

KRISHI VIGYAN KENDRA, KATI HAR

Progress Report (October 2022 – March, 2023)

❖ Staff Position (Only Senior Scientist & Head & S.M.S) :

S.N.	Name	Post	Specialization	Date of Joining	Mobile No.
1.	Dr. Reeta Singh	Senior Scientist & Head	Home Science	09.07.2019	9931312288
2.	Dr. K.P. Singh	SMS	Horticulture	10.06.2009	7277157539
3.	Smt. Nandita Kumari	SMS	Home Science	23.07.2001	9432202695
4.	Dr. Sushil Kumar Singh	SMS	Agronomy	15.06.2009	9430113988
5.	Sri Pankaj Kumar	SMS	Ext. Education	16.11.2009	9304333390
6.	Smt. Sweeti Kumari	SMS	Agromet	24.09.2018	8051460991

1. Achievement of Training Programme :

A. Training programme for Practicing Farmers/Farm women/ Rural Youth/ Extension functionaries:

Discipline	No. of Courses	No. of Participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production	21	440	11	451	63	29	92	34	24	58	537	64	601
Horticulture	16	249	61	310	28	12	40	9	3	12	286	76	362
Home Science	14	20	260	280	2	89	91	9	35	44	31	384	415
Extn. Education	18	340	60	400	34	18	52	42	39	81	416	117	533
Total	69	1049	392	1441	127	148	275	94	101	195	1270	641	1911

❖ **Sponsored training programme**

Sl. No.	Training programme	Duration	No. of Participants	Sponsoring agency
1	Poshan Abhiyan Cum Plantation Drive	17.09.2022	51	IFFCO
2	Bamboo craft training Programme	05.11.2022	40	Bharat Jyoti
3	Kisan Mela cum Exhibition	14.11.2022	94	ATMA, Katihar
4	Kisan Vani Programme on International Women's day	03.03.2023	29	AIR, Purnea
5.	Bihar Diwas	22.03.2023	40	ATMA, Katihar

Special Days celebrated:-

Sl.No.	Date	Activity	No. of Participants
1.	12.08.2022	Azadi ka Amrit Mahotsav	45
2.	07.09.2022	Poshan Saptah	38
3.	15.10.2022	International Women Farmer Day	43
4.	17.10.2022	Pradhan Mantri Kisan Samman Sammelan	300
5.	18.10.2022	Swachhta Programme	36
6.	19.10.2022	Swachhta Programme	61
7.	05.12.2022	World Soil Day	77
8.	27.02.2022	Awareness Programme on Pradhan Mantri Kisan Samman Nidhi Programme	51
9.	21.03.2023	First KVK establishment Day cum International Forestry Day	46
10.	22.03.2023	Bihar Diwas	40

Awards :

A. KVK Award

Sl.No.	Institution	Award
1.	KVK, Katihar	First award at Krishi Vividhikaran Stall at BAU Kisan Mela 2023
2.	KVK Katihar, BPSAC Purnea, KVK Supaul, KVK Araria (One district one product)	First award at BAU Kisan Mela 2023

B. Farmers Award

Sl.No.	Name	Award
1.	Sri Sushil Kumar Singh	Best Farmer Award during Kisan Mela 2023 at BAU, Sabour
2.	Sri Panch Lal Mandal	Get First Prize in Tomato & Beet in Horticultural Exhibition during Kisan Mela 2023 at BAU, Sabour

Soil samples analyzed:

Number of soil samples analyzed	No. of Farmers Benefitted	No. of Villages
128	110	29

RAWE Programme

Sl. No.	No of students	Name of University/College	Duration
1.	16	B.P.S.A.C., Purnea	31.09.2022 to 11.01.2023
2	10	B.P.S.A.C., Purnea	10.02.2023 to till date

TSP Activities

Sl. No.	Items	No. of tribal family benefited
1.	Sprayer	80
2.	Chicks (Vanraja)	60

OFTs

Sl. No.	Title of OFT	Technology Option	Result
1	Assessment of Different Kinds of preservatives (Vinegar) for increasing Shelf life of mushroom pickles.	Farmer practices: - No use of chemical preservative Technological Option I- use of Apple vinegar Technological Option II- use of Jamun vinegar	Result awaited
2	Improvement of nitrogen use efficiency in wheat	FP : RDF (100:40:20 N:P:K) kg/ha TO₁ : 50% RDN& 100 % PK + Nano urea	Result awaited

		@ 4ml/lit.water (Single spray at 35 DAS) TO₂ : 50% RDN& 100 % PK + 2 spray of Nano urea at 35 DAS and 60-65 DAS Nano urea @ 4ml/lit. water	
3	Integration of fertilizer in different form on yield of lentil	FP : Seed treatment +RDF TO₁ : 50% RDF +WS 18:18:18 @ 5gm/liter water (single spray at flowering stage) TO₂ : Seed treatment with PSB+Rhizobium, 50% RDF +WS 18:18:18 @ 5gm/liter water (single spray at flowering stage)	Result awaited
4	Assessing the Extension Education Methods for awareness and use of Soil Health Card.	To ₁ : Farmers having SHC with Training Literature To ₂ : Farmers having SHC with Training Literature To ₃ : Farmers having SHC with Training Literature and Customized Social Media Advisory	Result awaited

Achievement of Front Line Demonstrations:

Crop	Thematic area	Name of the technology demonstrated	No. of Farmers	Area(ha)	Yield (q/ha)		% increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Cauliflower	Vegetable Production Technology	Seed (Sabour Agrim)	10	03	175	148	15.42	86320	28000	193680	2.24	81210	236800	155590	1.91

Brinjal	Vegetable Production Technology	Seed (PH 6)	10	01	326	241	13.80	95281	456400	361119	3.70	80405	337400	256995	3.19
Paddy	INM	Bio fertilizer (Azotobacter & P.S.B.)	10	4	40.85	32.05	27.45	28300	65360	37060	2.30	26500	43920	17420	1.66
Paddy	ICM	Seed (Sabour Ardhal)	10	4	40.05	32.60	22.85	26700	64080	37380	2.40	26000	52160	26160	2.01
Fodder Sorghum	FP	Seed (CSV33 MF)	10	4	696.5	539.65	16.93	26500	139300	112800	5.25	22600	80947	58347	3.58
Weedicide	IWM	Pendimethlin	10	4	Crop standing in Field										

CFLD on Pulse and Oilseed Crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area	Yield (q/ha)		% increase	Economics of Demonstration (Rs/ha)			Economics of Check (Rs/ha)		
					Demo	Check		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
Soya bean	Oilseed Production	Seed var. Animika, Seed Treatment (Carbedazim& Imidachloprid Rhizobium) INM (Multi micronutrients), IWM(Pendimethalin) & Bio fertilizer(P.S.B.)	50	20	17.45	13.32	31	68928	44328	2.8	52614	30114	2.34
		Seed var. Pant Sweta, Seed Treatment,(carben dazim) INM(Multi micronutrients), IWM(Pendimethalin) & Bio fertilizer(P.S.B.)	50	20	13.47	10.22	24.12	68023	46523	3.16	51611	31961	2.62
Green gram	Pulse Production	Seed var. IPM 205-7 ,Seed, Treatment,(Carben dazim) INM(Multi micronutrients), IWM(Pendimethalin)	50	20	--								
Blackgram	Pulse Production	Seed var. KPU 07-08 Seed, Treatment,(Carben dazim) INM(Multi micronutrients), IWM(Pendimethalin)	50	20	--								

Krishi Mausam Seva:

- No. of Blocks Agromet advisory bulletin published - **16**
- No. of advisory bulletin published - **48**
- Advisory prepared in both languages: **Hindi and English.**
- Farmers awareness programme- **01**
- No. of farmers receiving Agromet advisory bulletin through social media- **8500**

Achievements of Natural Farming

Category	No. of programme	No. of participants
Awareness Programme	10	980
Training	01	40
Demonstration	08	08
Total	19	1028

Climate Resilient Agriculture (CRA)

Kharif season (2022-23) Result

Crop	Variety	Technology	Target area (acre)	Achieved area (acre)	Grain Yield(Q/ha)		Net Return		B:C Ratio	
					Demo	Local Check	Demo	Local Check	Demo	Local Check
Paddy	Arize 6444Gold, 27P31, 27P37, Arize 6129 Gold, Arize Tej Gold, MC 13 , MR 8383, Swarna Sub -1	DSR	400	405	48.64	37.12	75724	70677	3.48	2.87
	PAC 8744, BB 11, Rajendra Bhagwati	AWD	15	15	46.39	36.18	65387	47607	3.24	2.81
	MTU 7029, Rajendra Sweta,	FD& WH	15	15	42.65	37.23	58806	49749	3.09	2.89
	MR 8383, Swarna Sub -1, BB 11	INM	15	15	43.25	37.14	60080	49565	3.13	2.88

Maize	P3377,DKC 7074, DKC 9144,PAC 751	Raised bed	90	90	74.14	65.23	100141	84480	3.60	3.25
Pigeon pea	P 9	Raised bed	13	13	Crop Standing in field					
Sorghum	CSV -15	Raised Bed	4	4	28.62	23.65	45534	32987	2.36	2.02
Foxtail millet	SIA 3156	Line sowing	15	16	12.75	10.13	22149	14842	2.28	1.90
Finger millet	CFMV-1	Line sowing	12	13	21.65	18.25	50612	40330	3.25	2.89
Pearl millet	HHB 272	Raised bed	8	8	32.16	24.36	48860	33210	3.08	2.54
Groundnut	JL 24	Raised Bed	4	04	15.38	12.52	50559	35886	2.45	2.07
Soybean	P-1241	Raised Bed	4	04	17.2	13.14	43340	29403	2.76	2.31
Total			595	602						

CRA Rabi 2022-23

S. No.	Crop name	Name of the Variety	Intervention	Area (acre)	
1.	Maize	P3355, ADV 757, DKC 9081, P3388, NK 7720	Raised bed	490 (Demo)	Result awaited
2.	Wheat	HD 2967, DBW 187, DBW 303, DBW222, HD 2733	Raised bed/ Zero tillage	94	
3.	Potato	K. Khyati, K. sinduri, K. Jyoti	Raised bed	10	
4.	Mustard	RH-749	Zero tillage	20	
5.	Chickpea	RVG-202	Raised bed	5	
6.	Lentil	IPL-316	Zero tillage	5	
TOTAL 624					

CRA Summer Plan 2023

S. No.	Crop name	Name of the Variety	Intervention	Area (acre)
1	Greengram	IPM 205-07, Shikha	Zero tillage	212
2	Jute	JBO 2003	Zero tillage	20
3	Sunflower	PAC 334	Raised bed	8
4	Dhaincha			10
Total 250				

Long- term CRA trial at KVK, Farm

Sl.No.	Cropping System	Area (acre)
1	Paddy- Wheat- Green gram	0.25
2	Paddy- Wheat- Green gram	0.25
3	Paddy- Wheat- Green gram	0.25
4	Paddy- Wheat	0.25
5	Paddy- Wheat- Green gram	0.25
6	Paddy- Maize- Green gram	0.25
7	Paddy- Mustard	0.25
8	Paddy- Wheat- Green gram	0.25
9	Paddy- Wheat- Green gram	0.25
10	Paddy- Wheat- Green gram	0.25

KVK Farm

Sl. No.	Crop	Season	Area (ha)	Quality of seed	Production (qt)
1.	Paddy	Kharif	2.5	CS	99.00

Other Extension Activities:

Nature of Extension Activity	No. of activities	Total
Film Show	04	210
Kisan gosthi	9	265
Advisory Services	01	1156
Scientist visit to farmers field	29	658
Farmers visit to KVK	2168	2168
Exposure Visit	06	264

Status of Revolving Fund

Balance as on 31.03.2023	Kinds in hands	Total
26,26,935.44	9,56,000.00	35,82,935.44

Proposed Action Plan

(April 2023 to September 2023)

Training Programme:-

A. Training of Practicing Farmers/ Farm Women

Sl. No.	Discipline	No. of training Programme proposed	No. of Farmers
1.	Agronomy	09	270
2.	Extension Education	09	270
3.	Home- Science	10	300
4.	Horticulture	06	180

B. Training for Rural Youth

Sl. No.	Discipline	No. of training Programme proposed	No. of Farmers
1.	Agronomy	02	50
2.	Extension Education	02	50
3.	Home- Science	02	50
4.	Horticulture	02	50

C. Training for Extension Functionaries

Sl.No.	Discipline	No. of training Programme proposed	No. of Farmers
1.	Agronomy	03	75
2.	Extension Education	03	75
3.	Home- Science	03	75
4.	Horticulture	03	75

D. Vocational Training Programme

Thematic area	Course Title	Duration (days)	Venue off/on
Food security	Role of Millets in providing food security among Rural women	1	ON/OFF
Seed Production	Seed production of paddy	1	ON/OFF
Planting material Production	Techniques of Graft , gouty	1	ON/OFF
Seed Production	Seed Production technique of Potato	1	ON/OFF
Vermi culture	Vermi compost production	1	ON/OFF

Beekeeping	Entrepreneurship Development through Beekeeping	1	ON/OFF
Income generation	Income generation through Mushroom Production, Value addition of Agricultural Products and other small scale enterprises	1	ON/OFF
TOTAL		7	

Seed production at KVK Farm

Crop	Variety	Area(ha)
Wheat	HD-2967	2.0
Makhana	Sabour Makhana-1	1.8

Planting material production

Crop	Population
Mango	1000
Guava	1000
Litchi	1000
Vegetable seedling	50000

Frontline Demonstration

Sl. No	Season	Crop	Variety	Area in ha.	No. of Demonstration
1.	Kharif	Finger Millet (Ragi)	CFMV-1	4	10
2.	Kharif	Foxtail Millet (Kauni)	SIA-326	4	10
3.	Kharif	Pearl Millet (Bajra)	HHB-272	4	10
4.	Kharif	Proso Millet (China)	TNAU-151	4	10
5.	Kharif	Azolla		4	10
6.	Kharif	Mushroom (Milky White)			25
7.	Kharif	Mobile SD Card			30
Total				20	105

OFT -1 Horticulture

S.N.	Topic	Description
1.	Title	Assessment of Bio control Agent for management of Panama Wilt in Banana
2.	Problem Diagnose	Heavy loss in Banana due to Panama wilt disease in Katihar district
3.	Thematic area	IDM
4.	Detail the technology selected for assessment / refinement	FP – Tissue culture plants TO1 – ICAR Fusicont TO2 - Sabour Trichoderma 1
5.	Source of technology	BAC, Sabour
6.	Replication	10
7.	Plot Size	0.4ha
8.	Technical indicator	Disease%, Yield in q/ha
9.	Economic Indicator	Net Return, Net Profit, BC ratio

OFT -2 Horticulture

S.N.	Topic	Description
1.	Title	Assessment of fruit bagging in Guava for quality improvement
2.	Farming Situation	Irrigated
4.	Experiment Design	RBD
5.	Detail the technology selected for assessment / refinement	FP- No Bagging TO ₁ – Cellophane bag cover TO ₂ - Paper bagging
6.	Replication	OFT Workshop at BAU, Sabour, Bhagalpur
8.	Observation Parameter	Days to maturity, Fruitfly damage in %, Disease incidence in %, Physical damage in %, Fruit weight in gm, Appearance, Pulp colour, Shelf life in days

Extension Activities

Name of Extension Activities	No.	Participants
Field Day	8	280
Kisan Ghosthi	3	280
Exhibition	2	200
Farmers Seminar	1	100
Workshop	1	150
Scientific visit to farmers field	85	850
Farmers visit to KVK	3500	3500
Exposure visits	2	100
Ex-trainees Sammelan	2	70
Self Help Group Conveners meetings	2	80
Celebration of important days	5	250
