

KRISHI VIGYAN KENDRA AMBEDKAR NAGAR

PROFORMA FOR PREPARATION OF ANNUAL REPORT (April-2019-Feb-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	86	2037	265	2302
Rural youths	17	451	145	596
Extension functionaries	9	289	1	290
Sponsored Training	04	191	09	200
Vocational Training	04	114	06	120
Total	120	3082	426	3508

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	25	20	
Pulses	75	30	
Cereals	70	28	
Vegetables	31	1.21	
Other crops	25	2.0	
Hybrid crops			
Total	321	125.33	
Livestock & Fisheries	71		3units&287animals
Other enterprises	10		10 units
Total	81	-	13units &287 animals
Grand Total	402	125.33	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	9	47	47
Livestock	3	13	13
Various enterprises			
Total	12	60	60
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	12	60	60

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	621	51727
Other extension activities	104	
Total	725	51727

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
	Text only	12	4	5		2		23
	Voice only							
	Voice & Text both							
	Total Messages	12	4	5		2		23
	Total farmers Benefitted							122823

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	54.26	1,49,400
Planting material (No.)	25903	20,000
Bio-Products (kg)		
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	514	
Water		
Plant		
Total	514	

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	3
2	Conferences	4
3	Meetings	11
4	Trainings for KVK officials	5
5	Visits of KVK officials	2
6	Book published	1
7	Training Manual	2

8	Book chapters	
9	Research papers	6
10	Lead papers	-
11	Seminar papers	5
12	Extension folder	2
13	Proceedings	1
14	Award & recognition	3
15	Ongoing research projects	-

DETAIL REPORT OF APR-2018-19

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra Village-Panti Post-Manshapur Distt.-Ambedkarnagar-224168	Office 05271-216664 Mo- 9918622745	FAX	pckvkambedkarnagar@gmail.com	Ambedkarnagar.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension, NDUAT Kumarganj, Faizabad-224229 (U.P.)	05270-262821	05270-262821	denduat@gmail.com	www.nduat.ac.in www.nduat.co.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Ram Jeet		9918622745	pckvkambedkarnagar@gmail.com

1.4. Year of sanction: May, 2010, F.No. ZPD/5[80]/2010

1.5. Staff Position (as on 26th Feb, 2020)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discip-line	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent / Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age (yr)	Email Id
1	Programme Coordinator	Dr.Ram Jeet	Senior Scientist/Head	Gentics and Plant Breeding	37400-67000	41720	1st July.2018	Permanent	SC	9918622745	41	pckvkambekarnagar@gmail.com
2	Subject Matter Specialist	Dr. K.K.Maurya	Scientist, Agril Engineering	Agriculture Engineering	37400-67000	64340	1st Sep.2013	Permanent	OBC	9838317698	56	Kkumar_nduat@rediffmail.com
3	Subject Matter Specialist	Dr. Vinay Kumar	Scientist Agro forestry	Agro-Forestry	37400-67000	53820	23rd Nov. 2012	Permanent	OBC	9415121947	49	Vinaykm945@gmail.com
4	Subject Matter Specialist	Vacant	Scientist Agronomy	Agronomy								
5	Subject Matter Specialist	Dr. Vidya Sagar	Scientist Animal Science	Animal Science	37400-67000	47900	1st Aug. 2012	Permanent	OBC	9455053228	44	vsnduat72@gmail.com
6	Subject Matter Specialist	Dr. Pradeep Kumar	Scientist Plant Pathology	Plant Pathology	15600-39100	27560	1st July, 2012	Permanent	OBC	9415728438	52	pkumarcdmr@gmail.com
7	Subject Matter Specialist	Dr J.D. Verma	Agriculture Extension	Agriculture Extension	15600-39100	26250	27 th July2017	Permanent	OBC	9450768050	58	
8	Programme Assistant	Sri. Ram Kumar	Programme Assistant	Horticulture	9300-34800	17050	22April2017	Permanent	SC	8189061509	56	
9	Computer Programmer	Sri Rajesh Kumar	Programme Assistant/Computer	Computer Science	9300-34800	62200	17 Feb 2005	Permanent	OBC	9415159179	40	rajeshmailbag@gmail.com
10	Farm Manager	Sri Rajendra Prasad	Programme Assistance/ Farm Manager	Agriculture Botany	9300-34800	56900	1st Jan. 2012	Permanent	OBC	9450764632	27	
11	Accountant / Superintendent	Sri. Suresh Pratap Singh	Accountant / Superintendent		9300-34800	50500	17th Mar. 2016	Permanent	GN	9454471922	38	sureshosnduat@gmail.com
12	Stenographer	Shri Gangesh Giri	Stenographer		5200-20200	25500	2 sept. 2019	Permanent	OBC	6306732954	21	gangeshgiri1012@gmail.com
13	Driver	Sri. Dinesh	Driver		5200-	9520	22nd Aug.	Permanent	OBC	9450933333	44	

		Sharma			20200		2012					
14	Driver	Sandeep	Driver	-	5200-20200	19900	6 Sept. 2019	Permanent	OBC	9415300820	27	
15	Supporting staff	Vacant	-	-	-	-	-		-	-	-	
16	Supporting staff	Sri. Tanveer Khan	Supporting staff		5200-20200	21500	25th Feb. 2016	Permanent	GN	8604721062	24	tktanveerkhan1993@gmail.com

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	0.80
2.	Under Demonstration Units	0.20
3.	Under Crops	2.50
4.	Orchard/Agro-forestry	0.02
5.	Others (specify)	14.613
	Total	18.133

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 100%	Sept13	550	82.50	2011		completed
2.	Farmers Hostel	ICAR 100%		305	45.75	2011		completed
3.	Staff Quarters (6)	ICAR 100%	Dec.,2014	400	60.00	2011		completed
4.	Demonstration Units							Budget not allotted
5.	Fencing							Budget not allotted
6.	Rain Water harvesting system							Budget not allotted
7.	Threshing floor							Budget not allotted
8.	Farm go down							Budget not allotted

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2011	426000	200Hrs.	Good
Jeep	2011	476596	93,249 Kms.	Good

C) Equipments & AV aids-

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Disc harrow	2011	21400	Good
Cultivator	2011.	16850	Good
Disc plough	2011	18000	Good
Leveller	2011	6255	Good
PTO Pulley	2011	3200	Good

1.8. A). Details SAC meeting* conducted in the year- No

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

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1.	Agriculture
2.	Agriculture + Horticulture
3.	Agriculture + Horticulture + Animal Husbandry
4.	Agriculture + Vegetable + Fisheries
5.	Agriculture + Animal Husbandry

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

S. No	Agro-climatic Zone	Characteristics
1.	Eastern plain zone (EPZ)	Alluvial soil, Average rain fall of 899.85 mm
2.	AES- 1	Irrigated, Sandy Loam
3.	AES – II	Upland, at the both side of Tamasa river
4.	AES –III	Rain fed sandy loam soil
5.	AES – IV	Irrigated clay loam
6.	AES – V	Clay, Water logged condition

2.3 Soil types

S. No	Soil type	Characteristics	Area in ha
1.	Sandy soil	Upland soil, Poor in soil fertility, deepwater table	55%
2.	Sandy loam	Major area under irrigation,	18%

		source of irrigation canal	
3.	Clay loam & alluvial	Low land, shallow water table, some portion sodic soil	27%

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Paddy	1,17,976	3,40,599	28.87
2.	Maize	4,78	500	10.46
3.	Sorghum	894	949	10.62
4.	Bajra	8	7	8.75
5.	Urd	75	67	8.93
6.	Moong	30	25	8.33
7.	Pigeon pea	1,884	1451	7.70
8.	Til	10	3	3.00
(B) Rabi				
1.	Wheat	118419	407835	34.44
2.	Pea	4002	1016	2.54
3.	Mustard	4,099	1937	4.73
4.	Chick pea	1,337	495	3.70
5.	Lentil	306	132	4.31
6.	Barley	450	1,303	28.96
7.	Linseed	2	1	5

2.5. Weather data

Month	Rainfall (mm)	Av. Temperature ° C		Av. Relative Humidity (%)
		Maximum	Minimum	
July-September, 2018	756.50	43	31	62

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

Category	Population	Production	Productivity
Cattle			
Crossbred	20193	-	-
Indigenous	169324	-	-
Buffalo	268862	-	-
Sheep			
Crossbred	52	-	-
Indigenous	13705	-	-
Goats	138463	-	-
Pigs	Pigs		
Crossbred	1048	-	-
Indigenous	10664	-	-
Rabbits	-		
Poultry			
Hens			

<i>Desi</i>	144326	-	-
<i>Improved</i>	141712	-	-
Ducks	18770	-	-
Turkey and others	20193	-	-

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

2.7 Details of Operational area / Villages (2019-20)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Akbarpur	Akbarpur	Sangrampur	Rice, wheat, pulses, vegetables, pipermin, mango, banana, cattle and buffaloes	Low yield of crops due to existing cultivars and traditional methods of cultivation	Enhancing production and productivity through variety and technology, improved feeding & manage mental practices of animals for better production s
2.	Bhiti	Bhiti	Hiri Pakaria	Rice, wheat, pulses, oilseeds, cattle, buffaloes and goats	Low yield of crops due to poor crop and livestock management	HYVs of pea, Rice, wheat, pulses, oilseeds with improved package of practices and improved feeding & management practices better animals production
3.	Bevana	Bevana	Manshpur	Rice, wheat, pulses, oilseeds, sugarcane, vegetables, pea, tomato. Chilli, ladyfinger, crossbred cows buffalo, , goats , sheep and poultry	Low yield of crops due to use of old varieties poor management practices of crops and low animals, milk productivity due imbalance feeding and management	Introduction of HYVs of pea, Rice, wheat, pulses, oilseeds with improved package of practices , improved feeding & management practices of animals for better production s

4.	Baskhari	Baskhari	Harriaya	Pigeon pea, vegetables, pea, tomato. Chilli, lady finger, crossbred cows, buffalo, goats, poultry etc.	Low yield of crops due to existing cultivars and traditional methods of cultivation and low productivity of animals due to poor management	Introduction HYVs of pea, Rice, wheat, pulses, oilseeds with improved package of practices , improved breeds, feeding & management practices of animals for better production
5.	Tanda	Tanda	Khashpur	Pigeon pea, vegetables , pea, tomato. Chilli, ladyfinger, crossbred cows, buffalo, goats, poultry etc.	Low yield of crops due to existing cultivars and traditional methods of cultivation and low productivity of animals due to poor management	Introduction HYVs of pea, Rice, wheat, pulses, oilseeds with improved package of practices , improved ,breeds, feeding & management practices of animals for better production

2.8 Priority / thrust areas

Crop/Enterprise	Thrust area
Cereal crops	Management of rice – wheat cropping pattern
Organic crop production	Promotion of organic farming
Diversify crop production	Diversification of existing cropping system
RCT	Promotion of resources conservation technologies
Seed production	Promotion of seed production (seed village concept among farmers)
Enhancement of milk production	Enhancement in milk yield of cattle and buffalo
Horticultural Crop production	Promotion of fruit crops (Aonla, Mango, Banana, Agro- forestry)
Entrepreneurial development	Entrepreneurship development in dairy, poultry, goatary, fish bee keeping, floriculture, vegetable and mushroom production
Post harvest technology	Promotion of agro processing technologies for value addition of agricultural products
Soil water conservation	Rain water harvesting and soil health management
Capacity building	Promotion and formation of SSG, Mahila mandal, Farm Science club etc.
Disaster management	Disaster management / unseasonal rainfall/hail storm/cold waves etc.
Enhance the income of farmers	Enhance the income of farmers per unit area by intercropping with crops, integrated farming with crops with agro forestry , fish cum poultry farming, dairy cum Javik farming.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2019-20

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
12	12	60	60	100	125.33	200	402

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	80	83	2000	2202	600	621	50,000	51,727
Rural youth	15	21	500	716				
Ext.. Functionaries	8	9	200	290				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
100	54.26	270	20000	25930	50

3-B: Intervention/ Programmes for the doubling the farmers income – during 2019-20**Demonstrations****1-Intercropping-Banana+Vegetable pea**

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent Yield(q/ha)	Cost of cultivation(Rs/ha)*	Gross Income(Rs/ha.)	Net income(Rs/ha.)	B.C: Ratio	Remark if any
Intercropping System (Kharif) – Banana-Variety-G-9	814	-	814	135000	691900	5,56,900	1:4.13	

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)*	Gross Income(Rs/ha.)	Net income(Rs/ha)	B.C: Ratio	Remark if any
Intercropping System(Kharif-Rabi)-Banana +Veg.Pea Azad P-3	817	35.20	852.2	Banana-Rs.1,25,000+Veg.Pea-Rs.25200 =1,50,200	Banana-694450+Veg.Pea-63360 =757810	607610	1:5.05	

Expected Sale price- Banana- Rs. 850/Q., Veg. pea-Rs. 1800/Q

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

2- Intercropping-Sugarcane +Chick pea

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Gross Income(Rs/ha.)	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System (Kharif-Rabi-Zaid) –Suger cane-COSH-1235	760	-	760	60500	2,35,600	175100	1:3.89	

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)*	Gross Income(Rs/ha.)	Net income(Rs/ha)	B.C: Ratio	Remark if any
Mono Cropping System (Rabi) – Sugercane-COSH-235+ Chick pea – Zaki-9218	762	22.2	782.20	Sugarcane-57500+Chickpea-23620=81120	Sugarcane-236220+ Chickpea-102564=338784	257664	1:4.18	

Expected Sale price/ MSP - Sugarcane - Rs. 310/Q., Chick pea -Rs. 4620/Q.

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

I. B. TECHNOLOGY REFINEMENT

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	Pumpkin	Varietal evaluation of pumpkin	5	5
	Chilli	Varietal evaluation of Chilli	5	5
	Brinjal	Varietal evaluation of Brinjal	5	5
Integrated Pest Management	Brinjal	Evaluation of Safer insecticide against shoot & fruit borer in Brinjal	5	5
	Chick Pea	Evaluation of safer insecticide against pod borer management in Chick pea	5	5
Integrated Disease Management				
Integrated Crop Management				
Small Scale Income Generation Enterprises				
Weed Management	Paddy	Assessment of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of paddy.	5	5
	Wheat	Assessment of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of wheat.	5	5
Resource Conservation Technology	Paddy	Assessment of Effect of seed rate and yield and income of paddy sown by drum seeder	6	6
Farm Machineries				
	Wheat	Assessment of wheat productivity and profitability through Zero Till cum Ferti Drill machine.	6	6
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				

Storage Technique				
Others (Pl. specify)				
Total			47	47

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	Barbari Goats	Assessment of minerals supplementation and de-worming in Barbari goat for improvements of fertility.	5	5
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management	Holstein Friesian cattle	Assessment of protein and minerals supplementation for improved milk production and conception in dairy cows & to reduce problems of prolapsed of uterus during last stage of pregnancy	5	5
Production and Management	Poultry	To assess the performance of Back Yard Poultry Farming in traditional system of farming.	3	3
Others (Pl. specify)				
Total			13	13

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Varietal Evaluation	Pumpkin	Varietal evaluation of pumpkin	5	5
	Chilli	Varietal evaluation of Chilli	5	5
	Brinjal	Varietal evaluation of Brinjal	5	5

Integrated Pest Management	Chick pea	Evaluation of safer insecticide against pod borer management in Chick pea	5	5
	Brinjal	Evaluation of Safer insecticide against shoot & fruit borer in Brinjal	5	5
Weed Management	Paddy	Assessment of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of paddy.	5	5
	Wheat	Assessment of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of wheat.	5	5
Farm Machineries	Paddy	Assessment of Effect of seed rate and yield and income of paddy sown by drum seeder	6	6
	Wheat	Assessment of wheat productivity and profitability through Zero Till cum Ferti Drill machine.	6	6
Disease Management	Barbari Goats	Assessment of minerals supplementation and de-worming in Barbari goat for improvements of fertility.	5	5
Nutrition Management	Holstein Friesian cattle	Assessment of protein and minerals supplementation for improved milk production and to reduce problems of prolapsed of uterus during last stage of pregnancy in Holstein Friesian cattle	5	5
Production and Management	Poultry	To assess the performance of Back Yard Poultry Farming in traditional system of farming.	3	3

Note: Suppose IPM in paddy is the technology assessed by 10 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with $10 \times 5 = 50$ trials and No. of KVKs will be 10. 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 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)

VARIETAL EVALUATION

OFT-1

Problem definition: Low yield of Pumpkin due to old local varieties.

Technology Assessed or Refined: Assessment of different Varieties of Pumpkin.

KVK Ambedkar Nagar Uttar Pradesh took up On -Farm trial on assessment of different Varieties of Pumpkin was conducted on five farmers field in 0.02 ha. Area. Highest yield 340.20 q./ha and net return Rs. 120450 were observed in T1 Kashi Amrit variety of Pumpkin. There was 25.85 per cent in increase in yield over farmers' practice .

Table: Performance of yield in Pumpkin varieties

Technology Option	No.of trials	Yield (q./ha)	% increase	Net Returns (Rs. in lakh./ha)	B:C
FP- Local variety	05	270.10	-	95370	1:8.50
T1- Kashi Amrit variety of Pumpkin		340.20	25.85	120450	1:9.06
T2- VNR-P-6 variety of Pumpkin		310.00	14.80	110350	1:8.70

Result: Highest yield 340.20 q./ha and net return Rs. 120450 were observed in T1 Kashi Amrit variety of Pumpkin. There was 25.85 per cent in increase in yield over farmers practice of T1 variety Kashi Amrit variety of Pumpkin.

OFT-2

Problem definition: Low yield of Brinjal due to old local varieties.

Technology Assessed or Refined : Varietal evaluation of Brinjal.

KVK Ambedkar Nagar Uttar Pradesh took up On -Farm trial on varietal evaluation of brinjal was conducted on five farmers field in 0.20 ha. area. Highest yield 286.90 /ha was observed in T1 Hybrid no.-143 variety of brinjal. There was 18.45 per cent in increase in yield over farmers practice .

Table: Performance of yield in brinjal

Technology Option	No. of trials	Yield (q./ha)	% increase in yield	Net Returns (Rs./ha)	B:C
FP- Local variety	05	242.20	-	94800	1:4.60
T1- Hybrid no.-143 variety of brinjal		286.90	18.45	119890	1:9.67
T2- Navkiran variety of brinjal		256.80	6.02	104000	1:9.26

Result: Highest yield 286.90 /ha was observed in T1 Hybrid no.-143 variety of brinjal. There was 18.45 per cent in increase in yield over farmers practice of T1 variety Hybrid no.-143.

OFT-3

Problem definition: Low yield of Chilli due to old local varieties.

Technology Assessed or Refined: Assessment of different Varieties of Chilli.

KVK Ambedkar Nagar Uttar Pradesh took up On -Farm trial on assessment of different Varieties of Chilli was conducted on five farmers field in 0.05 ha. Area. Highest yield 63.90 q./ha and net return Rs. 91700 were observed in T1 Gomati variety of Chilli. There was 32.57 per cent in increase in yield over farmers practice

Table: Performance of yield in Chilli varieties

Technology Option	No.of trials	Yield (q./ha)	% increase	Net Returns (Rs. in lakh./ha)	B:C
FP- Local variety	05	48.20	-	60200	1:2.66
T1- Gomati variety of Chilli		63.90	32.57	91700	1:3.54
T2- US-17 variety of Chilli		62.70	30.08	89700	1:3.51

Result: Highest yield 63.90 q./ha and net return Rs. 91700 were observed in T1 Gomati variety of Chilli. There was 32.57 per cent in increase in yield over farmer's practice of T1 variety Gomati variety of Chilli.

WEED MANAGEMENT

OFT-4

Problem definition: Heavy infestation of weed due to improper use of herbicide in paddy crops.

Technology Assessed or Refined -Assessment of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of paddy.

KVK Ambedkar Nagar Uttar Pradesh took up on-farm trial on of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of paddy. Spray of Bispyribac sodium@ 250ml/ha. + Almix @ 20g/ha. at 30 days of transplanting showed less no. of weeds and 16.22 per cent higher grain yield than farmer practice.

Table: Effect of Bispyribac sodium + Almix herbicide on weed control & yield of paddy.

Technology Option	No.of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T1- Spray of Butachlor @ 3lit/ha. within 3days of transplanting (Farmer practice)	05	48.7	--	38635	2.05
T2-- Spray of Bispyribac sodium@ 250ml/ha. + Almix @ 20g/ha. at 30 days of transplanting.		56.6	16.22	50480	2.36

Result: Spray of Bispyribac sodium@ 250ml/ha. + Almix @ 20g/ha. At 30 days of transplanting showed less no. of weeds and 16.22 per cent higher grain yield than farmer practice i.e. spray of Butachlor @ 3lit/ha. within 3 days of transplanting.

OFT-5

Problem definition: Infestation of weed due to improper use of herbicide in wheat crops.

Technology assessed or Refined (as the case may be): Assessment of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of wheat.

KVK Ambedkar Nagar Uttar Pradesh took up on-farm trial on of post emergence herbicides (PE) for control of grasses & broad leaf weeds for higher grain yield of wheat. The results indicated Spray of Sulpho sulphuron @ 25g a.i./ha+ metsulphuron methyl @ 4ga.i./ha at 30 to 35 days of sowing showed less no. of weeds and 33.67 per cent higher grain yield than farmer practice .

Table: Effect of Sulpho- sulphuron+ met-sulphuron methyl herbicide on weed control & yield of wheat.

Technology Option	No.of trials	Yield (qt./ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T1- Spray of Isoproturon @ 1kg a.i./ha. after 25 days of sowing (Farmer practice)	04	39.8	--	38002	2.08

T2-- Spray of Sulphosulphuron @ 25ga.i./ha+ metsulphuron methyl @ 4ga.i./ha at 30 to 35 days of sowing.		53.20	33.67	61428	2.68
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Result: Spray of Sulpho sulphuron @ 25g a.i./ha+ metsulphuron methyl @ 4ga.i./ha at 30 to 35 days of sowing showed less no. of weeds and 33.67 per cent higher grain yield than farmer practice i.e. Spray of isoproturon @ 1kg a.i./ha. after 25 days of sowing.

FARM MACHINERY

OFT-6

Problem definition: Lower productivity and profitability in Paddy cultivation

Technology Assessed or Refined: Assessment of paddy productivity through direct sowing by Drum Seeder.

The KVK Panti, Ambedkar Nagar conducted on-farm trial on Direct sowing of paddy-Variety NDR-3112 by drum seeder at different seed rates and found that 20 kg / ha seed rate .

Table Effect of seed rate on yield and income of paddy sown by drum seeder

Technology Option	No.of trials	Yield (t/ha)	% increased Yield	Net Returns (Rs./ha)	BC Ratio
Scattered transplanting (Farmers Practice)	6	42.37	-	29193.5	42.37
Direct seeding of germinated paddy sown by drum seeder @ 20 kg / ha seed rate (Recommended Practice)		49.24	16.21	43822.0	49.24

Result - Direct sowing of paddy by drum seeder at 20 kg / ha seed rate increased yield 13.21per cent.

OFT-7

Problem definition: Lower productivity and profitability in Wheat cultivation

Technology Assessed or Refined : Assessment of wheat productivity and profitability by using zero till seed cum ferti seed drill machine.

The KVK Panti, Ambedkar Nagar conducted on-farm trial on “wheat sowing by Zero Till cum Ferti Drill machine at depth of sowing 3 cm depth. Wheat sowing by Zero Till cum ferti Drill machine at 3 cm depth was suitable for maximum productivity and increased yield 8.18 per cent.

Table Effect of sowing depth on yield and income of wheat sown by Zero till cum ferti drill machine.

Technology Option	No.of trials	Yield (t/ha)	% increased Yield	Net Returns (Rs./ha)	BC Ratio
Scattered sowing(Farmers Practice)	6	47.33	-	51827.2	1:2.47
Sowing of wheat by Zero till cum ferti drill At sowing depth of 3cm		51.20	8.18	61688.0	1:2.90

Result- Wheat sowing by Zero Till cum ferti Drill machine at 3 cm depth was suitable for maximum productivity and increased yield 8.18 per cent.

PEST AND DISEASE MANAGEMENT

OFT-8

Problem definition: Low yield of Chick pea due to heavy infestation of pod borer insect.

Technology Assessed or Refined: Evaluation of safer insecticide against pod borer management in Chick pea.

KVK Ambedkar Nagar Uttar Pradesh took up on-farm trial on spray of insecticides to control of pod borer insect in chick pea. The results indicated that Foliar spray of insecticide Emamactin Benzoate 5SG@18g/l followed by Metalaxyl35WP@1g/lit. at pod formation stage performed the better control of pod borer in Chickpea crop with increase of 16.67 per cent yield .

Table: Effect of spray of insecticides to control of pod borer insect in chick pea

Technology Option	No. of trials	Incidence of pod borer (%)		Yield (q./ha)		% Increase in yield over farmer's practice
T1- Spray of Monocrotophos 36EC @ 1.5ml./lit.(Farmers Practice)	5	Trial	Check	Trial	Check	16.67
T2-- Foliar spray of insecticide Emamactin Benzoate 5SG@18g/l followed by Metalaxyl35WP@1g/lit. at pod formation stage (Recommended Practice)		Nil	14.29	24.00	20.57	

Result: Foliar spray of insecticide Emamactin Benzoate 5SG@18g/l followed by Metalaxyl35WP@1g/lit. at pod formation stage performed the better control of pod borer in Chickpea crop with increase of 16.67 per cent yield .

OFT-9

Problem definition: Low yield of Brinjal due to severe infection of shoot and fruit borer insects

Technology Assessed or Refined: Evaluation of Safer insecticide against control of shoot & fruit borer in Brinjal

KVK Ambedkar Nagar Uttar Pradesh took up on-farm trial on evaluation of safer insecticide against control of shoot & fruit borer in Brinjal. The results indicated that foliar spray of Emmactin Benzoate 5SG@18g/l. (w/v)/more effective to control of shoot & fruit borer in Brinjal.

Table Effect of insecticide against control of shoot & fruit borer in Brinjal

Technology Option	No. of trials	Insect infection (%)		Yield (q./ha)		% Increase in yield over farmer's practice
T1- Spray of Cypermethrin 5EC@ 2ml./lit.(Farmers Practice)	5	Trial	Check	Trial	Check	24.70
T2-- Spray of safer insecticide Emamactin benzoate 5 SG @18ml/l. (Recommended Practice)		5.42	24.16	283.74	227.52	

Result: Spray of safer insecticide Emamactin benzoate 5 SG @18ml/l more effective in term of less infestation of shoot & fruit borer insects resulted increase yield up to 24.70 per cent.

LIVE STOCK ENTERPRISES

OFT-10

Problem definition: High problem of poor and delayed conception of female Barbri goats

Technology Assessed or Refined: Assessment of minerals supplementation and de-worming in Barbari goat for improvements of fertility.

Minerals deficiency due to imbalance feeding and lead of internal parasites infection resulting poor and delayed conception 2-3 months afterkidding in Barbari goats. KVK Ambedkar Nagar conducted trial on Assessment of minerals supplementation and de-worming in goat for improvements of fertility .In recommended practice supplementation of minerals mixture @15 gm with 150 gm balance concentrate /day& 5ml. Albedazole de-wormer, resulting increased conception rate 80.00 percent within month.

Table :Effect of supplementation of minerals mixture and de-worming on conception rate in Barbari goats

Technology Option	No. of trials	No. of animals	No. of animals conceived within one month	Per cent conception
Only grazing to goats (Farmers practice)	5	5	2	40.00
Use minerals mixture @15 gm with 150 gm balance concentrate /day& 5ml. Albedazole de-wormer (Recommended practice)		5	5	100.00

Result: Supplementation of minerals mixture @15 gm with 150 gm balance concentrate /day& 5ml. Albedazole de- wormer, resulting increased conception rate 100.00 percent within month.

OFT-11

Problem definition: High disease incidence, high feed cost and required better management in Broiler poultry farming.

Technology Assessed or Refined: Assessment of performance of Back Yard Poultry Farming in traditional system of farming.

Broiler rearing is costly required well managed housing system, required hygienic condition along with costly industrial made feed and not fit for Back yard poultry system. KVK Ambedkar Nagar conducted trial on assessment of Croiler birds in Back Yard Poultry Farming in traditional system of farming. In back yard poultry farming system Croiler Poultry birds gain better body weight with locally available feed ingredients prepared feed.

Table : Performance of Back Yard Poultry Farming in traditional system of farming.

Technology Option	No. of trials/ Farmers	Av.Bod y weight gain in 45 days (Kg.)	Diseases incidence	Feed cost/ weight gain ratio per kg.	Gross cost(Feed +medicine)/ bird	Gross Return/B ird (Rs.)	BC Ratio
FP- Rear Broiler on Back yard poultry farming system along with costly industrial made feed.	3 (100Croiler poultry birds/ farmer)	2.10Kg.	Incidence of Gombhoro & Coccidiosis diseases	Rs. 79/Kg.	Rs.144.9	189	1:1.30
T-1 – Rear Croiler Back Yard Poultry Farming System with locally available feed ingredients prepared feed- by wheat grain, yellow maize, Rice bran, till cake, fishmeal Calcium grit etc.		2.34Kg.	Coccidiosis in very less extent	Rs.67/Kg.	Rs.156.78	327.6	1:2.1

Av. sale price of broiler birds Rs. 90/Kg. and Croiler birds Rs.140 / Kg.

Result - Croiler Poultry birds gain better body weight with locally available feed ingredients prepared feed with fewer incidences of infectious diseases and give more profit than broiler poultry birds.

OFT-12

Problem definition: Poor conception rate and milk yield &problem of prolapsed of uterus at last stage of pregnancy & due to protein and minerals deficiency in Holstein Friesian cows.

Technology Assessed or Refined: Assessment of protein and minerals supplementation for improved milk production and to reduce problems of prolapsed of uterus during last stage of pregnancy in Holstein Friesian cattle.

Minerals deficiency due to imbalance feeding and lead of internal parasites infection resulting poor conception rate and milk yield &problem of prolapsed of uterus at last stage of pregnancy & due to protein and minerals deficiency with 6 cross bred cows. KVK Ambedkar Nagar conducted trial on Assessment of minerals supplementation with balance feeding along green fodder to enhance the productivity and reduce the problems of prolapsed of uterus at last stage of pregnancy.

Table: Effect of supplementation of minerals mixture and de-worming on milk yield &problem of prolapsed of uterus in Holstein Friesian cross bred cows

Technology Option	No. of trials	No. of animals	Milk production (Lit./ Month)	% change in Yield	Parameter*- Problems of prolapsed of uterus during last	% change in Parameter	Net Income Rs. / Month	BC Ratio**
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					stage of pregnancy			
T1-(Farmers practice) Feeding of paddy/ wheat straw with limited green fodder and imbalance concentrate mixture.	5	5	840.00	---	In all animals among 5 problems have been in observed	-	11400	1:1.63
T2- (Recommended practice) T-1+ Balance feeding with concentrate mixture and 50gm. mineral mixture along green fodder with de-worming 1 st day and 60 th day.		5	1440.00	71.42	Only 1 animals among 5 animals, some extent problems have been in observed	80	21900	1:1.77

Result: In recommended practice supplementation of minerals mixture @50 gm./day with balance concentrate along green fodder and Albendazole de-wormer, resulting increased milk yield 71.42 percent within 3 month and reduced the problems prolapsed of uterus 80per cent.



On-Farm Farm Trail on Evaluation of Pumpkin variety-Kashi Amrit conducted by KVK Ambedkar Nagar in Year 2019-20



On-Farm Trail on Evaluation of Brinjal variety-Navkiran conducted by KVK Ambedkar Nagar in Year 2019-20



On-Farm Trail on Assessment of supplementation of minerals & de-worming on fertility in goats conducted by KVK Ambedkar Nagar in Year 2019-20



OFT on Assessment of different Varieties of Chilli-KVK Ambedkar Nagar in year 2019-20



OFT on Assessment of paddy productivity through direct sowing by Drum Seeder by KVK Ambedkar Nagar



OFT on Assessment of balance feeding with minerals supplementation and de-worming
Poor conception rate and milk yield in Holstein Friesian cows -KVK Amebkar Nagar



OFT on Evaluation of Safer insecticide against control of shoot & fruit borer
in Brinjal-KVK Amebkar Nagar



OFT on Assessment of Back yard poultry farming system with dual type poultry breeds
by KVK Ambedkar Nagar



OFT on Evaluation of safer insecticide against control of pod borer in Chick pea by KVK
Ambedkar Nagar

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2019-20 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.	Pigeon pea	RCT	Pigeon pea Sowing in raised bed	Demonstrations and farm advisory services	21	67	42

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

b. Details of FLDs implemented during **2019-20** (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	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Pigeon pea	VE	HYV-NA-1	Kharif-2019-20	10	10	6	19	25	
2.	Paddy	VE	HYV-NDR-3112	Kharif-2019	20	24	11	49	60	
3.	Wheat	VE	HYV-PBW-39	Rabi2019-20	10	4	3	9	12	
4.	Bottle gourd	VE	HYV-Aditi	Rabi2019-20	0.2	0.2	1	9	10	
5.	Cauliflower	VE	HYV-Girija	Rabi2018-19	0.20	0.16	1	7	8	
6.	Cabbage – Diamond Express	VE	HYV-Diamond Express	Rabi2019-20	0.20	0.16	1	7	8	
7.	Bee Kee	Enterprise	Apis Melife	Rabi2019-20	5units	5	1	4	5	

	ping		rea							
8.	Goat Keeping	Enterp rise	Barbar i goat	Rabi20 19-20	5 Ani mal s	5	2	1	3	
9.	Vcci natio n	Diseas es contro l	Vaccia nation against HS and FMD	Kharif- 2019	200 Ani mal s	287	21	43	6 4	
10.	Bese em fodd er	Fodde r produc tion	Varda n	Rabi20 19-20	1.0	1.0	3	22	2 5	
11.	Mus tard	Oil seed produc tion	Pitamb eri ,PPS-1	Rabi20 19-20	20	20	5	20	25	
12.	Gram	VE	RSG- 974	Rabi20 19-20	10	10	4	21	25	
13.	Lentil	VE	NDL- 1	Rabi20 19-20	10	10	3	22	25	
14.	Multic ut Chari	VE	SSG- 998	Rabi20 19-20	1.0	1.0	3	14	17	
15.	Mushro m	Enterp rise	Oyster	Rabi20 19-20	10	10	3	20	25	
16.	Button Musroo m	Enterp rise	Agricu s	Rabi20 19-20	5	5	1	4	5	
18.	Apicult ure	Enterp rise	Apis Melifera	Rabi20 19-20	5	5	1	4	5	

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					
Pigeon pea	Kharif	Irrigated	Sandy loam	L	L	M	Wheat	Ist week of July,18	April,20 18	306mm	-
Gram	Rabi	Irrigated	Sandy loam	L	L	M	Paddy	Last week of October,20 18	March,20 18	306mm	-
Mustard	Rabi	Irrigated	Sandy loam	L	L	M	Paddy	Ist week of October,20 18	March,20 18	306mm	-

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Narendra Arhar -1 – Farmers were satisfied for higher yield
2	Chick pea –RSG-974- Farmers reported more yield and less wilt
3	Mustard PPT -1 –Variety performed better yield than Pitambari variety

Farmers' reactions on specific technologies

S. No	Feed Back
1	Narendra Arhar-1 Sown on raised bed performed better production
2	Chick pea –RSG -974- Sown with raised bed provide better yield

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	1-Field day on Pant Yellow Mustard-1	12-02-2019	22	
2	Farmers Training	1-Production technology of Mustard	22-12-19	27	
		2-Production technology of Rabi Pulses	16-10-19	31	
3	Media coverage				
4	Training for extension functionaries	1-Seed production technology of of Pulse and oilseed crops	10-11-19	127	

**Performance of Frontline demonstrations
CFLD on oilseed 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										
Mustard																		
	VE	HYV	Pant yellow Sarso-1	25	20	17.6	14.3	16.2	13.7	18.25	23800	68040	44240	1:2.85	23530	57540	34706	1:2.45

Expected Sale price/ MSP - Mustard - Rs. 34200/Q.

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

** BCR= GROSS RETURN/GROSS COST

CFLD 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										
Pigeon pea																		
	VE	HYV , Raised bed sowing	NA-1	25	10	25.8	20.6	23.2	18.5	28.3	24230	131660	107430	1:5.43	24140	104987.5	80847.5	1:4.35
Chickpea																		
	VE	HYV	RSG-974	25	10	24.2	19.5	22.6	17.5	29.14	23630	104412	80782	1:4.41	22800	80850	58050	1:3.55
Lentil																		
	VE	HYV	NDL-1	25	10	19.4	17.2	18.2	15.3	18.95	24800	81445	56645	1:3.28	23350	68467.5	45075.5	1:2.93

Expected Sale price/ MSP – Pigeon pea- Rs. 5675/Q, Chick pea -Rs. 4620/Q. and Lentil- Rs. 4475/Q

* 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	The mati c 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./ha)			
					Demo High	Low	Average	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals																			
Paddy																			
	VE	HYV-NDR-3112	60	24	56.70	51.50	53.80	47.20	13.98			36900	94150	57250	1:2.55	34600	82600	48000	1:2.38
Wheat																			
	VE	DBW-39	10	4	60.5	45.8	52.9	39.40	34.26			39500	97336	57836	1:2.46	38950	72496	33546	1:1.86
Vegetables																			
Bottlegourd																			
	VE	HYE-Aditi	10	0.2	323.70	321.40	322.90	263.30	22.63			15670	96970	81300	1:6.18	13010	78980	65970	1:6.07
Cabbage																			
	VE	HYV-Diamond Express	8	0.16	192.40	181.20	186.05	140.40	32.50			17810	93025	75215	1:5.20	15920	70200	54280	1:4.40

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

FLD on Livestock

[illegible]

Vaccination	Infectious Diseases control	Vaccination and de-worming for prevention against BQ,HS ,FMD and parasitic infectious diseases to dairy Cattle ,buffaloes and goats	64	287	287	-	100	Infection nil in vaccinated and de - worming animals										
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* 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 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																	

* 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 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)
Button Mushroom	Button Mushroom(Agaricus bisporus)	5	5	60.00Kg.	48.00kg.	25.00			4150	9000	4850	1:2.17	4000	7200	3200	1:1.80
Apiculture	Hony Production (Italian Bee-Apis Melifera)	5	5	57.50	42.50	35.29			3000	5750	2750	1:1.91	3000	5250	2250	1:1.75

FLD on Women Empowerment

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

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
Ferti Seed Drill	Wheat	Line sowing of seed and fertilizer	4	1.0	Plant / sq. m Fertilizer / ha Kg seed / ha Yield q / ha	446 100 kg DAP 100 47.8	440 125 150 40.2	1.8 25 33 18.9	-	-	-	-	-	-	-	-
																15610

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)

FLD on Demonstration details on crop hybrids (Details of Hybrid FLDs implemented during 2019-20)

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													

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



FLD on Cauliflower-Variety –Girza and Bottle gourd-Variety –Aditi conducted by KVK Ambedkar Nagar Year-2019-20



FLD on Barbari Goat Farming and Green Fodder Multicut Chri-Variety –SSG-898 conducted by KVK Ambedkar Nagar Year-2019-20



FLD on Oyster Mushroom Production conducted by KVK Ambedkar Nagar



FLD on Paddy NDR-3112 conducted by KVK Ambedkar Nagar Year-2019-20

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

[illegible]

Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	1	14	0	14	6	0	6	20	0	20
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
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)	1	14	0	14	6	0	6	20	0	20

[illegible]

Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements	1	40	0	40	10	0	10	50	0	50
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total	1	40	0	40	10	0	10	50	0	50
VII Plant Protection										
Integrated Pest Management	1	8	3	11	8	6	14	16	9	25
Integrated Disease Management										
Bio-control of pests and diseases	1	0	39	39	0	6	6	0	45	45
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	2	8	42	50	8	12	20	16	54	70
VIII Fisheries										
Integrated fish	1	0	11	11	0	39	39	50	0	50

farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total	1	0	11	11	0	39	39	50	0	50
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production	1	8	3	11	8	6	14	16	9	25
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	1	10	4	14	3	5	8	13	9	22
Organic manures production										
Production of fry and fingerlings										
Production of Bee-hives and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production	1	19	0	19	12	2	14	36	0	36
Apiculture										
Others (pl specify)										
Total	3	37	7	44	23	13	36	60	20	80

[illegible]

technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology	1	3	0	3	22	0	22	25	0	25
Processing and value addition										
Others (pl specify)										
Total (f)	1	3	0	3	22	0	22	25	0	25
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)	15	678	16	694	147	24	171	825	40	865
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management	1	10	1	11	4	0	4	14	1	15
Integrated Nutrient Management	1	9	2	11	11	4	15	20	6	26
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total	2	19	3	22	15	4	19	34	7	41

[illegible]

Total	1	11	0	11	39	0	39	50	0	50
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production	1	8	3	11	8	6	14	16	9	25
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder	2	32	3	35	5	3	8	37	6	43
Production of Fish feed										
Mushroom Production	1	19	0	19	12	2	14	31	2	33
Apiculture										
Others (pl specify)										
Total	5	69	10	79	28	16	44	97	26	123
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths	1	22	2	24	14	0	14	36	2	38
WTO and IPR issues										
Others (pl specify)										
Total	1	22	2	24	14	0	14	36	2	38
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming	1	19	1	20	4	3	7	23	4	27

Systems										
Others (pl specify)										
Total	1	19	1	20	4	3	7	23	4	27
GRAND TOTAL	83	1494	153	1647	446	109	555	1940	262	2202

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	17	4	21	3	1	4	20	5	25
Training and pruning of orchards										
Protected cultivation of vegetable crops	1	8	6	14	8	3	11	16	9	25
Commercial fruit production	1	14	6	20	5	0	5	19	6	25
Integrated farming										
Seed production	1	24	1	25	0	0	0	24	1	25
Production of organic inputs										
Planting material production										
Vermi-culture	1	8	6	14	8	3	11	16	9	25
Mushroom Production	2	10	21	31	32	12	44	42	33	75
Bee-keeping	1	17	3	20	13	2	15	30	5	35
Sericulture										
Repair and maintenance of farm machinery and implements	2	40	0	40	10		10	50	0	50
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	2	22	8	30	1	46	47	23	54	77
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	1	26	2	28	4	2	4	30	4	34
Ornamental fisheries										
Composite fish culture	1	25	1	26	6	0	6	31	1	32
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	12	171	58	229	118	77	195	289	135	424

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	1	17	4	21	3	1	4	20	5	25
Training and pruning of orchards										
Protected cultivation of vegetable crops	1	8	6	14	8	3	11	16	9	25
Commercial fruit production	1	14	6	20	5	0	5	19	6	25
Integrated farming										
Seed production	1	24	1	25	0	0	0	24	1	25
Production of organic inputs										
Planting material production										
Vermi-culture	1	8	6	14	8	3	11	16	9	25
Mushroom Production	2	10	21	31	32	12	44	42	33	75
Bee-keeping	1	17	3	20	13	2	15	30	5	35
Sericulture										
Repair and maintenance of farm machinery and implements	2	40	0	40	10		10	50	0	50
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	2	22	8	30	1	46	47	23	54	77
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	1	26	2	28	4	2	4	30	4	34
Ornamental fisheries										
Composite fish culture	1	25	1	26	6	0	6	31	1	32
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	12	171	58	229	118	77	195	289	135	424

[illegible]

[illegible]

among farmers										
Capacity building for ICT application										
Management in farm animals	2	45	0	45	5	0	5	50	0	50
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	8	195	0	195	14	0	14	209	0	209

Training programmes for Extension Personnel 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
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
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	1	74	1	75	6		6	80	1	81
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	1	74	1	75	6	0	6	80	1	81

Table. Sponsored training programmes

[illegible]

Commercial production of vegetables										
Production and value addition										
Fruit Plants	3	143	0	143	7	0	7	150	0	150
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total	3	143	0	143	7	0	7	150	0	150
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management	1	33	2	35	8	7	15	41	9	50
Others (pl. specify)										
Total	1	33	2	35	8	7	15	41	9	50
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL	4	176	2	178	15	7	22	191	9	200

Name of sponsoring agencies involved: i-Deptt. of Horticulture, Ambedkar Nagar
ii- Deptt. of Fisheries, Ambedkar Nagar

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

cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total	1	24	1	25	3	2	5	27	3	30
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	4	94	2	96	20	4	24	114	6	120



Vocational Training on Rabi Nursery Production Technology organized by KVK Ambedkar Nagar on 19-20th September, 2019



Vocational Training on Integrated fish Farming and Management organized by KVK Ambedkar Nagar on 12-15th June, 2019



Vocational Training on Pig Farming and Management organized by KVK Ambedkar Nagar on 12-15th December, 2019



Vocational Training on Bee Keeping and Management organized by KVK Ambedkar Nagar on 7-10 January, 2019

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	154	328		328
Diagnostic visits	112	225		225
Field Day	12	243	5	248
Group discussions	5	67		67
Kisan Ghoshti	45	7429	37	7466
Film Show	2	54		54
Self-help groups	3	87		87
Kisan Mela	6	20932	132	21064
Exhibition	4	16470		16470
Scientists' visit to farmers field	254	1229		1229
Plant/animal health camps	3	143		143
Farm Science Club	1	14		14
Ex-trainees Sammelan	4	67		67
Farmers' seminar/workshop	2	128		128
Method Demonstrations	2	10		10
Celebration of important days	7	3481		3481
Special day celebration	3	214		214
Exposure visits	2	132		132
Others (pl. specify)				
Total	621	51253	174	51427

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	2
News paper coverage	81
Popular articles	5
Radio Talks	13
TV Talks	
Animal health Camps (Number of animals treated-287 no.)	3
Others (pl. specify)	
Total	104



Hon'ble Vice Chancellor Prof. J.S. Sandhu visited at KVK Ambedkar Nagar on 10th Feb., 2019 and addressed to farmers in Kisan Gosthi organized by KVK Ambedkar Nagar



Hon'ble Vice Chancellor Prof. J.S. Sandhu visited different units established at KVK Ambedkar Nagar on 10th Feb., 2019



Hon'ble Board Member of University Sri Chhedi Singh visited at KVK Ambedkar Nagar on 13th March., 2019 and addressed to farmers in Zaid Utpadkata Gosthi organized by KVK Ambedkar Nagar



Hon'ble Board Member of University Sri Chhedi Singh visited different units at KVK Ambedkar Naga and Cluster Demonstration (CFLD) on Pulse- Chick Pea- RGS-974 organized by KVK Ambedkar Nagar on 13th March., 2019



KVKAmbedkar Nagar Scientis participated and displayed Ehibition in District level Kisan Gosthi on 24-25th September,2019 organized by Deptt.of Horticulture,Ambedkar Nagar

Mobile Advisories provided to farmers

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
	Text only	12	4	5		2		23
	Voice only							
	Voice & Text both							
	Total Messages	12	4	5		2		23
	Total farmers Benefitted							122823

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organized Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies			
	Lectures organised			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

VI. 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	NDR-3112		28.26	89600	
	Wheat	DBW-39, HD-2967		26.00	59800	
Total				54.26	1,49,400	

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	Califlower	Girja		6250plants		
	Cabbage	Diamond Express		6250plants		
	Chilli	Gomati		6250plants		
	Brinjal	Navkiran		6250plants	16250	25
Fruits	Papya	Madhu		750 plants	3750	25
Fodder crop saplings	Napier Grass	Narendra Hybrid Napier-9		153saplings		16
Total				25903	20000	66

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	514	521	5	
Water				
Plant				
Manure				
Others (pl.specify)				
Total	514	521	5	

VIII. SCIENTIFIC ADVISORY CONNITTEE-

Name of KVK	Number of SACs conducted

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Vikash ki Ranhe	20000

X. PUBLICATIONS

Category	Number
Research Paper	5

Technical bulletins	1
Technical reports	4
Others -Leaflet	2

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICo 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.)

XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
Total			

XIII. DETAILS ON HRD ACTIVITIES

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved

HRD activities organized in identified areas for KVK staff by the Directorate of Extension

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. 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. 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. 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

CASE STUDIES / SUSCESS STORY-1**Name of KVK-Ambedkar Nagar**

Title:- Chick Pea-RSG-974 becoming popular in farmers' for their yielding trait.

Introduion:- Sri Ram Sahaya Verma , village & post Manshapur, Block: Katehari , District:Ambedkar Nagar, a farmer who was selected for this demonstration. He was earlier involved with local variety of Chick pea- Adhar or Uday. These varieties were low in yield

KVK Intervention:- KVK Ambedkar Nagar tries to make them aware regarding scientific cultivation of mustard. That starts from land preparation to harvesting. This KVK 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 variety of Chick pea-RSG-974. That was sown on 16-10-2017 with seed treatment with Rhizobium culture and recommended dose of fertilizer (N:P:K:S::20:60:20:20) kg./ha. application was done with basal application.

Output:- Sri Ram Sahaya Verma adopted the balanced dose of chemical, fertilizer kg/ha in mustard crop as per suggestion of KVK's scientist for his 0.4ha land. His local yield was 17.5 qt./ha. with recommended technology. His yield of Chick pea-RSG-974 increased by 38.2 % with yield 24.2 qt./ha. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded Rs. 23630, Rs. 104412, Rs. 80782 and 4.41 correspondingly.

Outcome:- Chick Pea is the major pulse crop of the district. KVK Ambedkar Nagar conducted 41 demonstrations in 03 village during 2017-18 to 18-19 in an area of 20 ha. at farmers' field with using HYV of Chick Pea-RSG-974 and balanced dose of chemical fertilizer (N:P:K:S::20:60:20:20) kg./ha.. This variety has been disseminated in 23 villages of the district in area of approximately 82ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Rahul Singh is very happy on improvement in their income, livelihood and set forth example for others.

Impact:- Sri Ram Sahaya Verma is becoming one of the progressive and learned farmers for others with regards to popularization of Chick Pea-RSG-974. This technology helps him for livelihood, empowerment and make him enthusiastic regards pulse production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Sri Ram Sahaya Verma is very happy with this improved production and management technology and set forth example for other farmers of the district.



KVK Scientists visited FLD conducted of Chick Pea--RSG-974 on Sri Ram Shahya Verma field

CASE STUDIES / SUSCESS STORY -2

Name of KVK- Name of KVK-Ambedkar Nagar

TITLE- Hybrid tomato cultivation on raised bed by polythene mulching for better production in Ambedkar Nagar district

Introduction- Sri Ram Janak s/o Sri Ram Jeevan Verma, Vill- Panti, Block-Katehari, District-Ambedkar Nagar, age-50 years, education level-Intermediate, size of land holding-3 acre. Previously, he cultivated rice-wheat crops and tomato but he faced poor production of tomato due to attack of diseases and poor fruit quality.

Plan, Implement and Support:- KVK, Ambedkar Nagar imparted training on Scientific vegetable production in year 2017-18, in which Sri. Ram Janak participated and he acquired the knowledge about tomato production on ridge planting, staking method and Polythene mulching to reduce the weed infestation and moisture loss and disease incidence in the spacing of 75X45 cm., fertilizer dose NPK-120:60:50 kg/ha. The ridge planting, staking and Polythene mulching in tomato, yield increased up to 52.33% as compared to flat planting (FP) of tomato. It increased efficient use of water, promoted the plant growth due to better root development, reduced the water loss, disease incidence and added increases income to the farmers.

Output: - Sri Ram Janak applied the recommended doses of fertilizers NPK120:60:50 kg /ha in hybrid tomato crop as per suggestion of KVK scientists. He recorded cost of cultivation Rs.62100/ha., gross return- Rs. 280300/ha and B: C ratio-4.5:1. He got total net profit from Tomato Variety-Avinash-1 in one ha.- Rs. 2,18,200/-

Outcome:- Tomato crop is the major Rabi vegetable commercial crop of the district. KVK Ambedkar demonstrated technology in 17 villages on 76 farmers fields with using HYV Hybrid variety-Avinash-1 on ridge planting, staking method and Polythene mulching at spacing of 75X45 cm., and balanced dose of chemical fertilizer dose NPK-120:60:50 kg. / ha. The outcome of this demonstration motivated the farming communities of nearby villages to replace their old varieties by Hybrid Tomato varieties. Sri Ram Janak Verma is very happy on improvement in their income, livelihood by Latest technology of tomato production.

Impact:- Sri. Ram Janak Verma is becoming one of the progressive and learned farmers for others with regards to popularization of technology of tomato production on raised bed, staking and polythene mulching with improved variety-Avinash-1. This technology helps him for livelihood, empowerment. Now this technique is adopted by more than 325 farmers in 126 ha than 60 farmers adopted this technology by seeing and believing in nearby villages.



Field of Sri Ram Janak Verma of tomato production on raised bed with polythene mulching Variety-Avinash-1

CASE STUDIES / SUSCESS STORY -3

Name of KVK- Name of KVK-Ambedkar Nagar

Title- Poultry cum fish farming became a good source of income and employment

Introduction:-Mr. Anand Singh S/O Ram Keval Singh, Vill.-Sangrampur ,Post-Chanaipur, Block-Akbarpur, ,District-Ambedkar Nagar, age-29 years,education-Graduate level, size of land holding 1 Hactre. His income ranged from 1.5 -2.0 lakhs annually from rice-wheat –cropping system and was not sufficient for their 10 members family needs.

KVK intervention:- In year 2015-16Mr. Anand Singh participated in trainings organized on Scientific poultry farming by Krishi vigyan Kendra, Ambedkar Nagar & KVK organized demonstration on poultry farming of 500 birds on his farm .After that of he created awareness to start lard scale poultry farming as an enterprise and in guidance of KVK Animal Scientist he established 3000 capacity well developed poultry farm and his net income from poultry increased up to Rs. 30, 00,000 -40,00, 000/ annum. KVK Scientists organized training on composite fish farming in 2016-17 and created awareness to poultry farmers to start fish farming with poultry farm and utilize the 60 % poultry manure instead of animal dung/manure for fertilization fish ponds. In this training Mr. Anand Singh also participated and in year 2017 he established a fish pond in 1 acre area beside the poultry farm and started 3000 composite fish farming with 4 fish species Katla, Rohu, Nain and Common Carp in ratio of 30:25:20:25 along with poultry farming. Poultry farming of 3000 broiler birds integrated along with fish farming made better utilization of resources, substantially with proper nutrition , diseases control and management provides more profitable income.

Output:- -

- Total annual cost of 15000 poultry birds (3000 birds/ batch of 5 batch/year) to gain av. wt 2kg./bird @Rs.140/birds =Rs.21,00,000/-
- Av. Income by selling of 14700 bird (2% mortality) @ av.Rs.170/bird of 2kg =Rs. 24,99,000/-
- Av. Profit / year of 5 batch from selling of 14700 ready poultry birds = 3,99,000/-
- Income by poultry manure of 15Q.@ Rs.1500= Rs. 22,500/-
- Total annual income from poultry farm=Rs. 4,21,500 /-
- Total annual cost of fish farming in one acre ponds of 3500 fish /year) to gain av. wt 1.15 kg./fish @Rs.100/fish =Rs.3,50,000/-
- Av.Income by selling of 3430 fish (2% mortality) @ Rs.160/kg. =Rs6,31,120/-
- Av. Profit / year of from selling of 3430 fish = 2,81,120/-

Outcome-Annually profitable income-

- Total annual income from poultry farm=Rs. 4,21,500 /-
- Av. Profit / year of from selling of 3430 fish = 2,81,120/-
- Total annual profitable income =Rs. 4,21,500+2,81,120 = Rs. 7,02,620 /year



View of Mr. Anand Singh Integrated poultry cum fish farming

Impact- Mr. Anand Singh is becoming one of the progressive and learned farmers for others with regards to popularization of Poultry cum fish farming. This technology helps him for livelihood, empowerment. Now this technology is adopted by more than 5 farmers started the Poultry cum fish farming technology by seeing and believing in nearby villages.Integrated poultry farming of broiler birds along with fish production made better utilization of resources, substantially with proper nutrition and feeding, diseases control and management, provides more profitable income. Mr. Anand Singh is satisfied from his poultry cum fish farming business and his and income increased three times which improved his livelihood and set forth example for others farmers.

VIXI - Comprehensive report of CFLDs - 2019-20

I-Comprehensive report - CFLDs on Oilseeds- 2019-20

Crop	Allocation		Achievements		Tech. demon started	Yield (kg/ha)		Yield gap	
	Area (ha.)	No. of FLDs	Area (ha)	No. of FLDs		C-FLDs	Check	Kg./ha	%
Mustard	10	25	20	30	Pant Yellow Sarson - 1	16.20	13.70	2.50	18.

CFLD on Pant yellow Sarson-1: Cluster FLD was conducted at 30 farmers fields in the area of 20 ha. The average yield of demonstration was 16.2q./ha. and of check was 13.7q. / ha. The per cent increase of demo yield over check was 18.25. The BCR ratio of demo was 1:2.85 while BCR ratio of check was 1:2.45.



CFLD on Oilseeds- Mustard Pant Yellow Sarson-1 organized by KVK, Amb. Nagar

II-Comprehensive report - CFLDs on Pulses- 2019

CFLD on Pigeon pea –Narendra Arhar-2: Cluster FLD was conducted at 25 farmers fields in the area of 10 ha. The average yield of demonstration was 23.2 q/ha. and of check was 18.5q/ha. The per cent increase of demo yield over check was 28.3. The BCR ratio of demo was 1:5.74 while BCR ratio of check was 1:4.59.





CFLD on Pigeon Pea -NA-2 organized by KVK Amb.Nagar

CFLD on Lentil –NDL-1: Cluster FLD was conducted at 25 farmers fields in the area of 10 ha. The average yield of demonstration was 18.2q./ha. and of check was 15.3 q./ha. The per cent increase of demo yield over check was 18.95. The BCR ratio of demo was 1:3.28 while BCR ratio of check was 1:2.93.



CFLD on Lentil- NDL-1 organized by KVK, Amb. Nagar

CFLD on Chick pea –RSG-974: Cluster FLD was conducted at 25 farmers fields in the area of 10 ha. The average yield of demonstration was 22.6q./ha. and of check was 17.5q. / ha. The per cent increase of demo yield over check was 29.14. The BCR ratio of demo was 1:4.41 while BCR ratio of check was 1:3.55.



CFLD on Chick pea-RSG-974 organized by KVK, Amb.Nagar

**VIXII- Revolving funds –Seed, Planting Materials Production Revenue generated and
Current balance**

Sl. No.	Particulars	Quantity of Seeds(qu.)	Amount allotted (lac)	Total balance Amount (lac)
1.	Paddy-NDR -3112 (2.0 ha)	28.26	1.0	2.14
2.	Wheat- DBW-39, HD-2967 (2.0 ha)	26.0		
3.	Planting materials	25903no.		
	G.T.		1.0	2.14

**STATUS OF BUDGET EXPENDITURE
(Financial Year 2019-20)**

Sl no.	Heads of Expenditure	Budget sanction for Yr. 2019-20(Rs. in Lakh)	Tentative Expenditure up to March, 2019 (Rs. in Lakh)	Balance (Rs. in Lakh)
A-	Recurring-			
1.	Pay & Allowances	130.00	121.42456	8.57544
2.	Travelling Allowances	1.00	0.99927	0.00073
3.	HRD	0.30	0.15125	0.14875
4.	Contingencies-			
a.	Stationeries& telephone etc	0.50	0.49480	0.0052
b.	POL and Repairs of vehicles	1.20	1.11292	0.7070
c.	Vocational Trainings-			
	(a)- Meals for trainees	0.60	0.59795	0.0205
	(b)- Training materials	0.30	0.27898	0.2102
d.	Training for Ext. Functionaries	0.45	0.33250	0.1175
e.	FLD excluding oilseed & pulses	0.80	0.77344	0.2656
f.	On –Farm Trials	0.50	0.24994	0.25006
g.	Library	0.05	0.0582	0.4418
h.	Farmers Fairs	0.00	00.00	0.00
i.	Miscellaneous	00.00	00.00	00.00
	Total	135.7	126.43775	9.26225
B-	Non Recurring-			
a.	Equipments(IT)	1.30	1.23116	0.6884
C-	SC SP-General contingency	3.50	3.49527	0.0473
	Total-(A+B+C)	140.50000	131.16418	9.33582

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