

ANNUAL PROGRESS REPORT (April-2016-March-2017)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	76	2324	636	2946
Rural youths	4	103	-	103
Extension functionaries	2	84	-	84
Sponsored Training	19	679	-	679
Vocational Training	-	-	-	-
Total	101	3190	636	3826

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	258	63	
Pulses	127	50.4	
Cereals	125	50	
Vegetables	85	17	
Other crops	-	-	
Hybrid crops	-	-	
Total	595	180.4	
Poultry	40	-	40/800 poultry
Buck	10	-	10 buck
Other enterprises			
Total	50		
Grand Total	645	180.4	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	4	20	20
Livestock	1	10	10
Various enterprises			
Total			
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	5	30	30

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1388	19316
Other extension activities	1000	-
Total	2388	19316

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
BANSWARA	Text only						1	1
	Voice only							
	Voice & Text both							
	Total Messages						1	1
	Total farmers Benefitted						1728	1728

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	129.5	350000
Planting material (No.)	24994	707055
Bio-Products (kg)	51.80	29575
Livestock Production (Poultry)	6562	524960
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil 486	480	4860
Water 04	04	40
Plant	-	-
Total	490	4900

8. HRD and Publications

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

DETAIL REPORT OF APR-2016-17

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Banswara	Office	FAX	kvkbanswara@gmail.com
	02962-260069	02962-260069	

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

Address	Telephone		E mail
Maharana Pratap University of Agriculture & Technology, Udaipur	Office	FAX	deempuatudr@gmail.com deempuatudr@yahoo.com
	0294-2417697	0294-2412515	

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

Name	Telephone / Contact		
Dr. R.L. Soni	Residence	Mobile	Email
	02962-260084	9636792255	kvkbanswara@gmail.com

1.4. Year of sanction: **1983**

1.5. Staff Position (as on 30th March, 2017)

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	Email id
1	Programme Coordinator	Dr. R.L. Soni	Sr. Sc. & Head	Agriculture Extension Education	37400-67000	57110	18-9-2007	Temporary	OBC	9636792255	50	kvkbanswara@gmail.com
2	Subject Matter Specialist	Dr. Ranjeet Singh	Scientist	Soil Science	15600-39100	30600	6-7-2006	Temporary	OBC	9414604902	46	ranjeetsingh1970@gmail.com
3	Subject Matter Specialist	Dr. H.L. Bugalia	Scientist	Animal Science	15600-39100	23610	31.12.2011	Temporary	OBC	9001590701	37	kvkbanswara@gmail.com
4	Subject Matter Specialist	Dr. B.S.Bhati	Scientist	Horticulture	15600-39100	22250	25.6.2013	Temporary	Others	9829422993	43	bhati.bsbikaner@gmail.com
5	Subject Matter Specialist	Vacant	Scientist	Agronomy	-	-	-	-	-	-	-	-
6	Subject Matter Specialist	Vacant	Scientist	Fisheries	-	-	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant	Scientist	Home Science	-	-	-	-	-	-	-	-
8	Programme Assistant	Dr. G.L. Kothari	STA	Agriculture Extension Education	15600-39100	33770	20-2-1990	Temporary	Others	9414786256	52	kvkbanswara@gmail.com
9	Computer Programmer	Mrs. Rashmi Dave	P.A.	Home Science	9300 - 34800	21400	13-8-2003	Temporary	Others	9460584423	42	kvkbanswara@gmail.com
10	Farm Manager	Vacant	P.A.	-	-	-	-	-	-	-	-	-
11	Accountant / Superintendent	Vacant	Accountant	-	-	-	-	-	-	-	-	-
12	Stenographer	Sh. Devi Lal	LDC Grade II	-	5200 - 20200	16250	24.2.1980	Temporary	OBC	9166408040	56	kvkbanswara@gmail.com
13	Driver	Sh. Vithla	Driver	-	9300 - 34800	23410	22-12-1978	Temporary	SC	9460410241	58	kvkbanswara@gmail.com
14	Driver	Vacant	Driver	-	-	-	-	-	-	-	-	-
15	Supporting staff	Sh. Goverdhan Lal	Supporting Staff	-	5200 - 20200	12310	18-10-1979	Temporary	OBC	9461118383	58	kvkbanswara@gmail.com
16	Supporting staff	Sh. Hemraj	Supporting Staff	-	5200 - 20200	11120	3-1-1989	Temporary	OBC	9460521335	57	kvkbanswara@gmail.com

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	0.69
2.	Under Demonstration Units	0.037
3.	Under Crops	5.25
4.	Orchard/Agro-forestry	6.00
5.	Others (specify) Pond	0.20
6.	Others (specify) Path & Irrigation Channels	0.61

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	Administrative Building	ICAR	1988	441.85	Constructed by EO and handed over to KVK		
2.	Farmers Hostel	ICAR	1985	372.0	Constructed by EO and handed over to KVK			
3.	Staff Quarters (6)	ICAR	2006-07	405.0	Constructed by EO and handed over to KVK			
4.	Demonstration Units (2)	Other agency	1992	372.33	3.00	-	-	-
5.	Fencing	ICAR	2015		-	-	-	-
6.	Rain Water harvesting system	ICAR	2008	35	9.72	-	-	-
7.	Threshing floor	ICAR	2007	-	1.00	-	-	-
8.	Farm godown	ICAR	-	EO Office	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2007	500000	260117	Running
Motor Cycle	2004	27000	99454	Running
Motor Cycle	2011	50000	39450	Running
Tractor	2017	512633	10 hrs	Running

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD	2005	82620	Good
Television + VCD	2007	26200	Good
Video Conferencing	2007	170840	Good
Digital Camera	2007	14000	Good
Digital Camera	2009	15000	Good
Digital Camera	2011	27000	Good

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

S.N.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	23.01.2017	<p>1- izks-Jh ;w-,l-'kekZ] dgyifr] e-iz-Ñ-fo-fo-] mn;iqj</p> <p>2- MkW-th-,l-frokM+h] funs'kd] izlkj f'k{kk] e-iz-Ñ-fo-fo-] mn;iqj</p> <p>3- MkW-ih-ds-jksdfM+;k] {ks=h; vuqla/kku funs'kd] , -vkj-,l-] ckalokM+k</p> <p>4- MkW-oh-ds-usikfy;k] izksQslj ,oa v/;{k 'kL; foKku] vkj1h,] mn;iqj</p> <p>5- MkW-ih-lh-piyksr] izksQslj] 'kL; foKku] e-iz-Ñ-fo-fo-] mn;iqj</p> <p>6- MkW-ch-ds-'kekZ] izksQslj] eRL;] e-iz- Ñ-fo-fo-] mn;iqj</p> <p>7- MkW-fojsUnz flag] lgk;d izk/;kid] m kfudh] vkj1h,] mn;iqj</p> <p>8- Jh vkj-ds-tkjksyh] mifuns'kd ¼Ñf''k½] ckalokM+k</p> <p>9- MkW-jru caly] ofj''B i'kq fpfdRlkf/kdkjh] i'kqikyfu foHkkx] ckalokM+k</p> <p>10- Jh 'kkafrky Mkeksj] lgk;d funs'kd] m ku]</p>	<p>Qlyksa ds lkFk&lkFk Qynkj o`{kksa ds Hkh izFke iafDr izn''kZu yxk;s tk;saA eqxhZikyu dh cM+h ;wfuV dh LFkkiuk gsrq ,LVhesV rS;kj dj izLrko Hkstsaa Ñf'k foHkkx gsrq e`nk ds uewus dh tkap Ñf'k foKku dsUnz ij dh tk;s mlds fy, lafonk ij O;fDr j[k ldrs gSaa ftys esa tSfod [ksrh dks c<+kok nsus gsrq izf'k{k.k ,oa izn''kZu vk;ksftr djsaaA ikWyh gkml esa lw=Ñfe dh leL;k ij izn''kZu vk;ksftr djsaaA e`nk LokLF; dkMZ ls vf/kdkf/kd fdlkuksa dks ykHkkfUor djsaaA izFke iafDr izn''kZuksa dk izHkko ewY;kadu vo"; djsaaA lkSj ÅtkZ pkfyr midj.kksa dks c<+kok nsus gsrq izf'k{k.k vk;ksftr djsaaA fdlkuksa dh vkenuh c<kus gsrq Qwyksa dh [ksrh dks c<+kok nsosaA ØkWi dsQsVsfi;k esa lHkh rjg ds fdLeksa dks iznf''kZr djsaaA izFke iafDr izn''kZu vk;ksftr djus ls iwoZ esa e`nk ijh{k.k vfuo;Z djsaaA dsUnz esa izf'k{k.kksa esa ukckMZ dh fofHkUu ;kstukvksa ls fdlkuksa dks voxr djkosaaA vke dh Qly ij dhV ,oa chekj ds funku gsrq Ñ'kd oSKkfud laokn vk;ksftr djsaaA dsUnz ftys ds gj [k.M ij izf'k{k.k ,oa izn''kZu vk;ksftr djsaaA dsUnz dh xfrfof/k;ksa esa Jheku~ funs'kd] vVkj dh funsZ''kksa ,oa fo''fofjky; ds fu;eksa dh ikyuk djsaaA cht mRiknu ij vf/kd ls vf/kd izf'k{k.k vk;ksftr fd, tk;saA</p>	<p>mDr lq>koksa ij fØ;kUo;u o''kZ 2017&18 ds nkSjku fd;k tk;sxkA</p>

		<p>ckalokM+k</p> <p>11- Jh ds-lh-eh.kk] lgk;d funs'kd Ñf''k foLrkj] ckalokM+k</p> <p>12- Jh jkelsod c?ksy] lgk;d funs'kd] Ñf''k izlkj] ckalokM+k</p> <p>13- Jh lqHkk''k tSu] MhMh,e] ukckMZ] ckalokM+k</p> <p>14- Jh ftrsUnz pkS/kjh] izkstsDV Mk;jsDVj] fjyk;al Qkm.Ms'ku] ckalokM+k</p> <p>15- Jh lqjs'k feJk] lhbZvks] ts-ds-, -ih- lh-,y-] ckalokM+k</p> <p>16- Jh dqynhi 'kekZ] vuqla/kku vf/kdkjh] e`nk ty ijh{k.k iz;ksx'kkyk] ckalokM+k</p> <p>17- MkW-ykypUn] izfrfuf/k] i'kqiky foHkkx] ckalokM+k</p> <p>18- Jh ckiqyky] izxfr'khy fdlku] Nk;.kk</p> <p>19- Jh Mh-Mh- iafMr] izfrfuf/k] ck;Q</p> <p>20- Jherh tksek] izxfr'khy fdlku efgyk] vejFkwu</p> <p>21- Jh y{e.k] izxfr'khy fdlku] vejFkwu</p> <p>22- Jh y{e.kyky elkj]</p>	<p>ty lykou ds nq'izHkko o izca/ku ij izf''k{k.kksa dh la[k c<+kbZ tk;sa izn'kZuksa esa yxkbZ xbZ ubZ fdLe ds cht dk fdrus {ks= esa foLrkj gqv mldk vkadyu djsaA ,tksyk dk mi;ksx pkoy esa vf/kdkf/kd fd;k tk;s] ftlls vf/kd mRiknu fy;k tk ldsA ,xzks ,Mok;tjh lfoZI }kjk lefUor dhV izca/ku dh tkudkj dh izpkj djsaA jch eDdk dks c<kok nsus ds fy;s mlds mRiknu ij izf''k{k.k vk;ksftr djsa QfVZxs''ku ij izf''k{k.k vk;ksftr fd;s tk;saA dsohds ij vke ds ikS/ks rS;kj djus gsrq dsoy ns''kh xqBfy;ksa dk gh iz;ksx djsA :V LVkWd dh igpku gsrq xkao esa tkx#drk f''kfoj o izf''k{k.k vk;ksftr fd;s tk;saA cxhpkSa esa fu;fer :i ls Lisz o izwfuax djsaA Qy mRiknu ij izkslsflax ;wfuV dh LFkkiuk o izf''k{k.k vk;ksftr fd;s tk;saA izR;sd izf''k{k.k esa ,d l= ukckMZ ds fy, j[kk tk;s rkfd ukckMZ dh fdlkuksi;ksxh tkudkj fdlkuksa rd igqap ldsA fdlkuksa dks ukckMZ dh ;kstuvksa ls tksM+s rkfd mUgSa mudh Qly dk iwjk ewY; fey ldsA ulZjh esa djksans ds ikS/ks rS;kj dj gesa miyC/k dj;saA ftys esa izrki/ku eqxhZ dh ekax dks ns[krs gq, dsUnz }kjk pwts miyC/k dj;s tk;saA dsUnz }kjk lfCt;ksa ds izn''kZu vf/kdkf/kd fdlkuksa ds [ksrksa ij yxk;s tk;saA lk''kqiky xfrfof/k;ksa ds fy, Backward Linkages dks etcwr djukA Qy&lCth izlaLdj.k ij izf''k{k.k</p>	
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		izxfr'khy fdlku] ckxhnsjk 23- MkW- vkj-,y-lksuh] lfpo& oSKkfud lykgdkj lfefr] dsohds] ckalokM+k 24- MkW- j.kthr flag] oSKkfud] e`nk foKku] dsohds] ckalokM+k 25- MkW-,p-,y-cq×kfy;k] oSKkfud] i'kq mRiknu] dsohds] ckalokM+k 26- MkW-ch-,l-HkkVh] oSKkfud] m ku foKku] dsohds] ckalokM+k 27- MkW- th-,y-dksBkjh] ofj"B rduhdh lgk;d ¼izlkj½] dsohds] ckalokM+k 28- Jherh jf'e nos] dk;ZØe lgk;d] dsohds] ckalokM+k 29- Jh nsoshyky] dfu"B fyfid] dsohds] ckalokM+k 30- Jh tho.kjke] ,l-vkj- ,Q-] vk;kZ ifj;kstuk] dsohds] ckalokM+k 31- Jh vfHk"ksd tks'kh] ih-Vh-,-] ,u-,Q-,l-,e] dsohds] ckalokM+k	vk;ksftr fd; tk;saA vke ds cxhpksa esa Malformation dh leL;k dk gy fudkysaA ukfj;y dh [ksrh dks c<+kok nsosaA ifCyd izkbZosV ikVZZujf"ki dks c<+kok nsaA Qly dVkbZ i"pkr~ izkS ksfxdh ij izf"k{k.k vk;ksftr fd;s tk;saA	
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2. DETAILS OF DISTRICT (2016-17)

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

S. No	Farming system/enterprise
1	Crop based : Maize/Cotton/Soybean/Paddy-Wheat/Rabi Maize/Gram/Summer greengram
2	Horticulture based : Chilli/Tomato/Brinjal/Okra/ Onion/Cucurbits

3	Live stock based : Cow/Buffalo/Goat/Poultry
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2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	Southern Humid Plain Zone (IV B)	High rainfall and relative humidity

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Medium black clay soil	Heavier and content high clay, high water holding capacity and suitable for cotton and soybean	10.50
2	Medium brown clay soil		15.56
3	Medium brown loamy soil		21.55
4	Medium brown gravelly loam	Medium in clay and suitable for vegetables and most crops	13.48
5	Red gravelly loamy hilly sols	Light soils, low water holding capacity and suitable for maize and pulses	3.75
6	Medium red loamy		21.39
7	Shallow red gravelly loam	Lights soils	13.22

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

S. No	Crop	Area (ha)	Production (q)	Productivity (q /ha)
1	Paddy	21612	140910	6.52
2	Maize	114860	1550610	13.50
3	Urd (Blackgram)	14580	80190	5.50
4	Soybean	58870	780028	13.25
5	Cotton	8950	40633	4.54
6	Wheat	75500	19584700	25.94
7	Barley	973	155700	16.00
8	Gram	12052	13739000	11.40

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
April 2016	-	41.7	18.2	64	17
May 2016	12.7	44.5	26.1	59	18
June 2016	96.2	43.9	26.8	75	21
July 2016	743.2	25.1	23.5	90	61
August 2016	365.6	31.5	23.8	91	63
September 2016	112.1	33.9	23.7	88	49
October 2016	64.3	34.3	12.9	85	23
November 2016	-	32.3	10.8	78	20
December 2016					
January 2017					
February 2017					
March 2017					

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	598453	450 lit/lactation	1.5 lit / day
<i>Indigenous</i>	9906	1350 lit/lactation	4.5 lit / day
Buffalo	282438	1500 lit/lactation	2.5 lit / day

Sheep			
Crossbred	7207	-	0.25 lit/day
Indigenous	504758	-	-
Goats			
Pigs			
Crossbred	125	-	-
Indigenous		-	-
Rabbits			
Poultry			
Hens			
Desi	268707	30-40 eggs/year	-
Improved		-	-
Ducks		-	-
Turkey and others		-	-

Category	Area	Production	Productivity
Fish			
Marine			
Inland	22200 ha	220 mt	100 kg/ha/year
Prawn	20 ha	1.5 mt	75 kg/ha/year
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (2016-17)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Bagidora	Bagidora	Vadlipada, Pateliya & Sangrampura	Maize Wheat Soybean Vegetables Pulses	<ul style="list-style-type: none"> • Low yield of major cereals and pulses. • Low seed replacement rate of pulses. • Non descript breed of goat. • Malnutrition in farm families. • Migration of youth after rainy season 	<ul style="list-style-type: none"> • Enhancing productivity of maize, paddy, soybean and cotton during <i>kharif</i>, wheat and gram during <i>rabi</i> and greengram during <i>zaid</i> season. • Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasher), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango. • Improving the indigenous breeds of goat by breeding and management. • Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango

2	Sajjangarh	Sajjangarh	Goika Pargi, Goika baria, Rupgarh, Jalimpura, Kushalipada, Waka Khunta, Pandwal Lunja & Pandwal Unkar	Maize Wheat Soybean Vegetables Pulses	<ul style="list-style-type: none"> • Low yield of major cereals and pulses. • Low seed replacement rate of pulses. • Non descript breed of goat. • Malnutrition in farm families. • Migration of youth after rainy season 	<ul style="list-style-type: none"> • Enhancing productivity of maize, paddy, soybean and cotton during <i>kharif</i>, wheat and gram during <i>rabi</i> and greengram during <i>zaid</i> season. • Improving the indigenous breeds of goat by breeding and management • Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango. • Exploring possibilities of aqua culture in tribal belt of Banswara. • Promotion dry land farming technologies with emphasis on water harvesting
3	Ghatol	Ghatol	Amarthoon Bhompada & Bhanwarmod	Maize Wheat Soybean Vegetables Pulses	<ul style="list-style-type: none"> • Low yield of major cereals and pulses. • Low seed replacement rate of pulses. • Non descript breed of goat. • Malnutrition in farm families. 	<ul style="list-style-type: none"> • Enhancing productivity of maize, paddy, soybean and cotton during <i>kharif</i>, wheat and gram during <i>rabi</i> and greengram during <i>zaid</i> season. • Increasing the seed replacement rate through promoting seed production techniques of self pollinated crops • Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dashehari), Aonla (NA 7, Chakaiya) and Guava (L 49) and conservation of genetic resources of mango • Improving the indigenous breeds of goat by breeding and management • Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Maize, Paddy, Soybean, Cotton	Enhancing productivity of maize, paddy, soybean and cotton during <i>kharif</i> , wheat and gram during <i>rabi</i> and greengram during <i>zaid</i> season.
Seed Replacement	Increasing the seed replacement rate through promoting seed production techniques of self pollinated crops.
Fruit & Vegetables	Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasher), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango.
Goat (AH)	Improving the indigenous breeds of goat by breeding and management, vocational training on poultry and goat
Drudgery reduction & woman Empowerment	Empowerment of women through drudgery reduction in agriculture and animals husbandry, improvement in the nutrition, health, hygiene and by using improve agricultural implements
Fisheries	Exploring possibilities of aqua culture in tribal belt of Banswara

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2016-17

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
6	5	35	30	201	180.4	580	645

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	77	95	2753	3639	182	1388	11519	19316
Rural youth	8	4	200	103				
Extn. Functionaries	2	2	60	84				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
0	129.5	Sent to RSSC	0	24994	1447

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	Tomato	Balanced nutrient management in tomato.	5	5
	Chilli	Balanced nutrient management in hybrid chilli.	5	5
	Rabi Maize	Balanced nutrient management in rabi maize.	5	5
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 : Role of PGR)	Chilli	Effect of auxin on yield of chilli	5	5
Total			20	20

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	Pratapdhan	Performance evolution of Pratapdhan breed in Banswara district	10	10
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total			10	10

Summary of technologies assessed under various enterprises by KVKs

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

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-NA

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				
Nutrition Management				
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
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I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

1. INTEGRATED CROP MANAGEMENT

Problem definition: Shedding of flowers and fruits and no use of growth regulators

Technology Assessed: Effect of auxin on growth of yield of chilli

KVK, Banswara assessed the technology of role of auxin on yield of chilli by application of 70:48:50 kg N, P₂O₅ and K₂O / ha + NAA @ 20 ppm at 35 and 50 DAT in Ujala hybrid of chilli. The results of this OFT is awaited.

Table : Effect of auxin on yield of chilli

Technology Option	No. of trials	Yield (t/ha)		Net Returns (Rs. in lakh./ha)
		2017	2018	
T ₁ – Application of NPK @ 70:48:50 kg N, P ₂ O ₅ , & K ₂ O / ha	5	Result awaited		
T ₂ – Application of T ₁ + NAA @ 20 ppm at 35 & 50 DAT				

2. NUTRIENT MANAGEMENT

Problem definition: Fruit cracking due to imbalanced fertilizer use and no use of zinc and boron

Technology Refined : Balanced nutrient management in tomato

KVK, Banswara refined the technology balanced nutrient management by application of 180:120:80 kg N, P₂O₅ and K₂O + foliar spray of Zn and B @ 100 ppm at 30 DAT & found that the same had enhanced the yield by 25.8 per cent over to farmer practice with no cracking and good quality fruits of tomato.

Table : Effect of balanced nutrient management on yield of tomato

Technology Option	No. of trials	Yield (q./ha)		Increase in Yield (%)	B:C Ratio
		2016	2017		
T ₁ . Farmers practice (120:80:0 kg N, P ₂ O ₅ and K ₂ O/ha)	5	581.2	Result awaited	--	
T ₂ . RDF (180:120:80 kg N, P ₂ O ₅ and K ₂ O)/ha		674.8		16.10	
T ₃ . Refined treatment (180:120:80 kg N, P ₂ O ₅ and K ₂ O + foliar spray of Zn and B@100 ppm at 30 DAT)		752.2		29.42	

3. Balance nutrient management

1. Problem definition: Imbalance use of fertilizers and no or negligible use of zinc in maize cultivation

2. Technology Refined : Balanced nutrient management in rabi maize

<i>Technology Option</i>	<i>No. of trials</i>	<i>Yield (q/ha)</i>			<i>Increase in Yield (%)</i>	<i>B:C Ratio</i>
		<i>2015-16</i>	<i>2016-17</i>	<i>Average</i>		
T ₁ - Farmers practice (110:60:0 kg N, P ₂ O ₅ and K ₂ O/ha)	5	40.33	51.26	45.80	-	1.59
T ₂ - Recommended dose of fertilizer (150:60:0 kg N, P ₂ O ₅ and K ₂ O + 25 kg zinc sulphate/ha)		49.69	58.72	54.21	18.36	1.79
T ₃ - Refined practice (150:60:30 kg N, P ₂ O ₅ and K ₂ O + 25 kg zinc sulphate/ha)		59.77	68.00	63.79	39.28	2.05

4. Balance nutrient management

1. **Problem definition:** Low use of organic manures and imbalance use of fertilizers in chilli

2. **Technology Refined :** Balanced nutrient management in hybrid chilli

<i>Technology Option</i>	<i>No. of trials</i>	<i>Yield (q./ha)</i>		<i>Increase in Yield (%)</i>	<i>B:C Ratio</i>
		<i>2015-16</i>	<i>2016-17</i>		
T ₁ - Farmers practice (110:40:0 kg N, P ₂ O ₅ and K ₂ O/ha and use of unfixed amount of FYM)	5	Crop failed due to heavy rainfall	Result awaited		
T ₂ - Recommended dose of fertilizer (70:48:50 kg N, P ₂ O ₅ and K ₂ O with 20 t FYM/ha)					
T ₃ - Refined practice (200:100:100 kg N, P ₂ O ₅ and K ₂ O with 15 t FYM/ha)					

5. Poultry management

1. **Problem definition:** Low body weight & less egg production

2. **Technology Refined :** Performance evaluation of Pratapdhan breed in Banswara district

<i>Technology Option</i>	<i>No. of trials</i>	<i>Egg production / year</i>		<i>(%) increase</i>	<i>B:C Ratio</i>
		<i>2017</i>	<i>2018</i>		
T ₁ - Farmers practice – Desi birds rearing under backyard	10	Result awaited			
T ₂ - Introduce of Pratapdhan birds					

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2015-16 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	Blackgram	ICM	HYV seeds and seed treatment	Establishment of seed bank	12	960	430
2	Gram	ICM	HYV seeds and seed treatment	Establishment of seed bank	9	280	75
3	Wheat	ICM	HYV seeds and seed treatment	Establishment of seed bank and create awareness about INM	6	200	95

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

b. Details of FLDs implemented during 2016-17 (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	Soybean (NMOOP)	ICM	HYV seeds, seed treatment, weed control	Kharif 2016	23	23	58	-	58	Nil
2	Soybean (RKVY)	ICM	HYV seeds, seed treatment, weed control	Kharif 2016	40	40	195	5	200	Nil
3	Blackgram (NFSM)	ICM	HYV seeds, seed treatment, weed control	Kharif 2016	20	20.4	50	-	50	Nil
4	Maize (ICAR)	ICM	HYV seeds, seed	Kharif 2016	20	20	44	6	50	Nil

			treatment, weed control							
5	Maize (TSP)	ICM	HYV seeds, seed treatment, weed control	Kharif 2016	20	20	50	-	50	Nil
6	Wheat (ICAR)	ICM	HYV seeds, seed treatment, weed control	Rabi 2016	10	10	25	-	25	Nil
7	Gram (NFSM)	ICM	HYV seeds, seed treatment, weed control	Rabi 2016	30	30	75	-	75	Nil
8	Rabi Maize (ICAR)	ICM	HYV seeds, seed treatment, weed control	Rabi 2016	10	10	25	-	25	Nil
9	Rabi Maize (TSP)	ICM	HYV seeds, seed treatment, weed control	Rabi 2016	20	20	50	-	50	Nil
	Total				193	193.4	572	11	583	

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					
Soybean (NMOOP)	Kharif 2016	Rainfed	Light black	L	M	M	Wheat / Summer green gram	26.6.16 to 29.6.16	20.9.16 to 1.10.16		
Soybean (RKVY)	Kharif 2016	Rainfed	Light black	L	M	M	Wheat / Summer green gram	28.6.16 to 30.6.16	29.9.16 to 1.10.16		
Blackgram (NFSM)	Kharif 2016	Rainfed	Light black	L	M	M	Wheat / Summer green gram	29.6.16 to 4.7.16	25.9.16 to 30.9.16		

Maize (ICAR)	Kharif 2016	Irrigated	Light black	L	M	M	Wheat / Summer green gram	30.6.16 to 3.7.16	7.10.16 to 15.10.16		
Maize (TSP)	Kharif 2016	Irrigated	Light black	L	M	M	Maize / black gram	14.7.16 to 16.7.16	12.10.16 to 9.10.16		
Wheat (ICAR)	Rabi 2016-17	Irrigated	Light black	L	M	M	Maize / black gram	18.11.16 to 21.11.16	14.3.17 to 20.3.17		
Gram (NFSM)	Rabi 2016-17	Irrigated	Light black	L	M	M	Maize / black gram	7.11.16 to 15.11.16	8.3.17 to 18.3.17		
Rabi Maize (ICAR)	Rabi 2016-17	Irrigated	Light black	L	M	M	Maize / black gram	7.11.16 to 15.11.16	Crop standing in field		

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	The blackgram variety PU-31 matured in 80-90 days period, The variety Azad-3 is resistant to yellow vein mosaic
2	Gram variety GNG-1581 performs well if timely sown under irrigated condition.

Farmers' reactions on specific technologies

S. No	Feed Back
1	Demonstrated varieties of blackgram are early maturing and high yielding and moderately resistant against high rain fall
2	Gram GNG-1581 matures in 120-125 days.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	11			
			16.9.16	37	
			19.9.16	54	
			21.9.16	35	
			22.9.16	58	
			23.9.16	81	
			24.9.16	82	
			28.9.16	86	
			3.3.17	82	
			4.3.17	47	
			9.3.17	78	
			17.3.17	52	
2	Farmers Training	1	22.6.16	70	

		1	23.6.16	126	
		1	27.6.16	20	
		1	5.7.16	41	
3	Media coverage	6			
4	Training for extension functionaries	-			

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	Tomato	Nursery raising & export potential	Hybrid seed	Rabi 2015-16	2.0	2.0	10	-	10	Nil
2	Onion	Export potential	Improved seed	Rabi 2015-16	2.0	2.0	10	-	10	Nil
3	Brinjal	Nursery raising & export potential	Hybrid seed	Rabi 2015-16	1.0	1.0	5	-	5	Nil
4	Chilli	Export potential	Hybrid seed	Zaid 2016	2.0	4.0	20	-	20	Nil
5	Okra	Off season vegetables	Hybrid seed	Zaid 2016	2.0	4.0	20	-	20	Nil
6	Long Melon	Grading & standardization	Improved seed	Zaid 2016	2.0	4.0	20	-	20	Nil
7	Tomato	Nursery raising & export potential	Hybrid seed	Rabi 2016-17	2.0	2.0	10	-	10	Nil
8	Onion	Export potential	Improved seed	Rabi 2016-17	2.0	2.0	10	-	10	Nil
9	Brinjal	Nursery raising & export potential	Hybrid seed	Rabi 2016-17	2.0	2.0	10	-	10	Nil
10	Chilli	Export potential	Hybrid seed	Zaid 2017	2.0	2.0	10	-	10	Nil
11	Okra	Off season vegetables	Hybrid seed	Zaid 2017	2.0	2.0	13	-	13	Nil
12	Long Melon	Grading & standardization	Improved seed	Zaid 2017	2.0	2.0	10	-	10	Nil
	Total				23	29	148		148	

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					
Tomato	Rabi 2014-15	Irrigated	Light black	L	M	M	Maize / Soybean	27.11.15 to 30.11.15	Fruit picking in different time & stage		
Onion	Rabi 2014-15	Irrigated	Light black	L	M	M	Maize / Soybean	29.11.15 to 5.12.15	30.3.16 to 28.4.16		
Brinjal	Rabi 2014-15	Irrigated	Light black	L	M	M	Maize / Soybean	28.11.15 to 3.12.15	Fruit picking in different time & stage		
Chilli	Zaid 2015	Irrigated	Light black	L	M	M	Maize	2.4.16 to 7.4.16	Fruit picking in different time & stage		
Okra	Zaid 2015	Irrigated	Light black	L	M	M	Maize	5.3.16 to 8.3.16	Fruit picking in different time & stage		
Long Melon	Zaid 2015	Irrigated	Light black	L	M	M	Maize	3.3.16 to 6.3.16	Fruit picking in different time & stage		

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Good variety
2	Application of potassium fertilizer should be promoted in vegetables

Farmers' reactions on specific technologies

S. No	Feed Back
1	Seed provided in all the demonstrations of vegetables is high yielding and gave quality fruits over existing local materials

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	1	22.12.16	44	
2	Farmers Training	1	22.6.15	43	
		1	14.9.15	36	
		1	26.10.15	49	
		1	2.11.15	43	

			12.3.16	52	
3	Media coverage	3			
4	Training for extension functionaries	-			

Performance of Frontline demonstrations

Frontline demonstrations 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										
Soybean (RKVY)	ICM	HYV seeds,seed treatment, Line sowing , weed control & pest mgt practices	JS-95-60	200	40	14.80	8.40	11.20	6.90	62.32	16500	35840	19340	2.17	14300	22080	7780	1.54
Soybean (NMOOP)	ICM	HYV seeds,seed treatment, line sowing weed control & pest mgt practices	JS-95-60	58	23	14.20	8.0	10.86	6.80	59.70	16500	34752	18252	2.10	14300	21760	7460	1.52

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										
Blackgram (NFSM)	ICM	HYV seeds,seed	PU-31	39	15.4	10.10	4.40	6.90	3.70	86.48	17300	40020	22720	2.31	16000	21460	5460	1.34

		treatment, line sowing weed control & pest mgt practices																
		HYV seeds,seed treatment, line sowing weed control & pest mgt practices	Azad-3	13	5.0	8.20	4.10	6.00	3.70	62.16	17300	34800	17500	2.01	16000	21460	5460	1.34
Chickpea	ICM	HYV seeds,seed treatment, line sowing weed control & pest mgt practices	GNG- 1581	75	30	24.6	14.2	18.32	11.23	63.13	31900	82440	50540	2.58	30000	50535	20535	1.68

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./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Wheat (ICAR) (Raj-4120)	ICM	HYV seeds,seed treatment, weed control	25	10	46.2	30.5	38.24	25.60	49.37			31700	61184	29484	1.93	30600	40960	10360	1.34
Maize (ICAR) DKC-7074	ICM	HYV	50	20	36.6	20.4	28.10	15.70	78.98			18700	37935	19235	2.03	16100	21195	5095	1.32

		seeds,seed treatment, weed control																	
Maize (TSP) DKC-7074	ICM	HYV seeds,seed treatment, weed control	50	20	35.5	18.90	27.80	15.60	78.21			18700	37530	18830	2.01	16100	21060	4960	1.31
Vegetables																			
Longmelon (Zaid-2016) Chandra	Grading & Standardization	HYV seed	20	4	195.2	122.3	161.6	123.5	30.85			59300	161600	102300	2.73	55700	123500	67800	2.22
Tomato (Rabi 2015-16) Dev	Nursery raising & export potential of vegetables	Hybrid seed	10	2	781	509	632.6	482.5	31.11			84900	316300	231400	3.73	75500	241300	165800	3.20
Chilli (Zaid 2016) Ujala	Export potential of vegetables	HYV seed	20	4	206.9	109.5	154.3	103.2	49.52			72100	308600	236500	4.28	68300	206400	138100	3.02
Brinjal (Rabi 2015-16) Chhaya	Nursery raising & export potential of vegetables	Hybrid seed	5	1	591.4	456.0	546.7	418.3	30.69			97600	273400	175800	2.80	93400	209200	115800	2.24
Okra (Zaid-2016) Shakti	Off season vegetables	Hybrid seed	20	4	197.2	92.8	142.6	80.3	77.58			56400	213900	157500	3.79	42800	120450	77650	2.81
Onion (Rabi 2015-16) AFLR	Export potential of vegetables	HYV seed	10	2	324.4	236.3	292.8	235.2	24.49			73400	175700	102300	2.39	69900	141100	71200	2.02

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Dairy																	
Poultry																	
	Animal Breeding Management	Pratapdhan	40	800	150	43	248.83	-	-	5890	13500	7610	2.29	4290	5500	1210	1.28

Sheep & Goat																	
	Animal Breeding Management	Sirohi Breeding Buck	10	10	30	25	34.25	-	-	900	66500	57500	7.38	7500	43750	36250	5.83
Vaccination																	

FLD on Fisheries : NIL

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
Composite fish culture																	
Feed Management																	

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)
Vermi Compost	Vermicompost production	8	8	Good quality organic manure prepared	Poor quality organic manure	-	-	-	5500	8500	3500	1.54	1100	1200	100	1.10

FLD on Women Empowerment: NIL

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
			-	-	-											

FLD on Other Enterprise: Kitchen Gardening: NIL

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 2016-17- NIL)*

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						
Cereal crop													
Vegetable crop													
Other (specify)													

III. Training Programmes

Farmers Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	2	-	-	-	96	5	101	96	5	101
Integrated Farming	9	-	-	-	302	-	302	302	-	302
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	5	-	-	-	287	-	287	287	-	287
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total	16				685	5	690	685	5	690
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables	1	-	-	-	30	-	30	30	-	30
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	1	-	-	-	37	3	40	37	3	40
Others (pl specify)										
Total (a)	2	-	-	-	67	3	70	67	3	70
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	5	-	-	-	247	-	247	247	-	247
Cultivation of Fruit	1	-	-	-	22	3	25	22	3	25
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards	1	-	-	-	53	-	53	53	-	53
Plant propagation techniques										
Others (pl specify)										
Total (b)	7				322	3	325	322	3	325
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)	9				389	6	395	389	6	395
III Soil Health and Fertility Management										
Soil fertility management	1	-	-	-	25	4	29	25	4	29
Integrated water management	1	-	-	-	33	-	33	33	-	33
Integrated Nutrient Management	2	-	-	-	61	18	79	61	18	79
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	4				119	22	141	119	22	141
IV Livestock Production and Management										
Dairy Management										
Poultry Management	4	-	-	-	138	-	138	138	-	138
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	1	-	-	-	27	-	27	27	-	27
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total	5				165	-	165	165	-	165
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques	2	-	-	-	91	3	94	91	3	94
Value addition	3	-	6	6	1	71	72	1	77	78
Women empowerment	1	-	-	-	-	23	23	-	23	23
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	6	-	6	6	92	97	189	92	103	195
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	1	-	-	-	31	3	34	31	3	34
Integrated Disease Management										
Bio-control of pests and diseases										

Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	1				31	3	34	31	3	34
VIII Fisheries										
Integrated fish 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										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	41	-	6	6	1481	133	1614	1481	139	1620

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	2	-	-	-	45	44	89	45	44	89
Resource Conservation Technologies	1	-	-	-	28	2	30	28	2	30
Cropping Systems										
Crop Diversification	2	-	-	-	52	22	74	52	22	74
Integrated Farming										
Micro Irrigation/irrigation	1	-	-	-	21	22	43	21	22	43

Seed production	1	-	-	-	27	15	42	27	15	42
Nursery management										
Integrated Crop Management										
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total	7	-	-	-	173	105	278	173	105	278
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	2	-	-	-	43	23	66	43	23	66
Others (pl specify)										
Total (a)	2	-	-	-	43	23	66	43	23	66
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	1	-	-	-	25	7	32	25	7	32
Cultivation of Fruit	1	-	-	-	24	7	31	24	7	31
Management of young plants/orchards										
Rejuvenation of old orchards	1	-	-	-	20	14	34	20	14	34
Export potential fruits	1	-	-	-	12	16	28	12	16	28
Micro irrigation systems of orchards	1	-	-	-	33	3	36	33	3	36
Plant propagation techniques										
Others (pl specify)										
Total (b)	5	-	-	-	114	47	161	114	47	161
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	1	-	-	-	18	8	26	18	8	26
Others (pl specify)										
Total (c)	1	-	-	-	18	8	26	18	8	26
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	1	-	-	-	26	15	41	26	15	41
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	1	-	-	-	26	15	41	26	15	41
GT (a-g)	9	-	-	-	201	93	294	201	93	294
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	1	-	-	-	27	2	29	27	2	29
Production and use of organic inputs	3	-	-	-	79	71	150	79	71	150
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										

Balance use of fertilizers	1	-	-	-	17	33	50	17	33	50
Soil and Water Testing	1	-	-	-	36	9	45	36	9	45
Others (pl specify)										
Total	6	-	-	-	159	115	274	159	115	274
IV Livestock Production and Management										
Dairy Management										
Poultry Management	1	-	-	-	32	10	42	32	10	42
Piggery Management										
Rabbit Management										
Animal Nutrition Management	2	-	-	-	40	66	106	40	66	106
Disease Management	2	-	-	-	40	15	55	40	15	55
Feed & fodder technology	1	-	-	-	32	18	50	32	18	50
Production of quality animal products										
Others (pl specify)										
Total	6	-	-	-	144	109	253	144	109	253
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques	1	-	-	-	28	18	32	28	18	32
Value addition	1	-	-	-	21	6	27	21	6	27
Women empowerment										
Location specific drudgery reduction technologies	1	-	-	-	8	17	25	8	17	25
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	3	-	-	-	57	41	98	57	41	98
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	4	-	-	-	109	34	143	109	34	143
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	4	-	-	-	109	34	143	109	34	143
VIII Fisheries										
Integrated fish 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										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	35	-	-	-	843	497	1340	843	497	1340

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	2	-	-	-	45	44	89	45	44	89
Resource Conservation Technologies	1	-	-	-	28	2	30	28	2	30
Cropping Systems										
Crop Diversification	4	-	-	-	148	27	175	148	27	175
Integrated Farming	9	-	-	-	302	-	302	302	-	302
Micro Irrigation/irrigation	1	-	-	-	21	22	43	21	22	43
Seed production	1	-	-	-	27	15	42	27	15	42
Nursery management										
Integrated Crop Management	5	-	-	-	287	-	287	287	-	287
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total	23	-	-	-	858	110	968	858	110	968
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables	1	-	-	-	30	-	30	30	-	30
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	3	-	-	-	80	26	106	80	26	106

Others (pl specify)										
Total (a)	4	-	-	-	110	26	136	110	26	136
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	6	-	-	-	272	7	279	272	7	279
Cultivation of Fruit	2	-	-	-	46	10	56	46	10	56
Management of young plants/orchards										
Rejuvenation of old orchards	1	-	-	-	20	14	34	20	14	34
Export potential fruits	1	-	-	-	12	16	28	12	16	28
Micro irrigation systems of orchards	2	-	-	-	86	3	89	86	3	89
Plant propagation techniques										
Others (pl specify)										
Total (b)	12	-	-	-	436	50	486	436	50	486
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	1	-	-	-	18	8	26	18	8	26
Others (pl specify)										
Total (c)	1	-	-	-	18	8	26	18	8	26
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	1	-	-	-	26	15	41	26	15	41
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	1	-	-	-	26	15	41	26	15	41
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management	1	-	-	-	25	4	29	25	4	29
Integrated water management	1	-	-	-	33	-	33	33	-	33
Integrated Nutrient Management	3	-	-	-	88	20	108	88	20	108
Production and use of organic inputs	3	-	-	-	79	71	150	79	71	150
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers	1	-	-	-	17	33	50	17	33	50
Soil and Water Testing	1	-	-	-	36	9	45	36	9	45
Others (pl specify)										
Total	10	-	-	-	278	137	415	278	137	415
IV Livestock Production and Management										
Dairy Management										
Poultry Management	5	-	-	-	170	10	180	170	10	180
Piggery Management										
Rabbit Management										
Animal Nutrition Management	2	-	-	-	40	66	106	40	66	106
Disease Management	3	-	-	-	67	15	82	67	15	82
Feed & fodder technology	1	-	-	-	32	18	50	32	18	50
Production of quality animal products										
Others (pl specify)										
Total	11	-	-	-	309	109	418	309	109	418
V Home Science/Women empowerment										
Household food security by kitchen gardening										

and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques	3	-	-	-	119	21	140	119	21	140
Value addition	4	-	6	6	77	22	99	83	22	105
Women empowerment	1	-	-	-	-	23	23	-	23	23
Location specific drudgery reduction technologies	1	-	-	-	8	17	25	8	17	25
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	9	-	6	6	204	83	287	210	83	293
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	5	-	-	-	140	37	177	140	37	177
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	5	-	-	-	140	37	177	140	37	177
VIII Fisheries										
Integrated fish 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										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										

Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	76	0	6	6	1639	625	2264	1639	631	2270

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	-	-	-	22	-	22	22	-	22
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	1	-	-	-	34	-	34	34	-	34
Quail farming										
Piggery										
Rabbit farming										
Poultry production	2	2	-	2	45	-	45	47	-	47
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	4	2	0	2	101	0	101	103	0	103

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	-	-	-	22	-	22	22	-	22
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	1	-	-	-	34	-	34	34	-	34
Quail farming										
Piggery										
Rabbit farming										
Poultry production	2	2	-	2	45	-	45	47	-	47
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	4	2	0	2	101	0	101	103	0	103

Training programmes for Extension Personnel 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
Productivity enhancement in field crops	1	40	-	40	23	-	23	63	-	63
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	1	5	-	5	16	-	16	21	-	21
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	2	45	-	45	39	-	39	84	-	84

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										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL										

Training programmes for Extension Personnel 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
Productivity enhancement in field crops	1	40	-	40	23	-	23	63	-	63
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	1	5	-	5	16	-	16	21	-	21
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Improved cultivation techniques of bio-fuel plants										
TOTAL	2	45	-	45	39	-	39	84	-	84

Table. Sponsored training programmes

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										
Increasing production and productivity of crops	12	-	-	-	352	-	352	352	-	352
Commercial production of vegetables										
Production and value addition										
Fruit Plants	5	-	-	-	247	-	247	247	-	247
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total	17	-	-	-	599	-	599	599	-	599
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	2	-	-	-	80	-	80	80	-	80
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total	2	-	-	-	80	-	80	80	-	80
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	19	0	0	0	679	0	679	679	0	679

Name of sponsoring agencies involved: ARYA

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										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
Repair and maintenance of farm machinery and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total										

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services		1162	130	1292
Diagnostic visits	12	77	-	77
Field Day	11	680	28	708
Group discussions	-			
Kisan Ghoshthi	6	1800	21	1821
Film Show	26	1196	72	1268
Self -help groups	-			
PMFBY Kisan Mela (4.4.16)	1	830	80	910
Exhibition	2	1305	12	1317
Scientists' visit to farmers field	23	188	22	210
Plant/animal health camps	2	116	8	124
Farm Science Club	-			
Ex-trainees Sammelan	3	159	12	171
Farmers' seminar/workshop	2	150	14	164
Method Demonstrations	21	1116	38	1154
Celebration of important days				
Swatchhta Day (22.10.16)	1	36	3	39
World Food Day (16.10.16)	1	146	5	151
Parthenium Week (16-22.08.16)	1	41	5	46
Van Mahotsav (8.8.16)	1	42	15	97
National Voters Day (25.1.17)	1	88	7	95
National Science Day (28.2.17)	1	70	6	76
Pre-Kharif Sammelan	1	122	5	127
Special day celebration				
KVK Foundation Day (12.2.16)	1	180	15	195
Exposure visits				
Others (pl. specify)			2	402
Night Camp	1	400		
Farmers Visit to KVK	1299	1299	21	1320
Lectured delivered in other programmes	49	1490	-	14990
Rajasthan Kheti Pratap Membership	-	39	-	39
Soil Test Campaign	2	68	19	87
Swatcha Bharat Abhiyaan	1	36	3	39
Total	1388	5598	178	19316

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	-
News paper coverage	50
Popular articles	
Radio Talks	3
TV Talks	
Animal health camps (Number of animals treated)	932
Others (Folders)	8
Article	4
Research paper	3
Total	

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Banswara	Text only						1	1
	Voice only							
	Voice & Text both							
	Total Messages						1	
	Total farmers Benefitted						1677	1677

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
KVK, Banswara	Gosthies			
	Lectures organised			
	Exhibition	1	35	Livestock technology
	Film show			
	Fair			
	Farm Visit	1	60	Seed production technology
	Diagnostic Practicals			
	Distribution of Literature (No.)	6	60	Crops, vegetables & livestock
	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	2	85	

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	Wheat (FS to CS)	Raj-4120		70.0		Deposited in RSSC, Banswara
Oilseeds	Soybean (BS to FS)	RKS-24		33.70		Deposited in RSSC, Banswara
	Linseed (TL)	PL-2		1.95	19500	18
Pulses	Gram (BS to FS)	PC-1		23.40		Deposited in RSSC, Banswara
Total				129.05	19500	

Commercial Production

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Vegetables (Fruits)	Tomato		Dev	1.888	1880	32
	Onion	AFLR		0.50	500	10
	Brinjal		Chhaya	1.0	1000	50
Crop Straw	Soybean	RKS-24		30	4500	1
	Gram	PC-1		22	4500	1
Fruits	Mango	Mallika, Langra, Dashehari, Kesar, Chausa etc.		27.8	71786	455

	Guava	L-49, Allahabad Safeda		54	135101	946
	Lemon	Kagzi		1.5	3000	62
	Aonla	NA-7, Banarasi		2.1	2100	271
	Sapota	Kali Patti		2.0	2000	28
Total				136.68	226367	1856

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
Vegetable seedlings	Chilli Seedling	Ujala		100	200	2
	Tomato Seedling	Dev		560	1120	8
Fruits (Saplings)	Mango (Grafted)	Mallika, Langra, Dashehari, Kesar, Amrapali etc.		5266	210640	400
	Mango (Scion)	Mallika, Dashehari		600	3000	4
	Guava (Air Layering)	L-49		6001	210035	252
	Guava (Seeded)	L-49		3641	72820	36
	Lemon (Air Layering)	Kagzi		2558	89530	516
	Lemon (Seeded)	Kagzi		543	10860	52
	Papaya	Red Lady-786		5030	100600	102
	Aaonla (Budded)	NA-7		29	1160	4
	Sapota (Grafted)	Kali Patti		41	1610	10
	Pomegranate (Cutting)	Mradula		120	2400	24
Ornamental plants	Rose (Cutting)	Ganganagri Red		145	2900	30
	Marigold (Seedling)	Pusa narangi, Pusa basanti		360	180	7
Total				24994	707055	1447

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		q./kg		
	Vermicompost (Organic manure)	51.65 q	25825	18
Bio Fertilizers	Verms (<i>Isonia foetida</i>)	15 kg	3750	10
Total			29575	28

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)	Pratapdhan	6362	524960	328
Japanese Quail				
Turkey				
Emu				
Ducks				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Total		9015	721200	450

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)	No. of soil health cards distributed
Soil	486	480	31	4860	486
Water	4	4	2	40	4
Total	490	484	33	4900	490

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
BANSWARA	23.01.2017	31

IX. NEWSLETTER/MAGAZINE

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

X. PUBLICATIONS

Category	Number
Research Paper	3
Technical bulletins	1
Technical reports	
Others : Folder	8
Others : Article	2

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

Activities conducted – NA.				
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-NA

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No. of participants
Total		

Animal health camps organised

Number of camps	No. of animals	No. of farmers

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Total		

Awareness campaign

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

III. 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	Name of Participants	No. of KVKs involved
Institute of Training DoR, MPUAT, Udaipur	Winter School on Exploitation of under utilized fruits Arid & Semi-Arid Region	1	Dr.B.S.Bhati	KVK, Banswara
Gandhi Ground, Udaipur	Divisional Level Exhibition	2	Dr.R.L.Soni Dr.G.L.Kothari	KVK, Banswara
MPUAT Smart Village Chhali	Governor Visit	1	Dr.G.L.Kothari	KVK, Banswara
Deptt. of Ext.Edu., RCA, Udaipur	Winter School on innovations in educational technology	1	Dr.R.L.Soni	KVK, Banswara
Vanasthali Vidhyapeeth, Tonk	State level mid review & planning workshop	1	Dr.Ranjeet Singh	KVK, Banswara
DEE, MPUAT, Udaipur	Backstopping training course on good agricultural practices	2	Dr.Ranjeet Singh Dr.B.S.Bhati	KVK, Banswara
RCA, Udaipur	National Conference on Perspectives & Challenges in agricultural education , research & development organized by Agriculture University teachers association in collaboration with MPUAT, Udaipur	1	Dr.Ranjeet Singh	KVK, Banswara
Total		9		

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

Title of the training programmes	No. of programmes	Name of Participants	No. of KVKs involved
Review meeting of ARYA	One	Dr.R.L.Soni	KVK, Banswara
Group meeting on pulses under NFSM	One	Dr.B.S.Bhati	KVK, Banswara
Total	Two		

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

Name of the KVK : Banswara

A. TITLE:

BACKYARD POULTRY FARMING OF PRATAPDHAN BREED: A LESS CAPITAL ENTERPRISES

The population of Banswara district is tribal dominated. Having more than 70% tribal and land less labourer suffering from mal nutrition. As they are non vegetarian in nature so to supplement their nutritional level poultry is best source among them. At present more than 3 lakhs poultry birds are reared in backyard system in form of local desi birds having only 43 eggs laying capacity and weight of male cock is about 1.2 kg. So these birds are not fulfilling their requirement of home consumption and income generation activities.

Intervention / technology: According to a participatory rural appraisal based study conducted in selected villages of the district. There is a wide gap between production and demand for poultry meat and eggs. Fourty farmers from these selected villages were identified and imparted training on various aspects of backyard poultry farming. A newly developed poultry hybrid breed Pratapdhan was given in FLD programmes through KVK, the Pratapdhan is a dual purpose chicken which morphologically resembles the native chicken but produce more eggs and is heavier in body weight, silent features pattern, as rural people like coloured birds from aesthetic point of view and better looking, because of colour plumage birds have camouflagic characters to protect themselves from predates. Longer shank length also helps in self protection from predators in backyard areas.

Salient Features of Technology:

- Attractive multicolour feather pattern, as rural people like coloured birds from aesthetic point of view and better looking. Because of colour plumge birds have camouflagic characters to protect themselves from predators.
- Longer shank length which help in self protection from predators in backyard areas.
- Good adaptability in backyard / free range, it has good immune competence as there is lack of availability of good quality food and drinking water, the birds have to roam into dirty surround in reach search of food. Further it has capacity to survive on low plane of nutrition (low and negligible input) and harsh climatic condition.
- Produce brown shell eggs.
- Has broody characteristics.
- Fast growth rate with average adult body weight at 20 weeks of age ranged from 1478 to 3020 gm in males and 1283 to 2736 gm. in females.
- Higher egg production of 161, which is 274% higher the local native (43 eggs)

Output: Due to easy accessibility of eggs at doorstep other farmers can also start the enterprise conveniently it has generated employment opportunities for rural youth and farmers were enriched with sound knowledge on commercial farming of Pratapdhan breed. The venture has successfully generated average income from

per unit Rs. 13500.00 per year from 20 birds unit from sale of birds and eggs and local birds non-descript were upgraded due to cross breeding through improved breed.

As compared to local birds farmers income is increased from egg production as well as sale of birds:

Parameters	Pratapdhan	Local	% increase over local poultry
Body weight at 8 weeks age (g)	618	400	54.5
Body weight at 20 weeks age (g) male	2309	1230	87.72
Body weight at 20 weeks age (g) female	1734	1015	70.83
Weight of cocks (kg)	3.20	2.10	52.38
Weight of layers (kg)	2.10	1.35	35.74
egg weight (g)	52	39	33.33
Annual egg production (No.)	150	43	248.83

Economic feasibility : In FLD of Pratapdhan unit in field unit economics are as follows:

A.	Parameters	Expenditure (Rs.)
	Input of units 6 weeks old chicks (20 birds)	1600
	Kitchen waste and grain to be used as poultry feed @ 0.50 paise/bird/day) [Rs. 10 x 365]	3650
	Housing	400
	Average cost of medicine/ vaccination Rs. 20/month	240
	Equipments (earthen feeder & watered)	0
	Total Cost	5890
B	Output of unit	
	Number of eggs produced @ 150 eggs/bird/year	
	10 birds x 150 eggs = 1500 eggs	
	value of eggs produced Winter @ Rs. 15/egg Summer @ Rs. 5/egg Average @ rs. 8/egg	12000
	Average value of birds sold (3 x 500)	1500
	Mortality 3 birds died (@ 15%)	
	Total Output	13500
	Net profit per unit	7610
	B:C Ratio	1:2.29

Impact: At present the technology of Pratapdhan breed in Banswara district demand of birds are very high feedback of farmers as faster growth of birds, more numbers of bigger size eggs, thrives well under low input system, resistance of disease and requires small space,



minimum labour force and investment. After the high demand from farmers



KVK, Banswara established a brooder unit at KVK, farm and supply is six weeks age vaccinated chicks to farmers. Since July, 2014 to till date from this unit 25000 chicks were provided to the

farmers and NGOs for rearing backyard poultry system in the district. 1250 farmers are rearing Pratapdhan birds and other farmers bring chicks from Udaipur farmers earn extra income of about Rs. 13000 – 15000 from Pratapdhan birds per unit.

B. TITLE :

ECONOMIC EMPOWERMENT OF TRIBAL FAMILIES THROUGH HYBRID TOMATO CULTIVATION

- Vegetable cultivation is main source of livelihood for tribal farmers but declining production and income was a cause of great worry.
- Introduction of hybrid tomato production may increase the livelihood.
- To introduce hybrid tomato- Dev among tribal farmers, 40 tribal farmers were selected and each farmer was provided 40 g seed of variety Dev to farmer.
- Tribal farmer Bapulal packed his books from the school compound after class VI. From then onwards he was involved in farming activities of his family. But was not satisfied with the income from traditional farming.
- Income from traditional crop alone is not sufficient for meeting total requirements of the family because of small size holding, declining productivity due to various reasons and unstable price of commodity.

KVK intervention :

- ❖ Each selected farmers were trained at KVK, Banswara in improved tomato production technology before providing them demonstration of hybrid variety seed.
- ❖ All relevant information for cultivation of this remunerative crop was given under the supervision of KVK scientists.
- ❖ Transplanting was done in the month of October
- ❖ Balance nutrient management with proper plant protection measures were adopted.
- ❖ Hands on experience was provided for techniques like azola cultivation and vermicomposting.

Output

- ❖ **Outcome:** Higher yield of 148 q. obtained from 0.2 ha piece of land only.
- ❖ Gross income of Rs. 89,000 of from 0.2 ha in one season compare to local variety Rs. 30,000.

Impact :

- Secure their livelihood and to overcome with malnutrition problem.
- Reduction in migration of land less farmers
- Improved living & social status of tomato growers in the society

- Few farmers have started to built their pakka houses and started to send their children in English medium school from the earnings of tomato.
- By Seeing the economic empowerment of Sh. Bapulal / Rama through vegetable cultivation, many marginal farmers in the surrounding villages started vegetable cultivation in their fields.
- Apart from the enhanced income levels, significant improvement was seen in the food and nutritional security of the family members, especially children.
- Effective utilization of natural, human & social capital.



Success points

- Farmers are ready to accept variety Dev because it is high yielder as compare to local.
- Less fruit cracking.
- Good fruit firmness and quality
- The crop was raised on trellis which also increased yield and maintained quality of fruits.
- Crop health was regularly monitored with help of scientists.
- Handling in product specific crates/bags, sorting and grading also fetched better price.

XIII. STATUS REVOLVING FUNDS

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2014 to March 2015	911850.71	1997291	974716	222575.71
April 2015 to March 2016	222575.71	2726377	1607753	1341199.71
April 2016 to March 2017	1341199.71	2153706	169473.44	1798432.27