

## Report of 32<sup>nd</sup> 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		
<b>A</b>	<b>Frontline demonstration on pulse crops</b>							
1	Pigeon pea GT 105	25	5	15.02	12.45	13.63	10.54	29.32
2	Introduction of new variety of Gram GG 5	25	5	11.90	10.50	11.34	8.40	35.00
3	Promotion of less water consuming nutri cereal crops	10	1	12.40	9.60	10.79	7.65	41.05
<b>B</b>	<b>FLDs on Other crops</b>							
1	Paddy- GNR 6	25	5	29.20	26.90	28.03	23.59	18.77
2	Finger millet- GNN 8	25	5	11.40	9.15	10.21	8.22	24.18
3	Littel millet- GV 3	25	5	11.20	9.25	10.22	7.49	36.27
•	<b>Horticultural pulse crops</b>							
1	Introduction of new variety of indian bean "GNIB 22"	25	2.5	42	35	36.64	26.44	38.98
•	<b>Horticultural Other crops</b>							
1	Introduction of new germplasm of Aloe vera " INGR 13043"	10	0.1	407000 Nos. Daughter plant	296000 Nos. Daughter plant	344100 Nos. Daughter plant	-	-
2	Introduction of promising mango variety "Kesar"	20	1.0	Survival rate of graft on farmers field is 80-85%				
•	<b>Plant Protection</b>							
1	Fruit fly trap	5	2	50	47	48.2	36.8	31.12
2	Pseudomonas fluorescence For IDM in Finger millet	25	2.5	10.4	9.9	10.12	8.35	21.23

3	Pheromone trap in Paddy	25	5	26.7	25.1	26.04	23.96	8.77
4	Trichoderma in Gram	25	05	11.6	10.5	11.16	9.27	20.46
5	Cue lure trap in cucurbitaceous crops	20	2	91	87	88.4	69.85	26.61
6	Pheromone trap & Yellow sticky trap in Okra	25	5	98	92	94.92	84.4	12.49
•	<b>Home Science</b>							
1	Kitchen garden	35	-	55	89	85	30	183.33

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

Category & Crop	Thematic Area	Name of the technology	Variety	No. of Farmers	Area (ha)
<b>Pulse crops</b>					
Introduction of new variety of Gram GG 5	ICM	New variety	GG 5	30	6
Introduction of new variety of green gram GM 6 (TSP)	ICM	New variety	GM 6	15	2.25
Introduction of new variety of green gram GM 6 (CFLD)	ICM	New variety	GM 6	50	20
<b>Horticultural crop</b>					
Introduction of new variety in Turmeric GNT 2	ICM	New variety	GNT 2	08	0.16
<b>Plant Protection</b>					
Fruit fly Trap for Mango Fruit fly	IPM	Fruit fly	Mixed	250	50

### FLD on Others Enterprice: 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	Other parameters		Economics of demonstration (Rs./demon.)			
						Demo	Check	Gross Cost	Gross Return	Net Return	BCR
Oyster Mushroom	Mushroom Production	Oyster Mushroom cultivation	25	25	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	Other parameter		Economics of demonstration* (Rs.)				Economics of check (Rs.)			
					lit/cow/day			Dem	Check	Gross Cost	Gross Return	Net Return	BCR ** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
<b>Dairy cow (KVK regular)</b>																	
1.	Fodder management	Introduction of new variety of Fodder Sorghum " CSV 21 F"	20	20	327 (q/ha)	270	21.11	-	-	2600	8175	5575	3.14	2900	6750	3850	2.32
2.	Nutrition management	Bypass fat	30	30	9	7.5	20.00	-	-	4000	11150	7150	2.78	3350	8950	5600	2.67
3.	Nutrition management	Mineral mixture	30	30	6.4	5.4	18.51	-	-	2300	5200	2900	2.26	2200	4500	2300	2.04
<b>Dairy cow (Adaptive trial)</b>																	
1.	Nutrition management	Bypass protein	30	30	8.2	7	17.14	-	-	4000	9800	5800	2.45	3350	8100	4750	2.41
2.	Nutrition management	Mineral mixture	30	30	6.3	5.5	14.54	-	-	2300	5400	3100	2.34	2200	4600	2400	2.09

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 <sub>1</sub>	Farmers Practices (Random throwing)	945	2.64
T <sub>2</sub>	30 x 10 cm	1194	2.78
T <sub>3</sub>	22.5 x 7.5 cm	1320	3.08

**2. Spacing management in pigeon pea**

Treatment	Technology Assessed	Yield (Kg/ha)	BCR
T <sub>1</sub>	Farmers Practices (Random sowing)	947	1.89
T <sub>2</sub>	45 x 15 cm (Recom.)	1097	2.19
T <sub>3</sub>	60 x 20 cm	1210	2.42

**3. Varietal assessment of Turmeric during Kharif season in the Dangs**

Treatment	Technology Assessed	Yield (Kg/ha)	BCR
T <sub>1</sub>	Farmers practices	15750	1.29
T <sub>2</sub>	Gujarat Navsari Turmeric 1	18800	1.56

**4. Varietal assessment of Tomato in the Dang District**

Treatment	Technology Assessed	Yield (Kg/ha)	BCR
T <sub>1</sub>	Farmers practices	29800	1.81
T <sub>2</sub>	Gujarat Tomato 7	20050	1.38
T <sub>3</sub>	Arka Rakshak	45500	3.23

**5. Control of wilt in Gram**

Treatment	Technology Assessed	Yield (Kg/ha)	BCR
T <sub>1</sub>	Farmers practice	941	3.02
T <sub>2</sub>	Seed Treatment of <i>Trichoderma viride</i>	1163	3.49

**6. Effect of supplementing mineral mixture and concentrate on body growth performance in calves**

Treatment	Technology Assessed	Yield (Kg)	BCR
T <sub>1</sub>	Framer's practice (n=10)	62.8	1.78
T <sub>2</sub>	Feeding of 15 gm mineral mixture + deworming (Bol. Fenbendazole (7.5 mg/kg B. weight, Oral) (n=10)	65.4	1.73
T <sub>3</sub>	Feeding of 15 gm mineral mixture + deworming (Bol. Fenbendazole (7.5 mg/kg B. weight, Oral) + Concentrate feeding @ 1% body weight (n=10)	67.6	1.5

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

