farmer's practice – feeding of locally available feeds and fodders	7.5	2.62
T_2	T_1 + 1.5kg fresh Azolla/day/cattle as nutrient supplement for 90 days	8..3	3.26

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

Table 3: Farmers' problems/Farmers' feedback/Researchable issues etc.

S.N.	Farmers' problems/Farmers' feedback//Researchable issues etc.
1.	Demand for trustable indigenous varieties of paddy higher among farmers.
2.	Farmers want rabi groundnut varieties.
3.	GR 18 (Devli colam) is popular among farmers community due to their excellent quality.
4.	Fruit fly trap in mango give excellent control.
5.	Need NAU hybrid in Okra.
6.	GNIB 22 gave higher yield and become popular among the farmers.
7.	Need variety in okra and Bitter gourd which suitable for Natural Farming and give comparable yield against hybrid variety.
8.	Supplementation mineral mixture can lead to better reproductive efficiency & reduced calving interval.

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