

25.1 Approval of the minutes of 24th Scientific Advisory Committee meeting

The action taken report on the minutes of 24th SAC meeting held on 11-02-2025 at KVK, Waghai are as follow:

24.2.1	To conduct training on farm pond (<i>Jal kund</i>)	Training conducted of farm pond at bhapkhal with 35 Farmers (16/09/2025)
24.2.2	To provide exposure to farmers of summer Finger millet cultivation at KVK, Waghai	Summer finger millet cultivation at waghai farm was visited by a total of 552 farmers.
24.2.3	To conduct FLD on Scientific bee keeping.	FLD given to 21 beekeepers & A Memorandum of Understanding (MoU) was signed on 8th August, 2025 between the Krishi Vigyan Kendra, Navsari Agricultural University, Dangs, Sahyadri Honeybee Enterprise & Self Help Groups of Dang district.
24.2.4	Create awareness about use of biochar in Agriculture.	Training conducted of biochar at KVK, Waghai with 30 Farmers (10/06/2025)
24.2.5	Create awareness about pest & disease management in major vegetable crops of The Dangs District.	A total of 48 participated in sponsored on campus training, 27 participated in sponsored off campus training, and 30 participated in regular on campus training.
24.2.6	To conduct the training on organized marketing system.	Sponsored Training Off Campus of Marketing Strategies for Millet Crops with 48 Farmers (11/12/2025) & 1 TV talk “ <i>Khet utpadanoni vechan vyavstha</i> ”
24.2.7	To create awareness of vegetable seedling/craft prepared through robot machine	FLD was conducted with 10 beneficiaries.
24.2.8	To check the feasibility of new crops in The Dangs District.	Starting FLD on Sunhamp Seed Production, Given FLD to 25 Farmers of Barkhandhya

25.2: Review of work done during the period of January- 2025 to December-2025

Thrust area

Dangs is basically a forest dominated rainfed area with high rainfall. It has hilly and undulating terrain, scattered plots with negligible area under irrigation. The infrastructure facilities like road transports, marketing *etc.* are very poor. Besides, most of the population is tribal which are economically poor.

The Major thrust areas are as under:

- ✚ Increase productivity of the major field crops, fruits and vegetables by introduction of new technologies
- ✚ Increasing milk production by dissemination of latest technology
- ✚ Management of natural Resources (Soil and water conservation)
- ✚ Empowerment of tribal women for sustaining livelihood
- ✚ Popularization of suitable farming system and value addition
- ✚ Protected cultivation and high-tech agriculture
- ✚ Integrated farming system

- ✚ Farm mechanization
- ✚ Introduction of new crops like sunflower, bajra, strawberry, pineapple, tuber crops, etc.
- ✚ Decrease cost of cultivation by use of available resource
- ✚ Preparation of Bio-pesticide and Bio-fertilizer in home base
- ✚ Adopted mulching practices for decalcify of evaporation
- ✚ Use turmeric powder in small injury in livestock
- ✚ Feeding drumstick in milch animal
- ✚ Preparation of natural pesticide & fertilizer in home base.

A. Training achievements: (January-2025 to December-2025)

1. On campus trainings:

Discipline	Target	No. of courses	No. of Participants		
			Male	Female	Total
Crop Production	05	09	213	26	239
Horticulture	05	15	961	201	1162
Plant Protection	05	07	67	127	194
Animal Science	04	06	70	174	244
Home Science	00	01	0	25	25
Extension Education	04	05	102	53	155
Total	23	43	1413	606	2019

2. Off campus trainings:

Discipline	Target	No. of courses	No. of Participants		
			Male	Female	Total
Crop Production	05	06	87	81	168
Horticulture	05	09	924	201	1125
Plant Protection	05	06	128	29	157
Animal Science	04	04	76	131	207
Home Science	00	02	25	93	118
Extension Education	04	05	108	61	169
Total	23	32	1348	596	1944

3. Sponsored trainings (on & off campus):

Discipline	Target	No. of Courses	No. of participants		
			Male	Female	Total
Crop Production	04	09	180	274	454
Horticulture	04	10	259	169	428
Plant Protection	04	08	150	145	295
Animal Science	04	07	66	169	235
Home Science	00	04	131	60	191
Extension Education	04	06	183	163	346
Total	20	44	969	980	1949

Sponsored: ATMA, FTC, DWDA, AKRSP, Sevadham Trust, Dept. of Agriculture, Horticulture, Animal Husbandry etc.

4. Vocational training programmes for Rural Youth:

Discipline	Period	Training title	Identified thrust area	Target	Archivment	No of participants		
						Male	Female	Total
Crop Production	20 to 24/12/2025	Production of azolla	Production of organic inputs	01	01	4	28	32
Horticulture	20 to 24/12/2025	Preparation of Cow based product	Rural Craft	01	01	2	18	20
Plant Protection	09-13/09/2025	Preparation of neem based pesticides	Production of Organic inputs	01	01	0	25	25
Animal Science	3-4 &6-7/11/2025	Scientific goat farming	Income generation by imparting skill training	01	01	31	27	58
Home Science	17/12/2015 to 21/12/2025	Nutri-rich flour preparation from finger millet and little millet	Income generation activities for empowerment of rural Women	00	01	0	31	31
Extension Education	31-10-2025 to 06-11-2025	Preparation of Bamboo products	Rural Craft	02	02	0	33	33
	24-11-2025 to 28-11-2025	Preparation of Value Added Products from Small Millets	Value Addition			0	27	27
Total				06	07	37	189	226

5. In Service Training

Discipline	Period	Training title	Identified thrust area	Target	Archivment	No of participants		
						Male	Female	Total
Horticulture	30-12-2025	Kitchen garden	Household food security	01	01	8	10	18
Plant Protection	17,18/04/2025	Pest & Disease management in Kitchen Garden	Integrated Pest Management	01	01	0	34	34
Animal Science	24-11-2025	Clean milk production for communities	Management in farm animals	01	01	0	25	25

Home Science	27-11-2025	Basic Nutrition Care for Mothers and Children	Women & Child care	00	01	0	30	30
Extension Education	18,19-04-2025	Creative pretension in Extension profession and time management	Group Dynamics and farmers organization	01	01	0	24	24
Total				04	05	8	123	131

Grand Total of Trainings (1 to 5)	Target	No. of Courses	Male	Female	Total
	76	131	3775	2494	6269

B. Frontline Demonstrations:

Performance of Frontline demonstrations (Rabi 2024, Kharif, Summer-2025)

Frontline demonstration on pulse crops:

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration* (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR* (R/C)
						High	Low	Average						
Crop Production														
Pigeon pea	ICM	New variety	GT 105	26	5.2	12.30	33.75	13.19	10.35	22.44	20000	65950	45950	3.30
Gram	ICM	New variety	GJG 3	25	5	11.95	12.95	12.42	9.30	33.56	16000	57132	41132	3.57
Black gram	ICM	New variety	GU 3	25	5	8.20	6.85	7.51	5.44	38.02	20000	52598	32598	2.63

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

FLDs on Other crops (Kharif 2025):

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)
						H	L	Av.						
Crop Production														
Finger millet	ICM	New variety	CFMV 2	20	4	13.00	11.40	12.34	10.49	17.64	14000	50594	36594	3.61
Paddy	ICM	New variety	GR 18	30	15	24.90	20.88	22.32	18.99	17.54	23000	46872	23872	2.04
Little millet	ICM	New variety	GV 4	20	4	12.70	10.05	11.92	10.24	16.41	14000	41720	27720	2.98
Horticultural other crops (2025)														
Mango	ICM	New variety	Kesar	100	10	Survival rate 70-75%								

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)			Check	% Change in Yield	Economics of demonstration* (Rs./ha)			
						Demo					Gross Cost	Gross Return	Net Return	BCR** (R/C)
						H	L	Av.						
Indian bean	ICM	New variety	GNIB 22	26	2.6	39	31	34.69	28.15	23.46	41923.08	76323.08	34400	1.82
Plant Protection (2024-25)														
Bittergourd	IPM	Fruit fly trap	Local varieties	25	5	92	87	89.76	79.32	13.24	60000	206448	146448	3.4
Mango	IPM	Fruit fly trap	Local varieties	25	5	55	50	52.46	40.88	28.60	61000	241408	180408	3.95
Paddy	IDM	<i>Pseudomonas</i>	Local varieties	25	5	23.2	19.8	21.92	18.35	19.52	23100	46048.8	22948.8	1.99

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Note: Production of only healthy fruits (Undamaged fruits) records.

ICM: Intrigretd Crop Management

IPM: Intrigreted Pest Manegement

FLD on Livestock (Rabi, Summer-2025):

Category	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	Other parameter		Economics of demonstration* (Rs.)				
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Dairy cow (KVK regular)														
1.	Nutrition management	Mineral Mixture	30	30	8.4	7.2	16.67	-	-	2300	5600	3300	2.43	
2.	Fodder management	CSV21F Fodder sorghum	20	20	308 (q/ha)	267 (q/ha)	15.36	-	-	23000	77000	54000	3.34	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

FLD on Other Enterprise: (Rabi-2025):

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area/Unit (ha)	Yield (Kg/ha)		% change in yield	Economic	
					Demo	Check		Gross Cost	Net Profit
Plant Protection	Mushroom production	Oyster mushroom cultivation	125	125	8 kg/ 1 kg spawn	-	-	300	
	Bee keeping	Bee hives of Apis melifera	21	-	11 kg/ 1 Honey bee box	-	-	2500	

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hours/ha)		% change in major parameter	Labor reduction (Man hours/ha)			
						Demo	Check		Land preparation	Sowing	Weeding	Total
-	-	-	-	-	-	-	-	-	-	-	-	-

* 1day=8 hours & Lebour cost/day=389 Rs.

FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Ad aptive trial, (Rabi, Summer-2025):

Category & Crop	Thematic Area	Name of the technology	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield
						Demo			Check	
						High	Low	Ave.		
Crop Production										
Paddy	ICM	New variety	GNR 8	50	25	22.72	20.46	21.83	18.52	17.87
Paddy	ICM	New variety	GR 18	30	15	23.88	20.72	22.24	18.62	19.44
Paddy	ICM	New variety	PUSA 2090	4	1	27.20	25.24	26.05	20.42	27.57
Oilseed										