

KRISHI VIGYAN KENDRA BARH, PATNA
28th Extension Council Report, 2025
October- 2024 to April- 2025

1. Staff Position (Only Senior Scientist & Head and S.M.S)

S. No.	Name	Post	Specialization	Date of joining	Mobile No.
1	Dr. Reeta Singh	Sr. Sci. & Head	Home Science	09.07.2019	9931312288
2	Dr. Mrinal Verma	SMS, I/c Sr. Sci.& Head	Agril. Engineering	25.07.2007	9431266300
3	Sri Rajeev Kumar	SMS	Soil Science	12.04.2012	9122763207
4	Dr. Pushpam Patel	SMS	Horticulture	06.11.2023	9123201061
5	Smt. Sangita Kumari	SMS	Plant Breeding & Genetics	10.07.2024	7277182387

2. (A). Achievement of training program for Farmer (ON/OFF)

S. No.	Discipline	Course no.	No. of Beneficiaries					
			Others		SC/ST		Total	
			M	F	M	F	M	F
i	Home Science	02	23	06	41	13	64	19
ii	Agril. Engineering	20	465	111	83	24	548	135
iii	Soil Science	33	725	106	172	106	897	212
iv	Horticulture	16	206	91	26	64	232	155
v	Plant Breeding & Genetics	10	99	50	68	137	167	187
	Total	81	1518	364	390	344	1908	708

(B). Training Program for Rural Youth (ON/OFF)

S. No.	Discipline	Course no.	No. of Beneficiaries					
			Others		SC/ST		Total	
			M	F	M	F	M	F
i	Agril. Engineering	01	22	02	0	0	22	02
ii	Soil Science	01	04	05	16	05	20	10
iii	Horticulture	03	51	40	16	02	67	42
iv	Plant Breeding & Genetics	04	76	22	13	31	89	53
	Total	09	153	69	45	38	198	107

(C). Training Program for Extension Functionaries (ON/OFF)

S. No.	Discipline	Course no.	No. of Beneficiaries					
			Others		SC/ST		Total	
			M	F	M	F	M	F
i	Soil Science	02	190	07	07	08	197	15
ii	Horticulture	04	02	96	0	32	02	128
iii	Plant Breeding & Genetics	02	02	38	0	0	02	38
	Total	08	194	141	07	40	201	181

(D). Sponsored Training program (ON/OFF)

S. No.	Discipline	Course no.	No. of Beneficiaries					
			Others		SC/ST		Total	
			M	F	M	F	M	F
i	Home Science	01	0	0	40	10	40	10
ii	Agril. Engineering	02	48	12	16	08	64	20

iii	Soil Science	02	56	01	0	02	56	03
iv	Plant Breeding & Genetics	01	27	03	0	0	27	03
	Total	06	131	16	56	20	187	36

(E) Skill Development Training Program 2024-25

No of training	Name of QP/ Job role	Title of the training	Duration (in hrs.)	No. of participants								
				SC		ST		Other		Total		
				M	F	M	F	M	F	M	F	T
02	AGR/Q1203	Vermicompost Producer	60	33	07	0	0	11	08	44	15	59
01	AGR/Q0310	Tropical & Sub tropical	60	13	5	0	0	7	2	20	7	27
03				29	10	0	0	11	7	40	17	57

3. Special Program (October 2024 to April 2025)

S. No	Name of Program	Date of Program	Place of Program	No. of Participant
1	PM Live telecast (Kisan Samman Nidhi)	05.10.2024	KVK, Barh, Patna	67
2	Women Farmers Day	15.10.2024	KVK, Barh, Patna	56
3	World Food Day	16.10.2024	KVK, Barh, Patna	76
4	Cyber Awareness Prog.	22.10.2024	KVK, Barh, Patna	88
5	World Science Day	10.11.2024	KVK, Barh, Patna	19
6	PM- Kusum Programme	21.11.2024	KVK, Barh, Patna	71
7	Krishi Chaupal (Online)	07.12.2024	KVK, Barh, Patna	39
8	Sawal Jabab (Barsati Sabjiyon Ki Kheti)	21.12.2024	KVK, Barh, Patna (Online)	24
9	Farmer Day cum Kisan Goshthi	23.12.2024	KVK, Barh, Patna	58
10	World Pulses Day	10.02.2025	PRC, Mokama	104
11	PM Live telecast (Release of 109 varieties)	24.02.2025	KVK, Barh, Patna	84
12	World Women Day	08.03.2025	KVK, Barh, Patna	55
13	SAC Meeting	21.03.2025	KVK, Barh, Patna	22
14	Krishi Chaupal (Online)	12.04.2025	KVK, Barh, Patna	13
15	Sawal Jabab (Pryogshala Se Khet Tak)- Dhaan Ke Phasal Me Samekit Keet & Rog Prabhandhan	25.04.2025	KVK, Barh, Patna (Online)	18

i. Poshan Pakhwara 2025

Name of Program	Date of Program	Place of Program	No. of Participant		Total
			M	F	
Promoting Nutrition rich fruits & vegetable	08.04.2025	Alakh nath, Barh	08	31	39
Kitchen Gardening for Nutrition	09.04.2025	KVK, Patna	29	03	32
Millets & Nutrition Awareness	11.04.2025	KVK, Patna	03	14	17
Poshan Vatika	12.04.2025	KVK, Patna	12	29	41
Nutrition management in different vegetable crops of Nutri garden.	15.04.2025	KVK, Patna	34	03	37

4. Front Line Demonstration

(A) Front Line Demonstration

Crop	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs. /ha)				*Economics of check (Rs. /ha)			
			Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Barley (DWRB-137)	07	02	43.47	35.56	22.47	32466.7	80413.7	47946.7	1.47	32483.3	65798.3	33315	1.02
Onion (NHRDF Red-3)	23	01	308.86	283.14	9.18	82213.0	370643.0	288430.4	4.50	77965.2	283147.8	205182.6	3.63
Bitter Gourd (Pusa Do Mausami)	30	01	152.82	130.78	-	61270.0	183380.0	122110.0	2.99	66333.0	156936.0	90602.7	2.37
Cauliflower (Sabour Agrim)	10	01	177.37	151.35	-	80525.0	354740.0	274212.0	4.40	88930.0	302700.0	213770.0	3.41
Nutri- Kit	60	100m ²	1.48	-	-	614.10	2216.0	1602.0	3.61	-	-	-	-
Nutri- Kit	60	100m ²	1.31	-	-	576.29	1958.0	1381.0	3.52	-	-	-	-

(B) Cluster Front Line Demonstration, 2024-25

Crop	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs. /ha)				*Economics of check (Rs. /ha)			
			Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard (RH-725 & RH 761)	758	300	19.9	13.2	26.12	31992	96766	64774	3.02	28874	76719	47844	2.66

5. Climate Resilient Agriculture Program

(A) Physical Target and Achievement (Summer- 2025)

Crop	Technology demonstrated	No. of Farmers	Area (acre)	Yield (q/ha)		% Increase	Economics of demonstration (Rs. / ha)				Economics of check (Rs. /ha)			
				Demo	Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Green Gram (IPM 2-3)	ZTD	260	260	Crop standing										

(B) Physical Target and Achievement (Rabi 2024-25)

Crop	Name of Technology	Average Grain Yield (q/ha)		% increase (yield)	Cost of Cultivation (Rs/ha) *		Gross Return (Rs/ha)		Net Return (Rs/ha)		B:C Ratio**	
		Demo	Local check		Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check
Wheat	ZT	46.5	37.8	23.02	36700	38200	105787.5	85995	69087.5	47795	2.88	2.25
Maize	RB	82.4	70.4	17.05	52600	54200	183340	156640	130740	102440	3.49	2.89
Mustard	LS	17.8	15.6	14.10	32400	29100	100570	88140	68170	56940	3.10	2.82
Lentil	ZT	17.1	14.2	20.42	28200	29400	109867.5	91235	81667.5	61835	3.90	3.10

Lathyrus	ZT	18.8	15.4	22.08	24400	25200	51230	41965	26830	16765	2.10	1.67
Potato (K Chipsona)	RB	274	235.8	11.57	85400	83400	301180	259380	215780	175980	3.52	3.11
Potato (K Pukhraj)	RB	268	232.6	13.74	85800	84200	295020	255860	209220	171660	3.43	3.03
Potato (K Neelkanth)	RB	236	245.6	-4.07	85400	83600	259160	270160	173760	186560	3.03	3.23

6. Flagship programme of KVK (2024-25)

S.N.	Name of Project/ Programme	Activities	Achievement (area/no.)
1	Schedule Caste sub plan (SCSP)	Capacity Building	08/278
		Ext. Activities	02/74
		Demonstration	02/63
2	Nutri-Sensitive Agricultural Resources and Innovation (NARI)	Capacity Building	09/219
		Ext. Activities	02/18
		Demonstration	03/108
3	Natural Farming (NF)	Capacity Building	08/265
4	Malnutrition Eradication Program (MEP)	Capacity Building	10/227
		Ext. Activities	11/27
		Demonstration	07/150

7. Community Radio Station (91.2 FM)

Name of CR:	Community Radio Station, Barh, Patna	
Frequency:	91.2 M Hz	
Establishment Date:	31 st May 2011	
Total hours of transmission in a day:	07 hr.	
Coverage Area:	20 km Ariel distance	
Program Broadcast		
Program	Broadcast Duration	Broadcast Time
Krishak Manch	60	Morning
Mahila Jagat	60	
Sehat Sahi Labh Kai	30	
Bal Manch	15	
Safalta Ki Kahani	15	
Lok Rang	30	
Krishak Manch	60	Afternoon
Santulit Urwark ewm Swasthy Mitti	30	
Swasthya Charcha	60	Evening
Mahila Jagat	30	
Lok Rang Swasthya Baan	30	

8. Financial Achievement

S. No	Particulars			Amount
1	Resource Generation			10,66,633.00
2	Revenue Generation			31,71,657.00
3	Revolving Fund	Cash	119,07,248.05	1,43,72,368.05
		Kind	24,65,120.00	

9. Awards/Recognition

A. Institutional Award received by KVK

S.No.	Name of the Award	Conferring Authority	Amount	Purpose
1	1 st Prize for Best Stall Exhibition in Kisan Mela organized by KVK Jamui	-	Certificate	KVK, Jamui
2	2 nd Prize for Best Stall Exhibition in Kisan Mela organized by BAU, Sabour, Bhagalpur	-	Certificate	BAU, Sabour
3	WAVES Community Radio Content Challenge	MIB & CRA	50,000.00	National Award

B. Award received by KVK Scientist/Staff

Sl.	Name of KVK personnel	Name of the Award	Achievement	Conferring Authority
01	Dr. Reeta Singh Senior Scientist & Head	Dr. Gopal ji Trivedi Best Extension Professional Award.	Certificate & Rs. 5000	BAU, Sabour
02	Dr. Reeta Singh Senior Scientist & Head	Award Received for Revolving Fund Development	Certificate	ICAR-ATARI, Patna
03	Dr. Reeta Singh Senior Scientist & Head	Award received for Revolving Fund for more than One Crore	Certificate	BAU, Sabour
04	Dr. Reeta Singh Senior Scientist & Head & Sri Akhilesh Kumar, PA (Computer)	Award received for Maximum Uploading of Activities to Portal	Certificate	BAU, Sabour
05	Dr. Reeta Singh Senior Scientist & Head & Sri Akhilesh Kumar, PA (Computer)	3 rd Award received for Kisan Sarathi Farmers Registration	Certificate	BAU, Sabour

C. Award received by Farmers of Patna district

Sl.	Name of the Farmer	Name of the Award	Address	Achievement	Conferring Authority
01	Smt. Sangeeta Kumari	Best Farmers	Athmalgola	Certificate	BAU, Sabour
02	Sri Ramjit Sharma	State Millionaire Farmer of India Award 2024	Bikaram	Certificate	ICAR-IARI, Pusa New Delhi

D. Seed Production (October 2024 - April 2025)

Crop	Variety	Area (ha)	Class	Production (q)
Paddy	R. Sweta	3.79	C/S	148.8
Soyabean	P-1241	0.68	T/L	0.9
Finger millet	A-404	0.10	T/L	0.7
Wheat	DBW-187	3.0	F/S	96.0
Mustard	RH-761	2.62	T/L	37.4
Lentil	IPL-316	2.90	C/S	45.48
Field pea	IPFD 10-12	0.10	T/L	0.8
Chickpea	S. Chana-1	3.49	C/S	34.8
Lathyrus	Ratan	1.10	T/L	7.14
Potato	UC Map	0.88	T/L	152.0
Potato	Bari Aalu	0.01	T/L	2.0
Potato	K. Neelkanth	0.01	T/L	2.5

Potato	K. Leema	0.01	T/L	2.4
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E. On Farm Trial 2024-25
OFT- 01 (Agril. Engg.)

1	Title	Assessment of sowing of lentil by different machines in tilled field condition
2	Problem diagnosed	In Patna district Lentil is cultivated in an area of 46135 ha and the productivity is 12.9 q/ha (Potential yield 15-20q/ha). Still the sowing method of the pulses is broadcasting resulting low yield. Therefore, an attempt to address this problem On Farm Trial has been designed to increase the productivity and profitability in pulses production adopting mechanization.
3	Technological option	Farmers Practice: - Sowing of Lentil by broadcasting and mixing by cultivator Technology option I: Sowing of Lentil by Multi crop Planter in Tilled Condition Technology option II: Sowing of Lentil by Seed Drill in Tilled Condition
4	Source of Technology	CIAE, Bhopal & PAU, Ludhiana
5	Replication	07
6	Production system and thematic area:	Farm Mechanization
7	Performance of the technology with performance indicators	Technical Parameter -Germination, Plant Population (No. of plant/m ²), Field Capacity (ha/h) Economic Parameter -Grain yield (q/ha), Straw yield (q/ha), Gross Cost (Rs/ha), Gross return (Rs/ha), Net Return (Rs/ha), Benefit Cost ratio.

Performance of the technology with performance indicators

Technology	Germination (%)	No. of Plant/m ²	Machine Field Capacity (ha/h)	Grain Yield (q/ha)	Straw yield (q/ha)	Cost of Cultivation	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
Farmers Practice	65.67	316.32	-	16.26	39.67	35800	112385	76585	2.14
T1	85.26	157.26	0.34	15.92	33.43	30350	108953	78603	2.59
T2	82.39	249.31	0.46	14.29	34.01	31850	98625	66775	2.10
SEm(±)	1.11	6.38	-	0.21	0.86	-	1401	1401	0.04
CD (p=0.05)	3.45	13.91	-	0.63	2.58	-	4366	4366	0.13
CV (%)	5.53	9.27	-	8.60	10.12	-	10.5	10.0	9.83

Final recommendation for micro level situation: The result revealed that using Multi crop Planter for sowing of Lentil in tilled field condition the net return was Rs 78603 per ha with BC ratio 2.59 and 0.34 ha/hr field capacity of the machine. In case of sowing lentil by Seed drill the net return obtained Rs 66775 per ha with BC ratio 2.1 in spite of higher field capacity 0.46 ha/hr of machine.

OFT- 02 (Agril. Engg.)

1	Title	Assessment of different threshing method of Pigeon pea
2	Problem diagnosed	Low efficiency of farm labourer due to drudgery involved in Pigeon pea threshing and winnowing operation leads to higher cost and less profitability.
3	Technological option	Farmers Practice: - Manual Threshing Technology option I: Threshing by wire loop paddy thresher followed by manual winnowing Technology option II: Threshing by wire loop paddy thresher followed by winnowing in multi crop thresher
4	Source of Technology	ICAR-IARI, Delhi & KVK Barh (Local source)

5	Replication	07
6	Production system and thematic area:	
7	Performance of the technology with performance indicators	Economic Parameter - Grain yield (q/ha), Gross Cost (Rs/ha), Gross return (Rs/ha), Net Return (Rs/ha), Benefit Cost ratio.

Performance of the technology with performance indicators

Technology	Grain Yield (q/ha)	Straw yield (q/ha)	Cost of Cultivation			Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
			Common	Technology wise	Total			
FP	18.40	43.81	34700	28000	62700	152051	89351	1.43
T1	18.40	43.81	34700	20900	55600	152051	96451	1.73
T2	18.40	43.81	34700	13800	48500	152051	103551	2.14

No of Labour in Farmers Practice- 70

No of Labour in TO1 – 45

No of Labour in TO2 - 28

Final recommendation for micro level situation: Use of Wire loop thresher for removing pod of pigeon pea and threshing by thresher resulted higher net return Rs 103551/ha and 2.14 BC ratio as compared to other method of threshing of pigeon pea. It has also been observed that in farmers practice the number of labour required is too much (70 per ha) as compared to mechanizing the pod removal by wire loop thresher and threshing by beating (45 per ha). In case of removal of pod by wire loop thresher and threshing by thresher, the labour required little bit of 28 per ha keeping all the parameters constant.

OFT- 03 (Soil Science)

Title of OFT - Improvement of Nitrogen use efficiency in Rice

Problem diagnoses: Excessive use of chemical fertilizer and spiraling price of urea leads to increase in cost of cultivation

1. Details of technology selected for assessment/refinement

Farmers practice : RDF (N:P: K: 100:40:20 Kg/ha)

Technological option I : 50% RDN and 100%PK + Nano urea @4 ml/lit water (single spray at pre flowering stage)

Technological option II : 50% RDN and 100%PK +2 spray of Nano urea at (25-30 days) and (60-65 days) @4 ml/lit water

2. Source of technology : BAU, Sabour, Bhagalpur

3. Production system and thematic area: Rice- Wheat cropping system & Integrated Nutrient Management

4. Performance of the technology with performance indicators

Technological options	No of tiller/m ²	No of effective tiller/m ²	Panicle length (cm)	No of grain/ panicle	1000- grain weight (g)	grain yield (q/ha)	straw yield (q/ha)
Farmers practice (RDF i.e N:P:K::100:40:20 Kg/ha)	249.27	206.89	18.125	128.87	22.62	53.57	81.43
50% RDN and 100%PK + Nano urea @4 ml/lit water(single spray at pre flowering stage)	234.00	194.21	15.25	117.25	20.62	41.13	62.52

50% RDN and 100%PK +2 spray of Nano urea at (25-30 days) and (60-65 days) @4 ml/lit water	243.75	202.31	16.25	125.87	21.75	48.49	73.71
SEM $\pm$	10.96	7.61	0.20	4.29	0.32	1.22	2.82
CD(p=0.05)	23.46	16.28	NS	9.18	NS	2.61	6.03
CV (%)	18.09	15.13	5.02	13.84	5.92	10.23	15.54

2. Economics of paddy cultivation under different nitrogen management practices

Technological options	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
Farmers practice (RDF i.e N:P:K::100:40:20 Kg/ha)	44800	140848	96048	3.14
50% RDN and 100%PK + Nano urea @4 ml/lit water (single spray at pre flowering stage)	42200	108150	65950	2.56
50% RDN and 100%PK +2 spray of Nano urea at (25-30 days) and (60-65 days) @4 ml/lit water	43400	127498	84097	2.93

5. Pre sowing soil nutrient status:

pH- 7.1, EC- 0.06, OC%- 0.56, Av N- 285.3, Av P₂O₅-12.6, Av K₂O- 154.2, DTPA extractable Fe-12.4 ppm, Mn- 11.2 ppm, Zn-0.34 ppm, Cu- 0.25ppm

6. Post harvest soil nutrient status: pH – 7.4, E.C -0.08, Organic carbon% - 0.66, Available N- 275.6Kg/ha, Available P₂O₅ -11.7Kg/ha, Available K₂O- 150.6 Kg/ha, DTPA extractable Fe-12.04 ppm, Mn-12.5 ppm, Zn-0.40 ppm, Cu- 0.22 ppm

7. Final recommendation for micro level situation: Application of nano urea either one or two spray does not increase the yield level up to application of recommended dose of fertilizer and the yield reduction is about 12.44 and 5.08 q/ha in single and two application of nano urea, respectively. It is therefore recommended that before large scale recommendation it must be tested on the experimental stations.

8. Process of farmers participations:

Farmers actively participated in the programme.

OFT- 04 (Soil Science)

Title: Assessment of soil application of Sulphur on Growth, yield and economics of Mustard

Problem diagnosed: In Patna district mustard is cultivated in an area of 7170 ha and the productivity is 7.9 q/ha. The soil of the Patna district (60%) is deficient in sulphur. Therefore an attempt to address this problem On Farm Trial has been designed to increase the productivity and profitability in mustard cultivation.

1. Details of the technology selected for assessment / refinement

Farmers Practice: RDF i.e 80:40:40 N:P₂O₅:K₂O

(Source of technology – BAU, Sabour, Bhagalpur)

Technology option I: RDF + Bentonite sulphur @20Kg/ha + seed dressing with Azotobacter @5ml /Kg seed

(Source of technology – DRMR, Bharatpur, Rajsthan)

Technology option II: RDF + Bentonite sulphur @20Kg/ha + seed dressing with PSB @5ml /Kg seed

(Source of technology – DRMR, Bharatpur, Rajsthan)

1. Production system and thematic area: Maize- Mustard- Green Gram cropping system & Integrated Nutrient Management
2. Performance of the technology with performance indicators

Technological options	No.of branch /Plant	No of Siliqua/ branch	1000- Seed weight (g)	grain yield (q/ha)
Farmers Practice: RDF i.e 80:40:40 N:P ₂ O ₅ :K ₂ O	15.66	235.73	6.44	14.26
Technology option I: RDF + Bentonite sulphur @20Kg/ha + seed dressing with Azotobacter @5ml /Kg seed	19.67	256.58	6.59	17.82
Technology option II: RDF + Bentonite sulphur @20Kg/ha + seed dressing with PSB @5ml /Kg seed	18.05	247.00	6.55	16.78
SEM ±	0.69	9.02	0.01	0.48
CD(p=0.05)	1.48	19.29	0.01	1.02
CV(%)	15.60	14.63	0.53	15.66

Economics of paddy cultivation under different nitrogen management practices

Technological options	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
Farmers Practice: RDF i.e 80:40:40 N:P ₂ O ₅ :K ₂ O	31100	80583	49484	2.59
Technology option I: RDF + Bentonite sulphur @20Kg/ha + seed dressing with Azotobacter @5ml /Kg seed	32290	100711	68424	3.12
Technology option II: RDF + Bentonite sulphur @20Kg/ha + seed dressing with PSB @5ml /Kg seed	32525	94778.75	62254	2.91

1. Pre sowing soil nutrient status:

pH- 7.3, EC- 0.09, OC%- 0.52, Av N- 288.3, Av P₂O₅-13.6, Av K₂O- 175.4, Av S -12.2 ppm, DTPA extractable Fe-11.4 ppm, Mn- 12.2 ppm, Zn-0.38 ppm, Cu- 0.25ppm

2. Post harvest soil nutrient status: pH – 7.4, E.C -0.16, Organic carbon % - 0.56, Available N- 275.6 Kg/ha, Available P₂O₅ -14.7Kg/ha, Available K₂O- 169.2 Kg/ha, Av S – 11.6DTPA extractable Fe- 12.04 ppm, Mn-12.5 ppm, Zn-0.40 ppm, Cu- 0.22 ppm

3. Final recommendation for micro level situation: application of Bentonite Sulphur@ 20 Kg/ha & Seed dressing with Azotobacter@ 5 gm/kg seed increase the yield of Mustard significantly i.e 17.82 q/ha whereas application of Bentonite sulphur @ 20 Kg/ha and seed dressing with PSB @ 5 ml/ Kg seed also gave positive result and yield obtained is 16.78 q/ha which is significantly higher than the Farmer practice (14.26 q/ha) where only recommended dose of NPK was applied.

OFT- 05 (Horticulture)

1	Title	Assessment of bio-fertilizer on growth and yield of Mango (cv. Amrapali)
2	Problem diagnosed	Poor flowering and fruit set
3	Technological option	Farmers Practice: - 50 Kg FYM per plant Technology option I: Arka mango special spray 5gm/lit (two times) Time of foliar spray: First spray- October- November Second spray- February - March Technology option II: ½ dose of RDF (N:P:K:: 500:250:250 gm/tree) + 50 Kg FYM + Azospirillum culture (250g/tree) Time of application: August - September
4	Source of Technology	IIHR, Bengaluru and AICRP, Sabour
5	Replication	10
6	Production system and thematic area:	Integrated nutrient management
7	Performance of the technology with performance indicators	i. Technical indicator: Numbers of fruits per plant, Fruit weight (g), Yield/plant (kg) ii. Economic indicator (cost of cultivation, gross return, net return, B:C ratio) iii. Farmer perception

8	Constraints identified	
9	Process of Farmer Participation	
8	Constraints identified	
9	Process of Farmer Participation	
Result		Ongoing

F. Extension Activities (October 2024 to April 2025)

Nature of Extension Activity	No. of activities	Total		
		Male	Female	Total
Field Day	02	34	14	48
Kisan Ghosthi	02	59	33	92
Lectures delivered as resource persons	06	187	36	223
Advisory Services	18	137	14	151
Scientist visit to farmers field	18	154	17	171
Diagnostic visits	10	36	02	38
Exposure visits	02	57	43	100
Agriculture Knowledge Prog.	01	10	21	31

A. Other Extension Activities (October 2024 to April 2025)

Nature of Extension Activity	Number
News Paper Coverage	76
Radio Talk	04
TV Talk	02
Krishak Samachar	1000

B. Training program to be organized (May 2025 to September 2025)

(A). Practicing Farmers

S. N	Subject	No. Training	Total
1	Home Science	10	250
2	Agricultural Engg.	18	521
3	Soil Science	25	683
4	Horticulture	15	394
5	Plant Breeding & Genetics	08	248
Total		66	1846

(B) Rural Youth

S. N	Subject	No. Training	Total
1	Home Science	04	125
2	Agricultural Engg.	03	75
3	Soil Science	09	215
4	Horticulture	04	100
5	Plant Breeding & Genetics	04	110
Total		20	500

(C) Extension Functionary

S. N	Subject	No. Training	Total
1	Home Science	01	25
2	Agricultural Engg.	0	0
3	Soil Science	05	100
4	Horticulture	03	72
5	Plant Breeding & Genetics	05	115
Total		13	287

C. On Farm trial 01 (To be conducted in Kharif)

1	Title	Assessment of bio-fertilizer on growth and yield of Mango (cv. Amrapali)
2	Problem diagnosed	Poor flowering and fruit set
3	Technological option	Farmers Practice: - 50 Kg FYM per plant Technology option I: Arka mango special spray 5gm/lit (two times) Time of foliar spray: First spray- October- November Second spray- February - March Technology option II: ½ dose of RDF (N:P:K:: 500:250:250 gm/tree) + 50 Kg FYM + Azospirillum culture (250g/tree) Time of application: August - September
4	Source of Technology	IIHR, Bengaluru and AICRP, Sabour
5	Replication	07
6	Production system and thematic area:	Integrated nutrient management
7	Performance of the technology with performance indicators	i. Technical indicator: Numbers of fruits per plant, Fruit weight (g), Yield/plant (kg) ii. Economic indicator (cost of cultivation, gross return, net return, B:C ratio) iii. Farmer perception
8	Constraints identified	
9	Process of Farmer Participation	
8	Constraints identified	
9	Process of Farmer Participation	

On Farm trial 02

1	Title	Assessment of Different Mulching Material in Mango (cv. Amrapali).
2	Problem diagnosed	Heavy weed infestation leads Poor flowering
3	Technological option	Farmers Practice: - No mulching/Litter fall of tree Technology option I: Mulch with same tree leaves (Thickness of mulch-15-20cm) Technology option II: Mulch with paddy straw (Thickness of mulch-15-20cm) Technology option III: Mulch with Tephrosia leaf (Thickness of mulch-15-20cm)
4	Source of Technology	IIHR (2021)
5	Replication	07
6	Production system and thematic area:	Resource conservation technology

7	Performance of the technology with performance indicators	i. Technical indicator: Numbers of fruits per plant, Fruit weight (g), Yield/plant (kg) ii. Economic indicator (cost of cultivation, gross return, net return, B:C ratio) iii. Farmer perception
8	Constraints identified	
9	Process of Farmer Participation	

D. Frontline Demonstration

(A) Frontline demonstration to be conducted 2024 (Rabi)

Sl. No	Season	Crop	Variety	Area (ha)	No. of Demo
1	Kharif	Boron & Zinc	-	1.0	10
2	Kharif	Okra	Arka Nikita	1.0	30
3	Kharif	Zinc (Paddy)	-	8.0	20

E. Seed to be produced at KVK, farm 2025 (Kharif)

S. No.	Crop	Variety	Class	Area (ha)
1.	Paddy	R. Sweta	C/S	3.0
2.	Urd	IPU-13-01	C/S	0.68
