



KRISHI VIGYAN KENDRA .BASTI



ANNUAL PROGRESS REPORT (FROM JANUARY 2023 TO DECEMBER 2023)



A. N. D. UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Kumarganj, Ayodhya, U.P.

DIRECTORATE OF EXTENSION

S.N.	Particulars	Page No.
1.	APR -Summary	3-4
2.	General Information	5
3.	Staff Position	6-9
4.	Infrastructural Development & Details of District	10-14
5.	Thrust Area	16
6.	Programme for Doubling farmer's Income	16-17
7.	Technical achievement	18
8.	Technology assessment and refinement	19-28
9.	Frontline Demonstration	29-41
10.	Natural Farming	42-45
10.	Training Programme	46-71
11.	Extension activities	71
12.	Seed and planting materials production/Bio Products & Live Stock	72-75
13.	Soil , Water & Plant Analysis	76-78
14.	Success Story	79-84
15.	NARI, ARYA, NICRA,SWACHHATA ABIYAN MISSION etc.	85-87

Krishi Vigyan Kendra, Basti U.P.

Progress Report

(January 2023 to December 2023)

SUMMARY

1. Training Programmes (ON/OFF Campus)

Clientele	No. of Courses	Male	Female	Total participants
Farmers & Farm women	110	2237	695	2932
Rural Youths	18	338	108	446
Extension functionaries	07	115	57	172
Vocational Training	06	107	33	140
Sponsored	06	287	107	394
Total	147	3084	1000	4084

2. Front Line Demonstration (FLD) /Cluster Frontline Demonstrations (CFLD)

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	270	150.00	-
Pulses	48	18.0	-
Cereals	262	81.00	-
Cereals by Super Seeder-RCT	45	18.0	-
Nutritional Garden	20	0.40	-
FLD under NARI (Nutritional Garden+Bio fortified crop+Value Addition)	25	1.20	-
Total	670	268.60	-
Livestock & Fisheries	55	-	50 buffalo & 05-Barbari Buck
Oat	42	4.10	-
Hybrid Napier Bajra	30	0.50	-
Total	127	4.60	-

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	06	30	30
Livestock	02	10	10
Various Enterprises	02	10	10
Total	10	50	50

4. Extension Programme

Category	No. of Programmes	Total Participants
Extension activities	20	9394
Other Extension activities	11	109
Total	31	9503

5. Mobile Advisory Service

Name of KVK	Message Type	Type of Messages						
		Crop	Live stock	Weather	Marketing	Awar - eness	Other enterprise	Total
Krishi Vigyan Kendra, Basti	Text only	75	38	29	6	42	6	164
	Voice only	110	21	8	7	52	7	170
	Voice & Text both	8	16	10	8	45	8	74
	Total Messages	193	75	47	21	139	21	408
	Total farmers Benefitted	9521	2854	721	310	10024	411	23841

7. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (qt)	395.85	1310250
Planting material (No.)	36548	345142
Bio-Products (kg)	55 kg	550
Livestock Production (No.)	100 (10 Goat & 90 Poultry)	114500
Fishery production (No.)	51 kg table size	9180

8. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil 2454	3011 (91 village covered)	-
Water	-	-
Plant	-	-
Total 2454	3011	-

9. HRD & Publications

Sr. No.	Category	Number
1	Workshops	04
2	Conferences	02
3	Meetings	06
4	Trainings for KVK officials	03
5	Visits of KVK officials	08
6	Book published	-
7	Training Manual	-
8	Book chapters	01
9	Research papers	03
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	04
13	Proceedings	01
14	Award & Recognition	-
15	On Going Research projects	04

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E- mail
	Office	FAX	
Krishi Vigyan Kendra, Basti Post – Katya, Distt. – Basti U.P. Pin – 272302			kvkbasti@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya-224 229 U.P. India.	05270-262821	0527026282	vc_nduat2010@gmail.com





1.3. Name of the Head with phone & mobile No




Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. S.N. Singh	9450547719	9450547719	kvkbasti@gmail.com





1.4. Year of sanction: 1985 by order no. 22(18)/83-kvk dated 15.01.1985 (as per MOU)

Staff Position as on 31-12-2023

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Sr. Sc. & Head	Dr .S.N. Singh	Prof& Head	Agril. Ext.	37400-67000	7th CPC	211800	07.01.2005	Permanent	General	+91-94450547719	sn Singhpc@gmail.com	
2	Subject Matter Specialist	Dr. D.K. Srivastava	SMS	Animal Sc.	37400-67000	7th CPC	156900	12.01.2005	Permanent	General	91-8737983981	Srivastavadk3@gmail.com	

6	Subject Matter Specialist Dr. Anjali Verma	SMS	Home Science	15600-39100	7 th CPC	56100	18.05.2022	Permanent	OBC	+91-9310705532	Anjali19091@gmail.com	
5	Subject Matter Specialist Dr. Manoj Kumar .Singh	SMS	Horticulture	15600-39100	7 th CPC	73200	26.07.2013	Permanent	General	+91-9450091686	manoj Singh3003@gmail.com	
4	Subject Matter Specialist Dr. V.B. Singh	SMS	G.P.B	15600-39100	7 th CPC	71100	26.07.2013	Permanent	General	+91-7235073921	Vbs.nduat12@gmail.com	
3	Subject Matter Specialist Dr. Prem Shanker	SMS	Plant Pathology	15600-39100	7 th CPC	71100	27.07.2013	Permanent	SC	+91-9616297380	drprem.ppa@gmail.com	

6	7	8
Comp. Programmer	Programme Asstt.	Subject Matter Specialist
J.P. Shukla	Dr. S.K. Mishra	Hari Om Mishra
P.A(Comp)	Programme Asstt.	SMS
computer	Agriculture	Agronomy
9300-34800	15600-39100	15600-39100
7 th CPC -	7 th CPC	7 th CPC
72100	90300	57800
16.02.2005	11-8-1992	18.05.2022
Permanent	Permanent	Permanent
General	General	General
+91-9721201183	+91-9450562532	+91-8004499791
kvkbasti@gmail.com	kvkbasti@gmail.com	hariommishra171@gmail.com
		

10	Assistant	Nikhil Singh	Accountant	finance	-	7 th CPC	39900	22.08.2019	Permanent	General	9473885544	nikhilesys@gmail.com	
11	Driver	Sri Avinash Kumar Singh	Tractor Driver	High School	-	7 th CPC	21100	2.9.2019	Permanent	General	+91-8853932929	-	
12	Driver	Yogendra Kumar Singh	Driver cum Mechanic	Intermediate	-	7 th CPC	22400	31.08.2019	Permanent	General	9451730087	-	
13	Supporting staff	Mr. Banarasi Lal	Attendant/Cook	Junior high school	5200-20200	7 th CPC	33000	12.1.2005	Permanent	General	9554106566	-	

1.6. Total land with KVK (in ha.)

S. No.	Item	Area (ha)
1.	Under Buildings	1.20
2.	Under Demonstration Units	2.40
3.	Under Crops	12.00
4.	Mother Fruit Plant orchard	2.00
5.	Vegetable Production	0.40
6.	Orchard /Agro Forestry	1.60
7.	Others (specify)	0.40
8.	Total	20.00

1.7. Infrastructural Development:
A)

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1992-93	500	25.0	-	-	Complete
2.	Farmers Hostel	ICAR	2002-03	30	20.0	-	-	Complete
3.	Staff Quarters (6)			400	29.43	-	-	Complete
4.	Demonstration Units (2)	ICAR	2007-08	160	8.28	-	-	Complete
5.	Fencing	ICAR	2006-07	2000	13.75	-	-	Complete
6.	Rain Water harvesting system					-	-	-
7.	Threshing floor	ICAR	2006-07	289	2.99	-	-	Complete
8.	Farm godown	ICAR	2007-08	70	3.73	-	-	Complete

B) RKVY Funded Infrastructure at KVK- Basti

S. No.	Particulars	Area/No.	Cost of Unit (Rs. In lac)	Present Status
1	Establishment of mother fruit plant orchard (1.0 ha)	1.0 ha	0.50	Completed
2	Fish Pond (20 X 50) sq. mt	0.10 ha	2.50	Completed
3	Solar Energy- Street Light	10	0.245	Completed
4	Solar Inverter-1	5KVA	5.00	Completed
5	Solar Pump-1	7.5 HP	8.00	Completed
6	RCC Road	800 meter	0.22/sq.mt	Completed
7	Training Hall	305 sq.mt	57.80	Completed
8	Boundry wall	2000 mt	0.08	Completed
9	Poultry	01	6.75	Completed
10	Agri Farm-Tool Workshop	600 sq.ft	6.00	Completed
11	Vermi compost Unit	01(4pit)	2.00	Completed
12	Azola Unit	01(4tank)	0.50	Completed
13	Main Gate	01	2.20	Completed

14	Poly house & NET House	560 sq mt.	8.50	Completed
15	Leveling and bunding	12.00 ha	12.00	Completed
16	Sprinkler System Irrigation	01	0.60	Completed
17	Juggery Processing Unit& Funded by IISSR, Lucknow	01	35.00	Completed
18	Scientific museum	01	2.00	Completed
19	Honey Bee Unit	01	0.50	Completed

c) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Bolero)	2019-20	8,00,000	103455	Good condition
Motor Cycle	2009-10	50,000	40510	Good condition
Tractor (Messi)	2011-12	5,00,000	4192 Hrs.	Good condition

1.8. A) Details SAC meeting conducted in the year 2022 : Not conducted

2. DETAILS OF DISTRICT (31Dec., 2023)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Rice – wheat , Rice-Wheat-Sugarcane based
2	Paddy + Toria + Sugarcane , Urd + wheat based
3	Urd + potato + onion + okra
4	Crop Production+Vegetable
5	Crop Production+Vegetable+Poultry+Fish Production enterprises

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography) Agro-climatic Zone: North Eastern Plain Zone:

North Eastern Plain Zone consists of 11 districts viz. Bahraich, Sravasti, Gonda, Balrampur, Siddarth Nagar, Basti, Santkabir Nagar, Gorakhpur, Mahrajganj, Kushi Nagar and Deoria. It has an area of 33217 sq. km. which is 11.3% of the total area of the entire state. It has dance population about 1,59,66,722 which accounts for 15.37% of the population of the state. The average density of the population is 491.2/sq.km.

There are two types of soil, namely alluvial and calcareous. Alluvial soils are either sandy, sandy loam or clay loam. Besides, diara lands area also found in this zone. Rice–wheat is common crop rotation under irrigated condition. The deficiency of nutrients like nitrogen, phosphorus, zinc, sulphur and iron are mostly observed in this zone. The organic matter content varies between 0.20 to 0.40% and pH 6.0 to 8.5.

S. No	Agro-climatic Zone	Characteristics
1	North Eastern Plain Zone	Irrigated loam soil
2		Irrigated sandy loam soil
3		Irrigated sandy soil
4		Rain fed sandy /loam soil
5		Flood prone/water logged

2.3 Soil types

S. No	Soil type	Characteristics	Area in ha
1	Sandy Soil	This type of soil contains about 80% sand and 10% silt and 10% clay. It is highly porous and poor water retention capacity.	41700
2	Sandy Loam Soil	The loamy soil contains about 50-80% comparatively less percent of silt and clay, which is about 15-25% and 10-20% respectively.	37530
3	Loam Soil	The loam soil may be defined as a mixture of sand, silt and clay particles, which exhibit about 30-50% sand and silt and 10-30 % clay particles.	83400
4	Clay loam soil	This soil carries about 35 % clay particles and silt particles and contains about 30% of sand unit. This type of soil can easily retain moisture and it is sticky in nature.	45870

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qt)	Productivity (Qt /ha)
1.	Rice	102.314	215.473	21.06
2.	Wheat	119033	383.048 mt	32.18
3.	Maize	80.000	240.00	30.00
4.	Lentil	2106.000	14.76	7.01
5.	Gram	985.000	877.00	891
6.	Pea	5476.000	6380.00	11.65
7.	Arhar	8,140.000	87,912.00	10.80
8.	Toria	886.405	5.868.00	9.16
9.	Rai	2180 .000	20,601.00	9.45
10.	Sesamum	1690.000	3300.00	1.95
11.	Groundnut	1690.000	1670.00	9.88
12.	Urd	772.000	521.00	6.75

2.5. Weather data

Month	Rainfall (mm)	Temperature °c		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Jan-2023	33.5	19.5	7.8	88	61
Feb-2023	3.0	25.5	10.6	84	63
March-2023	0	31.5	14.9	77	44
April-2023	0	35.8	20.5	79	51
May-2023	0	39.0	24.0	85	39
June-2023	38.0	38.0	26.6	75	35
July-2023	152.6	34.0	26.0	91	62
August-2023	127.4	32.8	25.0	93	63
September-2023	203.4	30.0	24.1	89	64
Oct 2023	0.00	25.0	19.5	91	
Nov.2023	0.00	20.8	17.5	92	58
Dec. 2023	0.00	18.5	15.5	94	59

2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Buffalo cattle cross breed- indigenous	118026	172561 lit	4.3/lit/day
Goat	144455	68576 kids	10 kg/year
Poultry			
Hens	-	-	-
<i>Desi</i>	12500	1700000	200 egg/year
<i>Improved</i>	78930	357860	2.00 kg
Ducks	750	-	-
Fish-indian	1040 la	1800 tonne	20.00 qt/ha

2.7 Details of Operational Area / Villages

Sl. No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Basti	Sadar	Awasthipur, Gaura, Manjharia, Katya. Chitargadiya	Til, Paddy, Wheat, Sugarcane	Low yield of oil seed, pulse & cereal crops	Poor quality seed <ul style="list-style-type: none"> • Imbalance use of fertilizers • Improper sowing technique • Untimely sowing • Improper crop rotation
2	Harraiya	Kaptanganj	Kharika Deori ,Manjha Pariwarpur, Ranipur	Paddy wheat sugarcane vegetable	Low yield	Improper sowing technique <ul style="list-style-type: none"> • Untimely sowing • Improper crop rotation • Severe attack of pod borer • Weed infestation • Severe attack of top borer & wilt

3	Basti Sadar	Bahadurpur	Pipra gautam, Kudha Patti, Bhelwal, Dhaurahra	Til, Paddy, Wheat, Potato	Unbalance use of HPK Low yield of pulse & cereal	<ul style="list-style-type: none"> • Improper sowing technique • Untimely sowing Desi breeds of animals imbalance feeding <ul style="list-style-type: none"> • Improper stocking
4	Harriya	Harriya	Majhgawan	Til, Paddy, Wheat, Potato	Unbalance use of HPK Low yield of pulse & cereal	Severe attack of pod borer <ul style="list-style-type: none"> • Weed infestation • Severe attack of top borer & wilt • No use of bio fertilizer
5	Harriya	Vikramjot	Charthi bhatt, Pure Hemraj	Til, Paddy, Wheat, Sugarcane	Water logging area and crop intrusion of wild animals .	Low production

2.8 Priority/Thrust Area:

- 1 Management of Rice – wheat cropping system.
- 2 Promotion of flood tolerance variety of rice & sugarcane.
- 3 Promotion of resources conservation technologies.
- 4 Promotion of fruit crops: Mango, Anola, Papaya and Litchi.
- 5 Promotion of high – Value Vegetable Production.
- 6 Promotion of Breed improvement in Buffalo, Cattle and Goat & Value added dairy products.
- 7 Entrepreneurship development in rural youths.
- 8 Integrated inland fisheries.
- 9 Drudgery reduction, skill and entrepreneurship development in farm women.
- 10 Nutrient management through liquid fertilizer & Bio-Fertilizer .
- 11 Promotion of fodder crop.
- 12 Promotion of high yielding varieties.

2.9 Intervention/ Programmes for the doubling the farmers income Demonstrations

Before Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent Yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Intercropping System(Kharif-Rabi-Zaid) –Livestock etc.	Paddy 38	-	38.0	48270	29250	1.60	-
	Wheat 30	-	30.0	37305	26895	1.72	
	Sugarcane 510	-	510.0	65325	90255	2.38	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Intercropping System(Kharif-Rabi-Zaid) –Livestock etc.	Paddy 43.5	-	43.50	50500	38240	1.76	-
	Wheat 37.0	4	42.50	37275	31600	2.42	
	Sugarcane 700	3.5	762.50	66530	166032	3.48	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System(Kharif-Rabi-Zaid) –Livestock etc.	Paddy 36	-	36	38375	17425	1.45	-
	Wheat 25	-	25	35925	13325	1.37	
	Sugarcane 500	-	500	52450	87550	2.66	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System(Kharif-Rabi-Zaid) –Livestock etc.	Paddy 42	1	45.50	41650	23450	1.56	-
	Wheat 35	4	42.50	37275	31600	1.84	
	Sugarcane 700	3.5	762.50	65325	162175	3.48	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Mixed Farming System(Kharif-Rabi-Zaid)-Livestock etc.	Paddy 36	-	36	38375	17425	1.45	
	Wheat 25	2	30	35925	13325	1.37	
	Sugarcane 500	-	500	52450	87550	2.66	
	Livestock	-	-	63250	44750	1.70	
Horticulture-Vegetable	Vegetable	-	-	47500	78300	2.64	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
Mixed Farming System(Kharif-Rabi-Zaid) –Livestock etc.	Paddy 42	1	45.50	41650	23450	1.56	
	Wheat 35	4	42.50	37275	31600	1.84	
	Sugarcane 700	3.5	762.50	65325	162175	3.48	
	Livestock	-	-	145000	157000	2.68	
Horticulture-Vegetable	Vegetable	-	-	70000	190000	3.71	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
IFS System(Kharif-Rabi-Zaid) – Livestock etc.	Paddy 36	-	36	38375	17425	1.45	
	Wheat 25	2	30	35925	13325	1.37	
	Sugarcane 500	-	500	52450	87550	2.66	
	Livestock	-	-	63250	44750	1.70	
Horticulture-Vegetable	Vegetable	-	-	47500	78300	2.64	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield (q/ha)	Inter crop Yield (q/ha)	Equivalent yield (q/ha)	Cost of cultivation (Rs/ha)*	Net income (Rs/ha)	B.C: Ratio	Remark if any
IFS System(Kharif-Rabi-Zaid) – Livestock etc.	Paddy 42	1	45.50	41650	23450	1.56	
	Wheat 35	4	42.50	37275	31600	1.84	
	Sugarcane 700	3.5	762.50	65325	162175	3.48	
	Livestock	-	-	145000	157000	2.68	
Horticulture-Vegetable	Vegetable	-	-	70000	190000	3.71	
Fishries		-	-	45000	145000	4.22	
Mushroom		-	-	30000	82500	3.75	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during (Jan,2023 – Dec,2023)

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
10	10	50	50	100	273.20	253	797

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Target	Achievement	Targets	Achievement	Targets	Achievement	Target	Achievement
Farmers	100	110	2500	2932	09	09	4000	5823
Rural youth	15	18	375	446	07	07	3000	3264
Extn. Functionaries	06	07	150	172	04	04	500	616
Sponsored	05	06	250	394	-	-	-	-
Vocational training	05	06	125	140	-	-	-	-
Total	131	147	3400	4084	20	20	7500	9503

Seed Production (Qt.)			Planting material (No.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	390.85	1681	50000	86040	6049

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVK

Thematic areas	Crop	Name of the technology Assessed	No. of Trials	No. of Farmers
Varietal Evaluation	Paddy	Assessment of suitable high yielding variety of Kala Namak.	05	05
Varietal Evaluation	Wheat	Assessment of suitable high yielding variety of Wheat	05	05
Integrated Pest Management	Mango	Assessment of Suitable insecticides for control of Mango Mealy bug in mango.	05	05
Integrated Disease Management	Potato	Assessment of Suitable fungicide to control of late blight disease in potato.	05	05
	Paddy	Assessment of Suitable Fungicides for control of False Smut disease in Paddy	05	05
Resource Conservation Technology	Wheat	<i>In Situ</i> Management of crop Residue of Rice in R-W Cropping System.	05	05
	Paddy	Assessment of efficacy of herbicide for control of weeds in direct seeded rice	05	05
Nutritional Security	Moringa	Assessment of effective supplement Moringa leaves powder for improvement of nutritional status of farm women	05	05
Total			40	40

Summary of Technologies assessed under Livestock by KVK

Thematic Areas	Name of the livestock enterprise	Name of the technology assessed	No. of trial	No. of farmer
Nutritional Management	Buffalo	Assessment of Supplementation of Probiotics on milk Production and conception rate in buffaloes.	05	05
Mixed Fish Farming	Fish	Assessment of stocking of fingerlings in accurate weight and proper ratio.	05	05
Total			10	10

I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL
Varietal Evaluation
OFT-1

Problem Definition: - Low Yield of Paddy due to use of old variety.

Title: - Assessment of suitable high yielding Variety of Kala Namak paddy.

Technology option	Number of Trials	Days of Maturity	Plant height(cm)	Yield Q./ha	Cost of cultivation / ha.	Gross Return Rs./ ha.	Net Return Rs./ ha.	Increase in Yield (%)	B.C.
T ₁ Kala Namak (F.P.)	05	155	165	26.80	54400	134000	79600	-	2.46
T ₂ Pusa Narendra Kala Namak -1 (R.P.)		145	105	39.50	54300	197500	143200	47.38	3.63

Result: T₂ result indicates that maximum yield 39.50 qt/ha as compare to (F.P.) and maximum return Rs. 143200 with B:C ratio is 3.63. Var. matures comparatively 15-20 days earlier and plant height is also relatively short i.e. 105 cm.

OFT- 2

Problem Definition: - Low yield of wheat due to use of low yielding variety.

Title: - Assessment of suitable high yielding variety of wheat.

Technology option	No. of Trial	Days Of Maturity	Plant height (cm)	Yield(Q./ha)	Cost of cultivation/ ha.	Gross Return Rs./ ha.	Net Return Rs./ ha.	Increase in Yield (%)	B.C.
T ₁ HD-2967 (F.P.)	05			On Going					
T ₂ . DBW-187(R.P.)									

Result: .

**Integrated Pest Management
OFT-3**

Problem Definition: - Low Yield of Mango due to severe infestation of Mango Mealy bug insects.

Title:- Assessment of Suitable insecticides for control of Mango Mealy bug in mango.

Technology option	No. of Trial	Control of Insect infestation (%)	Yield qt/tree Tree age (10 Yrs)	Cost of cultivation Rs./ha.	Gross Return Rs./ ha.	Net Return Rs./ ha.	Increase in Yield (%)	B:C Ratio
T ₁ Spraying of Emidachloroprid 17.8@SL@1.0 ml/lit (F.P.)	05	34	3.55	3000	8875	5875	-	2.95
T ₂ Covering of stem with 400 gauze of 25 cm polythene+10 cm pasting grease (Nov-Dec.)+use of 2.5 gm detergent/Lt +Buprofezin 25% SC@2.0 ml/lit water (R.P.)		91	5.50	3400	13750	10350	35.45	4.04

Result: T₂ Covering of stem with 400 gauze of 25 cm polythene+10.0 cm pasting grease(Nov-Dec.)+use of 2.5 gm detergent/Lt +Buprofezin25% SC @2.0 ml /lt water results 35.45% increment in mango yield as compare to farmer's practice and found B:C ratio 4.04.

**Integrated Disease Management
OFT-4**

Problem Definition:- Low Yield of Potato due to severe infestation of Late Blight disease .

Title:- Assessment of Suitable fungicide to control of late blight disease in potato.

KVK Basti conducted OFT to find out suitable fungicides for control of late blight.

Technology option	Number of Trials	Control of LBD/sqm. %	Yield Q./ha	Cost of cultivation/ ha.	Gross Return Rs./ ha.	Net Return Rs./ ha.	Increase in Yield (%)	B.C.
T ₁ Spraying of mancozeb 63% +Carbendazim @1.5 kg ./ha.	05			Ongoing				
T ₂ Spraying of Cymoxanil 8%+Mancozeb 64% wp@ 1.5kg/ha								

Result:

Resource Conservation Technology

OFT-5

Problem Definition: - Low yield of wheat due to poor degradation of rice residue available in field after combine harvester and mobilization of Nitrogen to soil microflora for the degradation of residue resulted in poor growth of wheat crop in early stages.

Title: - *In Situ* Management of crop Residue of Rice in R-W Cropping System.

Technology option	No. of Trial	Days Of Maturity	Plant height (cm)	Yield(Q./ha)	Cost of cultivation/ha.	Gross Return Rs./ ha.	Net Return Rs./ ha.	Increase in Yield (%)	B.C.
T ₁ Application of nitrogen through DAP(120 kg/ha) at the time of sowing by super seeder (F.P)	05			On going-----					
T ₂ Application of 45 kg /ha Nitrogen before sowing of Wheat(R.P.)									

Result:

Integrated Disease Mangement

OFT-6

Problem Definition: - Low Yield of Paddy due to severe infection of False Smut disease.

Title:- Assessment of Suitable Fungicides for control of False Smut disease in Paddy.

Technology option	No. of Trial	Disease Severity %	Reduction in disease severity over control%	Yield Q./ha	Cost of cultivation Rs./ha.	Gross Return Rs./ ha.	Net Return Rs./ ha.	Increase in Yield (%)	B:C Ratio
T ₁ Spraying of Carbendazim 50% WP @2.0gm./lt. water (F.P.)	05	6.5	68.50	38.00	46150	77520	31370	-	1.67
T ₂ Spraying of Propiconazole 13.9% +Diafenoconazole 13.9% EC mixture @ 1ml/lt water (R.P.)		3.4	96.70	43.50	47250	88740	41490	14.47	1.87

Result: Ist Spraying of Propiconazole 13.9%+Diafenoconazole 13.9% EC mixture @1 ml/lt water at boom stage and 2nd spray at the stage of before flowering resulted was found 96.70% FSD control and B:C ratio was found 1.87.

Resource Conservation Technology

OFT-7

Problem Definition: - Low Yield of Direct Deeded Rice due to high weed infestation.

Title: - Assessment of efficacy of herbicide for control of weeds in direct seeded rice.

Technology option	Number of Trials	Days of Maturity	Plant height(cm)	Yield Q./ha	Cost of cultivation / ha.	Gross Return Rs./ ha.	Net Return Rs./ ha.	Increase in Yield (%)	B.C.
T ₁ - Pendimethaline 30% EC @3.25 lit (PE) + Bispyribac Sodium 10% SC (PoE) (FP)	05	126	107	39.40	41400	86010	44610	-	2.07
T ₂ Pyrazosulfuron Ethyle 10% WP 200gm /ha (PE) + Cyhalofop-Butyl 5.1% + Penoxsulam 1.02% OD 2lit. /ha+ + Cyhalofop-Butyl 10% EC (spot application) (R.P.)		126	109	46.65	41400	101836	60436	18.27	2.45

Result: : T₂- Pyrazosulfuron Ethyle 10% WP 200gm /ha (PE) + Cyhalofop-Butyl 5.1% + Penoxsulam 1.02% OD 2lit. /ha +Cyhalofop-Butyl 10% EC (Spot application) result indicates that maximum yield 46.65 qt/ha and maximum return Rs. 95166 with B:C ratio of 2.45 as compare to T₁ - Pendimethaline 30% EC @3.25 lit (PE) + Bispyribac Sodium 10% SC (PoE) (FP).

Nutritional Security

OFT-8

Problem: - Ignorance of locally available nutritious food and prevalence of malnutrition among farm women.

Title:- Assessment of the effective supplementation of Moringa leaves powder for improvement of nutritional status of farm women.

Technology Options	No. of Trials	Acceptability of the Products (judged by 0-9 point rating hedonic scale)	Hb level (g/dl)	BMI (kg/m ²)	B.P.(mmHg)
No use of moringa leave powder occasionally use spinach and bathua (F.P.)	05	7.5	9.5 to 10.5	26.03	132.57
Fortified locally available recipe using Moringa Leaves powder		8.0	11.0 to 11.5	25.28	127.71

Result: According to these result, taste and acceptability of the developed fortified products is very good . Developed products are very nutritious and helpful remedy to eradicate anemia, obesity and high B.P. from the community as Moringa leaves are rich in iron, calcium and fiber etc.

Animal Nutrition Management

OFT-9

Problem Definition:- Low Milk yield in Buffalo.

Technology Assessed- Assessment of Supplementation of Probiotics on milk Production and conception rate in buffaloes.

Technology Option	Number of Trials	No. of animal	Previous milk yield (lt.) per day/animal	Milk yield during trial (lt.) per day/animal	Milk increase (%)	Conception Rate(%)	Additional cost/animal/day Rs.	Net Return Rs./animal/day	BC ratio
T ₁ – 10 kg wheat straw +2.0 kg concentrate mix.+ 20 kg green fodder +100 gm jaggary (F.P)	05	5	4.80	5.20	8.33	40	9.00	59.15	1.40
T ₂ . 10 kg wheat straw +2.0 kg concentrate mixture+20 kg green fodder+ Probiotics 20gm/day (bacteria base with vitamin and trace mineral)(R.P.)		5	4.85	6.15	26.80	80	21.50	84.65	1.52

Result: The result indicate that probiotic bolus feeding per day increase 26.80% milk and conception rate 80.00 % was found in comparison to F.P. and feeding of probiotic improve the Physical appearance and health of buffalo.

Mixed Fish Farming

OFT-10

Problem Definition:- Low production of fishes due to stocking of fingerlings in less weight and improper ratio.

Technology Assessed- Assessment of stocking of fingerlings in accurate weight and proper ratio.

Technology option	Number of Trials	Mortality %	Avg. body weight gain (kg)	Avg. Production (qt/ha)	% increase	Net Return	B:C Ratio
T ₁ – Stocking of 20 gm body weight fingerlings in improper ratio. (F.P.)	05	14.0	0.61	18.70	-	105300	0.97
T ₂ -Stocking of 50 gm body weight fingerlings in Proper ratio(catla-15%,Rohu-15%,Nain-15%,Silver carp-15%, Gross carp-20% and common carp-20%) (R.P.)		6.0	0.83	20.45	9.35	128250	1.21

Result: The result indicated that by application of Stocking of 50 gm body weight fingerlings in Proper ratio production increases 9.35 % in Comparison to F.P. and Net return is Rs. 128250.00.

II. FRONT LINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2022-23 and recommended for large scale Adoption in the district.

S.No	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area (ha)
1.	Paddy	Varietal	Kala Namak improved	-do-	31	630	104
2.	Paddy	Varietal	NDR-2064	-do-	26	550	95
3.	Wheat	Varietal	HD-2967	-do-	60	310	124
4.	Oat	Fodder Production	HYV JHO-822	-do-	07	224	108
5.	Kitchen garden	House hold food security	HYV of different varieties of veg.	-do-	18	250	4
6.	Oat	Varietal	JHO-851	-do-	14	326	18

II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2022-23 and recommended for large scale adoption in the district.

S. No	Crop/ Enterprise	Thematic Area*	Technology Demonstrated	Details of popularization methods suggested to the Extension System	Horizontal spread of Technology		
					No. of villages	No. of farmers	Area in ha
1	Paddy	Varietal	Kala Namak SL-03	-do-	31	630	104
2	Paddy	Varietal	NDR-2064	-do-	26	550	95
3	Wheat	Varietal	HD-2967	-do-	60	310	124
4	Oat	Fodder Production	HYV JHO-822	-do-	07	224	108
5	Kitchen garden	House hold food security	HYV of different varieties of vegetable	-do-	18	250	4
6	Oat	Varietal	JHO-851	-do-	14	326	18

b. Details of FLDs implemented during Jan 2023 to Dec. 2023 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Sl. No	Crop	Thematic area	Techno. Demo.	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Other	Total	
1	Paddy	VE	Pusa NarendraKala Namak -1	Kharif 2023	20	20	11	39	50	-
2	Paddy	VE	NDR-2065	Kharif 2023	10	10	9	16	25	-
3	Sesumum	VE	GJT-5	Kharif 2023	20	20	8	42	50	-
4	Mustard	VE	PPS-01	Rabi 2022-23	50	50	24	101	125	-
5	Lentil	VE	L- 4717	Rabi 2022-23	15	15	7	31	38	-
6	Dewormer	Animal Nutrition Mgmt.	Devormer+ Feeding of mineral mix.	Year 2023	50	50	11	39	50	-
7	HYB Napier	VE	JHN-06	Kharif 2023	0.20	0.20	2	10	12	-
8	Oat	VE	JHO-822	Rabi 2022-23	2.6	2.6	6	20	26	-

Details of Farming Situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif	irrigated	Sandy loam and clay loam	Low	Low	Medium	wheat	7-6-2023	14.10.2023	630.6	28
Sesumum	Khari	irrigated	-do-	Medium	Medium	Medium	Sesumum	24-7-2023	11.10.2023	630.6	28
Wheat	Rabi	irrigated	-do-	Low	Low	Medium	Wheat	25.11-2022,16.11.2023	2.4.2023	.	.
Mustard	Rabi	irrigated	-do-	Low	Medium	Medium	Mustard	16-10-2022,6.10.2023	3.3.2023	.	.
Pigeon Pea	Kharif	irrigated	-do-	Medium	Medium	Medium	Pigeon Pea	18-7-2023	-	.	.

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1	Mustard PPS-01 has good yield and high oil content	Line deptt. should provide seeds at distt. Godowns and should provide subsidy on seed.
2	Lentil Var. UMA Pod has more grain and good yield.	Line deptt. should provide seeds at distt. Godowns .

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Seasmum Variety pragati has higher no. of capsule/plants and higher no. of branches and high yield.
2	Mustard PPS-01 has more no. of siliqua /plant and higher no. of length siliqua and more no. of seeds /plant with higher test weight over check
3	Pigeon Pea Var . NDA-02
4	Blackgram Ballabh Urd
5	Lentil Var. UMA has more no. of pods/plants , more no. of seeds/plant and higher test weight.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	10	Field days	211	05/01/2023,16/03/2023, 09/05/2023, 10/07/2023,9/08/2023,10/9/2023,15/9/2023 10/10/2023,17/11/2023, 28/11/2023
2	Farmers Training	07	Farmers Training	182	10/03/2023,6/04/2023,17/05/2023,15/06/2023,21/07/2023,05/08/2023,13/09/2023,
3	Media coverage	12	Media coverage	-	All readers
4	Training for extension functionaries	03	Training for extension functionaries	64	12/03/2023,08/05/2023, 24/08/2023,26/10/2023,15.11.2023

Performance of Cluster Frontline demonstrations (Jan, 2023 – Dec. 2023)

Cluster Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter					Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot	% Advantage	Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Sesamum	VE	HYV	GJT-5	50	20	Capsule/plant	48.1	38.5	44.3	36.5	21.3	6.9	5.5	6.4	5.2	23.0	20512	50112	29600	2.44	18600	40716	22116	2.18
						Length of capsule(cm)	2.8	2.2	2.7	2.09	29.1													
						Seed/capsule	66.8	53.5	62.5	50.8	23.0													
						Weight of 1000 seeds	3.4	3.0	3.4	3.	28													
						Yield(qt/ha)	6.9	5.5	6.4	5.2	23.0													
Mustard	VE	HYV	PPS-1	125	50	Siliqua /plant	403	305	325	258.6	25.6	12.5	10.5	11.4	8.5	45.3	32214	73530	41316	2.28	30046	54225	27179	1.80
						Siliqua length (cm)	4.8	4.2	4.6	4.0	15													
						Number of seed /siliqua	10.5	8.6	8.9	8.4	5.9													
						Wt. of 1000 seeds	4.9	4.0	4.9	4.0	22.5													
						Yield(qt/ha)	19.0	10.5	17.3	11.9	45.3													
Mustard	VE	HYV	RH-725	100	40	On going																		
Toria	VE	HYV	Uttara	25	10	On going																		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1	Sesamum Variety GJT-5 has good yield and resistant against disease & pest.	Line deptt. should provide seeds at distt. Godowns and should provide subsidy on seed.
2	Mustard PPS-01 has good yield and high oil content	Line deptt. should provide seeds at distt. Godowns and should provide subsidy on seed.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	Mustard PPS-01 has more no. of siliqua /plant and higher no. of length siliqua and more no. of seeds /plant with higher test weight over check

Cluster Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Pigeonpea	VE	HYV+weedicide	NDA-2	7	2.0	Number of primary branches plant-1	17.4	14.3	20.1	15.6	28.85	14.4	11.8	13.4	11.3	18.58	28755	88440	59685	3.07	27350	74580	47230	2.72
						Number of secondary branches plant-1	32.3	25.1	29.4	23.8	23.53													
						Pods plant-1	154.6	129.8	137	115	19.13													
						Seeds pod-1	3.45	3.00	3.22	2.84	13.38													
						100- seed weight (g)	7.06	6.66	6.85	6.5	5.38													
						Seed yield (q/ ha-1)	14.4	11.8	13.4	11.3	18.58													
Blackgram	VE	HYV+weedicide	Ballabh Urd	3	1.0	Pods/Plant	24.3	20.9	22.9	18.1	26.51	10.27	8.54	9.12	7.87	15.88	18425	60192	41767	3.26	17985	51942	33957	2.88
						Seeds/Pod	6.8	6.1	6.4	5.8	10.34													
						Test weight (g)	38.8	37.1	38.1	36.4	4.67													
						Seed yield (qt./h)	10.27	8.54	9.12	7.87	15.88													
Lentil	VE	HYV	L-4717	38	15	Pods/Plant	211.1	194.6	200.8	194.6	3.20	19.5	14.7	17.3	14.66	18.49	44492	103800	59308	2.33	43895	87600	43705	1.99
						Seeds/Pod	1.8	1.5	1.6	1.48	12.8													
						Test weight (g)	28.5	20.9	25.9	20.74	25.0													
						Seed yield (qt./h)	19.5	14.7	17.3	14.6	18.4													
Horsegram																								

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Berseem																								
Oat (F)	VE	HYV	JHO-822	26	2.6	-	-	-	-	-	-	380	306	343	275	19.82	22760	41975	19215	1.84	21665	33104	11451	1.53
Oat (F)	VE	HYV	Kent	16	1.5	Ongoing																		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

FLD on Farm Implements and Machinery in NICRA

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Super Seeder	Wheat	Sowing of wheat through Super seeder	20	8.0	Yeild	35.20	28.00	25.00	5	-	-	5	1500	-	-	1500
Seed Drill	Paddy	Sowing of paddy by Seed Drill	25	10.0	Going on	-	-	-	-	-	-	-	-	-	-	-

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		-
3	Wheat Var. DBW-222 has good yield	Line deptt. should provides the seeds in government godowns.
4	Barley Var. RD-2907 has produced more yield than wheat.	Line deptt. should provides the seeds in government godowns.
5		
6		
7	HYV oats var.JHO-822 has more cuttings. It increased milk yield .	Line deptt. should provides the seeds in government godowns with subsidy.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	
3	Wheat Var. DBW-222 has bold grain and more yield.
4	Barley Var. RD-2907 has produced more no. of ear bearing tillers , more no. of grain per ear and higher test weight. The var. has performed good in heat wave.
5	
6	HYV oats var.JHO-822 has 3-4 cuttings.

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		Economics of demonstration (Rs.)				Economics of check (Rs.)				
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Cattle																		
Buffalo	Animal nutrition Management	Deworming+feeding of Mineral mixture.	50	50	FLD going on	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep & Goat	Upgradation of desi goat breed	Barbari goat	05	05	FLD going on	-	-	-	-	-	-	-	-	-	-	-	-	-
Vaccination																		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1	After consuming min. mix. Physical appearance has been improved and market price has increased.	Deptt. of animal husbandry should provide min. mix to live stock rearers at subsidized rate.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	The buffalo consuming more ration and increase milk yield. After feeding of min. mix and deworming tab. Buffalo conceives at proper time.
2	

FLD on 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 (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Common Carps																		
Composite fish culture																		
Feed Management																		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit				
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Oyster Mushroom																	
Button Mushroom																	
Apiculture																	
Maize Sheller																	
Value Addition																	
Vermi Compost																	

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)					
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total		

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% 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 (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Seasonal Vegetable	Food and Nutritional Security	Nutri-garden	10	10	940	710	32.3%	-	-	8700	19230	10530	2.21	8200	15210	7010	1.85
Seasonal Vegetable	Food and Nutritional Security	Nutri-garden	10	10	Going on	-	-	-	-	-	-	-	-	-	-	-	-

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1	Farm women responded that they were unable to eat fresh vegetable in routine way due to high price of vegetable, but now we are able to consume fresh vegetable.	Line deptt of distt. Should provide seed from govt. down.
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Farm women has produced various type of vegetables and consume that will suply micro nutrients, vitamins ,minerals extra.
2	

FLD on Demonstration details on crop hybrids (Details of Hybrid FLDs implemented during 2023)

Crop	Technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop													
Pulse crop													
Cereal crop													
Vegetable crop													
Fruit crop													
Other (specify)													

Note : Remove the Enterprises/crops which have not been shown

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

III. Natural Farming

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)		
Basti	Wheat	DBW-222	0.4	27.95	24121	Wheat	HD-2967	0.4	40.3	40202	8/12/2022	19/04/2023
Basti	Wheat	DBW-222	0.4	26.39	27004	Wheat	PBW-373	0.4	38	45007	11/12/2022	20/04/2023
Basti	Wheat	DBW-222	0.4	25.35	26689	Wheat	HD-3086	0.4	36.5	44483	7/12/2022	11/04/2023
Basti	Wheat	DBW-222	0.4	28.86	25743	Wheat	HD-2967	0.4	41.6	42905	6/12/2022	19/04/2023
Basti	Wheat	DBW-222	0.4	27.95	24799	Wheat	HD-3086	0.4	40.3	41332	8/12/2022	20/04/2023
Basti	Wheat	DBW-222	0.4	26.26	27682.2	Wheat	DBW-222	0.4	37.8	46137	11/12/2022	11/04/2023
Basti	Wheat	DBW-222	0.4	24.05	27367	Wheat	DBW-222	0.4	34.6	45613	7/12/2022	19/04/2023
Basti	Wheat	DBW-222	0.4	24.83	26421	Wheat	PBW-373	0.4	35.8	44035	6/12/2022	20/04/2023
Basti	Wheat	DBW-222	0.4	23.79	25021	Wheat	HD-3086	0.4	34.3	41702	7/12/2022	11/04/2023
Basti	Wheat	DBW-222	0.4	28.73	27904	Wheat	HD-2967	0.4	41.4	46507	6/12/2022	19/04/2023
Basti	Wheat	DBW-222	0.4	24.57	27589	Wheat	DBW-187	0.4	35.4	45983	8/12/2022	20/04/2023
Basti	Wheat	DBW-222	0.4	24.05	26643	Wheat	HD-3086	0.4	34.6	44405	11/12/2022	21/04/2023
Basti	Wheat	DBW-222	0.4	24.83	27682	Wheat	HD-2967	0.4	35.8	46137	7/12/2022	11/04/2023
Basti	Wheat	DBW-222	0.4	18.59	27367	Wheat	Desi-Banshi	0.4	26.8	45613	11/12/2022	19/04/2023
Basti	Wheat	DBW-222	0.4	28.73	26421	Wheat	DBW-222	0.4	41.4	44035	12/12/2022	20/04/2023
Basti	Wheat	DBW-222	0.4	26.78	25021	Wheat	PBW-373	0.4	38.6	41702	8/12/2022	11/04/2023

2) Preliminary Soil Data of Natural Farming Field

Name of KVK	Soil data of Demonstrated/KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (%age)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
Basti	Demonstrated	202	15.2	190	0.47	19.4	14	22.5	-	3.51×10 ⁸ cfu/g soil	3.66×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	165	9	184	0.2	11.4	32.7	19.5	-	3.18×10 ⁸ cfu/g soil	3.74×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	191	12.6	176	0.17	8.4	26.7	20.5	-	3.61×10 ⁸ cfu/g soil	2.86×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	215	14.6	200	0.31	7.4	20.2	16.1	-	2.95×10 ⁸ cfu/g soil	2.33×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	275	17.89	212	0.36	5.9	19.5	12.3	-	3.33×10 ⁸ cfu/g soil	2.99×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	154	14.5	246	0.4	6.4	18.3	13.4	-	4.16×10 ⁸ cfu/g soil	3.85×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	169	18.2	255	0.69	6.3	20.7	14	-	3.58×10 ⁸ cfu/g soil	3.66×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	191	9	242	0.29	7.6	21.2	15.5	-	3.37×10 ⁸ cfu/g soil	2.98×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	248	14.9	246	0.36	10.9	14.5	22.5	-	3.25×10 ⁸ cfu/g soil	2.37×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	251	9	206	0.18	4.9	19.2	22.5	-	3.22×10 ⁸ cfu/g soil	3.25×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	200	11.9	122	0.26	9.9	17.7	19.5	-	4.2×10 ⁸ cfu/g soil	3.91×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	206	11.2	120	0.4	11.4	15.2	23	-	3.41×10 ⁸ cfu/g soil	2.92×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	215	8.5	135.5	0.14	23.4	28.7	13.3	-	3.36×10 ⁸ cfu/g soil	2.69×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	176	12.5	150.5	0.41	12.9	16.7	26	-	3.55×10 ⁸ cfu/g soil	2.82×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	198	16.5	182	0.29	8.4	20.7	25.5	-	3.11×10 ⁸ cfu/g soil	4.14×10 ⁸ cfu/g soil	-	-	-
Basti	Demonstrated	218	17.	174	0.31	7.4	16.5	22	-	3.89×10 ⁸ cfu/g soil	3.88×10 ⁸ cfu/g soil	-	-	-
Basti	AT KVK Plot	247	14	245	0.37	10.2	14.6	22.1	-	3.26×10 ⁸ cfu/g soil	2.37×10 ⁸ cfu/g soil	-	-	-

3) Details of Demonstrations Conducted under Natural Farming Project

S. No.	Name of KVK	Name of village	Name of farmer	Mobile no. of farmer	Area under demonstration on Natural Farming (ha)
1	KVK Basti	Pachari Kala	Bijendra Bahadur Pal	8795798979	0.4
2	KVK Basti	Matera Bahadurpur	Rakesh Kumar Pandey	8795798979	0.4
3	KVK Basti	Khutehna Gaur	Yogendra Singh	8601043918	0.4
4	KVK Basti	Kharika Devri	Agyaram Verma	8299664133	0.4
5	KVK Basti	Dhaurhara	Perma nnand Singh	9838250446	0.4
6	KVK Basti	Barsav Dubaulia	Rajendra Singh	9451079823	0.4
7	KVK Basti	Manwa Saltaua	Amit Vikram Tripathi	7355379750	0.4
8	KVK Basti	Gaura Basti Sadar	Ram murti Mishra	9889387997	0.4
9	KVK Basti	Govindpura Basti Sadar	Atma Prasad Pathak	7905466344	0.4
10	KVK Basti	Charthi Bhatt	Dinesh Verma	9451027716	0.4
11	KVK Basti	Banshor Kala	Siraj Ahmad	9451027716	0.4
12	KVK Basti	Bhelwal Bahadurpur	Arvind Singh	9838669367	0.4
13	KVK Basti	Katya	Gopal Singh	9792178484	0.4
14	KVK Basti	Parsajagir Basti Sadar	Ram Charitra	9919769215	0.4
15	KVK Basti	Dubauliya	Ahmad Ali	9838712422	0.4
16	KVK Basti	Nagpur Harriya	Smt Krishnawati	9554022661	0.4

4) Information of Farmers already Practicing Natural Farming

Sl. No.	Name of the District	Name of the Farmers	No. of desi (indigenous) cows	Land holding (ha)	Crops Grown	No. of Years in Natural Farming	Area Covered under Natural Farming	Crops Grown under Natural Farming	Any significant achievements under natural farming
1	Basti	Atma Prasad Pathak	4	1.50	Rice Wheat, Mustard	3	0.4	Rice Wheat, Mustard	-
2	Basti	Yogendra Singh	2	1.00	Rice Wheat, Mustard	3	0.4	Rice Wheat, Mustard	-
3	Basti	Amit Vikram Tripathi	2	1.50	Rice Wheat, Mustard	2	0.4	Rice Wheat, Mustard	-
4	Basti	Rajendra Singh	3	1.00	Rice Wheat, Mustard	4	0.4	Haldi	-

5) Natural Farming Nodal officer & Associated Scientists

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1.	Hariom Mishra	SMS	Agronomy	8004499791
2.	Dr. Vinod Bahadur	SMS	Genetics and Plant breeding	7235073921
3.	Dr. Prem Shanker	SMS	Plant Protection	9616297380

value addition											
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (f)		0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants											
Nursery management		0	0	0	0	0	0	0	0	0	0
Production and management technology		0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (g)		0	0	0	0	0	0	0	0	0	0
GT (a-g)		11	176	43	219	59	22	81	235	65	300
III Soil Health and Fertility Management											
Soil fertility management	Vermi composting technique	1	15	2	17	5	2	7	20	4	24
Integrated water management	-	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	Green manuring +FYM+vermi composting technique	1	15	4	19	4	1	5	19	5	24
Production and use of organic inputs		0	0	0	0	0	0	0	0	0	0
Management of Problematic soils		0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	Control technique of Zinc and Iron deficiency in Rice crop	1	14	6	20	3	2	5	17	8	25
Nutrient Use Efficiency		0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers		0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	Technique of Soil health testing	2	34	6	40	14	5	19	48	11	59
Others (pl specify)	-	0	0	0	0	0	0	0	0	0	0
Total	-	5	78	18	96	26	10	36	104	28	132
IV Livestock Production and Management											
Dairy Management	Care & managements of dairy animals in different seasons	2	28	12	40	6	4	10	40	10	50
Poultry Management	Backyard Poultry Production	1	15	4	19	4	1	5	19	5	24
Piggery Management	-	0	0	0	0	0	0	0	0	0	0
Rabbit Management	-	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	Preparation of balance ration for milch animals through locally available materials	2	34	6	40	14	5	19	48	11	59
Disease Management	Vaccination in farm animals	2	35	7	42	12	4	16	47	11	58
Feed & fodder technology	Green fodder production round the year	2	28	12	40	6	4	10	40	10	50
Production of quality animal products	Production technique of milk & milk products	1	17	3	20	6	2	8	23	5	28

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											
Mushroom Production											
Apiculture											
Others (pl specify)											
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 (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		63	985	264	1249	361	148	509	1353	402	1749

Farmers' Training including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management	Weed management technique in wheat and rice crops	1	18	6	24	4	1	5	22	7	29
Resource Conservation Technologies	Zero Tillage of Wheat	1	16	4	20	5	2	7	21	6	27
Cropping Systems	Intercropping technique of Urd and Moong with spring planted sugarcane	1	15	5	20	4	2	6	19	7	26
Crop Diversification	Crop Diversification in important way out	1	13	4	17	6	2	8	19	6	25

Total (b)	-	5	75	24	99	26	7	33	101	31	132
c) Ornamental Plants											
Nursery Management	-	0	0	0	0	0	0	0	0	0	0
Management of potted plants	Management technique of potted plants rose, marigold etc.	1	18	3	21	7	2	9	25	5	30
Export potential of ornamental plants		0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants		0	0	0	0	0	0	0	0	0	0
Others (pl specify)	-	0	0	0	0	0	0	0	0	0	0
Total (c)	-	1	18	3	21	7	2	9	25	5	30
d) Plantation crops											
Production and Management technology		0	0	0	0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (d)		0	0	0	0	0	0	0	0	0	0
e) Tuber crops											
Production and Management technology		0	0	0	0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (e)		0	0	0	0	0	0	0	0	0	0
f) Spices											
Production and Management technology		0	0	0	0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (f)		0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants											
Nursery management		0	0	0	0	0	0	0	0	0	0
Production and management technology		0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (g)		0	0	0	0	0	0	0	0	0	0
GT (a-g)		9	136	39	175	51	16	67	187	55	242
III Soil Health and Fertility Management											
Soil fertility management	Vermi composting technique	3	45	6	51	15	6	21	60	12	72
Integrated water management	-	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	Green manuring +FYM+vermi composting technique	3	49	10	59	16	7	23	65	17	82
Production and use of organic inputs		0	0	0	0	0	0	0	0	0	0
Management of Problematic soils		0	0	0	0	0	0	0	0	0	0
Micro nutrient	Control technique of	1	14	6	20	3	2	5	17	8	25

techniques											
Value addition	Value addition fruits crops	2	30	10	40	8	2	10	38	12	48
Women empowerment	Women empowerment in India-empowering women future	1	14	5	19	6	2	8	20	7	27
Location specific drudgery reduction technologies	drudgery reduction technologies for women in agriculture	0	0	0	0	0	0	0	0	0	0
Rural Crafts	-	0	0	0	0	0	0	0	0	0	0
Women and child care	-	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	-	0	0	0	0	0	0	0	0	0	0
Total	-	8	120	38	158	42	14	56	162	52	212
VI Agril. Engineering											
Farm Machinery and its maintenance	-	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	-	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	-	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	-	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	-	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	-	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	-	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	-	0	0	0	0	0	0	0	0	0	0
Total	-	0	0	0	0	0	0	0	0	0	0
VII Plant Protection											
Integrated Pest Management	Approaches of IPM technique in cereal crop, oilseed and pulses crop	3	44	16	60	12	6	18	56	22	78
Integrated Disease Management	Approaches of IDM technique in cereal crop, oilseed and pulses crop	2	23	8	31	7	3	10	30	11	41
Bio-control of pests and diseases	Disease and Insect control technique through Bio- Agent	2	25	9	34	4	2	6	29	11	40
Production of bio control agents and bio pesticides	-	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	Disease and Insect management through natural agent (neemastra, agneyastra ,brahmastra)	3	45	18	63	15	3	18	60	21	81
Total	-	7	92	33	125	23	11	34	115	44	159
VIII Fisheries											
Integrated fish farming	-	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	-	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	-	0	0	0	0	0	0	0	0	0	0
Composite fish culture	Production technique of Indian & Exotic carp fishes in culture	1	17	4	21	7	3	10	24	7	31

Integrated Farming Systems	-	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	-	0	0	0	0	0	0	0	0	0	0
Total	-	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	-	53	772	245	1017	254	90	344	1026	335	1359

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Weed Management	Weed management technique in cereal, pulses and oil seed crops	3	42	10	52	17	9	26	59	19	78
Resource Conservation Technologies	Direct Seedling of rice, Zero Tillage of Wheat	2	28	7	35	11	6	17	39	13	52
Cropping Systems	Intercropping technique of Urd and Moong with spring planted sugarcane	2	28	9	37	9	5	14	37	14	51
Crop Diversification	Crop Diversification in important way out for doubling farmer's income	1	13	4	17	6	2	8	19	6	25
Integrated Farming	Integrated Crop management in Paddy	2	27	8	35	13	4	17	40	12	52
Micro Irrigation/irrigation		0	0	0	0	0	0	0	0	0	0
Seed production	Seed production technique of cereal, millets crop ,pulses and oil seed crops	5	69	18	87	29	11	40	98	29	127
Nursery management	Nursery raising technique in rice crop	2	28	7	35	12	3	15	40	10	50
Integrated Crop Management	Integrated Crop management in Paddy & wheat	1	18	2	20	4	1	5	22	3	25
Soil & water conservation	Cultivation of cover crops	2	35	8	43	5	2	7	40	10	50
Integrated nutrient management	Technique of green Manuring	2	31	11	42	10	6	16	41	17	58
Production of organic inputs											
Others (pl specify)	Natural Farming technique	4	56	17	73	21	9	30	75	28	103
Total		26	375	101	476	137	58	195	510	161	671
II Horticulture											
a) Vegetable Crops											
Production of low value and high volume crops		2	29	10	39	12	5	17	41	15	56
Off-season	Production technique	2	29	5	34	12	3	15	41	8	49

Others (pl specify)											
Total (d)	-	1	14	3	17	4	1	5	18	4	22
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)	-	20	312	82	394	110	38	148	422	120	542
III Soil Health and Fertility Management											
Soil fertility management	Vermi composting technique	2	30	4	34	10	4	14	40	8	48
Integrated water management											
Integrated Nutrient Management	Green manuring +FYM+vermi composting technique	1	17	3	20	6	3	9	23	6	29
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops	Control technique of Zinc and Iron deficiency in Rice crop										
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing	Technique of Soil health testing	3	48	12	60	17	7	24	65	19	84
Others (pl specify)	-										
Total		6	95	19	114	33	14	47	128	33	161
IV Livestock Production and Management											
Dairy Management	Care & managements of dairy animals in different seasons	3	38	11	49	10	6	16	48	17	65

Rural Crafts											
Women and child care											
Others (pl specify)											
Total		17	255	80	335	93	32	125	348	112	454
VI Agril. Engineering											
Farm Machinery and its maintenance	Care & maintenance of farm implements	1	16	4	20	7	3	10	23	7	30
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices		0	0	0	0	0	0	0	0	0	0
Production of small tools and implements		0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	Repair and maintenance of tractor and diesel engine	1	14	5	19	6	2	8	20	7	27
Small scale processing and value addition											
Post Harvest Technology											
Others (pl specify)											
Total	-	2	30	9	39	13	5	18	43	14	57
VII Plant Protection											
Integrated Pest Management	Approaches of IPM technique in cereal crop, oilseed and pulses crop	6	105	34	139	40	15	55	145	49	194
Integrated Disease Management	Approaches of IDM technique in cereal crop, oilseed and pulses crop	4	45	17	62	20	8	28	65	25	90
Bio-control of pests and diseases	Disease and Insect control technique through Bio- Agent	4	53	18	71	16	7	23	69	25	94
Production of bio control agents and bio pesticides											
Others (pl specify)	Disease and Insect management through natural agent (neemastra, agneyastra ,brahmastra)	6	96	30	126	33	12	45	129	42	171
Total		20	299	99	398	109	42	151	408	141	549
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture	Production technique of Indian & Exotic	2	34	8	42	13	6	19	44	14	58

processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying	Commercial dairying	2	34	6	40	6	4	10	34	6	40
Sheep and goat rearing		2	26	4	30	16	4	20	42	8	50
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL	-	7	100	20	120	44	14	58	138	30	168

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			M	F	Total	M	F	Total	M	F	Total
Nursery Management of Horticulture crops	Nursery technique of Hort. crop	2	28	10	38	12	4	16	40	14	54
Training and pruning of orchards	Training and pruning of orchards										
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming	IFS Module										
Seed production	Seed production technique of Cereal crops	3	37	14	41	16	8	24	53	22	75
Production of organic inputs											
Planting material production											
Vermi-culture	Vermi Composting										
Mushroom Production	Button Mushroom	1	14	6	20	6	2	8	20	8	28

production											
Household food security											
Any other (pl.specify)											
TOTAL		2	34	10	44	9	4	13	43	14	57

**Training programmes for Extension Personnel including sponsored training programmes –
CONSOLIDATED (On + Off campus)**

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Course	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management	INM in Kharif crops	1	15	5	20	3	2	5	18	2	20
Rejuvenation of old orchards	Rejuvenation of Mango & Guvava Orchards	1	17	5	22	6	2	8	23	7	30
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements	Care & mentinence of farm implements	1	18	6	23	5	2	7	22	8	30
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals	Feeding management of dairy animals	1	17	5	22	3	2	5	20	7	27
Livestock feed and fodder production	Green fodder production and their conservation	1	12	3	15	3	2	5	15	5	20
Household food security	Kitchen Gardening	1	0	15	15	0	5	5	0	20	20
Any other (pl.specify)	Vaccination in farm animal	1	14	6	20	3	2	5	17	8	25
TOTAL	-	7	93	45	137	23	17	40	115	57	172

Household nutritional security	Awareness Training programme on measures good agriculture practices and food safety	1	71	8	79	14	5	19	85	13	98
Economic empowerment of women	Employment generation through SHG	1	0	39	39	0	11	11	0	50	50
Drudgery reduction of women											
Total		2	71	47	118	14	16	30	85	63	148
Agricultural Extension											
Capacity Building and Group Dynamics											
Others (pl. specify)											
Total											
GRAND TOTAL		6	220	88	308	61	19	80	287	107	394

Name of sponsoring agencies involved-

1. Department of Agriculture, Horticulture, Animal Husbandry U.P. & NIPHM -Ministry of Agriculture

Details of vocational training programmes carried out by KVKs for rural youth

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Course	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management											
Commercial floriculture											
Commercial fruit production	Commercial fruit production	1	13	2	15	3	2	5	16	4	20
Commercial vegetable production	Commercial vegetable production	1	16	4	20	4	1	5	20	5	25
Integrated crop management											
Organic farming											
Others (pl. specify)											
Total		2	29	6	35	7	3	10	36	9	45
Post harvest technology and value addition											
Value addition	Value addition in aonla	1	16	3	19	7	2	9	23	5	28
Others (pl. specify)											
Total		1	16	3	19	7	2	9	23	5	28
Livestock and fisheries											
Dairy farming	Dairy farming	1	10	5	15	3	2	5	13	7	20
Composite fish culture											
Sheep and goat rearing	Goat rearing	1	13	5	18	4	2	6	17	7	24

Piggery											
Poultry farming											
Others (pl. specify)											
Total		2	23	10	33	7	4	11	30	14	44
Income generation activities											
Vermicomposting											
Production of bio-agents, bio-pesticides, bio-fertilizers etc.											
Repair and maintenance of farm machinery											
Rural Crafts											
Seed production	Seed production in cereal crops	1	13	4	17	5	1	6	18	5	23
Sericulture											
Mushroom cultivation											
Nursery, grafting etc.											
Tailoring, stitching, embroidery, dyeing etc.											
Agril. para-workers, para-vet training											
Others (pl. specify)											
Total		1	13	4	17	5	1	6	18	5	23
Agricultural Extension											
Capacity building and group dynamics											
Others (pl. specify)											
Total											
Grand Total		6	81	23	104	26	10	36	107	33	140

IV. Extension Programmes

Activities	No. of Programme	No. of farmers	No. of Extension Personnel
Kisan Sarathi	74	2911	15
Advisory services	15	464	02
Diagnostic visits	43	219	12
Field day	09	231	03
Group discussions	01	09	02
Kisan gosthi	08	1045	28
Film Show	03	176	03
Self-help groups	02	15	0
Kisan mela	04	2025	16
Exhibition	03	915	05
Scientists' visit to farmers field	71	412	03
Plant/animal health camps	02	84	02
Farm science club	01	14	01
Ex-trainees Sammelan	03	31	04
Farmers' seminar/workshop	02	20	0
Method demonstrations	01	39	0
Celebration of important days	05	449	05
Special day celebration	06	33	02
Exposure visits	15	250	08
Women's Club Meet	02	52	05
Total - 20	270	9394	116

Other Extension Activities:

Particulars	Number
Electronic media	02
Extension literature	07
News letter	01
News paper coverage	35
Research Paper	02
Technical articles	08
Technical bulletins	02
Technical reports	04
Radio talks	02
TV talks	02
Animal health camps (Number of animals treated)	44
Total – 11	109

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs rganized Technology Week	Types of Activities	No. of Activities	Number of Participant	Related crop/livestock technology
Date 01-01-2023 to 30-09-2023	Gosthies	04	165	Kharif & Rabi Kisan Gosthi
	Lectures organised	04	225	Cereal Pulses, Oilseed& live Stock
	Exhibition	01	215	Agriculture related Technology
	Film show	02	115	Mushroom , bee keeping & natural farming
	Fair	0	0	-
	Farm Visit	02	104	both
	Diagnostic Practical's	02	46	Crops & live Stock
	Distribution of Literature (No.)	02	132	Goat rearing, mushroom production, Bee keeping,Productio n technique of Rabi & kharif crops
	Distribution of Seed (q)	01	39	Paddy, wheat, mustard
	Distribution of Planting materials (No.)	02	251	Vegetable , Fruit & napier grass sapling

	Bio Product distribution (Kg)	1	38 kg	Vermin compost
	Bio Fertilizers (q)	0	0	-
	Distribution of fingerlings	0	0	-
	Distribution of Livestock specimen (No.)	1	03	Barbari goat and Kadak Nath
	Total	22	38 KG/1295	

IX. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Paddy	Pusa Narendra Kala Namak-01		38.0	247000	
	wheat	DBW-187, DBW-303		325	812500	-
	Barley	RD-2907		13.5	54000	-
Oilseeds	Till	GJT-5		5.50	55000	
	Groundnut	TAG 37A		1.50	22500	
	Mustard	RH 725,PPS-01		5.05	60600	
	Soyabean	JS-2034		0.80	8150	-
Pulses	Urd	Ballabh Urd-1		1.50	18000	
	Pigeon Pea	NDA-2	Standing crop	-	-	
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others	MILLETS	JWAR-CSB-13, Bajra- MPMH17		5.00	32500	
Total				395.85	1310250	

Production of Planting material by KVK

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Pointed Guard	Narendra Parval 307,604	-	4250	106250	394
	Tomato	Kashi Adarsh, Pusa Rohini	-	3089	6178	192
	Capsicum	Super Wonder	-	1520	3040	164
	Cauliflower	Kashi Gobhi 25, Madhuri	-	3260	6520	73
	Brinjal	Kashi Sandesh	-	3022	6044	95
	Cabbage	BC-90	-	3442	6884	142
	Brokley	-	Late corona	1050	2100	26
Fruits	Mango	Dashari, Gaurjeet Amrapali Arunima, Arunika, Tomy at Kins	-	1395	72515	131
	Papaya	Pusa Nanha, Red Lady	-	541	10820	71
	Guava	Thai pink, Lucknow -49	-	503	17605	78
	Sahjan	PKM1 &2	-	1148	22960	79
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices	Chilli	Kashi Anmol		5540	11080	163
Tuber						
Fodder crop saplings						
Forest Species	Semal			2923	5846	231
	Mahogini	Indian Mahogani		1865	37300	195
	Bamboo	-		3000	30000	314
Others						
Total				36548	345142	2348

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others –	Vermi compost	55	550	11
Total		55	550	11

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Goatry	Barbary	10	60000	10
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)	Kadaknath	90	54500	15
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)	Table size Indian & exotic carps	51.0 Kg	9180	-
Total		100/51 kg	123680	25

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples tested	Soil Health card distributed	No. of Village Covered
Soil	2454	3011	91
Total	2454	3011	91

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Basti	Not conducted

XII. NEWS LETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Krishi Vigyan Deep	1000

XIII. PUBLICATIONS

Category	Number
Research Paper	03
Technical bulletins	02
Technical reports	06
Book chapter	01
Popular article	10
Magazene	01
Folder	04

XIV. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO- IRRIGATION SYSTEM- N. A.

XV. INTERVENTIONS ON UNSEASONAL RAINFALL/HEAT WAVE ETC.

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
Paddy CO-51	12.0	10%	Recommendation of Life saving irrigation
Wheat DBW-187,252	20.0	22%	Recommended to farmers for 01 extra irrigation
Total	32.0	-	

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals	32.0	80
Vegetable crops		
Tuber crops		
Total	32.0	80

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No. of participants
Total		

Animal health Camps Organized

Number of camps	No. of animals	No. of farmers
01	95	67
Total	95	67

Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Total			

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Sowing of wheat by super seeder	127	321
DSR- Direct Seeded Rice	184	402
Total	311	723

Awareness campaign-

	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
Total												

XVI. DETAILS ON HRD ACTIVITIES**A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension**

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
ANDUAT,Kumarganj Ayodhya	Natural Farming,Soil Fertility, Smart Agriculture	03	120	25
Total		03	120	25

B. HRD activities organized in identified areas for KVK Staff by ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
-	-	-	-
Total			

XI. CASE STUDIES/SUCCESS STORY & DFI

Success Story of Governor Awardee Women Farmer

Mushroom Production : A Remunerative & Employment Generation Occupation
Name of farm women : Smt. Krishnawati
Husband name : Lt. Sri Ram Lal
Address : Vill: Nagpur, Post Etwa Kungai,
 Block Harraiya Distt.-Basti
Age : 48 yrs.
Education : 5th standard
Land holding : 0.01 ha



- 1. Category:** Button Mushroom Production with value addition and women empowerment.
- 2. Background:** Smt. Krishnawati is a very poor and landless women farmer. She never walk out in front of challenges. She has seven members in her family. She started Button Mushroom Production from one shed (50x22 sq.ft.) by local material bamboo, wheat and paddy straw etc. The Total input cost is Rs. 85,000.



- 3. Training and motivational support:** She decided to go to Krishi Vigyan Kendra, Basti to meet Scientist. They advice her to attend training of Button Mushroom cultivation at the KVK in year 2013- 14 after the training she become start Button Mushroom Production from 1 shed.

- 4. Impact in the area:** Status of entrepreneur before and after KVK Intervention

Before Intervention	After Intervention
1. 01 shed	06 sheds
2. 0.2 acre land	0.50 acre land purchased
3. Income Rs. 72,000 only annually	Income Rs. 8,00,000 only annually
4. Thatched house	Maintain house with motor cycle, TV, mobile, Pakka house

Horizontal spread of units: 150 farm families are engaged with 500-600 rural youths engaged and Other transport agencies and business man and entrepreneur involves in the mushroom production system.

- 5. Awards & recognitions:** She received many times University, ICAR and Governor Awards.

Hon'ble Governor, U.P. also provided Rs. 1.0 lac as reward for her best performance in mushroom production for district Basti. Kendra also promotes her for excellent performance of her mushroom unit.



मशरूम उत्पादक का हुआ सम्मान

कृष्णावती को राज्यपाल ने किया सम्मानित



राज्यपाल ने महिला किसान को सम्मानित किया। संवाद न्यूज एजेंसी

संवाद न्यूज एजेंसी

हरियाणा। आचार्य नरेंद्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय कुमारगंज, अयोध्या के 22वें दीक्षांत समारोह में जिले की कृष्णावती को भी सम्मानित किया गया। उन्हें यह सम्मान मशरूम उत्पादन के लिए दिया गया।

नरेंद्र देव कृषि विश्वविद्यालय के दीक्षांत समारोह में मिला सम्मान

उत्पादन का हब बन चुका है। इस क्षेत्र के करीब 165 परिवार इस उत्पादन में लगे हुए हैं। कृष्णावती को राज्यपाल आनंदीबेन पटेल ने



6. Contributing/enabling Factors -

The 125 farmers have been motivated and started the Mushroom Production and started the Mushroom Production with 4-10 shed as on average in nearby area. Ultimately the area is a well known as “Mushroom Hub”. The surrounding village has been established as *Mushroom Hub* and it inspired several other landless farmers and farm women of the district for the upliftment of their socio economic condition.

Success Story of District Level Awardee Farmer

Success Story on Bee Keeping

Name : Dinesh Kumar Verma S/o Lalta Prasad
Details of Farmer : Vill Charthi Bhatt Post-Roopgarh
 Block : Vikramjot,
 Distt- Basti - 272131
Mobile No. : 9451097716



Situation and Analysis: Dinesh Kumar Verma is 33 years old rural youth belongs to a very poor family, he has 1.0 acre land holding and 6 members in his family. He has no extra income source, so he could not be able to support easily to his family.

Beekeeping is a domestic small enterprise in eastern region of Uttar Pradesh and marginal and landless farmers, women laborers and unemployed youth can get more benefits in less time with this enterprise. The weather of eastern Uttar Pradesh is favorable for beekeeping, so here there are wide possibilities of honey production due to the year round cultivation of many agricultural and horticultural crops by bee keepers. Keeping this scenario in mind, KVK scientists promoted bee keeping the district through various extension modules. This business benefits beekeepers throughout the year by marketing honey wax, royal jelly, propolis pollen, bee venom, bee lineage etc. and indirectly through pollination, the production of quality crops and seeds also increases.

Plan, Implement, Support and Linkage KVK: He came in contact with Krishi Vigyan Kendra, Basti in 2016. Scientists of KVK Basti suggested him to take the training on beekeeping. He learned technique and skill of bee keeping in training and demonstration at KVK Basti to generate more income for support my family. He started bee keeping in 2016 with investment of Rs. 20,000.00 with 10 boxes to rear the beekeeping. After then he started his business of honey.



Output: He Continuously got consultancy and made touch with scientist of Krishi Vigyan Kendra, Basti. Then he started bee keeping with 10 Bee boxes and he purchased some colony from his own source.

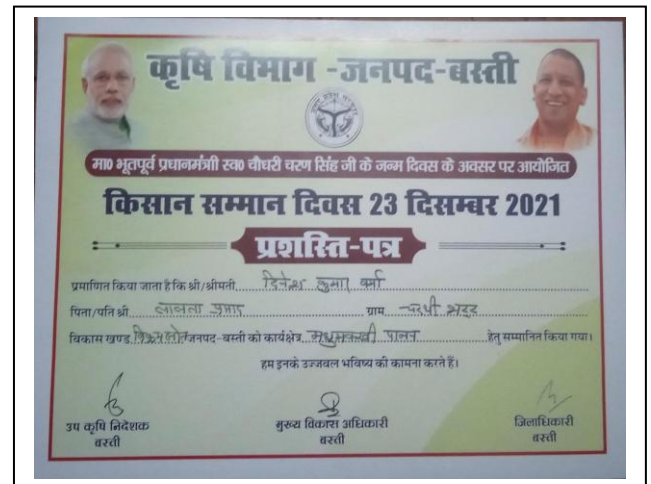
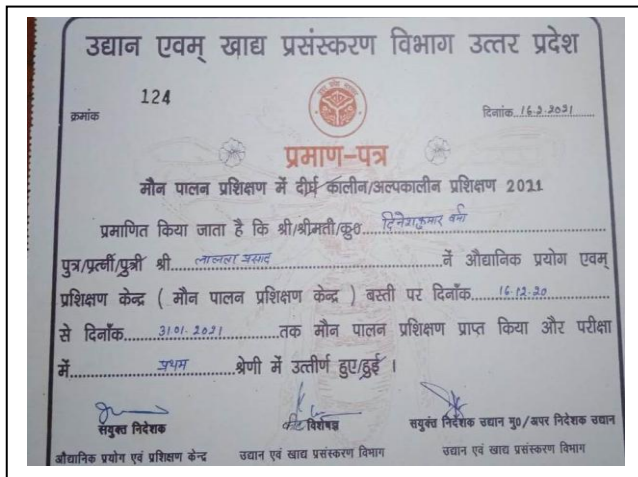
Outcome: He started bee keeping with 10 boxes in year 2016 and got Rs. 12,000.00 in first year. He achieved the confidence and established entrepreneur with a net annual income of about Rs. 1,20,000.00 with 40 boxes.

Economic Return of Dinesh Kumar Verma

Year	No. of Boxes	Yield (kg)	Rate (Rs)	Gross Return (Rs)	Rearing Cost (Rs)	Net Return (Rs)	B:C ratio
2016	10	200	200	40000	28000	12000	1.43
2017	15	270	230	62100	34500	27600	1.80
2018	20	360	250	90000	40000	50000	2.25
2019	30	540	275	148500	62000	86500	2.40
2020	35	630	300	189000	79000	110000	2.39
2021	40	720	310	223200	96000	127200	2.33

Impact:

He is an example for the unemployed youths and landless farmers. Ultimately as a result he got several awards like as & Farm an Food Award 2016 & 2021 etc. The success of Dinesh Kumar Verma landmark in the field of Bee Keeping and by looking at other 34 farmers adopted the Bee Keeping as significant enterprise in the nearby area in distt. Basti.



Success Story of University and District Level Awardee Farmer

Name of farmer: Dhruv Narain Chaudhary
Address: Vill- ,Po-Bedipur, Block- Parasrampur,
Basti
Mobile No. : 9918616970
Age: 52 Yrs
Education: Graduate
Size of land holding (in acre): 15.0



Effect of DFI Intervention

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Component	Names	Area(Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fields Crops	Paddy	5.0	69.20	96880	45000
Fields Crops	Mustard	1.0	5.45	13625	8760
Fields Crops	Wheat	5.0	73.50	117600	65000
Fields Crops	Sugarcane	4.0	722.0	162450	85150
Horticultural crops	Potato	1.00	100.50	70350	40000
Livestock	Cow	10	7000 Ltr	210000	120000
Livestock	fodder	1.0	175.0	35000	20000
Other Intervention	Dairy and Dairy products	01	-	500000	300000
Total					683910

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Component	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Fields Crops	Paddy	7.0	112.0	208320	115000	15.6	155.0
Fields Crops	Mustard	1.0	7.50	33750	21400	37.6	144.0
Fields Crops	Wheat	7.0	121.50	239963	151500	40.0	133.0
Horticultural crops	Sugarcane	5.0	995.0	3134252	210000	25.0	146.0
Horticultural crops	Potato	1.00	110.0	110000	70000	9.45	75.0
Livestock	HNB/Sudan chari	1.00	180.00	54000	32000	2.85	108.0
Livestock	cow	15	12000 lit	420000	250000	50.0	60.0
Other Intervention	Dairy and Dairy products	02		1300000	750000		150.0
Total					1599900		133.9

Brief: Farmer used to get annual income of Rs. 683910.00 from 2016-17 etc. he faced problems like lack of organized marketing system, unavailability of high yielding fish fingerlings in local area and poor quality of fish as food item. Middleman takes full advantage of the unorganized farmers etc. With DFI Intervention like Varietal Evaluation using high yielding variety of crops and fish fingerlings, livestock management and other enterprises like as fish farming etc., he is getting annual income of Rs. 1599900.00



Krishi Vigyan Kendra- Basti (U.P.) Success Story of women farmer Social Reformer

1. **Name and address:** Smt. Anjani Singh w/o Pradeep Singh vill. & Post- Katya, Block- Basti-Sadar, Distt.- Basti.
Mob. No.- 8948091489



2. **Category:** Agriculture/Animal husbandry/ value addition/ empowerment/ social sciences.
3. **Background** She is having 8 acre land & growing wheat, Paddy, Sugercane, Til, Urad & vegetables. She is having 3 cow & 3 buffalos. In spite of these she is participating in many food processing operations like packaging, storage & spending considerable time in household activities & management of animals.
4. **Training and motivational support** KVK Basti provided her training in the field of Fruit & vegetable preservation, stitching of the garments knitting, care of milching animals. She is selling milk & khoya. At the present she is running 8 self help group & acting as "SAMUH SAKHI". She is selling her products under the umbrella of "DURGA AJIVIKA SELF HELP GROUP" & earning Rs. 20,000/Month.
5. **Impact in the area** After getting self satisfaction from earning money. She attracted more number of rural women for employment in the field of value & Animal Husbandry.
6. **Awards & recognitions** She is awarded by two certificates by Uttar Pradesh Gramin Ajivika Mission on 16-10-2020 & 29-11-2020 for her good work.



7. **Contributing/enabling Factors** She is working as Samuh Sakhi of all these 8 self help Group- Durga Ajivika, Kali Ajivika, Jai Mata, Laxmi, Shankar, Naitik, Ujjwala, Jyoti. To see her work more than 10 rural women adopted the business of value addition and purchase the mulching animals for selling of milk.



XIX. Achievement of Special programme. (Jan 2023- Dec. 2023)

1) Achievement of skill development training funded by DAC&FW- Not conducted

2) Activities performed under NARI programme

Table-7.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries
05	05	01	03	01	17	02	34	02	37

Table-7.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice	CR Dhan 310	1.0	05
	Wheat			
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower			
Tuber	Sweet Potato			
Total			1.0	05

3) Achievements of Soil, water, plant and manure samples analyzed by KVKs and soil health cards issued

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil	0.02454	0.03011	0.00091	-	0.03011
Water	-	-	-	-	
Plant	-	-	-	-	
Manure	-	-	-	-	
Total	0.02454	0.03011	0.00091	-	0.03011

4) Achievements under NICRA Project

NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
Demo	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers
10	1.0	163	65.0	16	1.00	16	5	125	3	155

5) Training -Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organized	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production	22	02	32	08	27	01
Goat farming	20	02	28	12	17	04
Bee keeping	06	02	40	0	08	0
Total	48	06	100	20	52	05

7) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance	03	73
2	Road, drain cleaning	05	124
3	Garbage disposal	05	73
4	Door to door awareness	09	178
5	Awareness campaign	10	411
6	Nookkad Drama	-	-
7	School Drama	-	-
8	School rally	02	123
9	Writing painting slogans	-	-
10	Composting	03	79
11	Other	-	-

8) Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1.	Pt. Deen Dayal Upadhyay Krishi Vigyan Rashtriya Protsahan Puruskar 2021	Krishi Vigyan Kendra- Basti	2021	16.7.2022
2.	National Level Farm an Food Award 2022	Krishi Vigyan Kendra- Basti	2022	16.1.2023
3.	Smt. Krishnawati, Nagpur	Vill- Nagpur, Po- Harriya, Basti	2022	
4.	Sri .Bijendra Pal	Vill- Pachari Kala, Rudhauili, Basti	2022	
5.	National Level Farm an Food Award 2022, Sri Sahebdeen Nishad, Ahmad Ali, Brihaspati Pandey	Vill- Manjaha - Kaptanganj, Vill- Dubaulia, Vill- Tharauli-Gaura	2023	6.01.2023

-----XXXXXXX-----