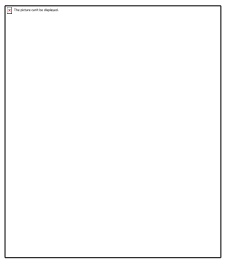
KRISHI VIGYAN KENDRA

ARARIA (BIHAR)

ANNUAL REPORT

(January- 2021 to December- 2021)



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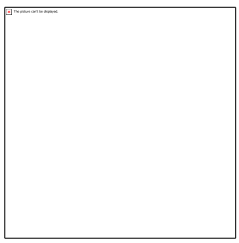
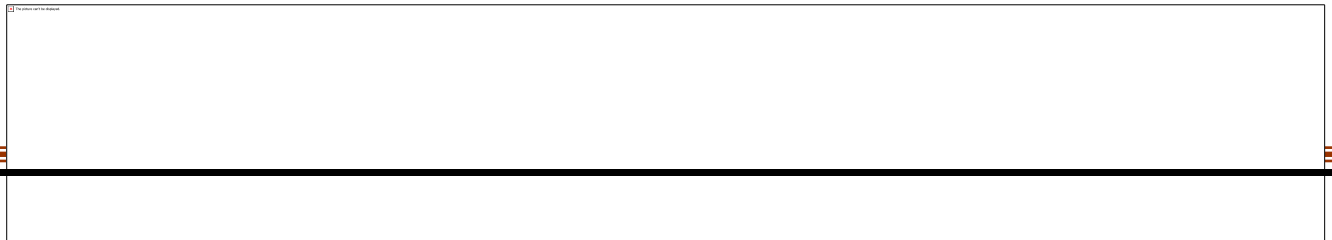
ICAR-ATARI, Patna,  **(Zone-IV)**

BIHAR AGRICULTURAL UNIVERSITY

SABOUR, BHAGALPUR-813210



PROFORMA FOR ANNUAL REPORT 2021 (1st January- 31st December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
KVK, Araria Near Araria Court Railway Station.	8540033893		Arariaakvk@gmail.com

1.2 .Name and address of host organization with phone, fax and e-mail

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Bihar Agricultural University Sabour, Bhagalpur	0641-2452611	0641-2452611	Deebausabour@gmail.com

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Vinod Kumar	KVK, Araria	9431645217	Arariaakvk@gmail.com

1.4. Year of sanction of KVK: 2004

1.5. Staff Position (**as on 31st December 2021**)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Dr. Vinod Kumar	Senior Scientist & Head	Extension Education	Level-13(A)	10./07/2021	Permanent	Gen.
2.	Subject Matter Specialist	Sri. Sanjeet Kumar (Study Leave)	SMS	Plant Pathology	Level-10	13.06.2009	Permanent	Gen.
3.	Subject Matter Specialist	Dr. Ratnesh Kumar Choudhary	SMS	Animal Science	Level-10	11.04.2012	Permanent	OBC
4.	Subject Matter Specialist	Vacent	-	-		-	-	-
5.	Subject Matter Specialist	Vacent	-	-		-	-	-
6.	Subject Matter Specialist	Vacent	-	-		-	-	-
7.	Programme Assistant	AftabAlam	Programme Assistant(LT)	-	Lavel-6	05.11.2012	Permanent	OBC
8.	Computer Programmer	AmitAnand	Programme Assistant(Computer)	-	Lavel-6	07.05.2013	Permanent	OBC
9.	Farm Manager	Manish Kumar	Farm Manager	-	Lavel-6	03.11.2012	Permanent	Gen.
10.	Accountant / Superintendent	Ravi Mohan Kumar	Assistant	-	Lavel-6	22.4.2013	Permanent	Gen.
11.	Stenographer	Gautam Kumar Nirala	Stenographer	-	Level-4	18.06.2013	Permanent	OBC

12.	Driver	Rakesh Kumar Ranjan	Driver	-	Level-3	09.05.2015	Permanent	OBC
13.	Driver	Ashok Gauswami	Driver	-	Level-3	25/05/2015	Permanent	OBC
14.	Supporting staff	Gautam Kumar	Supporting Staff	-	12000-fix/month		Contractual	OBC
15.	Supporting staff	ChhediLal Yadav	Supporting Staff	-	12000-fix/month		Contractual	OBC

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	5.00
3.	Under Crops	
4.	Orchard/Agro-forestry	4.00
5.	Others with details	
	Total	10.00

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					√			ICAR
2.	Farmers Hostel					√			ICAR
3.	Staff Quarters (6)					√ (5)			ICAR
4.	Piggery unit								

5	Fencing					partial	450		ICAR
6	Rain Water harvesting structure								
7	Threshing floor					√			ICAR
8	Farm godown					√			
9.	Dairy unit								
10.	Poultry unit								
11.	Goatry unit					√			ICAR
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16	Others, Please Specify								

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2005	4,40,525	319536 total km run from date of	15 years completed & Condemned

			purchase	
Tractor	2005	3,34,500	4123Hours	15 years completed & Condemned
Motorcycle 1	2015	60000	21905KM	In working condition
Motorcycle 2	2015	60000	20407KM	In working condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Carrot Juicer/Vegetable Juicer	2012-13	21000	Good	ICAR
Vikas Atta Chakki	2012-13	9000	Good	ICAR
Crown Corking Machine	2012-13	8500	Good	ICAR
P.P. Cap Sealing Machine	2012-13	9000	Good	ICAR
Fruit Mill	2012-13	16000	Good	ICAR
Vacuum Bottle Filling Machine	2012-13	24500	Good	ICAR
Dehydrator	2012-13	65000	Good	ICAR
Pulper	2012-13	16000	Good	ICAR

Auto Clave	2012-13	62500	Good	ICAR
Laminar Air Flow	2012-13	59871	Not in working conditions	ICAR
Lug Cap Sealer	2012-13	8900	Good	ICAR
Packing Machine 12”	2012-13	2838	Good	ICAR
BOD	2012-13	68089	Not in working conditions	ICAR
Wet Grinder 3 Litre Capacity	2012-13	13500	Good	ICAR
b. Farm machinery				
c. AV Aids				
Desktop/UPS/Laptop	2016	92906	Good	BAU, Sabour
Projector with tripod projector screen + Wi-Fi dongle (Projector Not working)	2016	52000	Not in working conditions	BAU, Sabour
Xerox Machine	2016	57142	Good	BAU, Sabour
Camera (Cannon)	2016	29600	Good	BAU, Sabour
Video Camera (Sony)	2016	82871	Good	BAU, Sabour
Sound System(AHUJA) 200 watts , Mike	2016	33936	Good	BAU, Sabour
CCTV Camera (Not working)	2016	23625	Good	BAU, Sabour
LED TV Panasonic	2016	27200	Good	BAU, Sabour
Hard disk (1 TB)	2016	5600	Good	BAU, Sabour

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Zero tillage machine	2005	-	Not in Working condition	ransferred from RAU, usa
Zero tillage machine (2 Nos)	2006	-	Not in Working condition	ransferred from RAU, usa
Disc Harrow	2005	25500	Not in Working condition	RKVY
Cultivator	2005	12100	Not in Working condition	ICAR
Cultivator	2012	-	Good	RKVY
MB Plough	2005	25500	Good	ICAR
Leveler	2008	9000	Good	ICAR
Rotavator	2011	-	Good	RKVY
Wheat Thresher	2012	-	Not in Working condition	RKVY
Mobile Seed Processing Plant	2014	-	Not in working conditions	Transferred from BPSAC, Purnea
Zero Tillage Machine	2017	60000	Good	
Happy Seeder (2 Nos)	2020		Good	BAU, Sabour
Zero Tillage Machine	2020		Good	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	08/07/2021	33	Pkkj fnuksa ds vanj 12 oha oSKkfud lykgdkj lfefr fd cSBd dk Proceeding eq[;ky; Hkstuk lqfuf'pr djsaA	Action taken	
2					
3			,d ekg ds vanj e[kkuk cht mRiknu ds fy;s Wetland area dk C;ksjk eq[;ky; Hkstk tk;A ¼vuqikyukFkZ & lqJh dqekjh jkfxuh ;ax izksQsluy II, Jh vt; dqekj ;ax izksQsluy II, Jh vkQrkc vkye dk;ZØe lgk;d (L.T), dk;Z lEiknu ds mijkar ojh; oSKkfud ,oa iz/kku] Ñf"k foKku dsUnz] vjfj;k dks lwpukFkZ izsf"kr djsaA½	Action taken	
4			CFLD, CRAP ,oa izR;{k.k dks cksus ls iwoZ ,oa Qly dVkbZ ds mijkar feÍh tk¡p vo'; djuk gSaA	Action taken	
5			ojh; oSKkfud ,oa iz/kku ds dk;kZdky es fd;s x;s mRÑ"V dk;ksZa esa ls ,d dk;ksaZ dk MkVk vk/kkfjr lQyrk dh dgkuh cukdj eq[;ky; dks ,d lIrkg ds vanj Hkstuk lqfuf'pr djsaA	Action taken	

6			dqy okg~; izf'k{k.k dk 10 izfr'kr izf'k{k.k vkauykbu ek/;e ls vk;ksftr fd;k tk;A	Action taken	
7			'kL; foKku fo"k; dk izf'k{k.k fo"k; oLrq fo'ks"kK] ¼xzksesV½ ,oa rduhdh lgk;d CRAP ,oa ;ax izksQsluy] ck;ksVsd fdlku gc ds }kjk vk;ksftr djuk lqfuf'pr fd;k tk;A	Action taken	
8			e`nk foKku fo"k; ij izf'k{k.k MkWŒ vfuy dqekj] lgk;d izk/;kid &lg&duh; oSKkfud] e`nk flapkbZ vuqla/kku dsUnz] vjfj;k }kjk vk;ksftr djuk lqfuf'pr fd;k tk;A	Action taken	
9			ekSle vuqdqy Ñf"k dk;ZØe esa p;fur Qly dks Hkkjrh; Ñf"k vuqla/kku ifj"kn ds izR;{k.k esa lfEefyr ugha fd;k tk;A	Action taken	

2.a. District level data on agriculture, livestock and farming situation (2021)

Sl. No.	Items	Information
1	Major Farming system/enterprise	Paddy – Wheat Jute – Pulses / Rai – Maize Paddy- Potato–green gram

		Fish Culture
2	Agro-climatic Zone	North east alluvial plan of North Bihar in Kosi Zone-II
3	Agro ecological situation	Situated on longitude 87° 31’ 11” E and 26° 8’ 59” N. Climate is subtropical humid, maximum and minimum temperature 46°C and 4.0°C respectively, average annual rain fall 1440 mm.
4	Soil type	sandy to sandy loam having alluvial properties. Low lying areas have clay to clay soils.
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	(Source: http://krishi.bih.nic.in/Statistics/) i). Rice:- 2066 Kg/ha ii). Wheat:- 2577 Kg/ha iii). Maize:- 4412 Kg/ha iv). Summer moong:- 997 Kg/ha
6	Mean yearly temperature, rainfall, humidity of the district	i). Temperature:- Ranges from 7.8° C to 43.9° C ii. Rainfall:- 1440.0 MM iii). Humidity:-19 to 98%
7	Production of major livestock products like milk, egg, meat etc.	livestock wealth in no. i). Cow:- 658935. ii). Buffalo:- 276966 iii). Poultry:- 670686

Note: Please give recent data only

Source- Automatic weather station, Araria.

2.b. Details of operational area / villages (2021)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Araria	Jokihat	Bagnagar	Jute - Paddy – WheatPaddy – Pulses / Rai – Maize Dairy farming Goat farming Backyard poultry Groundnut	Unavailability of quality seeds, injudicious use of fertilizers, incidence of weeds, diseases and pests, Fungal Disease, Steam Borer,Repeat breeding,Infertility Problem,Parasitic Diarrhoea,Disease prevalent,Mastitis,Low Productivity of Milk, Kid Mortality	ICM,WM,INM, Improved seed and seed treatment, Vermiculture, Mushroom Production, Capacity Building, Value Addition, Disease management in animals,Dairy farming Goat farming,Backyard poultry
2		Araria	Bansbadi	Jute - Paddy – Wheat Paddy – Pulses / Rai – Maize Dairy farming Goat farming Backyard poultry Banana	Unavailability of quality seeds, injudicious use of fertilizers, incidence of weeds, diseases and pests, Fungal Disease,Steam Borer,Repeat breeding,Infertility Problem,Parasitic Disease prevalent,Mastitis, Low Productivity of Milk,Kid Mortality	ICM,WM,INM, Improved seed and seed treatment, Vermiculture, Mushroom Production, Capacity Building, Value Addition, Disease management in animals, Dairy farming,Goat farming,Backyard poultry
3		Forbesganj	Dak haripur	Jute - Paddy – Wheat Paddy – Pulses / Rai – Maize Groundnut	Unavailability of quality seeds, injudicious use of fertilizers, incidence of weeds, diseases and pests, Fungal infestation in jute,Steam borer in paddy Sheath blight in Paddy,Fall army worm in maize Cut worm in maize	ICM,WM,INM, Improved seed and seed treatment, Vermiculture, Mushroom Production, Capacity Building, Value Addition, Disease management in animals, IDM in Paddy,Weed Management

4		Raniganj	Bisanpur	Jute - Paddy – Wheat Paddy – Pulses / Rai – Maize Groundnut Banana	Unavailability of quality seeds, injudicious use of fertilizers, incidence of weeds, diseases and pests, Fungal infestation in jute,Steam borer in paddy,Sheath blight in Paddy,Fall army worm in maize,Cut worm in maize	ICM,WM,INM, Improved seed and seed treatment, Vermiculture, Mushroom Production, Capacity Building, Value Addition, Disease management in animals IDM in Paddy,Weed Management
5		Narpatganj	Kanehli	Jute - Paddy – Wheat Paddy – Pulses / Rai – Maize	Unavailability of quality seeds, injudicious use of fertilizers, incidence of weeds, diseases and pests, Fungal infestation in jute,Steam borer in paddy,Sheath blight in Paddy,Fall army worm in maize,Cut worm in maize	ICM,WM,INM, Improved seed and seed treatment, Vermiculture, Mushroom Production, Capacity Building, Value Addition, Disease management in animals, IDM in paddy ,Weed Management

2. c. Details of village adoption programme:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2021) for its development and action plan

Name of village	Block	Action taken for development
Bagnagar	Jokihat	-Mushroom spawn distributed among farmers/Farm women under FLD. -Training on mushroom cultivation. -Organized animal Vaccination camp. -OFT conducted on repeat breading in cross bred cow. -OFT conducted on postpartum anestrus in dairy animal. -OFT conducted on clinical mastitis in dairy animal. -FLD conducted on trio vac. Vaccine for prevention of FMD, HS & BQ. -FLD conducted on dewormer and PPR vaccination in goat.

		-Organized Swachhta Pakhwada programme. -Training on Urea treatment of paddy straw and repeat breeding problem in dairy animals. -Several kisanchoupal has been done in village. -Demonstration on lentil, Mustard, paddy, Nutrition garden has been done in village. -OFT conducted on diarrhea in cattle & Buffalo.
Bansbadi	Araria	-Training on mushroom cultivation, fish farming, Bee Keeping, Off season vegetable raising. -Organized animal Vaccination camp. -Several kisanchoupal has been done in village. -Demonstration on lentil, Mustard, paddy, Field Pea has been done in village. -OFT conducted on repeat breading in cross bred cow. -OFT conducted on postpartum anestrus in dairy animal. -OFT conducted on clinical mastitis in dairy animal. -FLD conducted on trio vac. Vaccine for prevention of FMD, HS & BQ. -FLD conducted on dewormer and PPR vaccination in goat. -Organized Swachhta Pakhwada programme. -Training on control of parasite disease in dairy animals.
Dak Haripur, sukhi, sirsiya, Rampur, Teri musahri	Forbesganj	-Several kisanchoupal has been done in village. -Demonstration on lentil, Mustard has been done in village. -OFT conducted on diarrhea in cattle & Buffalo. -Mushroom Production -CRA Progarmme
Bisanpur	Raniganj	-Mushroom spawn distributed among farmers/Farm women under FLD. -Training on mushroom cultivation. -Several kisanchoupal has been done in village.

		-Demonstration on lentil, Mustard, paddy, Field Pea has been done in village.
Kanehli	Narpatganj	-Several kisanchoupal has been done in village. -Demonstration on lentil, Mustard, paddy, Makhana has been done in village.

2.1 Priority thrust areas

S. No	Thrust area
1.	Introduction of HYV of different crops, fruits & Vegetable
2.	Integrated Nutrient Management & Integrated Disease & Pest Management
3.	Enhancing standard of living through entrepreneurship development
4.	Fish culture through feeding and nursery pond management.
5.	Livelihood security through emphasis on IFS model
6.	Dairy Management
7.	Goatery
8.	Weed Management
9.	Backyard Poultry

3. TECHNICAL ACHIEVEMENTS

3.A. Summary details of target and achievement of mandatory activities by KVK during the year 2021

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
2	2	40	2	1	0	0	33	4	35	5	40	2	1	20	0	0	0	0	0	10	0	10	10

Training											Extension activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total					SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
35	37	875	43	69	48	48	475	216	566	333	899	110	132	440	735	241	121	51	3011	808	3625	998	4623

Impact of capacity building	Impact of Extension activities

Number of Participants trained											Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)										
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
06	04	8	7	2	0	85	10	95	17	112	606	981	-	-	-	-	-	-	721	260	981

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
500	551.15	2000	1000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0	0	1000	1082

1. *** Give no. only in case of fish fingerlings**

Publication by KVKs

Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	-	-	-	-	-	-	-
Seminar/conference/ symposia papers	-	-	-	-	-	-	-
Books	1	1000	-	-	-	-	-
Bulletins	1	5000	-	-	-	-	-
News letter	3	Mass	-	-	-	-	-
Popular Articles	6	Mass	-	-	-	-	-
Book Chapter	1	Mass	-	-	-	-	-
Extension Pamphlets/ literature		-	-	-	-	-	-
Technical reports	8	Mass	-	-	-	-	-
Electronic Publication (CD/DVD etc)	-	-	-	-	-	-	-
TOTAL	16	-	-	-	-	-	-

3.1.1 Achievements on technologies assessed and refined

OFT- 1

1.	**Title of On farm Trial**	Comparative assessment of hormone (GnRH) and mineral mixture supplement for improving postpartum anestrus in cattle
2.	**Problem diagnosed**	Postpartum infertility in cattle
3.	**Details of technologies selected for assessment/refinement** **(Mention either Assessed or Refined)**	**Farmers practice:** Dewormer + Mineral Mixture supplement @ 50gm/day/cow. **TO_1:** Farmers practice + Inorganic phosphorus Inj (15ml I/M) alternate day + Vitamin AD_3 Inj. Alternate day + Micro- minerals 1 bolus for 11 days. **TO_2:** Technology Option 1 +GnRH Inj @ 5ml at the time of A.I.
4.	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	Bihar Veterinary College, Patna
5.	**Production system and thematic area**	Semi-intensive system of rearing & Disease Management.
6.	**Performance of the Technology with performance indicators**	a. No. of animals came in heat. b. No. of animals pregnant.
7.	**Final recommendation for micro level situation**	Estrus rate and conception rate in technology option II Dewormer + Mineral Mixture supplement + Inorganic phosphorus Inj. (15ml I/M) alternate day + Vitamin AD_3 Inj. Alternate day + Micro- minerals 1 bolus for 11 days + GnRH inj @ 5ml at the time of A.I. was 50% higher as compare to technology option I and Farmers' practices.
8.	**Constraints identified and feedback for research**	Lack of knowledge about reproductive disorders.
9.	**Process of farmers participation and their**	On Farm Trial and field visit and farmers' reaction was Good

	reaction	

Table: The estrus and conception rate under different technology options in postpartum anestrus cattle.

Technology options	**No. of trials**	**Estrus rate (%)**	**Conception rate (%)**
Farmers' Practice: Dewormer + Mineral Mixture supplement @ 50gm/day/cow.	**10**	**30%**	**10%**
Technology Option 1: Farmers practice + Inorganic phosphorus Inj. (15ml I/M) alternate day + Vitamin AD_3 Inj. Alternate day + Micro- minerals 1 bolus for 11 days.	**10**	**60%**	**40%**
Technology Option 2: Technology Option 1 + GnRH inj @ 5ml at the time of A.I.	**10**	**60%**	**50%**

Results:

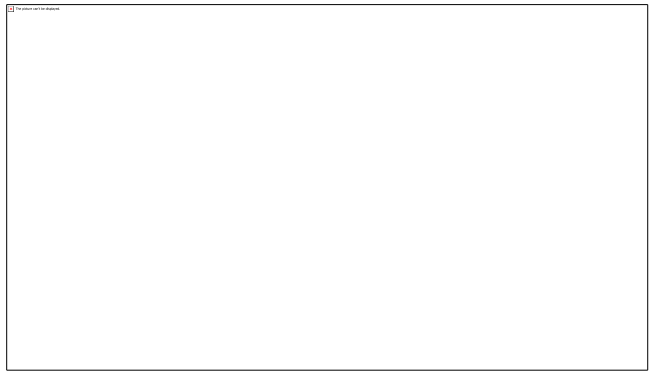
An OFT was conducted during 2021 – 2022 on Comparative assessment of hormone (GnRH) and mineral mixture supplement for improving postpartum anestrus in cattle. 30 cattle having postpartum anestrus problems were randomly divided in three groups. In Group I: Farmers' Practice**:** Dewormer + Mineral

Mixture supplement @ 50gm/day/cow, Group II: Farmers practice + Inorganic phosphorus Inj (15ml I/M) alternate day + Vitamin AD_3 Inj. Alternate day + Micro- minerals 1 bolus for 11 days. And Group III: Technology Option 1 + GnRH inj @ 5ml at the time of A.I. were categorized and taken measurements.

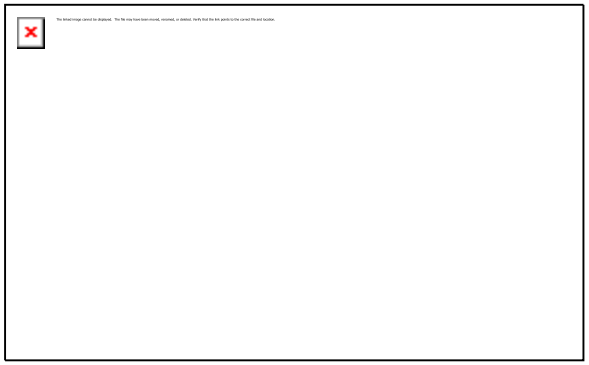
Result shows that the technology option II estrus and conception rate was recorded as 60% and 50% and in technology option I estrus rate was 60% and conception rate was recorded as 40% whereas in farmers' practice group the corresponding figure was estrus rate 30% and conception rate was recorded as 10%. Estrus rate same (60%) in technology option I and technology option II which were higher in compare to farmers' practice (30%). Conception rate was 50% higher in technology option II in compare to technology option I (40%) and farmers' practice group (10%).

Photographs:

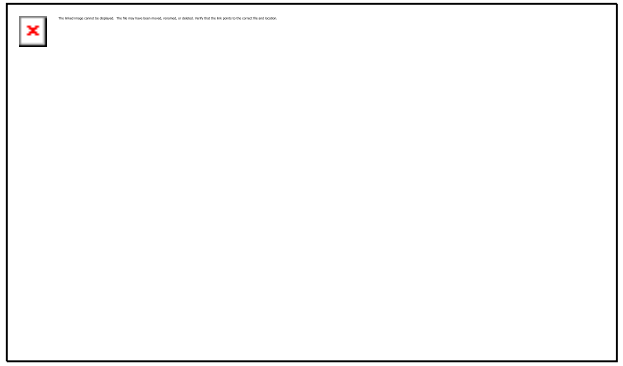
Diagnosis of Postpartum anestrus in cow



Postpartum anestrus in cross breed cow from 14 months



Cow comes in estrous after 5days completion of TO-II



Postpartum anestrus in cross breed cow from 12 months

OFT- 2

1.	**Title of On farm Trial**	Control of diarrhoea in cattle and buffalo a paste made from leaves of shisham (Dalbergia sissoo).
2.	**Problem diagnosed**	Diarrhoea in cattle and buffalo
3.	**Details of technologies selected for assessment/refinement** **(Mention either Assessed or Refined)**	**Farmers practice:** No use of ITK **Technology Option 1:** use of shisham leaf paste in diarrhea @ 105g. **Technology Option 2:** use of shisham leaf paste in diarrhea @ 105g. along with standard therapy.
4.	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	GBPUAT Pantnagar
5.	**Production system and thematic area**	Semi-intensive system of rearing & Disease Management.
6.	**Performance of the Technology with performance indicators**	No. of animals free from diarrhoea.
7.	**Final recommendation for micro level situation**	90% diarrhea check with technology option -II use of shisham leaf paste in diarrhea @ 105g. along with standard therapy.
8.	**Constraints identified and feedback for research**	Lack of knowledge and dependent on medicine only.
9.	**Process of farmers participation and their reaction**	On Farm Trial and field visit and farmers' reaction was Good

Table: Numbers of animals free from diarrhoea and treatment cost in cattle and buffalo.

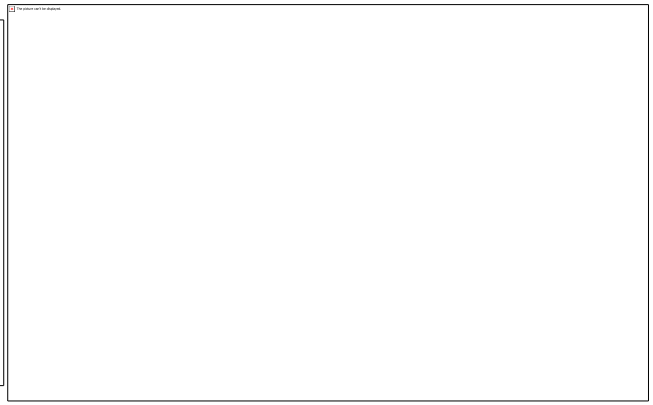
Technology options	No. of trials	No. of animals free from diarrhoea	Cost of treatment/ Animal
Farmers' Practice: No use of ITK (Used medicine)	**10**	**8**	**Rs. 450**
Technology Option 1: Use of shisham leaf paste in diarrhea @ 105g.	**10**	**5**	**Rs. 00**
Technology Option 2: Use of shisham leaf paste in diarrhea @ 105g. along with standard therapy.	**10**	**9**	**Rs. 60**

Results:

An OFT was conducted during 2021 – 2022 on Control of diarrhoea in cattle and buffalo a paste made from leaves of shisham (Dalbergia sissoo). Total 30 animals having diarrhoea problems were randomly in three trial groups. The three groups were groped in Group I: Farmers' Practice**:** No use of ITK (Used medicine), Group II: Use of shisham leaf paste in diarrhea @ 105g and Group III: Use of shisham leaf paste in diarrhea @ 105g. along with standard therapy.

Result shows that the technology option II control of diarrhea and cost of treatment was recorded as 90% and Rs. 60 and in technology option I control of diarrhea was 50% and no any cost of treatment was recorded whereas in farmers' practice group the corresponding figure was control of diarrhea was 80% and cost of treatment was recorded as Rs.450. so, we are recommended technology option II Use of shisham leaf paste in diarrhea @ 105g. along with standard therapy.

Cow free from diarrhoea with used of TO1



Cow suffering from diarrhoea used TO2

Cow suffering from diarrhoea used TO2

Cow suffering from diarrhoea farmer used medicine but after some days again started diarrhoea

3.1.2 Technology Assessed by KVK (Discipline wise)

Sl. No.	Discipline	Thematic areas	No. of the technologies (Technology Interventions)	No. of trials	No. of Locations
1.	Crop Production				

2.	Livestock	Disease Management	2	2	8
3.	Enterprises				
4.	Women Empowerment				

3.2 Achievements of Frontline Demonstrations

1. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ Demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
1.						M	F	M	F	M	F	M	F	T	
2.															
3.															
4.															
5.															

Details of farming situation

Sl.No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P_2O_5	K_2O					

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

2. Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)	% Increase	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)

		demonstrated			Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total															

* 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

Pulses

Frontline demonstration on pulse crops

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)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

	Total														

* 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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

	Total			

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Backyard Poultry	Chabro Breed	10	10	980 g (up to 9 weeks)	380 g (up to 9 weeks)	157.9	Result Awaited									
Rabbitry																	
Pigerry																	
Sheep and goat	Disease Management	PPR Vaccination	42	200	0% (Morbidity)	60% (Morbidity)	60% (Morbidity)										
Duckery																	
Others (Pl. specify)																	
Total																	

* 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

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
		Total															

* 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

Other enterprises

Category	Name of the technology	No. of Farmer	No.of units	Major parameters	% change in major	Other parameter	*Economics of demonstration (Rs.) or Rs./unit	*Economics of check (Rs.) or Rs./unit

	demonstrated			Demonstration	Check	parameter	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

* 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

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					

Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									

* 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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Dairy Animals	Estrus rate and conception rate in technology option II Dewormer + Mineral Mixture supplement + Inorganic phosphorus Inj. (15ml I/M) alternate day + Vitamin AD_3 Inj. Alternate day + Micro- minerals 1 bolus for 24 days + GnRH inj @ 5ml at the time of A.I. was 50% higher as compare to technology option I and Farmers' practices. Farmer give good feedback of this technology
2	Dairy Animals	Conception rate in technology option I Farmers' Practice + Mineral mixture @ 50g/day/Cow for 20 days + 2.5 ml GnRH (Buserelin) I/M at the time of Artificial Insemination (AI) was higher (50%) as compare to Farmers' practices and technology option II. farmers' reaction was Good
3	Dairy Animals	90% diarrhea check with technology option -II use of shisham leaf paste in diarrhea @ 105g. along with standard therapy.

4	Goat	60% PPR Morbidity check.
5	Goat	Through deworming 19% change in major parameter (Body weight gain in goat) and improved estrus rate.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	-	-	-	
2.	Farmers Training	25-19/01/2021, 14-18/09/2021, 16-19/03/2021, 04-06/10/2021	4	105	
3.	Media coverage	Jan- Dec. 2021	8	Mass	
4.	Training for extension functionaries	05-01-21,17-02-21,9-0/3/2021, 27-04-21	4	124	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif and Rabi:

1. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Green Gram	Local	6.31	760	684	789	IPM-2-14+Line Sowing + Seed Treatment	50	20	10.3	6.1	8.2			
2	Ground Nut	Local	13.08	1780	1590	1800	ICGB-00350+ Line Sowing + Seed Treatment	75	30	21.5	12.6	17.05			
3	Sesame	Local	4.45	245	235	510	RT-351+ Line Sowing + Seed Treatment	75	30	6.7	5.2	6.02			
4	Sunflower	Local	6.1	490	615	650	KBSH-41+ Line Sowing + Seed Treatment	75	30	13.6	9.2	11.12			
5	Lentil	Local	7.1	1165	1285	1800	HUL-57+ZT, Biofertilizer	40	16	Crop Standing					
6	Field Pea	Local	8.9	920	835	1175	IPFD-12-02+ ZT, Biofertilizer	15	04	Crop Standing					
7	Rapeseed	Local	8.2	945	1085	1510	R. Suflam + ZT, Biofertilizer, Sulphur	121	44	Crop Standing					
8	Linseed	Local	7.65	241	310	542	Sabour TISI-1+ ZT,	18	06	Crop Standing					

							Biofertilizer, Sulphur			

1. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	IPM-2-14+Line Sowing + Seed Treatment	17500	26200	8700	1.97	18750	45200	26450	2.41
2	ICGB-00350+ Line Sowing + Seed Treatment	22700	52320	29620	2.3	23100	68200	45100	2.95
3	RT-351+ Line Sowing + Seed Treatment	12690	2314	10450	1.8	12954	31304	18350	2.4
4	KBSH-41+ Line Sowing + Seed Treatment	28006	51251	23245	1.83	30117	62945	32828	2.9
5	HUL-57+ZT, Biofertilizer	Crop Standing							
6	IPFD-12-02+ ZT, Biofertilizer	Crop Standing							

7	R. Suflam + ZT, Biofertilizer, Sulphur	Crop Standing
8	Sabour TISI-1+ ZT, Biofertilizer, Sulphur	Crop Standing

2. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)

3. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Green Gram	Yes	Liked	Affordable	No	Yes	Variety should be bold grained and Stem rot resistant
2	Ground Nut	Yes	Liked	Affordable	No	Yes	Variety should be high yielding and charcoal rot resistant
3	Sesame	Yes	Liked	Affordable	No	Yes	Variety should be high yielding and Stem rot resistant
4	Sunflower	Yes	Liked	Affordable	No	Yes	Variety should be wilt resistant.
5	Lentil	Yes	Liked	Affordable	No	Yes	Variety should be rust resistant

6	Field Pea	Yes	Liked	Affordable	No	Yes	Variety should be high yielding and YVM resistant
7	Rapeseed	Yes	Liked	Affordable	No	Yes	Variety should be high yielding and YVM resistant
8	Linseed	Yes	Liked	Affordable	No	Yes	Variety should be high yielding and Stem rot resistant

4. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Green Gram	High yielding but no synchronous maturity.	Medium size grain with high yielding but YVM incidence in later stage.	High yielding but no synchronous maturity and YVM incidence in later stage.
Ground Nut	Suitable for spring season under irrigated condition.	High yielding with incidence of charcoal rot.	Suitable for spring season under irrigated condition.
Sesame	Suitable for spring season under irrigated condition.	High yielding with incidence of charcoal rot.	Suitable for spring season under irrigated condition.
Sunflower	Suitable for spring season under irrigated condition.	Variety needs 5 to 6 irrigations for higher yield.	Good variety but needs 5 to 6 irrigations for higher yield.
Lentil	Profusely branched	Local var. Mithkidont show profuse branching	Variety should be rust and pod borer resistant
Field Pea	Suitable for spring season under irrigated condition.	High yielding with incidence of charcoal rot.	Suitable for spring season under irrigated condition.
Rapeseed	Suitable under late sown condition after paddy harvesting	Local variety is not suitable for late condition and grains become undersized.	Variety should be bold grained and Stem rot resistant.
Linseed	Suitable for spring season under irrigated	High yielding with incidence of charcoal rot.	Suitable for spring season under irrigated

	condition.		condition.

5. Extension activities under FLD conducted:

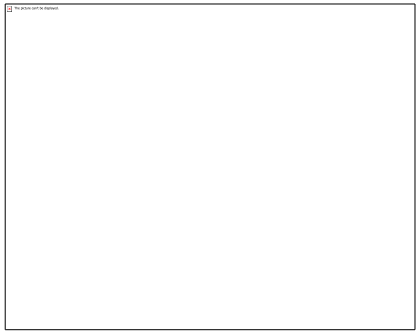
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
Green Gram	**Training**	**03/02/2021 & KVK, Araria**	**22**
Ground Nut	**Training**	**03/02/2021 & KVK, Araria**	**28**
Sesame	**Training**	**03/02/2021 & KVK, Araria**	**32**
Sunflower	**Training**	**03/02/2021 & KVK, Araria**	**29**
Lentil	**Training**	**8/11/2021 & Baharbari, 09/11/2021 & Bhansia**	**44**
Field Pea	**Training**	**8/11/2021 & Baharbari, 09/11/2021 & Bhansia**	**18**
Rapeseed	**Training**	**8/11/2021 & Baharbari, 09/11/2021 & Bhansia**	**132**
Linseed	**Training**	**8/11/2021 & Baharbar, 09/11/2021 & Bhansia**	**20**
Lentil Field Pea Rapeseed	**On campus training on package &Practices of oilseed & Pulse crop**	**1/12/2021 & KVK, Araria**	**27**

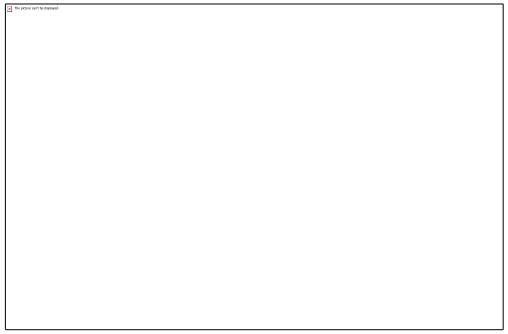
Linseed			

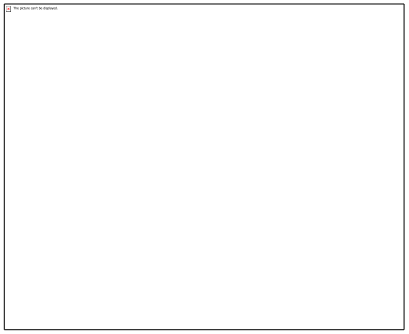
6. Sequential good quality photographs (as per crop stages i.e. growth & development)

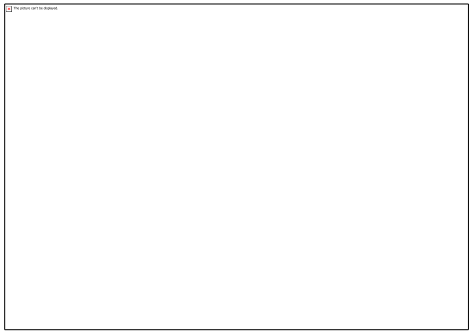
7. Farmers' training photographs

8. Quality Action Photographs of field visits/field days and technology demonstrated.









J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)

Rapeseed & Mustard	i) Critical input	237600	148400	89200
	ii) TA/DA/POL etc. for monitoring	26400	10000	16400
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	264000	158400	105600
Linseed	i) Critical input	27000	17500	9500
	ii) TA/DA/POL etc. for monitoring	3000	-	3000
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	30000	17500	12500
Sunflower	i) Critical input	54000	3500	50500
	ii) TA/DA/POL etc. for monitoring	6000	-	6000
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	60000	3500	56500
Sesame	i) Critical input	90000	2500	87500
	ii) TA/DA/POL etc. for monitoring	10000	-	10000
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	100000	2500	97500
Lentil	i) Critical input	129600	90800	38800

	ii) TA/DA/POL etc. for monitoring	14400	10000	4400
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	14400	100800	43200
Field pea	i) Critical input	32400	19800	12600
	ii) TA/DA/POL etc. for monitoring	3600	3600	-
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	36000	23400	12600

1. Achievements on Training (Including the sponsored and FLD training programmes):

1. Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	25	2	27	5	2	7	2	0	2	32	4	36
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management	1	9	2	11	0	0	0	0	0	0	9	2	1
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	4	54	10	64	0	0	0	0	0	0	54	10	4
Feed management	2	18	7	25	5	0	5	0	0		23	7	0
Production of quality animal products													
Dairy Farming	1	22	3	25	2	0	2	0	0	0	24	3	7
Others, if any Goat farming	1	13	2	15	2	0	2	0	0	0	15	2	17
V. Home Science/Women													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any Fishery	1	23	2	25	0	0	0	0	0	0	23	2	5
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**11**	**164**	**28**	**192**	**14**	**2**	**16**	**2**	**0**	**2**	**180**	**30**	**210**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Goat farming	1	6	20	26	1	3	4	0	0	0	7	23	30
Feed Management	1	16	2	18	0	0	0	0	0	0	16	2	18
Goatery	1	12	14	26	4	0	4	0	0	0	16	14	30
Rabbit farming													
Disease Management	1	21	4	25	0	0	0	0	0	0	21	4	25
Backyard Poultry	1	0	4	4	0	17	17	0	0	0	0	21	21
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	**5**	**55**	**44**	**99**	**5**	**20**	**25**	**0**	**0**	**0**	**60**	**64**	**124**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Dairy Farming	1	30	0	30	0	0	0	0	0	0	30	0	30
Disease Management	1	24	4	28	0	0	0	0	0	0	24	4	28
Household food security													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	**2**	**54**	**4**	**58**	**0**	**0**	**0**	**0**	**0**	**0**	**54**	**4**	**58**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Mushroom Production	2	8	50	58	0	0	0	0	0	0	8	50	58
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management	2	16	2	18	2	15	17	0	0	0	18	17	35

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Poultry Management													
Piggery Management													
Rabbit Management													
Goatery	4	60	36	2	2	4	22	26	48	74	84	64	148
Disease Management	4	51	17	68	5	0	5	0	0	0	56	17	73
Feed management	1	15	2	17	5	2	7	0	0	0	20	4	24
Production of quality animal products													
Backyard Poultry	1	4	0	4	0	12	0	12	0	0	4	12	16
Animal Husbandry	1	24	22	46	10	4	14	0	0	0	34	26	60
Others, if any Goat farming	2	11	4	15	0	12	12	0	0	0	11	16	27
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**17**	**189**	**133**	**322**	**24**	**49**	**73**	**38**	**48**	**86**	**251**	**230**	**481**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Disease Management	1	13	7	20	0	0	0	0	0	0	13	7	20
Goat Farming	1	0	0	0	0	0	0	24	22	46	24	22	46
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**2**	**13**	**7**	**20**	**0**	**0**	**0**	**24**	**22**	**46**	**37**	**29**	**66**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	25	2	27	5	2	7	2	0	2	32	4	36
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**1**	**25**	**2**	**27**	**5**	**2**	**7**	**2**	**0**	**2**	**32**	**4**	**36**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Mushroom Production	2	8	50	58	0	0	0	0	0	0	8	50	58
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	**2**	**8**	**50**	**58**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**50**	**58**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dairy Management	3	38	5	43	4	15	19	0	0	0	42	20	62
Dairy Farming	1	9	2	11	0	0	0	0	0	0	9	2	11
Poultry Management													
Piggery Management													
Goatery	5	73	38	11	26	28	54	0	0	0	99	66	165
Rabbit Management													
Disease Management	8	105	27	132	5	0	5	5	0	0	110	27	137
Backyard Poultry	1	4	0	04	0	12	12	0	0	0	4	12	16
Feed management	3	33	9	42	10	2	12	0	0	0	43	11	54
Production of quality animal products													
Animal Husbandry	1	24	22	46	10	4	14	0	0	0	34	26	60
Others, if any (Goat farming)	2	11	4	15	0	12	12	0	0	0	11	16	27
TOTAL	**24**	**297**	**107**	**304**	**55**	**73**	**128**	**5**	**0**	**0**	**352**	**180**	**532**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any	1	23	2	25	0	0	0	0	0	0	23	2	25
TOTAL	**1**	**23**	**2**	**25**	**0**	**0**	**0**	**0**	**0**	**0**	**23**	**2**	**25**
IX. Production of Inputs at site													
Seed Production													
Planting material production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**28**	**353**	**161**	**414**	**60**	**75**	**135**	**7**	**0**	**2**	**415**	**236**	**651**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Goat farming	1	6	20	26	1	3	4	0	0	0	7	23	30
Feed Management	1	16	2	18	0	0	0	0	0	0	16	2	18
Goatery	1	12	14	26	4	0	4	0	0	0	16	14	30
Rabbit farming													
Disease Management	1	21	4	25	0	0	0	0	0	0	21	4	25
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**5**	**55**	**44**	**99**	**5**	**20**	**25**	**0**	**0**	**0**	**60**	**64**	**124**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Disease Management	2	37	11	48	0	0	0	0	0	0	37	11	48
Goat Farming	1	0	0	0	0	0	0	24	22	46	24	22	46
Dairy Farming	1	30	0	30	0	0	0	0	0	0	30	0	30
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													

TOTAL	**4**	**67**	**11**	**78**	**0**	**0**	**0**	**24**	**22**	**46**	**91**	**33**	**124**

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Animal Science	PF	Repeat breading in dairy Animal	2	OFF	13	7	20	0	0	0
Animal Science	PF	Dairy Management & Disease Management	2	OFF	24	22	46	10	4	14
Animal Science	PF	Disease Management in Goat	2	OFF	11	4	15	0	0	0
Animal Science	PF	Management of dairy animals during summer season	2	Virtual	18	4	22	0	0	0
Animal Science	PF	Theileriosto and Tiyp	2	ON	12	2	14	0	0	0
Animal Science	PF	Pregnant & Loatcting goat Nutrition Management	2	Virtual	13	2	15	2	0	2
Animal Science	PF	Common disease in dairy animals and its preparation	2	OFF	8	0	8	3	0	3
Animal Science	PF	Round year green fodder	2	OFF	15	2	17	5	2	7
Animal Science	PF	Feed Management in of Dairy Animals	2	Virtual	11	4	15	3	0	3
Animal Science	PF	Preparation of Concertrate from locally available materials	2	Virtual	7	3	10	2	0	2

Animal Science	PF	Management of water in dairy farming and how to provide clean water during rainy season	2	OFF	16	0	16	2	0	2
Animal Science	PF	Moringa leaves used in feeding schedule at Goat	2	OFF	10	4	14	0	0	0
Animal Science	PF	Importance of deworming and vaccination in Goat	2	OFF	15	0	15	2	0	2
Animal Science	PF	Brucellosis in cattle	2	Virtual	12	2	14	0	0	0
Animal Science	PF	Ecosystem Management for Sustainable fisheries	2	Virtual	23	2	25	0	0	0
Animal Science	PF	Employment oppertuties in agriculture and animal husbandry	2	Virtual	22	3	25	2	0	2
Animal Science	PF	Management at dairy animals during mansoon season	2	Virtual	9	2	11	0	0	0
Animal Science	PF	Foot & Mouth Disease H.S it preparation and control	2	Virtual	12	2	14	0	0	0
Animal Science	PF	Commercial goat farming	2	OFF	8	0	8	20	22	42
Animal Science	PF	Management of Pregnant & Leatcting goat	2	OFF	30	24	54	0	0	0
Animal Science	PF	Importance of PPR vaccine	2	OFF	15	10	25	0	0	0
Animal Science	PF	Parthenium Management	2	ON	25	2	27	7	2	9
Animal Science	PF	PPR disease in symptoms and prevension	2	OFF	12	8	20	4	6	10

Animal Science	PF	Mushroom Production (Under CRA)	3	OFF	1	29	30	0	0	0
Animal Science	PF	Scope of agriculture and animal husbandery based self-employment in rural area	2	OFF	0	2	2	0	15	15
Animal Science	PF	Disease Management of Goat	2	OFF	0	0	0	0	12	12
Animal Science	PF	Importance of Backyard Poultry Farming	2	OFF	4	0	4	0	12	12
Animal Science	PF	Residual management through mushroom cultivation and urea treatment of Paddy	5	OFF	7	21	28	0	0	0
Animal Science	RY	Nutrition Management of lactative cow	5	ON	16	2	18	0	0	0
Animal Science	RY	Scientific Goat Farming	4	ON	6	20	26	1	3	4
Animal Science	RY	Entrepreneurship through goat farming	5	ON	12	14	26	4	0	4
Animal Science	RY	Control of parasitic Disease in Dairy Animal	3	ON	21	4	25	0	0	0
Animal Science	RY	Backyard Poultry: A Boon for rural women	2	ON	0	4	4	0	17	17
Animal Science	EF	Repeat breading in dairy Animal	1	OFF	13	7	20	0	0	0
Animal Science	EF	Scientific Goat Farming	1	OFF	0	0	0	24	22	46
Animal Science	EF	Scientific Dairy	2	ON	30	0	0	0	0	0

		Faring								
Animal Science	EF	Hemoprotozoom Disease	1	Virtial	24	4	28	0	0	0

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

**training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Milk Production	Dairy Management	11-01-21	1	PF	1	55	4	0	1	0	0	56	4	0	60	ATMA
2	Year green fodder Production	Feed Management	12-01-21	1	PF	1	55	4	0	1	0	0	56	4	0	60	ATMA
3	Integrated Farming System	IFS	08-02-21	1	PF	1	120	12	0	14	4	0	134	16	0	150	ATMA
4	Dairy Farming	Dairy Management	05-03-21	1	PF	1	96	10	0	9	5	0	105	15	0	120	ATMA
5	Goat Farming	Goatery	05-03-21	1	PF	1	112	14	0	17	7	0	129	21	0	150	ATMA
6	Dairy Farming	Dairy Management	06-03-21	1	PF	1	101	12	1	4	2	0	105	14	1	120	ATMA
7	Goat Farming	Goatery	06-03-21	1	PF	1	48	3	0	7	2	0	55	5	0	60	ATMA
8	Dairy Farming	Dairy Management	08-03-21	1	PF	1	110	6	0	4	0	0	114	6	0	120	ATMA
9	Dairy Farming	Dairy Management	08-03-21	1	PF	1	86	12	0	9	3	0	95	15	0	110	ATMA

10	Dairy Farming (Farmers Scientist interaction)	Dairy Management	05-08-21	1	PF	1	4	8	0	8	0	0	12	8	0	20	ATMA
11	Animal Husbandry cum integrated farming system	IFS	24-08-21	1	PF	1	48	0	0	2	0	0	50	0	0	50	ATMA
12	Poultry Farming	Poultry	22.09.21	1	PF	1	25	2	1	2	0	0	27	2	1	30	ATMA
13	Fish cum Duck Farming	IFS	24-09-21	1	PF	1	21	2	0	6	1	0	27	3	0	30	ATMA
14	Goat Farming	Goatery	29.10.21	1	PF	1	29	0	0	1	0	0	30	0	0	30	ATMA

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	5	305	106	411	5.5	21	3	24	326	109	435
Kisan Mela	-	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	9	293	122	415	8.4	31	7	38	324	129	453
Exhibition	2	78	52	130	3.7	5	0	5	83	52	135
Film Show	4	72	38	110	5.2	6	0	6	78	38	116
Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	5	560	222	782	0.9	7	0	7	567	222	789
Group meetings	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	38	1210	122	1332	2.8	38	0	38	1248	122	1370
Advisory Services					-				-	-	-
Scientific visit to farmers field	218	196	22	218	4.8	11	0	11	207	22	229
Farmers visit to KVK	170	127	43	170	8.1	15	0	15	142	43	185
Diagnostic visits	10	40	18	58	3.3	2	0	2	42	18	60
Exposure visits	2	108	12	120	3.2	4	0	4	112	12	124

Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	37	28	65	3	2	0	2	39	28	67
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Special Programmes (specify)	-	-	-	-	-	-	-	-	-	-	-
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	-	-	-	-	-	-	-	-	-	-	-
Any Other (Specify) Virtual kisan choupal	10	177	43	220	0	0	0	0	177	43	220
Zero Budget natural farming national campaigning programme & PM Live Programme	1	154	125	337	10	25	6	31	179	131	310
Uttam Kheti Unnat Kisan	3	96	26	122	6.2	5	3	8	101	29	130
Total	**479**	**3453**	**979**	**4490**	**0**	**172**	**19**	**191**	**3625**	**998**	**4623**

1. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	55
Radio talks	7
TV talks	5
Popular articles	1
Extension Literature	4
Other, if any Book Chapter	1

1. Celebration of important days

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	18	8	26		15	2	17	33	10	43
International Women's Day (8th Mar.)	1	5	51	56		3	2	5	8	53	61
World Water Day (22th march)	1	22	38	60		5	1	6	27	39	66
Ambedkar Jayanti (14th Apr.)	-	-	-	-		-	-	-	--	-	-
World Honey Bee Day (20th May) (Virtual)	1	24	08	32		3	1	4	27	9	36
World Milk Day (1st June) (Virtual)	1	62	22	84		3	2	5	65	24	89
International Yoga Day (21st Jun.)	1	5	0	5		11	1	12	16	1	17
World Zoonoses Day (6th july)	1	18	6	24		5	0	5	23	6	26
National Fish Farmers Day (10th july)(Virtual)	1	43	08	51		3	0	3	47	8	55
93ed ICAR Foundation Day & Plantation	1	45	10	55		3	0	3	47	0	47
Sadbhabna Diwas (20th Aug.)	1	16	6	22		4	1	5	20	7	27
Independence Day (15th Aug.)	1	19	5	24		15	2	17	34	7	41
Parthenium Awareness Week (16th to 22nd Aug.)	7	124	20	144		2	0	2	126	20	146
Hindi Diwas (14th Sep.)	1	10	1	11		3	1	4	13	2	15
National Campaign on Phoshan	1	135	53	188		13	2	15	148	55	203
Gandhi Jayanti (2nd Oct.)	2	50	10	60		3	1	4	53	11	64
Special Swachhta Programe (6th Oct.)	1	70	42	112		5	1	6	75	43	118
Mahila Kisan Diwas (15th Oct.)	1	0	52	52		2	1	3	2	53	55
World Food Day (16th Oct.)	1	25	42	67		2	1	3	27	43	70
Vigilance Awareness Week (27th Oct. to 2nd Nov.)	7	211	15	225		3	1	4	214	16	230
National Unity Day (31st Oct.)	1	12	2	14		3	1	4	15	3	18
World Science Day (10th Nov.)	1	11	2	13		2	0	2	13	2	15
National Education Day (11th Nov.)	1	24	8	32		3	0	3	27	8	35
National Constitution Day (26th Nov.)	1	15	2	17		3	1	4	18	3	21
National Milk Day (26th Nov.)	1	11	26	37		4	1	5	15	27	42
Agriculture Education Day (3ed Dec.)	1	19	06	25		5	1	6	24	7	31

World Soil Day (5th Dec.)	1	111	6	117		5	2	7	116	8	124
Kisan Diwas (23rd Dec.)	1	15	0	15		5	2	7	20	2	22

1. Interaction/Live telecast programme of Hon'ble PM/Hon'ble AM

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	28/09/2021	PM Live on climate Resilient Agriculture Seed	PM	315	11	5	331
2	28/10/2021	Farmer Scientist Meet	PM	250	11	4	265
3	16/12/2021	Zero budget Farming	PM	337	11	8	356

1. a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat (F/S)	HD 2967	105	420000				105
Potato	K.Khayat-1	126	403200				14
Mustard (T/L)	R.Suflam	1.5	15000				20
Moong(T/L)	PDM 139	0.4	2000				

Paddy (F/S)	Rajendra Mansuri-01	274.00	1096000				
Paddy (F/S)	Sabour Shree	32.00	128000				
Paddy (F/S)	Sabour Deep	12.25	49000				
Grand Total		**551.15**	**2113200**				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	pusi	5000	2000				40
Cabbage							
Tomato	Kashi Anupam, Kashi Vishesh	5000	2000				40
Brinjal							
Chilli							
Onion							
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya							
Banana							
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							

Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total		10000	4000				80

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted			
	Kg		SC	ST	Other	Total
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Others, please specify.						
Total						

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							

Sheep				
Goat				
Other, please specify				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Hog				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total				

3.5. b. Seed Hub Programme – ***"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"***

1. Name of Seed Hub Centre:

Name of Nodal Officer :	
Address :	
e-mail :	

Phone No. : Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2021						
Rabi 2021						
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18, 2019, 2020 and 2021)	Expenditure (Rs. In lakhs)		Unspent balance (Rs. In lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2019				
2020				
2021				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6. (A) Literature Developed/ Published (with full title, author & reference)

Item	Title	Author's name	Number	Circulation
Research paper	-	-	-	-
Seminar/conference/ symposia papers	-	-	-	-
Books	Vegyanik bakri palan	Dr. D Kumar, Dr. M Parasad, Dr. A Bharti, Dr. R K Choudhary, Dr. C. kumar Panda	1	1000
Bulletins	Bio-Tech Kisan Hub Priyojna	Dr. Anil Kumar, Dr. P K Yadav, Dr. Parash Nath, Dr. Ratnesh Kumar Choudhary, Dr. A K. Sinha Dr. V K Mishra	1	5000
News letter	Krisak Samachar	Dr. A K Sinha, Dr. Ratnesh Kumar Choudhary Aftab alam	3	Mass
Popular Articles	Milk fever in cow Repeat breeding in dairy Animal Lumpy skin Disease Foot & Mouth Disease Animal husbandry Advisory during COVID -19	Dr. R.K Choudhary	6	Mass
	Bharat mai poultry farming ki vartaman sthiti awam gramin kukut palan ki awasyktaye awam labh	Dr. S.S & Dr. R K Choudhary		
Book Chapter	Scientific Goat Farming and Employment	Dr. R.K Choudhary	1	Mass
Extension Pamphlets/ literature				-
Technical reports			8	Mass
Electronic Publication (CD/DVD etc)			-	-
TOTAL			16	-

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

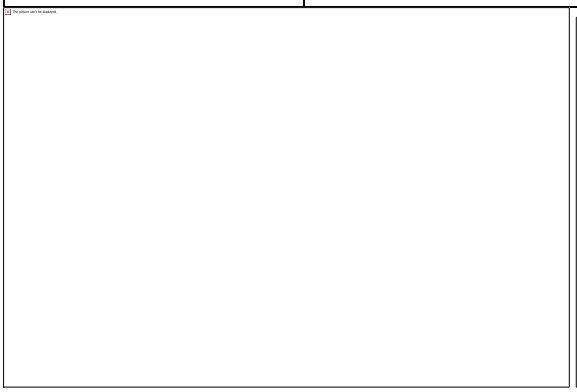
Sl. No.	Name of programme (Virtual)	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Workshop	All India Fodder Production officers: Kharif	Dr. Ratnesh kumar Choudhary, SMS (Animal Science)	12-14/07/2021(Three Days)	ICAR-IGFRI, Jhansi
2.	Training cum workshop	Application of Veterinary Anatomy in context of innovative Techniques.	Dr. Ratnesh kumar Choudhary, SMS (Animal Science)	12-26/07/2021(Fifteen Days)	NDVSU, Jabalpur
3.	Webinar	Parasiric Zoonoses-frequently encountered in animal but obscure in humans in India	Dr. Ratnesh kumar Choudhary, SMS (Animal Science)	06/07/2021(One Day)	BVC, Patna
4.	Training programme	Integrated Parthenium management	Dr. Ratnesh kumar Choudhary, SMS (Animal Science)	19/08/2021(One Day)	ICAR- DWR, Jabalpur

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2 best case(s) with suitable action photographs)

Case study – 1

Name of farmer	Mr. Bimal Yadav
Address	Village- Kharaya Basti , Block-Araria
Contact details (Phone, mobile, email Id)	757343093343
Landholding (in ha.)	1.0
Name and description of the farm/ enterprise	Dairy farming
Economic impact	Sri Bimal Yadav was involved in traditional farming of maize and paddy in his 1.0 ha area and was getting very low income of 60,000 per annum. He started dairy farming with a dairy unit of 2 cows in 2014. In 2019 contact with Krishi Vigyan Kendra and getting training on modern dairy farming, after then he stated dairy farming with 10 cow by the support of Gaviya Vikas Yojna Presently he has 24 milch cow of crossbreed. From each cow on an average he gets Rs. 48000 in one lactation period and his annual income increased up to Rs. 6,20,000/- from dairy.
Social impact	Now he has a pucca house. He has provided employment to 3-4 persons in his dairy unit. His status in the society increased due to financial security. He is role model for the unemployed youth of the village.

Environmental impact	Scientific dairy farming has very less environmental hazard.
Horizontal/ Vertical spread	Starting from two dairy cows in 2014 presently he owns 24 dairy cows in his dairy farm.




Case study-2

Title:- Livelihood through goat rearing

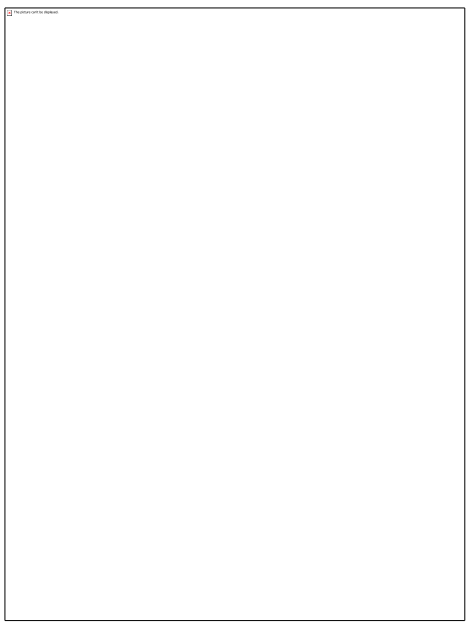
Name of Farmer: Smt. Neelam Devi

W/O: Sri Birendra Kumar Mandal

Address: Village:-BaghNagar

Block: Jokihat

District: Araria



Smt. Neelam Devi, W/O- Sri. Birendra kumar mondal has been rearing goats for last ten years. She had only four acres of cultivable land in which only paddy and Maize production is taken. Her husband engaged with agricultural practice. Smt. Neelam Devi engaged with goat raring as alternative source of livelihood, but herd size not increased, due to high morbidity and mortality rate. Smt. Neelam devi got information about Krishi vigyan Kendra, she connected. Then Krishi Vigyan kendra scientist visited on her field and the major findings which emerge from case study are complete lack of awareness on the health care issues, management practices in goat raring not did under taken preventive care by way of deworming and vaccination. Not provided concentrate to the pregnant and lactating goat. Mortality in goat was found during the month of October and November. Krishi Vigyan Kendra scientist short out the problems by which herd size not increased.

Krishi Vigyan Kendra Scientist Provide capacity building on scientific goat raring by this way improved housing and feeding practices and facilitated with deworming, Vaccination (PPR & ET) and demonstration of Black Bengal goat under biotech Kisan Hub Project after adopting above technologies and practices during goat raring annually Rs. 500/goat save which spend on treatment of goats. Body weight gain as per age and control mortality rate now herd size incising from 2 to 8 goat & 6 kids. Smt. Neelam Devi, now happy and developed goat raring for sustainable livelihood and income. Bio-Tech Kisan Hub Project play as eye opener among farmer community to develop as a sustainable goat based livelihood.

Case study-3

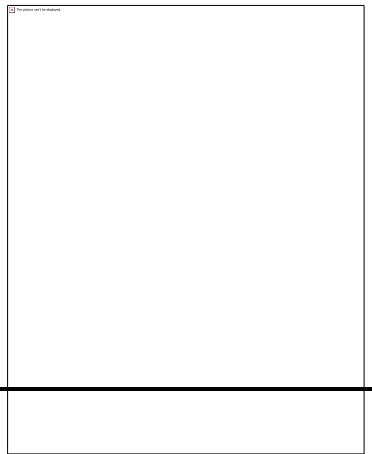
Title: Upliftment of Socioeconomic status through Makhana Cultivation.

Name of Farmer: Smt. Meena Devi

Address: Village:-Salaigadh, Panchayat:- Pokhariya

Block: Araria

District: Araria



Mrs, Meena devi belongs to middle class family. At time when Meena devi started Makhana cultivation in 2019-2020, her family used to grow conventional crops like paddy, maize, wheat. Her income was not good so, in search of other alternatives, she contacted with the KVK Araria. As per advice of scientist of KVK Araria, here she was suggested to

grow Makhana crop (Sabour Makhana 1) under Biotech Kisan Hub .She is the only mode of inspiration for the KVK Araria. She got the training from the scientist of KVK Araria related to scientific cultivation of Sabour Makhana -1 variety which was developed by BAU Sabour, Bhagalpur. She got institutional support under Biotech Kisan Hub project. From which she got a developed variety of Makhana named "Sabour Makhana 1. She received other inputs from KVK Araria such as neem oil, manure fertilizer (Urea, D.A.P, M.O.P). She also received some booklet related to Makhana cultivation.

The scientific activities regarding Makhana production such as nursery raising, care & maintenance, land preparation, pond cleaning, transplanting, fertilizer & chemical application, weeding, intercultural operation, insect-pest & disease management and harvesting was done under the guidance of KVK Araria. Through the intervention of KVK Araria, under Biotech Kisan Hub has also given some technical support to spread this Makhana cultivation in the surrounding areas.

Demonstration of new variety Makhana seed (Sabour Makhana 1) with scientific preparation of nursery raising, transplanting, manual hand weeding, harvesting and processing. Before implementation of intervention KVK Araria provide scientific knowledge on makhana cultivation. After then facilitated to farmers with new variety makhana seedling 12kg for 1 Acre (0.4 hac), fertilizer like urea, D.A.P, M.O.P, pesticides etc., and time to time KVK Araria visited to farmers field during the stage of raising, transplanting, manual hand weeding, harvesting, processing for proper management of makhana cultivation.

Before intervention, without any prior knowledge of Makhana cultivation, it was very tough for Meena Devi to adopt Makhana cultivation, But her courage was boosted up by KVK Araria through providing scientific knowledge about Makhana cultivation. Makhana cultivation was proving to be game changer for her; She produced 9 Quintal / Acre yield. Her total cost of cultivation was 65,770/- for 1 acre. She sold her product @ 13900/Quintal. Her gross income was 125100/- and her net income was 59330/- having B:C ratio 1.90. Next year she increased some more area under Makhana cultivation and earned much income again. Now she is known as prosperous Makhana grower and an inspiration for other farmers looking to increase her income. She empowered local women for income generation through Makhana cultivation. The women themselves used to manage all the agricultural works. She has become a role model for farmers in the district. In this way, Smt. Meena Devi not only managed to earn money herself but through Makhana cultivation also she helped many rural women to increase their family income.

Case study-4

Title: Sustainable improvement through Makhana Cultivation.

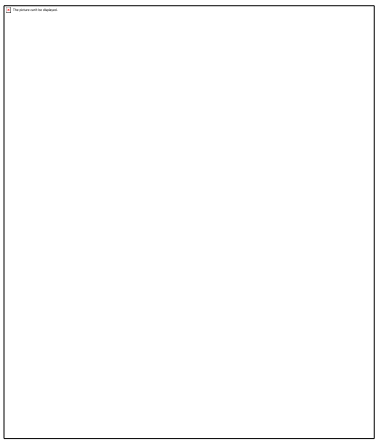
Name of Farmer: Smt. Rajnee Devi

W/O:

Address: Village:-Salaigadh, Panchayat:- Pokhariya

Block: Araria

District: Araria



Previously she was only house wife. Her family income was very low and the financial condition of her family was also very poor. She was looking for other alternatives for increasing her income. At the same time she contact with KVK Araria, where she was trained about scientific Makhana cultivation of new variety Sabour Makhana-1 which was developed by B.A.U, Sabour, Bhagalpur. Demonstration of new variety Makhana seed (Sabour Makhana-1) with scientific preparation of nursery raising, transplanting, manual hand weeding, harvesting and processing. Before implementation of intervention KVK Araria provide scientific knowledge on Makhana cultivation. After then facilitated to farmers with new variety Makhana seedling 12 kg for 1 Acre (0.4 ha), fertilizer like urea, D.A.P, M.O.P, pesticides etc., and time to time KVK Araria visited to farmers field during the stage of raising, transplanting, manual hand weeding, harvesting, processing for proper management of Makhana cultivation.

Makhana cultivation was proved to be game changer for her. She produced 8 q/acre Yield. Her total cost of cultivation was 60684/-. She sold her product @ 13400/q. Her gross income was 107200/- and her net income was 46516/- and having B:C ratio: 1.76. She has always been the source of inspiration for the women farmers nearby.

Next year she increased some more area under Makhana cultivation and earned much income again. Now she is known as prosperous Makhana grower and an inspiration for other women farmers looking to increase her income.Her eagerness of adopting new technologies in agriculture is definitely appreciable.

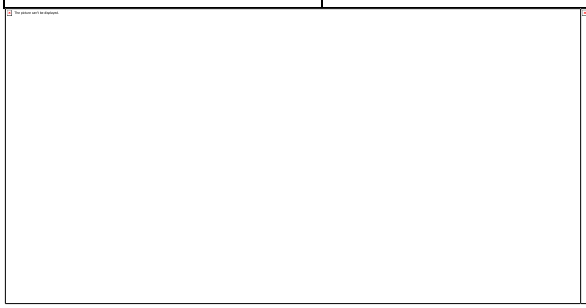
Case study-5

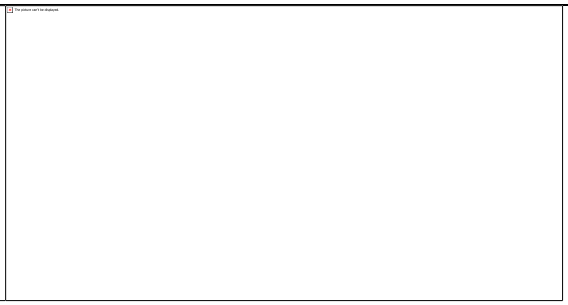
Name of farmer	Hari Mohan Jha
Address	Vill. + P.O. – Khutha Baijnathpur, Block – Bhargama, Dist. – Araria, State – Bihar, Pin - 854334
Contact details (Phone, mobile, email Id)	9771956529

Landholding (in ha.)	08 ha.
Name and description of the farm/ enterprise	Mentha cultivation
Economic impact	Hari Mohan Jha was started started Mentha (Japani mint) (Farming as a trial basis only in 4 – 5 Katha initially, later he cultivated it in large areas involving other farmers also. He is gaining 120000 rupees as a gross benefit and 72000 rupees per acre as net profit from this farming in 04 months.

S.N.	Activity	Cost of Prod. (Rs)	Gross Income (Rs)	Net Income (Rs)	B:C Ratio (Gross income/Gross cost)
1	Field Crop (Paddy, Wheat, Maize, etc)	27379.372	152292.03	131628.5	4.12
2	Horticultural crop (Potato, mentha etc.)	86390	361192.4	274802.4	4.12
3	Fisheries (Rohu, Catla, Mrigal etc)	51649.33	246500.5	194851.2	4.77

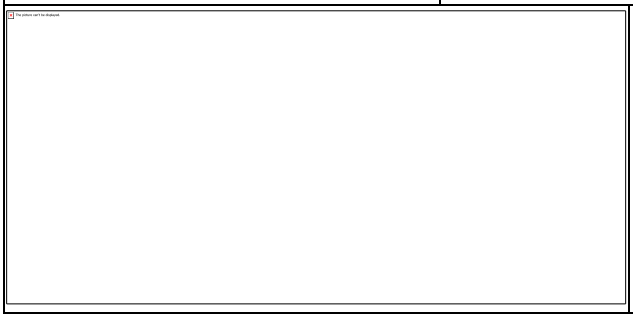
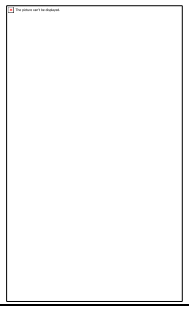
Social impact	The net return of Hari Mohan Jha from 125648 to 601282.1 annually. This financial security gave him social recognition in the society. In his Mentha farm 5-6 workers are engaged round the year. Thus, he provided employment 5-6 local villagers.
Environmental impact	Minimum inorganic fertilizer uses and maximum organic fertilizer uses. Use of mulching material reduces evaporation and saving soil moisture.
Horizontal/ Vertical spread	As the crop regulation through twisting technique fetches good return, he was started Mentha cultivation. Mentha farming gaining popularity in the area and as of now about 20 farmers have started cultivating Mentha in about 50 acres of land.





<u>Case study-6</u>

Name of farmer	Tafjul
Address	Vill – Sandalpur, Ward No. – 13, Post– Ahilgaon, Block – Araria, Pin – 854327, State - Bihar
Contact details (Phone, mobile,	8757804360

email Id)	
Landholding (in ha.)	04 ha.
Name and description of the farm/ enterprise	Double layering , Cultivation of Capsicum in net house & Fish farming
Economic impact	Md Tafjul is a marginal land holder farmer. He has started fish culture in recent years 2015 in one acre area . He started chital fish farming along with other fish species (Catla,Rohu,Comman carp, Grass carp) through motivation. Chital fish farming has been started in previous year by Md. Tafazul in 1.0-acre area. The total cost of stocking fish seed @ 1000 per acre was rupees 5000. The total cost of culture is around 32000 rupees per acre and the total profit is 125000 rupees. The net profit is 93000 per acre in a year. This year he has already stocked 5000 chital fish and also has increased the pond area holding up to 5.0 acre on lease basis and expects net profit of Rs 4.50 lakhs.
Social impact	Now he has build a pucca house and he was purchasing different type agricultural machinery. He has provided employment to 6-7 persons in his fishery unit, double layering & Cultivation of Capsicum in net house. Contribution this innovation now a day popularized nearby area, district agriculture office and Krishi Vigyan Kendra along with Bihar Agriculture University, Sabour make a technical video. Technical video uploaded in youtube at present time total no of viewers is 16980. https://youtu.be/jTJPB4GGIkY
Environmental impact	Adopt new technique of farming. So that less emission of harmful gas.
Horizontal/ Vertical spread	Innovation in Vegetable Production is double layer production, one layer on land and other layer roof form by bamboo.
	

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

3.11. a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Mini soil test Kit	1

3.11.b. Details of samples analyzed so far:

Number of soil samples analyzed		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
1082	0	1082

3.11.c Detail of Soil, Water and Plant analysis at KVK

Sl.	Analysis	No. of Samples analyzed	No. of Villages	No. of Farmers	Amount realized (Rs.)
1.	Soil	1082	11	854	578870
2.	Water	-	-	-	-
3.	Plant	-	-	-	-
4.	Fertilizers	-	-	-	-
5.	Manures	-	-	-	-
6.	Food	-	-	-	-
7.	Others (if any)	-	-	-	-

3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Work shop	117	0	0	117	117

3.12. Activities of Rain Water Harvesting structure and micro irrigation system: Nil

No of training programme	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)

3.13. Technology week celebration: Nil

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

3.14. RAWE/ FET programme – is KVK involved? (Y/N):Y

No of student trained	No of days stayed
11	90

ARS trainees trained	No of days stayed

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/Zila Sabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
20/01/2021	Dr. R K Sohane, VC, BAU, Sabour	Visit
18.09.2021	Sri. Pradip Kumar Singh (MP)	PM Live on Farmers Scientist Interface Programme.
28/10/2021	Md. Abedurr Rahman (MLA)	PM Live on Farmers Scientist Meet Programme
28/10/2021	Dr. R K Sohane, DEE, BAU, Sabour	PM Live on Farmers Scientist Meet Programme
02/10/2021	Dr. Rajesh Kumar, DSW, BAU, Sabour	KVK, Farm Visit & Official Work
02/10/2021	Dr. R N. Singh, ADEE, BAU, Sabour	KVK, Farm Visit & Official Work
22/03/2021	Dr. Sailabala Dei, DDR,BAU, Sabour	World Water Celebration
28/10/2021, 16/12/2021	Dr. Paras Nath, Associate Dean-cum-Principal,BPSAC, Purnia	PM Live on Farmers Scientist Meet Programme, PM Live on Natural Farming Programme
16/12/2021	Sri. Bipin Kumar, DTO, Araria	PM Live on Natural Farming Programme
17/09/2021	Sri. Sudhir Kumar, DAO, Araria	Complaining and Planation programme on Nutritional Garden
04/08/2021	Sri. Dayanand Kumar DDM, NABARD, Araria	KVK Visit & WARI Project Related
28/10/2021	Mrs. Anuradha Kumari, DPM, JEEVIKA, Araria	PM Live on Farmers Scientist Meet Programme
17/09/2021	Mrs. Sima Rahman, DPO (ICDS), Araria	Complaining and Planation programme on Nutritional Garden
18.09.2021, 28/10/2021	Sri. Ram Kumar , SDAO, Araria	PM Live on Farmers Scientist Meet Programme

1. IMPACT

1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Mushroom Production	185	20	Nil	12200/Unit per month
Seed treatment before sowing	345	44	32000/ha	39,000/ha
Zero Tillage	460	50	/ha	

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Hybrid Rice Production	In 17% area
Seed treatment	In 45% area
HYV seeds	In 65 % area
Seed Production of Wheat and Pulses	In 4 % area
Soil Test based Fertilizer Use	In 7% area
IDM in Potato	In 35 % area

G

ive information in the same format as in case studies

4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Dairy Farming
Name & complete address of the entrepreneur	Amit Kumar , Address: vill-Mahthawa Mobile Number: 9472667391
Role of KVK with quantitative data support:	Training, monitoring and guidance
Timeline of the entrepreneurship development	September 2020: Contacted KVK Scientist and decided to start dairy farming with 10 milch cow.
Technical Components of the Enterprise	Feed & Disease Management
Status of entrepreneur before and after the enterprise	Earned net profit of Rs. 2 lakh annually and generated employment of 2 man-days for local landless labourers.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Now increase 10 cow to 15 cow in dairy farming and also established Vermicomposting. Provide 2 employment in dairy farming.
Horizontal spread of enterprise	Now increase 10 cow to 15 cow in dairy

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Bihar Koshi Beshin Project	Training & Transfer of technology
Nehru Yuva Kendra (NYK)	Training & Transfer of technology

NABARD	Training & Transfer of technology
DAO	Training & Transfer of technology
ATMA	Training & Transfer of technology
District Animal Husbandry Office	Training & Transfer of technology
District Dairy Development Office	Training & Transfer of technology
District Fishery Office	Training & Transfer of technology
Jeevika	Training & Transfer of technology
RSETI, SBI	Training
IFFCO	Training & Transfer of technology
D.D.C. DRDA, Araria	Training
PRADAN Araria	Technical guidance and training
Radio Station, Purnea	Tele casting of Agricultural Programme
E.T.V., Bihar	Broadcasting of Agricultural Programme
DHO, Araria	Training & Transfer of technology
DTO, Araria	Training

5.2. List of special programmes undertaken during 2021 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

(b) Programme for other activities (training, FLD,OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Technology Assessment , Refinement & validation	Technology Assessment , Refinement	Nov. 2021	ATMA	2,45,000

1. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Goatry unit	2013	23						
2.	Vermicompost unit	2011	50		Vermicompost	2.5			
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Wheat	0/11/2020	0/04/ 2020	6.0	HD 2967	(F/S)	105	170918	420000	
Potato	29/10/2020	0/03/2021	0.4	K.Khayat-1	(F/S)	126	50998	403200	
Mustard	5/11/2020	6/03/ 2021	0.8	R.Suflam	(T/L)	1.5	4000	15000	
Moong				PDM 139	(T/L)	0.4			
Paddy	7/11/2021	8/11/2021	5.6	Rajendra Mansuri-01	(F/S)	274.0	228058	1096000	
Paddy	2/07/2021	5/11/2021	0.8	Sabour Shree	(F/S)	32.00	52580	128000	
Paddy	0/07/2021	3/11/2021	0.4	Sabour Deep	(F/S)	12.25	16289	49000	

1. P

2.

3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : **NIL**

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

4. Performance of instructional farm (livestock and fisheries production) : **NIL**

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

1. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
28 Sept. to 18 Dec.	11	90	RAWE
Total :			

(For whole of the year)

2. Utilization of staff quarters

Whether staff quarters has been completed: No.

No. of staff quarters: 5

Date of completion:2014

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
Since July 2014	PC	Scientist	FM	Driver	Driver	Nil

2. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current A/C	SBI	ADB, Araria	11216455272
Saving A/C	SBI	ADB, Araria	11216456220

1. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR	Expenditure	Unspent balance as on -

	Kharif	Rabi	Kharif	Rabi	
R & M		264000		158400	-
Linseed		30000		17500	-
Sunflower	60000	-	3500	-	
Sesame	100000	-	2500	-	

7.3. Utilization of funds under CFLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2021
	Kharif	Rabi	Kharif	Rabi	
Lentil	-	144000	-	100800	
Field Pea	-	36000	-	23400	

7.4. Utilization of KVK funds during the year 2021 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	9600000	8632400	6593374
2	Traveling allowances	60000	56970	40120
3	Contingencies			
A	Postal, Fuel, Stationary etc.	500000	474750	490820
B				
C	Tarining & etc	120000	113940	117930
D				
E	FLD	60000	56922	31975
F	OFT	45000	42728	27450
G	MOB	50000	47475	50000
H	KIsan Mela	50000	47475	31740
I	SCSP general	85000	75000	60975
J	Swachhta Expenditure	23000	23000	23000
TOTAL (A)		**10611000**	**9587751**	**7467384**
B. Non-Recurring Contingencies				

1	Equipment (SCSP)	60000	54000	0
2				
3				
4				
TOTAL (B)		60000	54000	0
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B)		**10671000**	**9641751**	**7467384**

7.5. Status of **Revolving fund** (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019	325368	823858	1321146	822656
2020	822656	1082994	764842	1140808
2021	1140808	1114820	880502	1375126

1. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

(iii) Details of marketing channels created for the SHGs

1. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
FMD	Cow & Buffalo	27/08/2021	35	-	-

9.1. Nehru Yuva Kendra (NYK) Training **(Nil)**

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	Male	Female	

9.2. PPV & FR Sensitization training Programme **(Nil)**

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

9.3. ***mKisan*** Portal (National Farmers' Portal/ SMS Portal)

Type of message No. of messages No. of farmers covered

Crop

Livestock

Fishery

Weather

Marketing

Awareness		
Training information		
Other	3	72775
Total	3	72775

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

9.5 Kisan Mobile Advisory Services (KMAS)

Sl. No.	Discipline	No. of Advisories	No. of Messages (SMSs)	No. of Farmers
1.	Agro metrology	103	11	98335

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Date/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
16-31/ Dec./ 2021	Awareness Programme for residual management and proper utilization of farm byproduct, use of culture of waste decomposer and as well as establishment of vermicompost unit.	15	60	12	87
	RAWE students & KVK	11	58	04	73

	employees under Swachhta Pakhwara, Cleaninees of Admin bulding Kisan Ghar Road side and farm Path.				
	Cleaning of office premises and KVK farm, cleaning of road side, awareness programme in villages, training programme on SBM in adopted villages.	8	142	06	156
	Plantation around admin block and cleanness programme with RAWEP, student	8	20	11	39

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	4	0
2. Basic maintenance	2	2200
3. Sanitation and SBM	10	8000
4. Cleaning and beautification of surrounding areas	6	6500
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	8	4500
6. Used water for agriculture/ horticulture application	6	-
7. Swachhta Awareness at local level	10	3200
8. Swachhta Workshops	4	4800
9. Swachhta Pledge	5	-
10. Display and Banner	4	3200
11. Foster healthy competition	1	-
12. Involvement of print and electronic media	4	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of	5	3500

adopted village)

14.No. of Staff members involved in the activities	11	-
15. No of VIP/VVIPs involved in the activities	6	-
16. Any other specific activity (in details)	Plantation programme	4200
Total		40100

9.7. Observation of National Science day

Date of Observation	Activities undertaken

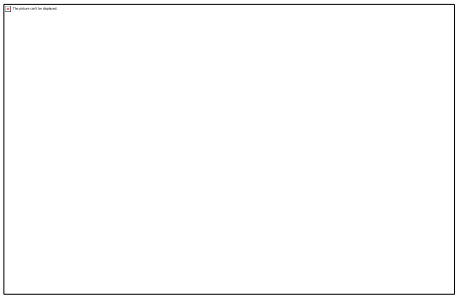
9.8. Programme with Seema Suraksha Bal/ BSF: **NIL**

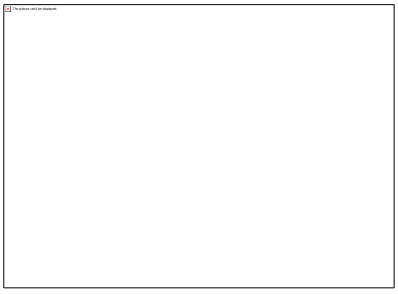
Title of Programme	Date	No. of participants

9.9. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Prathmic Madhya Vidyalaya, Itahara	10/08/2021	Awareness on Agriculture Education, prevention measure of Covid-19 pandemic	Projector, laptop, sound system mic.

Give good quality 1-2 photograph(s)





9.10. Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon' ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

9.11. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	8	5	256	4	Dr. Paras Nath, Principal, BPSAC purna Dr. J. P Sharma, Asso. Prof. BPSAC, Purnia Sri. Sudhir Kumar, DAO, Araria Sri. Ran Kumar, SAO, Araria

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Kisan Gosti	5	56	1	Sri. Ran Kumar, SAO, Araria

9.13. No. of Progressive/ Innovative/ Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Kisan Ghar	78000	Bihar Govt.

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created

9.16. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
15/03/2021	IMD	Working

9.17. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

10. Report on Cereal Systems Initiative for South Asia (CSISA) :**NIL**

1. Year:
2. Introduction / General Information:

Experiment	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
…						
..						
Others (If any)						

11. Details of TSP: **NIL**

1. Achievements of physical output under TSP during 2021

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		

h. No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)

2. Fund received under TSP in 2017-18 (Rs. In lakh):

3. Achievements of physical outcome under TSP during 2017-18

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

4. Location and Beneficiary Details during 2017-18

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T

12. Details of SCSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
	a. Farmer	1	20
	b. Women	3	80
	c. Rural Youths	1	25
	d. Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
		0	0
3)	FLD	No. of FLDs	No. of beneficiaries
		1	10
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		20	180
5)	Other activities		
	a. Participants in extension activities (No.)		5
	b. Production of seed (q)		0
	c. Production of Planting material (No. in lakh)		0
	d. Production of Livestock strains (No. in lakh)		0
	e. Production of fingerlings (No. in lakh)		0
	f. Testing of Soil, water, plant, manures samples (Nos.)		0

13. Progress report of NICRA KVK (Technology Demonstration component) during the period : **NIL**

(Applicable for KVKs identified under NICRA)

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T

Detailed report should be provided in the circulated Performa

14. a) Awards/Recognition received by the KVK in year 2021

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose

b) Award received by Farmers in year 2021

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority

15. Any significant achievement of the KVK with facts and figures as well as quality photograph

16. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

1. Integrated Farming System (IFS)

1. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

2. Activities under IFS

Sl. No.	Component Name	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1.							
2.							
3.							

3. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology		Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Scientific Farming	Dairy	*Selection of High yielding Cross-bred cows *Feed management including green fodder *Health management with timely vaccination	Rs.30,000 to 60,000/ farm/ year	8	
2	Scientific rearing	Goat	*Selection of improved breed *Use of low cost locally made balanced feed *Proper care and maintenance *Health management with timely vaccination	Rs.20,000 to 50,000/ farm/ year	26	

4. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.2018)					
Total					

5. Information on Visit of Ministers to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

6. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18, 2019, 2020 and 2021

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
20119	Mushroom Grower	Sanjeet Kumar, Aftab Alam	15/02/2019	16/03/2019	20	Yes	87500
	Assistant Gardener	Pankaj Kumar Sinha, Aftab Alam	15/02/2019	16/03/2019	20	yes	87500
2020	Mushroom Grower	Aftab Alam	03/03/2020	13/10/2020	20	Yes	180000

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2021

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

7. Information of NARI Project (if applicable)

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project
Dr. Ratnesh Kumar Choudhary	0	0	5	5	10	Nutrition deficiency in food among the adolescent girl & women

Progress Information of NARI Project

All nutri garden established in five Aanganbari Kendra of Araria & crop standing in good conditions.

1. Details of established Nutrition Garden in Nutri-Smart village.

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Musahri Tola, Rampur Koderkatti	Kitchen garden	1	13.9	1
2.	Purab Tola, Bansbari	Kitchen garden	1	91.0	1
3.	Momin Tola, Araria Basti	Kitchen garden	1	46.45	1
4.	Sheikh Tola, Hayatpur Razokhar	Kitchen garden	1	9.29	1
5	Jamua Take Tola, Jamua	Kitchen garden	1	18.58	1
	TOTAL		**5**	**179.22**	**5**

2. Details of Bio-fortified crops in Nutri-Smart village:

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of beneficiaries
4	Rabi	FLD	cereal	Wheat	BHU-25, BHU-31,PBW_1-Zn,	3	9

3. Value addition in Nutri-Smart village: **NIL**

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries

4. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Musahri Tola, Rampur Koderkatti	Vegetables	3	5
Purab Tola, Bansbari	Vegetables	2	5
Momin Tola, Araria Basti	Vegetables	2	5
Sheikh Tola, Hayatpur Razokhar	Vegetables	3	5
Jamua Take Tola, Jamua	Vegetables	3	5

5. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Musahri Tola, Rampur Koderkatti	Training	3	5
Purab Tola, Bansbari	Training	2	5
Momin Tola, Araria Basti	Training	2	5
Sheikh Tola, Hayatpur Razokhar	Training	3	5
Jamua Take Tola, Jamua	Training	3	5

8. Activities under KSHAMTA :**NIL**

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

9. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I/II

1. Training

Name of programme	***No. of programmes***	***No. of farmers benefitted***									***No. of officials attended the programme***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	***T***	
KKA-I	130	1542	477	103	32	8954	2345	10599	2854	13453	10
KKA-II	38	187	41	11	05	956	225	1154	271	1425	10

2. Distribution of seed/ planting materials/ input/ others

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefited								No. of other officials (except KVK) attended the programme
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	SC		ST		Others		Total		
						M	F	M	F	M	F	M	F	T	
KKA-I	**130**	**146.56**	**0.15500**			**77**	**9**	**47**	**18**	**435**	**108**	**520**	**813**	**026**	**510**	**15**
KKA-II	38	225	0.089		111 NADEP PI							1617	499	2116		16
						215	0.	527	135	680						

3. Livestock and Fishery related activities

Name of programme	No. of Programme	Activities performed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		No. of animals vaccinated	No. of animals dewormed	Feed/ nutrient supplements provided (kg)	Any other (Distribution of animals/ birds/ fingerlings) [No.]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

4. Other activities

Name of programme	Activities	No. of farmers benefited	No. of other officials (except KVK)

S.No.	Intervention	Crop	Variety	Area	No.of Farmers	Village

		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I	Soil Health Card Distributed	495	143	57	26	781	321	3208	1071	4279	16
	NADEP Pit established	3	3	0	0	38	7	41	10	51	-
	Farm implements distributed										-
	Others, if any										-
KKA-II	Soil Health Card Distributed	146	41	56	9	476	243	6496	4486	5945	-
	NADEP Pit established	-	-	-	-	-	-	-	-	-	-
	Farm implements distributed	-	-	-	-	-	-	-	-	-	-
	Others, if any										-

Krishi Kalyan Abhiyan- III

No. of villages covered	No. of animal inseminated	No. of farmers benefitted									Any other, if any (pl. specify)
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	

1. Any other programme organized by KVK, not covered above

1. Bio-Tech Kisan Hub

1.	**Makhana**	Makhana Seed Demonstration	Sabour Makhana-1	25 hac.	46	Mirzapur, Sandalpur, Bistoria, Padampur bhansia, Denga, Gaira
2.	**Banana**	Demonstration of tissue culture Banana plantlets	G-9 variety	10 acre	12(13000Plantlets)	
3.	**Goatary**	Demonstration of Goat	Black BengaL	86 Goats	43	Sukhi & Baghnagar
		PPR Vaccination		200 Goats	86	Sukhi & Baghnagar
		ET Vaccination		200 Goats	86	Sukhi & Baghnagar
		Deworming		200 Goats	86	Sukhi & Baghnagar

2. Gramin Krisi Mausam Sewa (GKMS)

Sl. No.	**Name of the programme**	**Total No. of Programme**	**Purpose**	**Total No. of Participants**
1.	FAP	12	Awareness of Weather Forecasting	240
2.	Field visit	31	Crop growth stage.	72

3. Climate Resilient Agriculture Programme (CRAP)

1. Summer & Kharif season

Crop	Technology	Demonstration (Acre)	No of Beneficiaries	Grain yield (q/ha)		Straw yield (q/ha)		Net Return (INR)		B : C Ratio	
				Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check
Green gram	Zero tillage	260	260	08	7.5	0.00	0.00	45800	37050	4.50	3.70
Rice	DSR	160	160	45.27	41.2	72.9	66.08	75068	71500	3.80	2.80
Rice	Alter wetting and drying	60	60	42.98	41.2	64.26	66.08	76000	71500	3.36	2.80
Rice	Water harvesting and field bunding	40	40	43	41.2	66.56	66.08	71500	71500	2.80	2.80
Rice	Transplanting	310	310	41.95	41.2	65.02	66.08	75510	71500	3.53	2.80
Pearl millet	Raised bed	10	10	41	00	81.5	00	40000	00	3.19	00

Finger millet	Raised bed	10	10	22.5	00	29.56	00	22000	00	1.45	00
		850	**850**	**244.7**	**172.5**	**379.8**					

2. Rabi Season

Crop	Technology	Demonstration (Acre)	Achievement (Acre)
Maize	Raised bed	200	200
Wheat	Zero tillage	115	115
Wheat	Raised bed	25	25
Mustard	Raised bed	20	20
Lentil	Raised bed	10	10
Potato	Raised bed	10	10
Potato + Maize	Inter cropping	33	33
Maize	Laser land leveling	12	12

3. Kisan Sarathi: 5,272 farmers uploaded on kisan sarathi portal.

On Station Trial at KVK, Centre

Title of On Farm Trial: Comparative assessment of poultry breeds under Backyard System for improving the livelihood and nutritional security.

Problem Diagnose: Low wt. gain and egg production of local poultry.

Thematic Area: Backyard Poultry

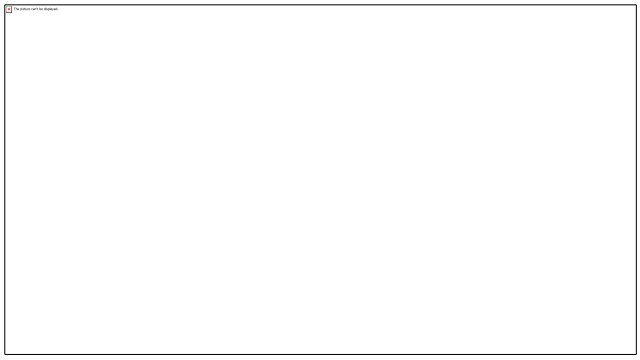
Details of Technologies selected for assessment/ refinement:

Farmers' Practice: - Local poultry

Technology Option 1:- Chabro

Technology Option 2:- Gramapriya

Technology Option 3:- CARI-Shyama



Title of On Station Trial: Evaluation of mushroom varieties for yield and income.

Details of Technologies selected for assessment:

Technology Option 1:-BU99

Technology Option 2:- PLO3 (Sajar Kaju)

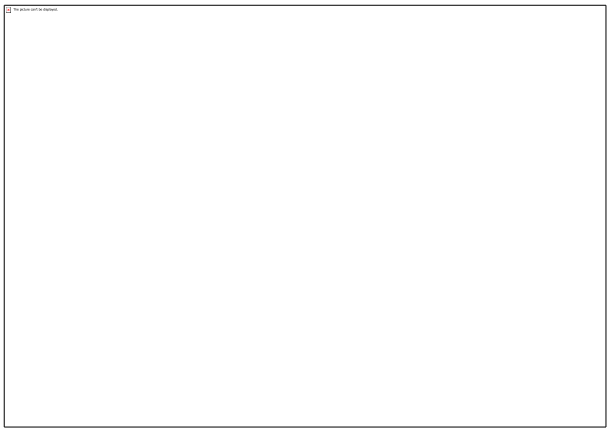
Technology Option 3:- PS6 (Sajar Kaju)

Technology Option 4:- PF4 (Florida)

Technology Option 5:- NB (Florida)

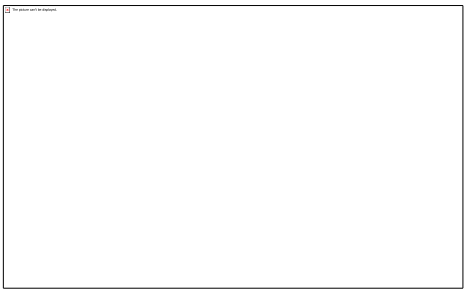
Technology Option 6:- CO2 (Florida)

Technology Option 7:- PD (Gulabi Mushroom)

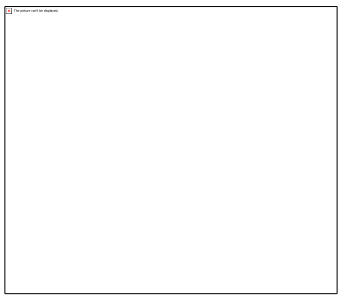


4. Good quality action photographs of overall achievements of KVK during the year (best 10)

OFT



NARI On campus training



Black Bengal Goat with kids

Training on mushroom farming

Unnat kheti uttam kisan

Makhana Sabour-1

facilitated under Biotech Kisan Hub project

Kitchen Garden under NARI

Backyard poultry visit under SCSP

Backyard poultry visit under SCSP

Natural farming program

दैनिक भास्कर अररिया 04-12-2021

प्रथम राष्ट्रपति की जयंती कृषि शिक्षा दिवस के रूप में मनाई

बदलते परिवेश में पोषण युक्त खाद्यान्न उपलब्ध कराना चुनौतीपूर्ण : डॉ विनोद

डॉ. राजेंद्र बाबू की जीवनी से प्रेरणा लेने से देश का विकास संभव

Agriculturw Education Day news

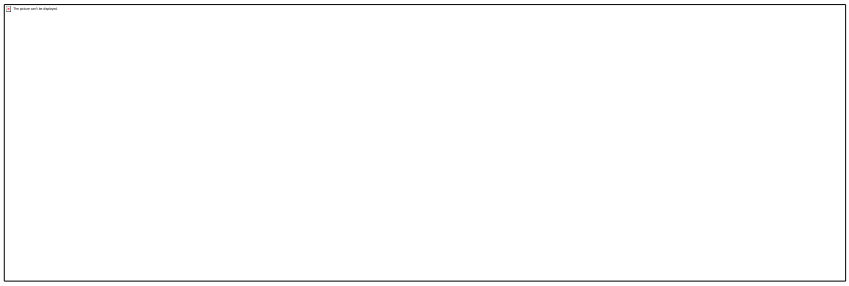
World soil day

दैनिक भास्कर अररिया 27-11-2021

पोषण सुरक्षा व अतिरिक्त आय का साधन बनेगा बैकयार्ड पोल्ट्री : डॉ विनोद कुमार

मुर्गी पालन के लिए केवीके में दो दिवसीय प्रशिक्षण की शुरुआत

Training on Backyard poultry farming



OFT

उन्नत नस्ल का मुर्गी पालन महिलाओं को बनायेगा आर्थिक रूप से सशक्त

Training News

National Milk Day

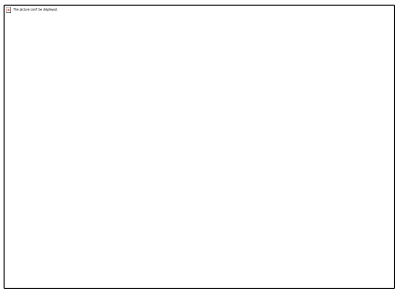
Field Visit

Mushroom Production unit

Mushroom Production unit

Field day on Makhana

World Water Day



Plantation programme

CRA field visit

Nutrition Garden & plantation programme

Campaning of Nutrition Garden & plantation programme

Plantation programme

Crop cafatriya

दैनिक भास्कर अररिया 16-09-2021

प्रथम दिन जिले के 30 युवक एवं युवती प्रशिक्षण में हुए शामिल

केवीके में पांच दिवसीय बकरी पालन प्रशिक्षण शुरू, युवाओं को मिलेगा लाभ

ग्रामीण क्षेत्र के लोग बकरी पालन कर आर्थिक स्थिति को कर सकते हैं मजबूत : डॉ विनोद

भास्कर न्यूज | अररिया

कृषि विज्ञान केंद्र में बुधवार से ग्रामीण युवक, युवतियों के लिए पांच दिवसीय बकरी पालन प्रशिक्षण का शुरुआत किया गया। प्रशिक्षण की शुरुआत कृषि विज्ञान केन्द्र के प्रधान सह वरीय वैज्ञानिक डॉ विनोद कुमार व पशु वैज्ञानिक डॉ रत्नेश कुमार चौधरी ने संयुक्त रूप से दीप प्रज्वलित कर किया।

प्रशिक्षण के प्रथम दिन जिले के विभिन्न प्रखंड से कुल 30 युवक युवतियों ने भाग लिया। कृषि विज्ञान केंद्र के प्रधान सह वरीय वैज्ञानिक ने प्रशिक्षण में बताया कि ग्रामीण क्षेत्र में बकरी पालन के युवक युवतियों को आगे आने की जरूरत है। ताकि उन्हें आय विकास बकरी पालन के माध्यम से हो सके। उन्होंने बताया कि जिले में बकरी पालन की अपार संभावनाएं हैं। ग्रामीण क्षेत्र के युवक युवती बकरी पालन कर अपने आर्थिक स्थिति को मजबूत कर सकते हैं। पशु वैज्ञानिक रत्नेश कुमार चौधरी ने बकरी पालन के लिए प्रशिक्षण देते हुए बताया कि प्रशिक्षण से पूर्व प्रशिक्षु का पूर्व मूल्यांकन किया गया है ताकि प्रशिक्षण के बाद आकलन किया जा सके कि प्रशिक्षण के उपरांत उन्होंने कितना ज्ञान हासिल किया है। इस पांच दिवसीय प्रशिक्षण में बकरी पालन में उद्यमिता की संभावना, बकरियों की पहचान, बकरियों के आवास, आहार व प्रजनन प्रबंधन पर विस्तृत रूप से प्रशिक्षण दिया गया। प्रशिक्षण में, नवीन कुमार, आफताब अहमद, अभिषेक कुमार व नीलम कुमार आदि सक्रिय रहे।

प्रशिक्षण कार्यक्रम में शामिल युवक व युवती।

Training News

Training Progarmme

On campus training on goat farming

Backyard Poultry

Button Mushroom

Field visit at G9 Banana field

Poultry weight taken at age of 8 weeks

Field visit at G9 Banana field

Field visit at Kitchan Garden field

Chick at the age of 2 weeks

Mushroom production training

Facilitated Input under NARI

अररिया-पूर्णिया

भागलपुर, शुक्रवार 07.01.2022 | प्रभात खबर | 06

मिले संसाधन व सुविधा तो नरपतगंज का बेला बन सकता है ऊन उत्पादन का हब

प्रभात खबर खास

- 40 पाल परिवार पालते हैं 12 सौ से ज्यादा भेड़, एक भेड़ से उत्पादित होता है डेढ़ सौ से 200 ग्राम ऊन
- कंबल का निर्माण कर गांव में ही करते हैं बिक्री, नहीं मिल रहा बाहरी बाजार
- एक कंबल के निर्माण में लग जाता है सात दिनों का समय, मिलती है दो हजार रुपये कीमत


भेड़ पालकों से बातचीत करते पशु चिकित्सक सह वैज्ञानिक डॉ विनोद कुमार.

कुमार प्रेम सागर, अररिया

जिले के नरपतंज के बेला गांव में अवस्थित रिफ्यूजी कॉलोनी शायद ही किसी को याद नहीं होगी. कुछ वर्षों पूर्व यहां पर एक हत्याकांड ने लोगों को झकझोरा था. बावजूद इसके बेला गांव का एक सकारात्मक पहलू भी है. इस गांव को रिफ्यूजी पाल परिवारों के द्वारा ऊन उत्पादन की एक अलग पहचान है. इन्हें अगर संसाधन व ऋण मिले तो नरपतगंज का बेला भी ऊन उत्पादन का बड़ा हब बन सकता है.खास तो यह है कि इन लोगों को भेड़ पालन की अच्छी जानकारी के साथ उनके रख-रखाव का भी अंदाजा है. इसलिए वे भेड़ से प्रति वर्ष 200 ग्राम तक ऊन उत्पादन कर रहे हैं. हालांकि इस गांव के 40 परिवारों के द्वारा लगभग 1200 भेड़ पाले जा रहे हैं. लेकिन उन्नत किस्म का भेड़ अगर इन्हें उपलब्ध हो तो यह प्रतिवर्ष एक भेड़ से एक किलोग्राम तक ऊन उत्पादन कर सकते हैं. हालांकि एक परिवार के द्वारा यहां एक वर्ष में 100 भेड़ से लगभग 20 किलो ऊन का उत्पादन किया जा रहा है. इन्हें सुविधा नहीं मिलने के कारण अब धीरे-धीरे इनकी उत्पादकता घटती जा रही है. ऐसे में जरूरत है इन्हें प्रोत्साहित करते हुए ऊन के उत्पादन को बढ़ाये जाने की, जिससे जिले में कुशल भेड़ पालकों व इस क्षेत्र में रोजगार की संभावनाओं को तराशा जा सके.

एक साल में 15 से 20 किलो का हो जाता है भेड़ का बच्चा

अपनी भेड़ों की देखभाल को लेकर विजय पाल, ललित पाल, राज कुमार पाल बताते हैं कि भेड़ों को चारे के रूप में पत्ते, फुल, लोबिया, बरसीम, फलियां आदि पसंद हैं. इसके अलावा भेड़ पेड़ों के पत्ते, झाड़ियां व जड़ वाले पौधे खाना पसंद करते हैं. वे दिन में दो बार उनको चराने ले जाते हैं. इसके अलावा वे उन्हें अकसर ही पास के जंगल में घुमाने भी लेकर जाते हैं. जहां भेड़ पेट भर कर चारा खा लेती है. इससे उनका पेट भी साफ रहता है. वह सही से दूध दे पाती है. वहीं भेड़ पालक राज कुमार पाल बताते हैं कि उनके पास 100 भेड़ हैं. एक साल में एक भेड़ दो बच्चे को जन्म देती है. एक भेड़ 200 ग्राम ऊन देती है. जिससे वह कंबल बना कर गांव में ही दो हजार में बेच देते हैं. एक भेड़ अगर 20 किलोग्राम का है तो 13 हजार रुपये का हो जाता है. भेड़ पालन से मुनाफा हमारी मेहनत व लगन पर निर्भर करता है.

अब पुश्तैनी काम छोड़ लोग अपना रहे हैं दूसरा व्यवसाय

वहीं ललित पाल कहते हैं कि भेड़ के बाल से तैयार होने वाले कंबल का व्यवसाय पर ग्रहण लगता जा रहा है. एक कंबल के लिए तीन से चार किलो भेड़ का बाल लगता है. एक कंबल तैयार करने में एक सप्ताह का समय लगता है. लेकिन मेहनत के अनुसार रुपये नहीं मिलते हैं. वहीं पुश्तैनी काम छोड़ अब पाल परिवार दूसरे व्यवसाय की ओर रुख करने लगे हैं. बाल से बने कंबलों का बड़े पैमाने पर निर्माण करने के बावजूद उचित कीमत नहीं मिलती है. भेड़ का मनुष्य से संबंध आदि काल से ही है. भेड़ पालन एक प्राचीन व्यवसाय है. भेड़ पालक भेड़ से ऊन व मांस तो प्राप्त करता ही है, भेड़ की खाद भूमि को भी अधिक ऊपजाऊ बनाती है. अगर सरकार से पाल समाज के लोगों को कुछ मदद मिल जाती तो अररिया जिला भी ऊनी कपड़ों का बड़ा हब बन सकता है.

प्रशिक्षण प्राप्त कर लिया जा सकता है अच्छा उत्पादन

अररिया जिले में भी भेड़ पालन हो रहा है. भेड़ पालक कृषि विज्ञान केंद्र से प्रशिक्षण प्राप्त कर भेड़ पालन कर सकते हैं. व्यवसाय के दृष्टिकोण से भेड़ पालन करने के लिए विभिन्न तरह की प्रबंधकों की जानकारी प्राप्त कर अच्छी-खासी आमदनी प्राप्त की जा सकती है.

डॉ विनोद कुमार, वैज्ञानिक, कृषि विज्ञान केंद्र

पशु चिकित्सक डॉक्टर रत्नेश्वर चौधरी ने बताया कि अररिया जिले में भी भेड़ पालक मौजूद हैं. लेकिन भेड़पालन से संबंधित महत्वपूर्ण जानकारी नहीं रहने के कारण भेड़ पालकों को नुकसान झेलना पड़ता है. जैसा कि भेड़ पालक से बातचीत करने पर पता चला कि वह भेड़ को घुमा-घुमा कर पाल रहे हैं. लेकिन भेड़ को संतुलित आहार ही देना चाहिए. भेड़ पालक के लिए यह महत्वपूर्ण है कि भेड़ के आहार का प्रबंध अच्छी तरह से करें, जिससे ऊन व मांस दोनों का उत्पादन सही से हो सके. अच्छे नस्ल की भेड़ एक साल में दो किलोग्राम ऊन दे सकती है.

डॉ रत्नेश्वर चौधरी, पशु चिकित्सक सह पशु वैज्ञानिक

प्रभात खबर Fri, 07 January 2022 https://epaper.prabhatkhabar.com/c/65452487

महोत्सव में किसानों को दिए गए टिप्स

संवाद सूत्र, ताराबाड़ी (अररिया) : कृषि विज्ञान केंद्र अररिया में गुरुवार को आजादी के 75 वर्ष पूर्ण होने पर किसानों के लिए खाद्य एवं पोषक विषय को लेकर अभियान का आयोजन किया गया। कार्यक्रम का आयोजन आजादी के अमृत महोत्सव के अवसर पर किया गया। गोष्ठी में केंद्र के वरीय विज्ञानी एवं प्रधान डा विनोद कुमार किसानों को संबोधित किए एवं बताया कि गांव में कौन-कौन सी खाद्य वस्तुओं आसानी से उपलब्ध होता जो पोषण से भरपूर होता हो। जिसे उपयोग कर किसान स्वस्थ रह सकता है। बताया कि स्वस्थ किसान ही स्वस्थ उत्पाद उपजा सकता है। डा रत्नेश कुमार ने जानकारी दी।

दैनिक जागरण:27-08-21 संतोष अररिया

News paper

सरदार वल्लभ भाई पटेल की जयंती

इंदिरा गांधी की पुण्यतिथि व पटेल की जयंती मनायी

एस टू आर्ट गैलरी में मनाया गया राष्ट्रीय एकता दिवस

एकता दिवस

प्रभात खबर Mon, 01 November 2021 https://epaper.prabhatkhabar.com/c/64090217

दैनिक भास्कर अररिया 01-11-2021

कृषि विज्ञान केंद्र में वैज्ञानिकों ने मनाए लौह पुरुष की जयंती

भास्कर न्यूज।अररिया

मखाना उत्पादन के लिए जोड़े जायेंगे 75 किसान

अररिया. जिला मुख्यालय अंतर्गत कृषि विज्ञान केंद्र के द्वारा बायोटेक किसान हब परियोजना के तहत वरीय वैज्ञानिक व प्रधान डॉ विनोद कुमार के दिशा निर्देश पर बुधवार को मखाना उत्पादन, बकरी पालन व टिशु कल्चर केला के उत्पादक किसानों को लाभान्वित किया जा रहा है. इस परियोजना के तहत 24 नवंबर को मखाना उत्पादक किसानों के बीच चातर पंचायत के तिरहुत बिट्टा गांव में जागरूकता कार्यक्रम रखकर किसानों को जागरूक किया गया. इस परियोजना के तहत इस वर्ष कुल 75 नए किसानों को जोड़ा जायेगा. इस कार्यक्रम में मखाना के उन्नत प्रभेद सबौर मखाना वन जिसकी उत्पादन क्षमता 30 से 34 क्विंटल प्रति हेक्टेयर होती है. इसमें मौजूद पोषक तत्व के बारे में 362 किलो कैलोरी प्रति 100 ग्राम 76 पॉइंट 9 प्रतिशत कार्बोहाइड्रेट व जीरो पॉइंट 5 प्रतिशत मिनरल पाये जाते हैं. मखाना उत्पादकों को मार्केट से जुड़ने के लिए जीआई टैग इन व इस परियोजना से मिलने वाले लाभ जैसे मखाना के उन्नत प्रभेद के बीज खाद व कीटनाशक के बारे में विस्तृत जानकारी दी गई. इस कार्यक्रम में किसान काफी उत्साहित दिखे. मौके पर कृषि विज्ञान केंद्र अररिया की यंग प्रोफेशनल कुमारी रागनी व निषी कुमारी के द्वारा किसानों के साथ मखाना के प्रक्षेत्र का भ्रमण कर मखाना खेत का चयन किया गया.

रासायनिक खाद का उपयोग करने से मिट्टी की संरचना होती है खराब, उत्पादन पर भी पड़ता है गलत प्रभाव

- कृषि विज्ञान केंद्र में विश्व मृदा दिवस मनाया

प्रतिनिधि, अररिया


दीप प्रज्वलित करते वरीय वैज्ञानिक व अन्य .

जिला मुख्यालय अंतर्गत कृषि विज्ञान केंद्र अररिया में रविवार को विश्व मृदा दिवस के रूप में मनाया गया. जिसका विषय मिट्टी की लवणता को रोकने मिट्टी की उत्पादकता को बढ़ावा देने पर एक दिवसीय जागरूकता कार्यक्रम का आयोजन सम्मिलित रूप से दीप प्रज्वलित कर किया गया. जिसमें केंद्र के वरीय वैज्ञानिक व प्रधान डॉ विनोद कुमार के दिशा निर्देश से मृदा वैज्ञानिक डॉ अनिल ने जिले से आए हुए विभिन्न किसान व भोला पासवान शास्त्री कृषि महाविद्यालय पूर्णिया से आए हुए 11 छात्र-छात्राओं को मृदा के बारे में विस्तार से जानकारी दी. उन्होंने बताया कि विश्व मृदा दिवस का उद्देश्य खाद्य सुरक्षा व कृषि के साथ-साथ जलवायु परिवर्तन के सम्मान गरीबी उन्मूलन व सतत विकास के लिए मिट्टी के महत्व के बारे में दुनिया भर में जागरूकता बढ़ाना है. खेत में ज्यादा रसायनिक उर्वरकों का उपयोग करने से मिट्टी की संरचना खराब होने लगती है. जबकि फसल की अच्छी पैदावार के लिए मिट्टी का उपजाऊ व स्वस्थ रहना बहुत जरूरी होता है. मिट्टी की उर्वरता को बनाए रखने के लिए विशेष ध्यान रखने की आवश्यकता है. जिससे फसल की उपज पर असर ना पड़े उसके लिए संतुलित पोषक तत्व की आवश्यकता होती है. खेत में फसल की बुवाई से पहले मिट्टी की जांच जरूर करें इसके बाद पोषक तत्वों का प्रयोग करें. इससे फसल के उत्पादन की गुणवत्ता बढ़ेगी. साथ ही मिट्टी की पोषक तत्व के भंडार भी बढ़ेंगे. मिट्टी की उर्वरता शक्ति को बनाए रखने के लिए संतुलित पोषण की मुख्य भूमिका है. पोषक तत्व जैसे लोहा जिंक कॉपर कि उचित मात्रा के प्रयोग से फसल को फायदा होता है. इस कार्यक्रम में मौसम वैज्ञानिक प्रभात कुमार ने अपने संबोधन में मिट्टी में उर्वरता शक्ति को बनाए रखने के लिए लंबी व जल्दी से बढ़ने वाली फसलों के बाद बौनी फसलों को लगाने की सलाह दी क्योंकि गन्ने के बाद चारा फसलों को उगाने से मिट्टी की उर्वरता घटती है. इसलिए गन्ने के बाद दलहनी फसलों की खेती करें जिससे मिट्टी की उर्वरता शक्ति बढ़ती है. वहीं आफताब आलम ने किसानों को संबोधित करते हुए बताया कि मिट्टी में पानी में घुलनशील अवलों के निर्माण को लावणी करण कहा जाता है. आमतौर पर इसमें अन्य रसायनों के अलावा सोडियम, पोटैशियम, कैल्शियम मैग्निशियम, सल्फेट, क्लोराइड कार्बोहाइड्रेट व बाइकार्बोनेट शामिल हैं. सामग्री के आधार पर नमक से प्रभावित पृथ्वी को खारा सोडा या लवणीय सोडिक के रूप में छा गया है. पौधे की वृद्धि पर मिट्टी की लवणता का मुख्य प्रभाव जल अवशोषण में कमी है. मिट्टी में पर्याप्त नमी होने पर भी पानी के अवशोषण में कमी के कारण फसलें मुरझा जाती हैं व मर जाती हैं. जिसको संरक्षित करना अति आवश्यक है व कृषि मिट्टी की उत्पादकता के महत्व को विस्तार पूर्वक समझाएं इस कार्यक्रम में कुमारी रागिनी, निशा कुमारी व केंद्र के अन्य कर्मियों सहित प्रखंड से आए हुए करीब 50 महिला व पुरुष किसानों ने भाग लिया.

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अररिया जागरण

बदलते मौसम में आधुनिक ढंग व नई तकनीक से हम बढ़ रहे आगे : सांसद

अररिया कृषि विज्ञान केंद्र में कृषक वैज्ञानिक समागम का हुआ आयोजन

दैनिक भास्कर अररिया 04-09-2021

जीरो टिलेज विधि से खेती करने का दिया सुझाव

केवीके के तकनीकी सहायक ने किसानों को किया जागरूक

भास्कर न्यूज | अररिया


किसानों को जागरूक करते तकनीकी सहायक।

जिले में मौसम अनुकूल खेती के लिए कृषि विज्ञान केन्द्र व आत्मा के सहयोग से एक दिवसीय परिभ्रमण किया गया। जिसमें कृषि विज्ञान केन्द्र के प्रधान सह वरीय वैज्ञानिक डॉ. विनोद कुमार के निर्देश पर तकनीकी सहायक संतोष कुमार पंडित फारबिसगंज प्रखंड के टेढ़ी मुसहरी पंचायत स्थित चयनित सुखी गांव में किसानों को जीरो टिलेज व ड्रम सीडर से कतार में धान की बुआई करने व अन्य तकनीकियों के बारे में बारीकी से बताया। उन्होंने कृषि में उपयुक्त यंत्रों का अवलोकन किया और किसानों को जीरो टिलेज से होने वाले फायदा के बारे में बताया। उन्होंने किसानों को बताया कि जीरो टिलेज से खेती करने से खेत की उर्वरा शक्ति को बढ़ा सकते है। सबसे बड़ी बात किसान अपनी लागत मूल्य में भी 70 से 80 प्रतिशत तक राशि बचा सकते हैं और इस विधि में किसानों को समय का भी बचत होता है। मौके पर आत्मा के बीटीएम खगेश कुमार, एटीएम इंद्रजीत कुमार निरंजन, चंदन कुमार राजेश मेहता, रविन्द्र मोहन मेहता, नवीन यादव, प्रीतम कुमार मौजूद थे।

दैनिक भास्कर अररिया 30-01-2021

बेरोजगार युवाओं को चारा प्रबंधन पर दिया गया 4 दिवसीय प्रशिक्षण

भास्कर न्यूज | अररिया

कृषि विश्वविद्यालय सबौर के कुलपति डॉ.आर के सुहाने के निर्देश पर कृषि विज्ञान केंद्र में बेरोजगार युवक युवतियों को 4 दिवसीय रोजगार परक प्रशिक्षण दिया गया। कृषि विज्ञान केंद्र के वरीय वैज्ञानिक सह प्रधान डॉ एके सिन्हा के नेतृत्व में चार दिवसीय प्रशिक्षण में दुधारू पशुओं का आहार प्रबंधन विषय पर जानकारी दिया गया।

यह प्रशिक्षण पशु वैज्ञानिक डॉ रत्नेश कुमार चौधरी ने दिया। प्रशिक्षण में दुधारू गाय का आहार प्रबंधन में नवीनतम तकनीकी की जानकारी दी गई।बेरोजगार युवक व युवती को घर में स्थानीय स्तर पर मिश्रीत दाना तैयार करने , घर में खुद से बायपास प्रोटीन बनाने की तकनीक, अजोला का महत्व व उत्पादन, पुआल को सूरिया से उपचारित करने की विधि व पशु को चारा खिलाने की मात्रा की जानकारी दी गई। दुधारू पशुओं में दूध उत्पादन के लिए हरे चारे का महत्व व वर्ष भर हरा चारा किस प्रकार उत्पादन करें इसकी जानकारी दिया गया। प्रशिक्षण के अंतिम दिन केंद्र के प्रधान ने युवक-युवतियों को प्रमाण पत्र प्रदान किया गया।

प्रशिक्षण में शामिल युवक युवती

किसानों को कृषि व सिंचाई की तकनीकी जानकारी देना ही हमारी प्राथमिकता है : डॉ विनोद कुमार

- कृषि विज्ञान केंद्र के वरीय वैज्ञानिक सह प्रधान डॉ विनोद कुमार ने अररिया में दिया योगदान

प्रतिनिधि, अररिया

डॉ विनोद कुमार वरीय कृषि वैज्ञानिक .

किसानों को कृषि व सिंचाई संबंधी नई-नई तकनीकी की जानकारी देना कृषि विज्ञान केंद्र का मुख्य उद्देश्य है. यह बातें कृषि विज्ञान केंद्र के वरीय वैज्ञानिक सह प्रधान डॉ विनोद कुमार ने अररिया में योगदान के बाद पत्रकारों से बातचीत के दौरान कही. वृध्यवार को कृषि कार्यालय में मीडिया से मुखातिब होते हुए कहा कि किसानों को अधिक से अधिक लाभ दिलाना हमारी प्राथमिकता होगी. उन्होंने कहा कि किसान देश की रीढ़ व अन्नदाता हैं. कृषि विभाग में इनकी सारी योजनाएं व कर्मी की नियुक्ति का मात्र एक मकसद है कि किसानों में खुशहाली कैसे आवे साथ ही उनका कृषि उत्पादन कैसे बढ़े. इस पर खास तौर से काम करना है. डॉ विनोद कुमार ने कहा कि मैं जहां भी रहा हूं, वहां के किसानों से बेहतर संबंध रहा है.

उन्होंने कहा कि पत्रकार स्थानीय होते हैं, उन्हें क्षेत्र के किसान व उनकी समस्या की बेहतर जानकारी होती है. ऐसे में किसान की समस्या को लेकर उनका जो भी सुझाव प्राप्त होगा में उस दिशा में बेहतर काम करने का प्रयास करूंगा. कृषि विज्ञान केंद्र समय समय पर किसानों के लिए प्रशिक्षण का आयोजन कर उन्हें कृषि संबंधी नई तकनीक की जानकारी देने का काम करती है. उन्होंने कहा कि डिले में मछली पालन, बकरी पालन, डेयरी, क्रॉस ब्रिड, मशरूम उत्पादन की काफी बेहतर संभावना है. इसे प्रोत्साहन देने की दिशा में केवीके काम करेगी. हालांकि उन्होंने स्वीकारा की अररिया में छह वैज्ञानिक की जगह मात्र दो ही वैज्ञानिक स्थिलाल हैं. कर्मी की कर्मी भी है फिर भी उसी संसाधन में जिले में बेहतर काम करने का प्रयास रहेगा. उन्होंने कहा कि जिले के अनुभवी व पुराने किसानों से भी मैं संपर्क कर उनके अनुभव का लाभ जिला के किसानों को दिलाने का काम करूंगा. इसके अलावा जैविक खाद, बेहतर बीज व खेती की नई तकनीक किसानों तक पहुंचाने का प्रयास जारी रहेगा. मौके पर कृषि वैज्ञानिक डॉ रत्नेश कुमार ,आफ्ताब आलम व अन्य कर्मी मौजूद थे.

मधुमक्खी पालन की अपार संभावनाएं

अररिया | निज प्रतिनिधि

बढ़ेगी आमदनी

- जिनके लिए जो योजना है उन तक पहुंचाने का होगा भरपूर प्रयास
- नए पदस्थापित कृषि विज्ञान केंद्र के वैज्ञानिक मीडिया से रूबरू रूबरू

डॉ. विनोद कुमार, कृषि वैज्ञानिक।

अररिया जिले में मशरूम व मधुमक्खी पालन के साथ-साथ डेयरी की अपार संभावनाएं है। इसके लिये किसानों को आगे आने की जरूरत है। मशरूम व मधुमक्खी आदि के जरिये किसान अच्छी आमदनी ले सकते है।

किसान परंपरागत खेती को छोड़ कुछ अलग तरह की खेती करें, ताकि उनकी आय बढ़े और परिवार खुशहाल हो सके। यह बातें कृषि विज्ञान केंद्र के नव पदस्थापित प्रधान वैज्ञानिक डा. विनोद कुमार ने कही। बुधवार को अपने कार्यालय कक्ष में मीडिया से रूबरू वरीय वैज्ञानिक डा. विनोद ने कहा कि अररिया जिले में आधारभूत संरचनाओं की कमी है। केवीके में वैज्ञानिकों की भारी कमी है, बावजूद किसानों का योजना सही किसान तक पहुंचे इसका पूरा प्रयास किया जाएगा। किसान यहां आकर कुछ सीखकर जाये, केवीके को इस लायक बनाया जाएगा। आवासीय प्रशिक्षण के साथ यहां डेयरी फार्मिंग की व्यवस्था होगी।

उन्होंने कहा कि केवीके में छह विषय वस्तु विशेषज्ञ के जगह महज एक कार्यरत है, इस कारण कामकाज निबटाने में कुछ दिक्कतें जरूर होती। उन्होंने कहा कि जो योजना जिनके लिये है वहां तक पहुंचे उनकी पहली प्राथमिकता होगी।

जिले में बेहतर कार्य करने वाले किसानों को लाभ का मास्टर ट्रेनर बनाया जाएगा ताकि वे किसानों को किसान की भाषा में ही प्रशिक्षण दे सकें। मौके पर वैज्ञानिक डा. रोशन कुमार, मौसम वैज्ञानिक प्रभात कुमार, अंकित आनंद आदि मौजूद रहें।

दैनिक भास्कर अररिया 12-08-2021

किसानों को लाभ पहुंचाना प्राथमिकता : डॉ विनोद

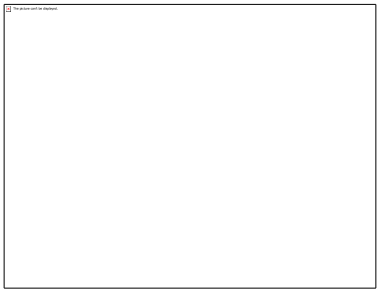
भास्कर न्यूज | अररिया

कृषि विज्ञान केंद्र के प्रधान सह वरीय वैज्ञानिक डॉ. विनोद कुमार ने प्रभार लेते ही प्रेस वार्ता कर किसानों को लाभान्वित करने की बात बताई। उन्होंने बताया कि मेरी पहली प्राथमिकता किसानों को तकनीकी विधि से खेती करने के लिए जागरूक करना है। ताकि किसान अपनी खेत में फसल उत्पादन बढ़ाकर अपनी आर्थिक स्थिति मजबूत कर सके। कृषि विज्ञान केंद्र की आधारभूत संरचना करने की जरूरत है। कुछ किसान यहां रहकर भी खेती करने के लिए सीखे उसके आवासीय प्रशिक्षण की शुरुआत की जाएगी। यहां पर मधुमक्खी पालन, गाय पालन, बकरी पालन को लेकर प्रशिक्षण दिया जाएगा। बुधवार को केवीके कार्यालय में मीडिया से मुखातिब होते हुए उन्होंने कहा कि किसानों को अधिक से अधिक लाभ दिलाना ही हमारी प्राथमिकता होगी। मौके पर पशु वैज्ञानिक डॉ रत्नेश कुमार, आफ्ताब आलम, प्रभात कुमार, रागिनी आदि मौजूद थे।

पत्रकारों को संबोधित करते डॉ. विनोद कुमार।

4 THURSDAY 12 AUGUST 2021 website : www.taasir.com TAA Pat

کسانوں کو آبپاشی کے بارے میں تکنیکی معلومات دینا ہماری اولین ترجیح: ڈاکٹر ونود کمار



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