

PROFORMA FOR PREPARATION OF ANNUAL REPORT (Jan to December 2020)

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	32	660	67	727
Rural youths	7	242	2	244
Extension functionaries	3	45	0	45
Sponsored Training	1	45	5	50
Vocational Training	5	220	0	220
Total	48	1212	74	1286

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	50	20	
Pulses	63	25.2	
Cereals	20	4	
Vegetables			
Other crops	55	8	
Hybrid crops			
Total	188	57.2	
Livestock & Fisheries			
Other enterprises	5		5
Total	5		5
Grand Total	193	57.2	5

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	5	56	
Livestock	1	1	
Various enterprises			
Total	6	57	
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total			

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1655	10060
Other extension activities	26	Mass
Total	1681	Mass

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
	Text only	429	34	81	52	530	29	1266
	Voice only	35	11	18	5	25	6	100
	Voice & Text both							0
	Total Messages	464	45	99	57	555	35	1366
	Total farmers Benefitted	40321	201105	84643	40009	395207	81402	411205

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	290	300000
Planting material (No.)	21800	6040
Bio-Products (kg)	150	54000
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil (167)	167	
Water		
Plant		
Total	167	

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	
2	Conferences	
3	Meetings	
4	Trainings for KVK officials	
5	Visits of KVK officials	
6	Book published	
7	Training Manual	4
8	Book chapters	1
9	Research papers	7
10	Lead papers	
11	Seminar papers	
12	Extension folder	
13	Proceedings	
14	Award & recognition	
15	On going research projects	

DETAIL REPORT OF APR-2020

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Mahayogi Gorakhnath Krishi Vigyan Kendra, Chauk Mafi (Pepeganj), Jangal Kaudia, Gorakhpur, (U.P.)	0551- 2255453 2255454	0551- 2255455	gorakhpurkvk2@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Guru Gorakshnath Sewa Santhan, Sri Gorakhnath Mandir, Gorakhpur	0551- 2255453, 54	0551- 2255455	gorakhpurkvk2@gmail.com

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sandip Kumar Singh	-	9453721026	sandipsingh11@rediffmail.com

1.4. Year of sanction: 2016

1.5. Staff Position (as on 29st Jan, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Sandip Kumar Singh	Sr. Scientist cum Head	Agronomy	37400-67000	46,400	20/01/2017	Temporary	Others	9453721026		sandipsingh11@rediffmail.com
2	Subject Matter Specialist	Dr. Vivek Pratap Singh	Subject Matter Specialist	Animal Husbandary and Dairying	15600-39100	22,280	31/07/2017	Temporary	Others	9415745095		vpslpm@gmail.com
3	Subject Matter Specialist	Dr. Ajit Kumar Srivastava	Subject Matter Specialist	Horticulture	15600-39100	22,280	01/08/2017	Temporary	Others	8787264166		ajiticar@gmail.com
4	Subject Matter Specialist	Dr. Rahul Kumar Singh	Subject Matter Specialist	Agri. Extension	15600-39100	22,280	01/08/2017	Temporary	Others	9454054072		rahulrxt91@gmail.com
5	Subject Matter Specialist	Mr. Avanish Kumar Singh	Subject Matter Specialist	Agronomy	15600-39100	22,280	01/08/2017	Temporary	Others	9792099943		avanishsinghicar@gmail.com
6	Subject Matter Specialist	Mr. Sandeep Prakash Upadhyay	Subject Matter Specialist	Soil Science	15600-39100	22,280	01/08/2017	Temporary	Others	9690475529		sandeepupadhyay383@gmail.com
7	Subject Matter Specialist	Mrs. Shweta Singh	Subject Matter Specialist	Home Science	15600-39100	21000	18/01/2021	Temporary	Others	9453158193		shweta429@gmail.com
8	Programme Assistant	Gaurav Kumar Singh	Programme Assistant-Computer	IT	9300-34800	37,600	14/08/2017	Temporary	Others	9838674999		vishengaurav@gmail.com
9	Computer Programmer	Jitendra Kumar Singh	Programme Assistant	Lab. Technician	9300-34800	36,500	14.08.2018	Temporary	OBC	9956912021		jitendra.s273158@gmail.com
10	Farm Manager	Ashish Kumar Singh	Programme Assistant	Farm Manager	9300-34800	36,500	14.08.2018	Temporary	Others	7752941868		ashishksingh1994@gmail.com
11	Accountant / Superintendent	Shubham Pandey	Assistant	Assistant	9300-34800	36,500	14.08.2018	Temporary	Others	7752941868		luckywatson123@gmail.com
12	Stenographer	Vacant	Stenographer Grade-III									
13	Driver	Sanjay	Driver-cum-	Driver	5200-	22,400	14.08.2018	Temporary	OBC	9415853387		sanjavyadavmgkvk@gmail.com

		Kumar Yadav	Mechanic		20200							
14	Driver	Dinesh Rao	Driver-cum-Mechanic	Driver	5200-20200	22,400	14.08.2018	Temporary	OBC	9695713464		dineshgkp1991@gmail.com
15	Supporting staff	Jai Prakash Singh	Supporting Staaf Grade-I	Skilled Supporting Staaf	5200-20200	18,500	14.08.2018	Temporary	Others	8545003001		jaiprakashsingh1005@gmail.com
16	Supporting staff	Abhimanyu Kumar Verma	Supporting Staff Grade-I	Skilled Supporting Staff	5200-20200	18,500	14.08.2018	Temporary	OBC	9918989802		abhimanyuverma0808@gmail.com

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	0.80
2.	Under Demonstration Units	-
3.	Under Crops	12
4.	Orchard/Agro-forestry	-
5.	Others (specify)	-

1.7. Infrastructural Development:

A) Buildings

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	2 March 2019	-	144.09 Lakh			
2.	Farmers Hostel	ICAR	Under Construction	-	66.41 Lakh			
3.	Staff Quarters (6)	ICAR	Completed	-	61.52 Lakh			
4.	Demonstration Units (2)							
5.	Fencing							
6.	Rain Water harvesting system							
7.	Threshing floor							
8.	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (UP 53 CL 5201)	2017	9.55	600	Good Condition
Bolero (UP 53 AG1220)	2019	6.50	120	Good Condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Groundnut Decorticator	2019	5389	Good Condition
UMMB machine	2019	11006	Good Condition

1.8. A). Details SAC meeting* conducted in the year

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.		1. Dr. V.M. Mayande, Vice-chancellor, Dr. P.D. K.V. Akola 2. Dr. N. Sudhakar, Zonal Coordinator, ZC Unit Hyderabad 3. Dr. S.R. Khonde, Director of Extension, Dr. P.D. K.V, Akola 4. Dr. Vijaya Kumar, Director, AIR	1. 2. ... 3. ... 4. ... 5. ... 6. ... 7. ...	1. 2. ... 3. ... 4. ... 5. ... 6. ... 7. ...

		5. 6. 7. 8.	8. ... 9. ...	8.
2.				

Note : This yellow mark may be treated as an example

* Attach a copy of SAC proceedings along with list of participants

2. DETAILS OF DISTRICT (31st December, 2020)

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

S. No	Farming system/enterprise
1.	Crop Production + Livestock
2.	Crop Production + Poultry
3.	Crop Production + Fisheries
4.	Crop Production + Vegetable Production
5.	Crop Production + Vegetable Production+ Orchard

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

S. No	Agro-climatic Zone	Characteristics
1.	AES-1 (Sandy loam)	Poor water holding capacity
2.	AES-2 (Silty loam, Khadar Soil)	Medium water holding capacity
3.	AES-3 (Clay Loam)	Good water holding capacity

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	AES-1	Soil Type-Sandy loam	160952
2.	AES-2	Soil Type-Silty loam, Khadar Soil	121714
3.	AES-3	Soil Type-Clay Loam	52651

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
A	FIELD CROPS INCLUDING OIL SEEDS AND PULSES			
1.	Paddy	152497	202895	15.26
2.	Maize	3299	4281	12.98
3.	Jowar	27	37	13.70
4.	Bajra	369	-617	16.72
5.	Arhar	8659	4978	5.75
6.	Urd	24	09	3.73
7.	Moong	02	01	2.77
8.	Ground Nut	2547	1508	5.92
9.	Til	75	12	1.62
10.	Wheat	190499	448884	23.89
11.	Barley	708	1388	19.60
12.	Gram	668	544	8.15
13.	Pea	2766	3587	12.97
14.	Lentil	2275	2067	9.08
15.	Mustard	3492	2373	6.80
16.	Linseed	47	02	4.20
17.	Sugarcane	3955	209034	528.53
B	FRUITS			
1.	Banana	6600	264000	40.00

2.	Mango	5500	38500	07.00
3.	Guava	1550	15500	10.00
4.	Litchi	200	13000	06.50
5.	Jamun	100	500	05.00
6.	Papaya	50	500	10.00
7.	Jackfruit	40	360	09.00
8.	Citrus	20	160	08.00
C	VEGETABLES			
1.	Potato	5000	125490	250.90

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>			
<i>Indigenous</i>			
Buffalo			
Sheep			
<i>Crossbred</i>			
<i>Indigenous</i>			
Goats			
Pigs			
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits			
Poultry			
Hens			
<i>Desi</i>			
<i>Improved</i>			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (31st December, 2020)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Campier ganj	Jungle Kaudia	Chauk Mafi, Badhya chouk, Madaha , Rajabari, Ranana diha, Majhau na Sakhi,	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bitter Gourd, Cucumber, Pumpkin, Ridge Gourd & Cattle	Low Yield, Anestrus and malnutrition in animal, weed infestation, pod-borer in pea, chick pea, Pigeon pea, soil erosion, less use of organic manure, Lack of awareness on post-harvest technology, value addition and drudgery reduction, Lack of timely information and technical guidance, Lack of knowledge about identification of insect-pest and different symptoms of diseases and pest attack	To improve productivity per unit area through Introduction of HYV, Integrated Nutrient Management, Integrated Disease Management, Integrated Weed Management, Seed production technology Maintenance of Old Orchard, Integrated pest management, Resource Conservation Technology, Kitchen gardening for production of nutritional food by women farmers, Raising productivity of livestock by upgrading the genetic potential by artificial insemination and use of mineral mixture, proper feeding and management, Post-Harvest management of food grain seed, fruits, vegetables, milk and milk products, less use of organic manure
2.	Campier ganj	Campier ganj	Bhaghi bhari, Atkawa , Mithouri, Kalyan pur, Ramchaura, Bhagwanpu	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Cucumber, Pumpkin, Banana, Mango	Incidence of insect-pest and diseases in cereals, pulses, oilseeds, fiber, sugarcane, forage, vegetable, fruit and ornamental crops, Lack of awareness about production and management of livestock's, vaccination and important disease problem in livestock	do

3.	Sadar	Bhathat	Sarhare, Tikariya, Jungle dumri Chakjalal Aurangabad	Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin	Lesser adoption of Good Agronomical Practices (GAP) like summer ploughing and destruction of stubbles, line sowing and raised bed planting method, intercropping, crop rotation, green manuring and application of neem cake, ground nut cake for pest management, Lack of knowledge about HYV of horticultural crops and latest production technology	do
4.	Sahjanwala	Pali	Usri, Madar, Bharpahi, Bhaksa, Musthafabad,	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Ridge Gourd, Banana, Mango, Cattle	Lesser adoption of seed treatment technique and use of higher doses of pesticides in vegetables and cereals. Low consumption and injudicious use of pesticides in rice, wheat, pulses, fiber and fruit plants. Higher doses and frequently usage of chemical pesticides in vegetable crops.	Do
5.	Sadar	Chargawan	Bisunpur, Jangalaurahi, Lakshmipur, Parmeshapur, Jungle Dhushan, Siktora, Maniram, Sonbarshala	Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango	do	do

6.	Sadar	Pipraich	Mohanpur, Baraipur, Bela, Bhaisaha, Gaura, Gopalpur, Kushmi	Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo	do	do
7.	Chauri Chaura	Sadar Nagar	Bardi, Bhagwanpur, Chaura, Devipur, Sariyaiya, Bhauapar	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Cow	do	do
8.	Sadar	Khorabar	Bhumihari, Amhiya, Bhaisaha	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, tree plantation, Mango, goat	do	do

9	Sahjanw a	Sahjanw a	Keshok urha, Bhimap ar, Keshav pur, Gahash ad, basia bhagaur a	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo, cow	do	do
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2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Crop Production	Production Technology for kharif, rabi and zaid crop. Improved Production Technology through mechanization
RCT	Promotion of resource conservation technology
Entrepreneurship	Entrepreneurship development in rural youth
Drudgery reduction	Drudgery reduction technology and Drudgery reducing farm implements among farm women
Horticultural crops	Promotion of high value horticultural crop, Quality seed/planting material production
Live stock	Raising productivity of livestock, upgrading genetic potential through artificial insemination, use of mineral mixture, disease and parasitic control, proper feeding and management
Organic inputs production	NADEP and Vermi-composting
IPM	Promotion of Integrated Pest Management strategies for safe food production and environment protection
INM	Promotion of site specific nutrient management through INM for sustainable soil health
Kitchen Gardening	Nutritional security through kitchen gardening
Cucurbitaceous (bottle gourd, pumpkin, sponge gourd, bitter gourd etc.), groundnut, potato	Introduction of HYV, integrated disease/pest management, integrated nutrient management
Rice, Wheat, Pulses (Pigeon pea, chick pea, lentil, field pea, urd and moong)	Introduction of HYV, Integrated Nutrient Management, Integrated Disease Management, Resource Conservation Technology, Integrated Weed Management, Seed production technology
Cole crop(cauliflower, cabbage), Tomato, Okra, Chilli	Introduction of HYV, integrated pest and disease management, integrated nutrient management

* An example for guidance only

2.9 Intervention/ Programmes for the doubling the farmers income –(Jan 2020-Dec. 2020)

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.							

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.							

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.							

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.							

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
Relay Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

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
Relay Cropping System(Kharif-Rabi-Zaid)-Livestock etc.							

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.							

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.							

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.							

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.							

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

Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2020

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
4	3	20	15	85.66	80.66	243	263

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	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	83	32	1645	727				
Rural youth	11	7	150	244				
Extn. Functionaries	20	3	300	45				
	114	42	2095	1016				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
403	290	48	20000	21800	92

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				

Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total				

Summary of technologies assessed under **livestock** by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total				

Summary of technologies assessed under various **enterprises** by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers

Note: Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with $50 \times 5 = 250$ trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

I.B. TECHNOLOGY REFINEMENT

Summary of technologies refined under various **CROPS** by KVKs

Thematic areas	Crop	Name of the technology refined	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total				

Summary of technologies refined under various **livestock** by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management	Cattle	Assessment of azolla feeding as green fodder on milk production in dairy cow	05	05
Nutrition Management	Buffalo	Assessment of by pass protein on milk production in dairy buffalo	05	05

Production and Management				
Others (Pl. specify)				
Total				

Summary of technologies refined under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Feed and Fodder management	Cow	Assessment of azolla feeding as green fodder on milk production in dairy cow	05	05
Nutrition Management	Buffalo	Assessment of bye pass protein on milk production in dairy buffalo	05	05

Note: Suppose **IPM in paddy** is the technology refined by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with $50 \times 5 = 250$ trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment and or refinement under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

INTEGRATED NUTRIENT MANAGEMENT

(OFT-Paddy)

[2020]

Problem Definition: Low yield in Paddy due to use of imbalanced dose of fertilizer and no use of biofertilizer.

Technology Assessed: Assessment of yield and economics in paddy.

Paddy (*Oryza sativa*) is one of the most common cereals crops grown in *Kharif* season under irrigated condition. The yield of paddy is being lowered down due to use of imbalanced dose of chemical fertilizer and no use of zinc sulphate and *Azotobacter*. MGKVK Gorakhpur has designed On Farm Trial in paddy crop for yield maximization. The assessed technology of 20% less chemical fertilizer (100:40:40::N:P:K kg/ha) + zinc sulphate 33% @ 2% (three foliar application i.e. 15, 30 and 45 DAT) and *Azotobacter*- 1×10^8 cfu @ 200 ml/acre (as soil application @ 200 mL/acre + 50 kg FYM before 24 hours of transplanting) were comprised in paddy variety Sambha Sab 1. The demonstrated technology yielded 48.28 q/ha yield which was 23.01% higher over farmer's practice (39.25 q/ha). The other traits like number of effective tillers/plant, number of grains/spike and plant height were recorded more i.e. 21, 271 and 96 respectively in demonstrated technology as compared to farmer's practices. Farmers accepted and appreciated the demonstrated technology.

Table: Effect of balanced dose of chemical fertilizer with *Azotobacter* in paddy

Technology Option	No. of trials	No of tillers/plants	No of grains/spike	Plant height(cm)	Yield (q/ha)	%increase in yield
T-1: Farmers Practice (170:40:0::N:P:K)kg/ha and no use of zinc sulphate & Azotobacter	03	16	214	85	39.25	-
T-2: Sambha sab 1+ 20% less dose of chemical Fertilizer(100:40:40::N:P:K)kg/ha+zinc sulphate33% @2% foliar spr, Azotobacter @200ml/acre.		21	271	96	48.28	23.01

Technology Option	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
T-1: Farmers Practice	31300	74104	42804	2.37
T-2: Demonstration	32700	91153	58453	2.79

INTEGRATED NUTRIENT MANAGEMENT

(Chickpea)
(2019-20)

Problem Definition: Low yield of chickpea due to no use of biofertilizer.

Technology Assessed: Assessment of bio-fertilizer on productivity of chick pea.

Chickpea (*Cicer arietinum*) is one of the most common pulse crops grown in Rabi season under irrigated condition. It also plays an important role in sustainable agriculture enriching the soil through biological nitrogen fixation. The yield of chickpea is being lowered down due to imbalanced dose of chemical fertilizer and no use of micronutrient (Boron). MGKVK Gorakhpur conducted on farm trial for enhancing the chickpea production with balance nutrient management practices with use of biofertilizer (PSB). The assessed technology of balanced dose of chemical fertilizer @ 15:40:20:20::N:P:K:S kg/ha (Farmers share) + PSB @ 500 mL/ha in GNG 1581 were found to be better percent increase in yield over farmers practice. Results were found to be better with 38.69 per cent increase in yield over farmers' practices. The highest benefit cost ratio i.e 2.80 was recorded with the application of balanced dose of chemical fertilizer @ (15:40:20:20::N:P:K:S) kg/ha (Farmers share) + PSB @ 500 mL/ha and lowest was recorded in farmers practice i.e. 2.48 due to imbalanced use of chemical fertilizer.

Table: Effect of Balanced Dose of Chemical Fertilizer with use of biofertilizer (PSB) in chick pea

Technology Option	No. of trials	No of pods per plants	Plant height (cm)	No of seeds/pod	Yield(kg/ha)	%increase in yield	B:C Ratio
T-1: Farmers Practice Imbalanced dose of chemical fertilizer and no use of boron micronutrient	03	59	44.3	2	10.17	-	2.48

T-2: HYV:GNG 1581+ Balanced Dose of chemical Fertilizer(20:40:30:30:: N:P:K:S)kg/ha + Boron (20%) @ 0.2% solution 2 foliar application		94	56.0	2	14.10	38.69	2.80
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II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2016-17 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.	Mustard	Integrated nutrient management in mustard	Paddy-Mustard Var. Pusavijay + Sulphur (30kg/ha) + Intercropping with sugarcane	Demonstration, Trainings, Field Day, Literature Distributed, Advisory Services	4	14	2.0
2.	Chickpea	Integrated nutrient management in chickpea	Paddy-Chickpea var. GNG-1581+Balance dose of fertilizer (12:40:30:30:10:: N:P:K:S:B) Kg/ha + intercropping with coriander-Mung bean	Demonstration, Trainings, Field Day, Literature Distributed, Advisory Services	5	10	2.5
3.	Paddy	Integrated nutrient management in paddy	Paddy + Balanced dose of fertilizer and use of ZnSO ₄ and (N:P:K:::100:40:40 farmers share) + 33% mono ZnSo ₄ foliar spray of 0.5%- + Azotobacter @500 mL/ha,	Demonstration, Trainings, Field Day, Literature Distributed, Advisory Services	4	10	1.0

			soil and seed treatment, Wheat-Mung bean				
4.	Sorghum	Feed and Fodder management	Seed	Demonstration, Trainings, Field Day, Advisory Services	08	23	04
5.	Berseem	Feed and Fodder management	Seed	Demonstration, Trainings, Advisory Services	06	32	04

* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during **2020** (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	The matic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	

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					

Technical Feedback on the demonstrated technologies

S. No	Feed Back
Mustard	
1	It is suitable for 24rganize sowing, 2.5-3.5 kg/ha seed is sufficient
2	It is suitable for irrigated conditions
3	It is of long maturity (140-150 days)
Pigeon pea	
1	Variety NA-2 has been found better than non-identified local variety
2	Variety NA-2 with fertilizer response appreciated by the farmers
Chickpea	
1	Chick Pea Variety RVG-202 is resistant to water logging condition and tolerant against wilt, Ascochyta blight, stunt and root rot, medium height and semi erect plant
2	Use of carbendazim as a seed treatment resulted to control collar rot/wilt
3	Application of balanced dose of fertilizer found effective in higher production
4	There is a need to develop a method to know the effectiveness and activeness of microbes in bio-agents at local level
5	No use of balanced dose of fertilizer is a major constraint for production of chick pea

6	Lack of awareness about IPM strategies
Paddy	
1	Use of balanced dose of fertilizer (120:60:40kg/ha N:P:K::+ZnSO ₄ 25kg/ha) found an important role in higher sustainable production
2	Application of ZnSO ₄ is useful to control of Khaira disease and also it enhances the photosynthetic rate of plant resultantly enhance the production of paddy
Berseem	
1	Variety Green Gold is highly productive and multi-cut variety
2	Dark green leaves and tolerant to acidic condition
3	This variety flowers in 150-160 days and matures in 180-190 days.

Note:- Yield affected due to attack of blue bulls at different growth stages of crop

Farmers' reactions on specific technologies

S. No	Feed Back
Mustard	
1.	Farmers were happy with HYV RH 749
2.	RH 749 may be sown with in 15 th October that reduces the aphid infestation and resultantly increase the production
3.	Farmers appreciated the demonstration
Pigeon Pea	
1.	NA-2 seed is not available in market but this variety is better than others
2.	No of pods are higher in comparison to other varieties
3.	Yield received less due to attack of blue bulls at different growth stages of crop
Chickpea	
1	Variety RVG-202 appreciated by farmers because seed size is slightly bold
2	Farmers accepted fertilizer dose as recommended by scientists
3	Attack of Neelgai during the maturity of crops is a constraint for chick pea production
Paddy	
1.	Farmers are not aware about improved production technology of paddy
2.	Recommended dose of fertilizer along with Zinc Sulphate is appreciated by the farmers
3.	Imbalanced use of fertilizer is a major constraint for production of paddy
Berseem	
1	Farmers were happy to grow this variety, they received higher quantity of forage
2	Farmers' appreciated the demonstration due to more cutting of this variety (5-6 cuts)

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				
2	Farmers Training	03	02/06/2020 09/10/2020 17/10/2020	79	
3	Media coverage	10	03/06/2020 10/10/2020 18/10/2020	mass	
4	Training for extension functionaries				

Soybean																		

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

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Pigeonpea	ICM	Seed-6 kg/acre+seed treatment Trichoderma 5 gram/kg+Imazathyper 10%SL @1 lt /ha+Emamectin Benzoate 5% SG @220g/ha for pod boarer management (Farmer Share)	NA 2	38	15.2	-	-	14.2	10	43.14	27650	85200	57550	3.08	24200	61200	37000	2.52
Blackgram																		
Greengram																		
Chickpea	ICM	Seed + imamactin 27rganize 5% SG (Farmer Share)	RVG-202	25	10	-	-	15.61	10.86	43.77	34580	85855	51275	2.48	32150	58355	26205	1.81

	INM	Paddy-Chickpea var. GNG-1581+Balance dose of fertilizer (12:40:30:30:10::N:P:K:S:B) Kg/ha + intercropping with coriander-Mung bean	GNG-1581	10	2.5	Result awaited											
Fieldpea																	
Lentil																	
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

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)			% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs.)			
					Demo				Check	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return
					High	Low	Average											
Cereals																		
Paddy	Integrated nutrient management in paddy	Paddy + Balanced dose of fertilizer and use of ZnSO ₄ and (N:P:K::100:40:40 farmers share) + 33% mono ZnSo ₄ foliar spray of 0.5%- + Azotobacter @500 mL/ha, soil and seed treatment, Wheat-Mung bean	10	1	51.58	46.70	49.58	40.10	23.64	97 cm.	86 cm.	32300	93607	61307	2.89	30150	75709	45559
Waterlogged Situation																		
Coarse Rice																		
Scented Rice																		
Wheat	Integrated nutrient management in wheat	Paddy-Wheat Var. HD 2967+120:60:40::N:P:K + VAM @ 10kg+500kg FYM/ha-Mung bean	10	3	52.34	46.45	49.04	39.03	25.65	91 cm.	83 cm.	31150	94402	63252	3.03	30290	75133	44843

Potato																		
Medicinal & aromatic plants																		
Mentholment																		
Kalmegh																		
Ashwagandha																		
Fodder Crops																		
Sorghum (F)	VE	CSH 24 MF	23	4	725	550	638.9	550	16	Multicut var.4 cut	3 cutting	29137	63800	34663	1.19	28400	55000	25863
Cowpea (F)																		
Maize (F)																		
Lucern																		
Berseem	VE	Green Gold	32	4	900	700	785	650	20.76	Multicut 5 cutting	4 cutting	38000	78500	40500	1.06	38000	65000	27000
Oat (F)																		

* 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 Livestock

Category	Thematic area	Name of the technology	No. of Farmer	No.of Units (Animal/	Major parameters	% change	Other parameter	Economics of demonstration (Rs.)	Economics of check (Rs.)
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		demonstrated		Poultry/ Birds, etc)	Demo	Check	in major parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Cattle																		
Buffalo																		
Buffalo Calf																		
Dairy																		
Poultry																		
Sheep & Goat																		
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

FLD on Demonstration details on crop hybrids (*Details of Hybrid FLDs implemented during 2020*)

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

f) Spices										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				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
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	0	0	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management										
Soil fertility management				0			0	0	0	0
Integrated water management				0			0	0	0	0
Integrated Nutrient Management	2	52	1	53			0	52	1	53
Production and use of organic inputs	1	18	1	19			0	18	1	19
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops				0			0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers				0			0	0	0	0
Soil and Water Testing	1	19		19			0	19	0	19
Others (pl specify)				0			0	0	0	0
Total	4	89	2	91	0	0	0	89	2	91
IV Livestock Production and Management										
Dairy Management				0			0	0	0	0
Poultry Management				0			0	0	0	0
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management	1	18	2	20	6		6	24	2	26
Feed & fodder technology	2	45	4	49	7		7	52	4	56
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	3	63	6	69	13	0	13	76	6	82
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening				0			0	0	0	0
Design and development of low/minimum cost diet				0			0	0	0	0
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition				0			0	0	0	0
Women empowerment				0			0	0	0	0
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VI Agril. Engineering										
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0

Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management				0			0	0	0	0
Integrated Disease Management				0			0	0	0	0
Bio-control of pests and diseases				0			0	0	0	0
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VIII Fisheries										
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management	0			0			0	0	0	0
Carp fry and fingerling rearing	0			0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site										
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics										
Leadership development				0			0	0	0	0
Group dynamics				0			0	0	0	0
Formation and Management of SHGs				0			0	0	0	0
Mobilization of social capital				0			0	0	0	0
Entrepreneurial development of farmers/youths	1	10	0	10	1	0	1	11	0	11
WTO and IPR issues				0			0	0	0	0
Others (pl specify)	2	39	21	60	12	4	16	51	25	76
Total	3	49	21	70	13	4	17	62	25	87
XI Agro-forestry										
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	10	201	29	230	26	4	30	227	33	260

Farmers' Training including sponsored training programmes (off campus)

g) Medicinal and Aromatic Plants										
Nursery management	0			0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	2	51	12	63	1	0	1	52	12	64
III Soil Health and Fertility Management										
Soil fertility management				0			0	0	0	0
Integrated water management				0			0	0	0	0
Integrated Nutrient Management	1	17	1	18	2		2	19	1	20
Production and use of organic inputs	1	25		25	2		2	27	0	27
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops				0			0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers	1	24		24	3		3	27	0	27
Soil and Water Testing	1	26	4	30			0	26	4	30
Others (pl specify)				0			0	0	0	0
Total	4	92	5	97	7	0	7	99	5	104
IV Livestock Production and Management										
Dairy Management	1	14	5	19	1		1	15	5	20
Poultry Management	1	11		11	9		9	20	0	20
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management				0			0	0	0	0
Feed & fodder technology				0			0	0	0	0
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	2	25	5	30	10	0	10	35	5	40
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening				0			0	0	0	0
Design and development of low/minimum cost diet				0			0	0	0	0
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition				0			0	0	0	0
Women empowerment				0			0	0	0	0
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VI Agril. Engineering										
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management				0			0	0	0	0
Integrated Disease Management				0			0	0	0	0

Bio-control of pests and diseases				0			0	0	0	0
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VIII Fisheries										
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site										
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics										
Leadership development				0			0	0	0	0
Group dynamics				0			0	0	0	0
Formation and Management of SHGs	4	79	0	79	9	0	9	88	0	88
Mobilization of social capital	1	16	1	17	5	0	5	21	1	22
Entrepreneurial development of farmers/youths	1	5	2	7	9	5	14	14	7	21
WTO and IPR issues				0			0	0	0	0
Others (pl specify)	1	22	0	22	0	0	0	22	0	22
Total	7	122	3	125	23	5	28	145	8	153
XI Agro-forestry										
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	22	387	25	412	46	9	55	433	34	467

Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	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
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	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish 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	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	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
X Capacity Building and Group Dynamics										
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	4	79	0	79	9	0	9	88	0	88
Mobilization of social capital	1	16	1	17	5	0	5	21	1	22
Entrepreneurial development of farmers/youths	2	15	2	17	10	5	15	25	7	32
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	3	61	21	82	12	4	16	73	25	98
Total	10	171	24	195	36	9	45	207	33	240
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
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	32	588	54	642	72	13	85	660	67	727

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	1	34	0	34	2	0	2	36	0	36
Training and pruning of orchards	0			0			0	0	0	0
Protected cultivation of vegetable crops	1	42	0	42	1	0	1	43	0	43
Commercial fruit production	0			0			0	0	0	0
Integrated farming	0			0			0	0	0	0
Seed production	0			0			0	0	0	0
Production of organic inputs	1	19	2	21			0	19	2	21
Planting material production	0			0			0	0	0	0
Vermi-culture	0			0			0	0	0	0
Mushroom Production	2	77		77	8		8	85	0	85
Bee-keeping	1	15	0	15	0	0	0	15	0	15
Sericulture	0			0			0	0	0	0
Repair and maintenance of farm machinery and implements	0			0			0	0	0	0
Value addition	0			0			0	0	0	0
Small scale processing	0			0			0	0	0	0
Post Harvest Technology	0			0			0	0	0	0
Tailoring and Stitching	0			0			0	0	0	0
Rural Crafts	0			0			0	0	0	0
Production of quality animal products	0			0			0	0	0	0
Dairying	0			0			0	0	0	0
Sheep and goat rearing	0			0			0	0	0	0
Quail farming	0			0			0	0	0	0
Piggery	0			0			0	0	0	0
Rabbit farming	0			0			0	0	0	0
Poultry production	0			0			0	0	0	0
Ornamental fisheries	0			0			0	0	0	0
Composite fish culture	0			0			0	0	0	0
Freshwater prawn culture	0			0			0	0	0	0
Shrimp farming	0			0			0	0	0	0
Pearl culture	0			0			0	0	0	0
Cold water fisheries	0			0			0	0	0	0
Fish harvest and processing technology	0			0			0	0	0	0
Fry and fingerling rearing	0			0			0	0	0	0
Any other (pl.specify)	1	40	0	40	4	0	4	44	0	44
TOTAL	7	227	2	229	15	0	15	242	2	244

Training for Rural Youths including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
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										

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	1	34	0	34	2	0	2	36	0	36
Training and pruning of orchards	0			0			0	0	0	0
Protected cultivation of vegetable crops	1	42	0	42	1	0	1	43	0	43
Commercial fruit production	0			0			0	0	0	0
Integrated farming	0			0			0	0	0	0
Seed production	0			0			0	0	0	0
Production of organic inputs	1	19	2	21			0	19	2	21
Planting material production	0			0			0	0	0	0
Vermi-culture	0			0			0	0	0	0
Mushroom Production	2	77		77	8		8	85	0	85
Bee-keeping	1	15	0	15	0	0	0	15	0	15
Sericulture	0			0			0	0	0	0
Repair and maintenance of	0			0			0	0	0	0

Farm machinery										
Farm machinery, tools and implements	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Livestock and fisheries										
Livestock production and management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Animal Disease Management				0			0	0	0	0
Fisheries Nutrition				0			0	0	0	0
Fisheries Management				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Home Science										
Household nutritional security	0	0	0	0	0	0	0	0	0	0
Economic empowerment of women				0			0	0	0	0
Drudgery reduction of women				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Agricultural Extension										
Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	1	45	5	50	0	0	0	45	5	50
Total	1	45	5	50	0	0	0	45	5	50
GRAND TOTAL	1	45	5	50	0	0	0	45	5	50

Name of sponsoring agencies involved

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture	0			0			0	0	0	0
Commercial fruit production				0			0	0	0	0
Commercial vegetable production				0			0	0	0	0
Integrated crop management				0			0	0	0	0
Organic farming				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition										
Value addition	0			0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Livestock and fisheries										
Dairy farming	1	24		24	8		8	32	0	32
Composite fish culture				0			0	0	0	0
Sheep and goat rearing	1	26		26	15		15	41	0	41
Piggery				0			0	0	0	0
Poultry farming	1	35		35	5		5	40	0	40
Others (pl. specify)	1	57		57	5		5	62	0	62
Total	4	142	0	142	33	0	33	175	0	175
Income generation activities										
Vermicomposting	0			0			0	0	0	0
Production of bio-agents, bio-pesticides, bio-fertilizers etc.				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Seed production				0			0	0	0	0

Sericulture				0			0	0	0	0
Mushroom cultivation				0			0	0	0	0
Nursery, grafting etc.				0			0	0	0	0
Tailoring, stitching, embroidery, dying etc.				0			0	0	0	0
Agril. para-workers, para-vet training				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Agricultural Extension										
Capacity building and group dynamics	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	1	35	0	35	10	0	10	45	0	45
Total	1	35	0	35	10	0	10	45	0	45
Grand Total	5	177	0	177	43	0	43	220	0	220

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	845	942	45	987
Diagnostic visits	135	240	5	245
Field Day	3	72	10	82
Group discussions	3	47	15	62
Kisan Ghosthi	21	1380	122	1502
Film Show	6	144	25	169
Self -help groups	2	37	6	43
Kisan Mela	3	2775	142	2917
Exhibition	1	220	12	232
Scientists' visit to farmers field	546	1527	32	1559
Plant/animal health camps	2	350	0	350
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	0	0	0	0
Farmers' seminar/workshop	2	650	0	650
Method Demonstrations	25	272	18	290
Celebration of important days	6	156	2	158
Special day celebration	5	150	0	150
Exposure visits	13	41	5	46
Others (pl. specify)	37	526	92	618
Total	1655	9529	531	10060

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	4
News paper coverage	250
Popular articles	26
Radio Talks	8
TV Talks	15
Animal health camps (Number of animals treated)	0
Others (pl. specify)	5
Total	26

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	
MGKVK	Text only	429	34	81	52	530	29	1266
	Voice only	35	11	18	5	25	6	100
	Voice & Text both							0
	Total Messages	464	45	99	57	555	35	1366
	Total farmers Benefitted	40321	201105	84643	40009	395207	81402	411205

Others						
Total				290	300000	48

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Bottle Guard	Kashi Ganga	-	3500	3500	65
	Pumpkin	Kashi Harit	-	1500	1500	12
	Onion	ALR	-	16000	400	8
Fruits						
Ornamental plants	Marigold	Pusa Narangi	-	800	640	7
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				21800	6040	92

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				
	Honey	150	54000	225
Others				
Total		150	54000	225

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)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	167	167	10	
Water				
Plant				
Manure				
Others (pl.specify)				
Total	167	167	10	

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
MGKVK	2	13-02-2020

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution

X. PUBLICATIONS

Category	Number
Books	
Technical bulletins	
Research Paper	7
Lead Papers	
Book Chapters	1
Popular Articles	
Newsletters	
Technical reports	
Others (pl. specify)	10

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)

Total												

XIII. 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
Total				

B. HRD activities organized in identified areas for KVK staff by Zonal Project Directorate

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

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

- a) *Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise*
- b) *Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise*
- c) *Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product*

The general format for preparing the above case studies are furnished below

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

Name of the Unit: Integrated Farming System (Poultry + Fisheries + Goatry + Dairy + Vegetable + Crop + Vermi + Azola)

Situation Analysis: **Mr Ashfaq Khan** S/o Navijan Khan is a progressive farmer belong to Village Nayagaon, Block- Jungle Kaudiya, District- Gorakhpur, Uttar Pradesh, His aged 50 years old and qualification has Post Graduation. The Village Nayagaon located in 28 km away from District Headquarter and 8 km from MGKVK Chaukmafi.

Plan, implement, support and linkage with KVK: He has 05 Acre Land and a pakka house he adopted traditional crop rotation Paddy – Wheat. In 2019 Mr Khan contact to Animal Scientist of Mahayogi Gorakhnath Krishi Vigyan Kendra, and participated in training organized on Integrated Farming system by MGKVK. After that of he created awareness to start Integrated Farming System as enterprise in the guidance of Animal Scientist. The area is situated near his residence.

Output: Sri Khan starting integrated farming system after achieving technical knowledge. He has 3 fish ponds area 2 bigha and 0.01 acre as a nursery pond, 100 Deshi & 1500 broiler, 35 Goat, 2 milking cow, 0.5 acre for horticultural crop, 0.5 acre for fodder crop and 3 acre area under crop production throughout the Year, 1 Motorcycle, 1 car, 1 Diesel Pumping set, one solar pump and 1 Electric Tube well Etc.

Outcome: Income from different component of Integrated Farming System is up to Rs 7.00 lakh/annum annually. His socio-economic status is recognized as a Progressive Farmers.

Fish production:	160000.00
Poultry Production	120000.00
Goatery:	45000.00
Dairy:	70000.00
Vegetable:	60000.00
Crop:	150000.00
Total:	705000.00

Impact: Integrated farming system made better utilization of resources, substantially with proper nutrition and feeding, diseases control and management, provides more profit. Sri. Khan income increased more than two time s which improved his livelihood and its example for others farmers to adopt this practice. Farmers are impressed and adopt integrated farming system after viewing the result demonstration of Integrated Fish Farming.



Name of the Unit: Crop livestock based integrated farming system: A case study of progressive farmer

Introduction: Mr. Vishnu Pratap Singh Vill.- Malour, Post- Pali, Block- Pali, District- Gorakhpur, size of land holding 6 Hectare. His aged 72 years old and qualification has Graduation. The Village Malour located in 25 km away from District Headquarter and 18 km from MGKVK Chaukmafi. Presently he is a role model for farmers to get additional income by seed production. His income ranged from 13 -15 lakhs annually from Livestock and rice-wheat-cropping system. He got several awards by Govt. department/NGOs/Private organization at District, state and national level. He is also running a Farmers Producer Company.

Plan, implement, support and linkage with MGKVK: Mr. Singh came in contact with the Animal Scientists of Mahayogi Gorakhnath Krishi Vigyan Kendra and showed his keen interest in seed production of Kalanamak and small-scale dairy farming. By taking the technical knowledge from KVK scientists. He started seed production from 13 acre, dairy with 2 milking cow (now 8), 0.5 acre area under horticultural crops, 0.5 acre fodder and 01 acre area under oilseed and pulses. Now he is earning up to Rs. 15 lakh/annum by selling seed and milk. He is also established backyard poultry farming.

Output: Total annual cost of seed and production =Rs.3.05 lakh

Total annual income from seed and grain = 10.49 lakh

Total annual income from dairy farm = 0.80 lakh

Outcome-Annually profitable income:

Total annual profitable income = Rs. 3.05 lakh + 10.49 lakh + 0.80 lakh = Rs. 14.34 lakh /year

Outcome: After getting good return from seed and livestock, he added in farming system. In this way he got more profit and their socio-economic status are increasing among the farmers. These enterprises are not only the good source of good income but also generating the employment to the farmers.

Impact: Mr. Vishnu Pratap Singh is one of the progressive and learned farmers to others with regards to popularization of Kalanamak seed production. This technology helps him for livelihood, empowerment. Now this technology is adopted by farmers by seeing and believing in nearby villages.



Name of the Unit: Poultry cum crop production system: A good source of income and employment

Introduction: Mr. Manoj Kumar Singh Vill.- Pachgawan, Post- Badhya chauk, Block- Jungle Kaudiya, District- Gorakhpur, size of land holding 2 Hectare. His aged 35 years old and qualification has Graduation. The Village Pachgawa located in 30 km away from District Headquarter and 5 km from MGKVK Chaukmafi. His income ranged from 1.5 -2.0 lakhs annually from rice-wheat –cropping system and was not sufficient for their 08 members family needs.

Plan, implement, support and linkage with MGKVK: In year 2018 he participated in trainings organized on Scientific poultry farming by Mahayogi Gorakhnath Krishi Vigyan Kendra, Gorakhpur (UP). After that of he created awareness to start lard scale poultry farming as an enterprise and in guidance of KVK Animal Scientist he established 1500 capacity broiler and 1000 Desi (Kadaknath, Turkey, Banraja and Aseel) well developed poultry farm and 4.5 acre area under crop production. Now he is earning up to Rs. 8.50 lakh/annum by selling poultry and crop production (Paddy Wheat). Poultry farming integrated along with crop production made better utilization of resources, substantially with proper nutrition, diseases control and management provides more profitable income.

Output: Total annual cost of 11700 birds (1300 birds/batch of 9 batch/year) =Rs.15.3 lakh
 Total annual income from poultry farm = 3.70 lakh
 Total annual cost of 3000 Desi birds (1000 birds/batch of 3 batch/year) = 4.50 lakh
 Total annual income from Desi poultry farm = 1.65 lakh
 Total annual cost of crop production in one 4.5 acre/year) =Rs.1.00 lakh
 Total annual income from paddy/wheat = 3.10 lakh

Outcome-Annually profitable income:

Total annual income from broiler poultry farm=Rs. 3.70 lakh

Total annual income from Desi poultry =Rs. 1.65 lakh

Total annual profitable income = Rs. 3.70 lakh +1.65 lakh + 3.10 lakh = Rs. 8.45 lakh /year

Outcome: After getting good return from poultry, he added in farming system. In this way he got more profit and their socio-economic status are increasing among the farmers. These enterprises are not only the good source of good income but also generating the employment to the farmers.

Impact: Mr. Manoj Kumar is becoming one of the progressive and learned farmers to others with regards to popularization of Desi and Broiler farming. This technology helps him for livelihood, empowerment. Now this technology is adopted by farmers by seeing and believing in nearby villages.



Surabhi Beej Producer Company: A way toward success with group approach

Introduction:- Surabhi Beej Producer Company Limited incorporated on 29th October 2015 under the Companies Act, 2013 and the company is limited by shares of the 800 farmers of Campierganj & Jungle Kaudiya block of Goakhpur District.

Plan, Implement, Support & Linkage with MKVK:- MGKVK Gorakhpur tries to make the farmers of Surabhi Beej Producer Company Limited aware regarding scientific method of seed production of Cereals, Custom hiring Centre scheme of UP Govt., Cultivation of Turmeric and Production of bio fertilizer etc. That starts from land preparation to harvesting. The Scientist of MGKVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of chemical fertilizer with high yielding varieties of Paddy, Wheat, Groundnut, Mustard etc. & vegetable crops with line showing techniques through various FLD, OFT, Trainings and Advisories.

Output:- Income from different component of Seed production, crop cultivation & Input supply etc. of Surabhi Beej Producer Company Limited are given as follow.

S. No.	Particular (Items sell by Surabhi Beej Producer Company Limited)	Amount (Kg.)	Rate (Rs.)	Total Turnover (Rs.)
1.	Paddy (Seed Production)	20000	40	8,00,000.00
2.	Wheat (Seed Production)	24000	35	8,40,000.00
3.	Groundnut (Seed Production)	8000	80	6,40,000.00
4.	Wheat (Grain sell to flour mill)	100000	18	18,00,000.00
5.	Chemical Fertilizer (Urea, DAP, SSP & NPK)	2100 (bag)	-	12,60,000.00
6.	Custom Hiring Centre (Sowing of Wheat by Happy Seeder + Seed drill)	200 (acre)	1000	2,00,000.00
7.	Bio-fertilizer (Vermicompost)	2000	20	4,0000.00
8.	Turmeric Powder	500	160	8,0000.00
9.	Vegetables (Potato+ Onion+ Garlic+ Bottle gourd+ Bitter gourd etc.)	10000	20 (Average)	2,00,000.00
Total				58,60,000.00

Outcome:- After getting good return from Seed Production, Surabhi Beej Producer Company Limited added Production and marketing of Turmeric powder & bio fertilizer too. These enterprises are not only the good source of good income but also generating the employment to the farmers.

Impact:- The total turnover of Surabhi Beej Producer Company is Rs. Fifty Eight Lakhs Sixty Thousand only (58, 60,000.00). In this way the Company got more profit and improving the socio-economic status of the shareholder/farmers. Recently, the company has establish cold storage

facility with the help of DST and also trying to establishment of Seed processing unit to boost up in the area of Seed production.



D.2 . Publications (Print & Electronic media)

S. No	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefited
01	Books			
02	Technical bulletins			
03	Technology Inventory			
04	CDs			
05	DVDs			
06	Video films			
07	Audio CDs			
08	Others if any (please specify)			

E. Technology Products provided

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds		Quintal		
02	Planting materials		Numbers		
03	Livestock		Numbers		
04	Poultry birds		Numbers		
05	Bio-products		Quintals		
06	Others pl. specify				

F. Technology services provided

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	
02	Plant diagnostics	
03	Details about the services to line Departments	
04	Others if any (please specify)	

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:

Number of Directorates of Extension:

A. Details on Directors of Extension

S. No	Name of the SAU	Name of the Director of Extension	Number of KVKs for which technological backstopping is provided					
			SAU/CAU	DU	ICAR	NGO	SDA	Others (pl. specify)

B. Workshops / meetings organized

S. No.	Details of workshop/meeting conducted	No. of KVKs participated

C. Visits made by DE / Officials in the Directorate to KVKs

S. No.	Particulars	Number of visits
01	SAC meetings	
02	Field days	
03	Workshops / seminars	
04	Technology week	
05	Training programmes	
06	Others pl. specify	

D. Overseeing of KVKs activities

S. No.	Particulars	Number of fields visited	Major observations / remarks	Major suggestions given
01	On Farm Trials			
02	Front Line Demonstration			
03	Others pl. specify			

E. Publication on Technology inventory

S. No.	Particulars	Number
01	Directorates published the technological inventory	
02	Directorates constantly updating the technological inventory	

F. Technological Products provided to KVKs

S. No.	Major technologies provided	Number of KVKs
01	Seeds	
02	Planting materials	
03	Bio-products	
04	Livestock breed	
05	Livestock products	
06	Poultry breed	
07	Poultry products	
08	Others pl. specify	

25	Harvesting Machine Operator	200							
26	Hatchery (Fishery) Production Worker	200							
27	Layer Farm Worker	200							
28	Mango Grower	200							
29	Medicinal Plants Cultivator	200							
30	Micro Irrigation Technician	200							
31	Mushroom Grower	200							
32	Nursery Worker	200							
33	Organic Grower	200							
34	Ornamental Fish Technician	200							
35	Packhouse Worker	200							
36	Quality Seed Grower	200							
37	Seed Processing Plant Technician	200							
38	Sericulturist	200							
39	Service and Maintenance Technician-Farm Machinery	205							
40	Shrimp Farmer	240							
41	Small poultry farmer	240							
42	Soil & Water Testing Lab Analyst	240							
43	Soil & Water Testing Lab Assistant	200							
44	Supply Chain Field Assistant	200							
45	Tea Plantation Worker	200							
46	Tractor Operator	200							
47	Vermicompost Producer	200							
TOTAL									

2) Achievements under Crop Residue Management (CRM) Project by KVKs

a) CRM Machinery procured by KVKs

S.No.	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	
2	Reversible M.B. Plough	
3	Paddy Straw Chopper/ Shredder / Mulcher	
4	Zero Till Drill	
5	Rotavator	
6	Tractor	
Total		

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized		
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level		
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.		
3.	Demonstration conducted (ha)		
4.	Training Programmes conducted		
5.	Exposure visits organized		
6.	Field /harvest days organized		
Total			

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas)

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

5) Achievements of SCSP KVKs

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						

6) Achievement under IFS KVKs

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

7) Achievements under Mera Gaon Mera Gaurav (MGMG) project

No. of institutes/ universities involved	Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)

8) Achievements of Farmers FIRST programme

NRM Module		Crop Module		Horticulture Module		Livestock & Poultry			IFS Model		Extension Activities	
Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	No of Animals	Demon.	No Farm Families	No. of prog	Farmers

9) Activities performed under NARI programme

Activities	Number of activity	No. of farmers/ beneficiaries
OFTs - Nutritional Garden (activity in no. of Unit)		
OFTs - Bio-fortified Crops (activity in no. of Unit)		
OFTs - Value addition (activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs - Nutritional Garden (activity in no. of Unit)		
FLDs - Bio-fortified Crops (activity in no. of Unit)		
FLDs - Value addition (activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		
Grand Total		

10) 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					
Water					
Plant					
Manure					
Total					

11) 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

12) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						
Fruits and vegetable processing units, Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						
Duck farming						

Bee keeping						
Others if any						

13) Achievements under Rainwater Harvesting Structures

Sr. No.	Activities	Number
1	Training programmes	
2	Demonstration	
3	Plant materials produced	
4	Visit by farmers	
5	Visit by officials	

14) Achievements under Pulses Seed Hub programme

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed (F/S, C/S)
			Target (q)	Area sown (ha)	Actual Production (q)	
Kharif	Black gram					
	Green Gram					
	Pigeon pea					
Total (Kharif)						
Rabi	Chick pea					
	Field pea					
	Lentil					

Total (Rabi)						
Summer	Black gram					
Total (Summer)						
Grand Total						

15) NEMA (New Extension Methodologies and Approaches)

Name of Crop with variety	No. of districts	No. of Villages selected	No. of Blocks	No. of household selected	
				Adapter household	Non adapter household

16) Achievements under CSISA (Cereal System Initiative for South Asia) project

S.No.	Name of Programme	Number/quantity
1	Plantation by paddy uppulling	
2	DSR	
3	Laser leveler	
4	Training	
5	Kisan Mela	
6	Seminar	
7	Seed production (q)	

17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations)

Name of fodder	Variety	Production (q)	Training courses	No. of farmers benefitted

18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		
4	Door to door awareness		
5	Awareness campaign		
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing painting slogans		
10	Composting		
11	Other		
12			
13			

19) Achievements under Aspirational District Scheme

Name of programme	Number
Training	
Session No.	
No. of farmers	

Officers/staff involved	
Seed & Plant Distribution	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programme organised	
No. of farmers	
Officers/staff involved	
Animal husbandra & fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixure	
No. of farmers	
Officers/staff involved	

XVI Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1	Smriti Chinh by ICAR-RCER, Patna	Ramnewas Maurya	2020	22-02-2020
2	Organic farming by Agri. Dept. Gorakhpur	Ashfaqe Khan	2020	23-12-2020

Note: Please also mention name of farmer who received the award.

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