# DETAILS OF ACTION PLAN OF KVK, Banswara DURING 2017-18

(1<sup>st</sup> April, 2017 to 31<sup>st</sup> March, 2018)

#### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephor	)e	E mail	Website	
Krishi Vigyan Kendra, Borwat Farm, Banswara	Office	FAX	kvkbanswara@	www.mpuat.ac.in	
(Raj.) 327001	02962-260069	02962-260069	gmail.com		

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

Address	Teleph	one	E mail	Website	
	Office	FAX			
Directorate of Extension Education, MPUAT, Udaipur	0294-2417697	0294-2412515	deempuatudr@g mail.com, deempuatudr@ya hoo.com	www.mpuat.ac.in	

#### 1.2.b. Status of KVK website : Yes/No : No

#### 1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : No

#### 1.2.d Status of ICT lab at your KVK : No

#### 1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact						
Dr. B.L. Soni	Office	Mobile	Email				
DI. R.L. 3011	02962-260069	9636792255	kvkbanswara@gmail.com				

#### 1.4. Year of sanction: 1983

## 1.5. Staff Position (as on 31 Oct. 2016)

SI. No.	Sanctioned	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs. <mark>)</mark>	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. R.L. Soni	Sr. Scienti st & Head	Agricul ure Extensi n Educat on	7400- 7000	9000	53820	18-9-2007	Temporary	OBC	96367922 55	kvkbansw ara@gmai l.com	
2	Scientist	Dr. Ranjeet Singh	Scienti st	Soil Science	5600- 9100	7000	27750	6-7-2006	Temporary	OBC	94146049 02	ranjeetsin gh1970@ gmail.com	
3	Scientist	Dr. H.L. Bugalia	Scienti st	Animal Science	5600- 9100	6000	22250	31.12.201 1	Temporary	OBC	90015907 01	kvkbansw ara@gmai l.com	

4	Scientist	Dr. B.S.Bhati	Scienti st	Horticu ture	5600- 9100	6000	21600	25.6.2013	Temporary	Others	98294229 93	bhati.bsbi kaner@g mail.com	
5	Scientist	Vacant	Scienti st	Agronc my	) -		-	-	-	-	-		
6	Scientist	Vacant	Scienti st	Fisherie s	6	-	-	-	-	-	-		
7	Scientist	Vacant	Scienti st	Home Science	-		-	-	-	-	-		
8	Program me Assistant	Dr. G.L. Kothari	STA	Agricul ure Extensi n Educat on	5600- 9100	6000	31850	20-2-1990	Temporary	Others	94147862 56	kvkbansw ara@gmai l.com	
9	Farm Manager	Vacant	T.A.	Agricul ure	ť								
10	Comput er Program mer	Mrs. Rashmi Dave	T.A.	Home Science	300 - 4800	4800	20770	13-8-2003	Temporary	Others	94605844 23	kvkbansw ara@gmai I.com	A A A A A A A A A A A A A A A A A A A
11	Account ant / superint endent	Vacant	Accou ntant	-			-	-	-	-	-		
12	Stenogra pher	Sh. Devi Lal	LDC Grade II	-	200 - 0200	3600	15310	24.2.1980	Temporary	OBC	91664080 40	kvkbansw ara@gmai l.com	
13	Driver	Sh. Vithla	Driver	-	300 - 4800	3600	21520	22-12- 1978	Temporary	SC	94604102 41	kvkbansw ara@gmai l.com	
14	Driver	Vacant	Driver	-		-	-	-	-	-	-		
15	Supporti ng staff	Sh. Goverdhan Lal	Suppo rting Staff	-	200 - 0200	2000	11600	18-10- 1979	Temporary	OBC	94611183 83	kvkbansw ara@gmai l.com	
16	Supporti ng staff	Sh. Hemraj	Suppo rting Staff	-	200 - 0200	1750	10210	3-1-1989	Temporary	OBC	94605213 35	kvkbansw ara@gmai I.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	4.50				
4.	Horticulture	6.00				
5.	Pond	0.20				
6.	Others if any	0.61				

# 1.7. Infrastructural Development:

# A) Buildings

		Source of			Stag	je				
S.		funding		Complete		Incomplete				
No.	Name of building		Completion Year	Plinth area (Sq.m)	Expenditure (Rs. Lac)	Starting year	Plinth area (Sq.m)	Status of construction		
1.	Administrative Building	ICAR	1988	441.85	Constructed by EC	D and handed o	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	-	-	-	-		
9	Poultry	ICAR	2014	-	-	-	-	-		

# B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2007	500000	256825	Running
Motor Cycle	2004	27000	96185	Running
Motor Cycle	2011	50000	37479	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 of SAC meetings conducted in the year

SI.No.		Date
1.	Scientific Advisory Committee	03.03.2016

d`f"k foKku dsUnz ckalokMk ds lHkkxkj esa dsUnz dh okf"kZd oSKkfud lykqdkj lfefr dh cSBd 3 ekpZ] 2016 dks egkjk.kk izrki d`f"k ,oa izkS|ksfxdh fo'ofo|ky;] mn;iqj ds izlkj f'k{kk funs'kd MkW- th-,l-frokjh dh v/;{krk esa lEiUu gqbZA cSBd esa MkW-frokjh us crk;k fd Ñf"k foKku dsUnz] ckalokM+k }kjk fd, x, dk;Z vuqdj.kh; ,oa fdlku fqrdkjh qSa rFkk Ñf"k rduhdksa ds ekWMy LFkkfir dj fdlkuksa dks bldk ykHk igqapk,aA mUgksaus lq>ko fn;k fd izkÑfrd lalk/kuksa dk leqfpr mi;ksx gks ,oa uohu rduhdksa dks fdlkuksa rd igqapk dj vf/kd ls vf/kd fdlkuksa dks ykHkkfUor djsaA cSBd ds izkjEHk esa ofj"B oSKkfud ,oa izHkkjh MkW-vkj-,ylksuh us vkxUrqd vfrfFk;ksa dk Lokxr djrs gq, d`f"k foKku dsUnz dk o"kZ 2015&16 dk okf"kZd dk;Z izfrosnu ,oa o"kZ 2016&17 ds izLrkfor dk;ZØeksa dh foLr`r tkudkjh nhA cSBd esa fof'k"V lykgdkj ds :Ik esa `kkfey iz/kku oSKkfud] vVkjh] tks/kiqj MkWih-ih- jksfgYyk us d`f"k foKku dsUnz }kjk fd, dk;ksZa dh iz'kalk djrs gq, dgk fd ekWMy xzke cuk,a ftlls lkjh rduhdsa ,d lkFk LFkkukUrfjr gks lds ,oa fdlkuksa esa feV~Vh ijh{k.k ds fy, vf/kdkf/kd tkx#drk ds iz;kl djsaA {ks=h; funs'kd vuqla/kku MkWih-ds jksdfM+;k us lq>ko fn;k fd izFke iafDr izn'kZuksa esa lEiw.kZ rduhdh gLrkUrj.k dj ml ij lQyrk dh dgkuh cuk dj izpkj&izlkj djsa ftlls vf/kd ls vf/kd fdlku ykHkkfUor gks ldsa lkFk gh mUgksaus dgk dsUnz }kjk [ksr ij fd, x, dk;ksZa esa lEiw.kZ rduhdksa dk lekos'k ,d lkFk fd;k tk,A Ñf"k vfHk;kaf=dh egkfo|ky; ds vkpk;Z MkW- ,-ds-esgrk us lq>ko fn;k fd vk/kqfud Ñf"k midj.kksa ds lapkyu] j[kj[kko ,oa lqj{kk izca/kuksa ij izf'k{k.k fn;s tk,a ftlls Ñf"k ;a=ksa dk csgrj mi;ksx ,oa ng?kZVukvksa ls cpko qks ldsA MkW-ohih-lSuh vkpk;Z eRL; foKku mn;iqj us eNyh ikyu dks ftys dk lcls ykHkdkjh O;olk; crk;k ,oa mUgksaus dgk fd LFkkuh; miyC/k izkd`frd lalk/kuksa dk mfpr mi; ksx dj  $\tilde{N}''$ kdksa dks bl ckjs esa vkxs c<+kuk pkfg, ftlls mudh vkenuh c<+ ldsA vkpk;Z 'kL; foKku MkW-ih-lh-piyksr us Hkh vius lq>koksa ls ykHkkfUor fd;kA

cSBd	esa	fuEu	vf/	'kdkfj;ksa	,oa	izfrfuf/	/k;ksa	us	Hkkx	fy;k&	
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la-		
1	MkW- th-,l-	funs'kd] izlkj f'k{kk funs'kky;] e-iz-Ñ-
	frokjh	izkS-fo-fo-] mn;iqj
2	MkW-ih-ih-	iz/kku oSKkfud vVkjh tks/kiqj
	jksfgYyk	
3	MkW- ih-ds-	{ks=h; funs'kd] d`f"k vuqla/kku dsUnz]
	jksdfM;k	ckalokM+k
4	MkW-,-ds-esgrk	foHkkxk/;{k]QkeZ e'khujh] d`f"k
		vfHk;kaf=dh egkfo ky;] mn;iqj
5	MkW- ih-lh-	vkpk;Z `kL; foKku] izlkj f'k{kk funs'kky;]
	piyksr	mn;iqj
6	MkW-ohih-lSuh	vkpk;Z eRL; foKku] ekRL;dh egkfo ky;]
		mn;iqj
7	MkW- vkj-ds-	mifuns'kd] d`f"k foLrkj] ckalokM+k
	tkjksyh	
8	MkW- ,p- ds-	mifuns'kd] cht izek.khdj.k] ckalokM+k
	f=osnh	
9	MkW- ykypUn	i'kq fpfdRlk vf/kdkjh
10	Jh ch-,l-jkBkSM+	izca/kd] Ms;jh] ckalokM+k
11	Jh 'kkfUryky	lgk;d funs'kd] m ku] ckalokM+k
	Mkeksj	
12	Jh vkj-ds- oekZ	mi funs'kd] vkRek] ckalokM+k
13	Jh lqjs'k feJk	ts-ds-ih-lh-,y-] otk[kjk] ckalokM+k
14	Jh ftrsUnz dqekj	fjyk;al Qkm.Mslu] ckalokM+k
	pkS/kjh	
15	Jh y{e.k pjiksVk	izxfr'khy d`"kd
16	Jh j.kNksM+ flag	izxfr'khy d`"kd
	lksyadh	
17	MkW- j.kthr flag	oSKkfud] e`nk foKku Ñf"k foKku dsUnz]
		ckalokM+k
18	MkW-,p-,y-	oSKkfud] i'kq mRiknu] Ñf"k foKku dsUnz]
	cqxkfy;k	ckalokM+k
19	MkW-ch-,l-HkkVh	oSKkfud] m ku foKku] Ñf"k foKku dsUnz]
		ckalokM+k
20	MkW- th-,y-	ofj"B rduhdh lgk;d ¼izlkj½] dsohds]
	dksBkjh	ckalokM+k
21	MkW- iz'kkUr	lgk;d vkpk;Z] Nf"k vuqla/kku dsUnz]
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22	Jh ch-ds- iapky	dk;ZØe lgk;d] dsohds] ckalokM+k
23	Jh nsohyky	dtu"B fyfid] dsohds] ckalokM+k
24	MkW- vkj-,y-	ofj"B oSKkfud ,oa lfpo& oSKkfud lykgdkj
	⊥ksuh	lfefr] dsohds] ckalokM+k

# fnukad 03-03-2016 dks vk;ksftr oSKkfud lykgdkj lfefr dh cSBd esa fuEufyf[kr fu.kZ; fy, x,%

1- efgyk dkS'ky fodkl ,oa izlaLdj.k ij izf'k{k.k vk;ksftr dj mUgsa O;olk; ls tksM+us ds iz;kl fd;s tk;saA 2- iksYV<sup>a</sup>h ,oa vtksyk izn'kZuksa dk rF;kRed fo'ys"k.k dj mudh la[;k c<+kbZ tk;sA</pre> 3- ty cpr gsrq cwan&cwan o QOokjk flapkbZ i)fr;ksa ds iz;ksx djus o ty cpr gsrq izf'k{k.k vk;ksftr djsaA ty Iykou ds nq"izHkko o izca/ku ij izf'k{k.kksa dh la[;k c<+kbZ tk;sA 4- vlaLFkkxr izf'k{k.kksa dh la[;k c<+kbZ tk;sA 5- vkbZ-ih-,e- rdfudh dks izn'kZuksa esa `kkfey fd;k tk;sA 6-  $izxfr'khy \tilde{N}''kdksa dh la[;k c<+k;sa o mudh lQyrk dh dqkuh$ izdkf'kr djsaA 7- dsohds vius dk; Z {ks= esa ,d ekWMy xkao cukus rFkk rhu o"kZ i'pkr~ ml xkao esa rduhdksa ds izHkko dk fo'ys"k.k fd;k tk;sA 8- iz{ks= fnolksa dh la[;k c<+kbZ tk;sA 9- izf'k{k.kksa esa vkbZlhVh dk mi;ksx c<+k;k tkosA 10- e`nk tkap uewuksa dh la[;k c<+kbZ tk;sA 11- iz/kkuea=h Qly chek ;kstuk ds ckjs esa vf/kdkf/kd fdlkuksa rd tkudkjh igqapkbZ tk;sA 12- tSfod [ksrh ij izf'k{k.k c<+k;s tk,a rFkk thoka'k mRiknksa dk mRiknu c<+k;k tk;sA 13- Ñf"k vkStkj ,oa midj.kksa ds mfpr mi;ksx] j[kj[kko o mi;ksx] ds nkSjku lqj{kk lko/kkfu;ksa ij izf'k{k.k vk;ksftr fd, tk,aA 14- Ñf"k vkStkjksa dk dLVe gk;fjax csfll ij mi;ksx dks c<+kok fn;k tk;sA 15- vke mRiknu ij vkSj vf/kd izf'k{k.k fn;s tk;saA 16- Ñf"k foKku dsUnz ij yxk;s tk jgs ØkWi dsfQVsfj;k esa izpfyr lHkh fdLeksa dk lekos'k fd;k tk;sA 17- xkaoksa esa foyst ysoy dysD'ku lkslk;Vh ij Ms;jh ds izf'k{k.k vk;ksftr fd, tk,aA bu lq>koksa ij dsUnz }kjk fØ;kfUofr dh tk jgh gSA

#### 2. DETAILS OF DISTRICT

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				

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

# a) Soil type

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

# b) Topography

S. No.	Agro e	ecological situation	Characteristics	
1	AES-I		Sandy loam soil, medium rainfall, medium elevation	
2	AES-II		Medium black soil, high rainfall, medium elevation	
3	AES-II	1	Medium black soil, high rainfall, high elevation	
2.3	Soil	I Types		
S. N	o So	oil type	Characteristics	Area in (%)
1	M	edium black clay soil	Heavier and content high clay, high water holding capacity	10.50
2	2 Medium brown clay soil		and suitable for cotton and soybean	15.56
3	Μ	edium brown loamy soil		21.55
4	Μ	edium brown gravelly loam	Medium in clay and suitable for vegetables and most crops	13.48
5	Re	ed gravelly loamy hilly sols	Light soils, low water holding capacity and suitable for maize	3.75
6	M	edium red loamy	and pulses	21.39
7	Sh	nollow red gravelly loam	Lights soils	13.22

# 2.4. Area, Production and Productivity of major crops cultivated in the district (2015-16)

S. No	Сгор	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	24250	12997	5.36
2	Maize	12450	81747	6.56
3	Urd	11000	4024	3.66
4	Soybean	48600	29874	6.14
5	Cotton	7800	3285	4.21
6	Wheat	80965	206056	25.45
7	Barley	881	18254	20.72
8	Gram	11800	10738	9.10
9	Rabi Maize	28436	137915	48.50

Source: Deptt. of Agriculture, GoR, Banswara

# 2.5. Weather data (2016-17)

Month	Doinfall (mm)	Temperature ⁰C		Relative Humidity (%)	
Month	Rainiaii (mm)	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
Total	1394.1				

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

Category	Population	Production	Productivity			
Cattle						
Cattle	634771	450 lit/lactation	1.5 lit/day			
Cross Breed	5909	1350 lit/lactation	4.5 lit/day			
Buffalo	265630	750 lit/lactation	2.5 lit./day			
Sheep	7207	-	-			
Goats	460460	-	250 ml/day			
Pigs		-	-			
Crossbred	-	-	-			
Indigenous	125	-	-			

Rabbits	729	-	-
Poultry	•		
Hens	-	-	-
Desi	360290	30-40 eggs/year	-
Category		Production (Q.)	Productivity
Fish (Reservoir)	22000 ha	250 mt	100 kg/ha/yr

\*Source: Vital Statistics, GoR

# 2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Bagidora	Bagidora	Pateliya	Maize Wheat Soybean Vegetables Pulses	<ul> <li>Low yield of major cereals and pulses.</li> <li>Low seed replacement rate of pulses.</li> <li>Non descrpt breed of goat.</li> <li>Malnutrition in farm families.</li> </ul>	<ul> <li>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.</li> <li>Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Mallika, Kesar, Dasheri), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango.</li> <li>Improving the indigenous breeds of goat by breeding and management.</li> <li>Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean &amp; mango</li> </ul>
Sajjangarh	Sajjangarh	Goika Pargi, Goika baria, Rupgarh, Jalimpura, Kushalipada, Waka Khunta, Pandwal Lunja, Pandwal Oonkar	Maize Wheat Soybean Vegetables Pulses	<ul> <li>Low yield of major cereals and pulses.</li> <li>Low seed replacement rate of pulses.</li> <li>Non descript breed of goat.</li> <li>Malnutrition in farm families.</li> </ul>	<ul> <li>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.</li> <li>Improving the indigenous breeds of goat by breeding and management</li> <li>Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean &amp; mango.</li> <li>Exploring possibilities of aqua culture in tribal belt of Banswara.</li> <li>Promotion dry land farming technologies with emphasis on water harvesting</li> </ul>
Ghatol	Ghatol	Todi Simrol, Sita Talai, Amarthoon , Bhompada	Maize Wheat Soybean Vegetables Pulses	<ul> <li>Low yield of major cereals and pulses.</li> <li>Low seed replacement rate of pulses.</li> <li>Non descript breed of goat.</li> <li>Malnutrition in farm families.</li> </ul>	<ul> <li>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.</li> <li>Increasing the seed replacement rate through promotiong seed production techniques of self pollinated crops</li> <li>Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasheri), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango</li> <li>Improving the indigenous breeds of goat by breeding and management</li> <li>Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean &amp; mango</li> </ul>

# 2.8 Priority thrust areas

S.No.	Thrust area				
1	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				
2	Increasing the seed replacement rate through promotiong seed production techniques of self pollinated crops				
3	Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasheri), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango				
4	Promotion dry land farming technologies with emphasis on water harvesting				
5	Improving the indigenous breeds of goat by breeding and management				
6	Empowerment of women through drudgery reduction in agriculture and animals husbandry, improvement in the nutrition, health, hygiene and by using improve agricultural implements				
7	Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango				
8	Exploring possibilities of aqua culture in tribal belt of Banswara				

# 3. TECHNICAL PROGRAMME

# 3. A. Details of targeted mandatory activities by KVK

0	FT	FL	D
(1)		(2	2)
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
6	40	112	310

Training		Extension	Activities
(3)		(4	4)
Number of Courses	Number of Participants	Number of activities	Number of participants
70	2533	182	11356

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
120	50500	2 Crore	500

# 3. B. Abstract of interventions to be undertaken

			ldentified Problem		Interventions								
S. No	Thrust area	Crop/ Enterprise		Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.				
1	Balanced nutrient management	Onion	Imbalance fertilizer use and no use of Zinc	Balanced nutrient manageme nt in onion									
2	Balanced Nutrient management	okra	Imbalance use of fertilizer & no / or negligible use of zinc in okra cultivation	Balanced nutrient manageme nt in okra									

3	Balanced nutrient management	Chilli	Low use of organic manners and imbalance use of fertilizers	Balance nutrient manageme nt in hybrid chilli			
4	Use of growth harmon	Chilli	Shedding of flowers and frurits and no use of growth regulators	Effect of auxin on yield of chilli			
5	Poultry management	Pratapdhan	Low body weight & less egg production	Performanc e evaluation of Pratapdhan breed in Banswara district			
6	Poultry management	Existing breed	Low body weight gain & less egg production due to heat stress	Assessment the impact of Electrolytes to control heat stress condition in poultry			

# 3.1 Technologies to be assessed and refined

# A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseed s	Pulses	Commercia I Crops	Vegetables	Fruits	Flower	Plantatio n crops	Tuber Crop s	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management					1					1
Integrated Nutrient										
Management / Balance										
Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease										
Management										
Resource conservation										
technology										
Small Scale income										
generating enterprises										
TOTAL					1					1

Thematic areas	Cereals	Oilseed s	Pulses	Commercia I Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crop s	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient	1				2					3
Management / Balance										
Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease										
Management										
Resource conservation										
technology										
Small Scale income										
generating enterprises										
TOTAL	1				2					3

# A.2. Abstract on the number of technologies to be refined in respect of crops

# A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds		1						1
Nutrition Management		•						
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income								
generating enterprises								
TOTAL		1						1

# A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises : NIL

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds							1	1
Nutrition Management								
Disease of Management				•				
Value Addition								
Production and Management				•				
Feed and Fodder								
Small Scale income								
generating enterprises								
TOTAL							1	1

# B. Details of On Farm Trial

# OFT-1 (Soil Science)

1. 2. 3.	Title Problem diagnose/defined Details of technologies	:	Balanced nutrient management in hybrid chilli Low use of organic manures and imbalance use of fertilizers $T_1$ . Farmers practice (110:40:0 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha and use of unfixed amount of FYM)
	/refinement		$1_2$ Assessment practice (70.48.50 kg N, $P_2$ 05 and $R_2$ 0 with 20 t FMM/ha)
4. 5.	Source of technology Production system	:	KVK, MPUAT, Banswara
	of thematic area	:	Maize/Soybean/Cotton/Paddy-Wheat/Rabi maize-Summer greengram
6. 7.	Thematic area Performance of the	:	Balance nutrient management
	Technology with		
	performance indicators	:	Yield, net return & B:C ratio
8.	Final recommendation for		
	micro level situation	:	Yet to be given
9.	Constraints identified and		
	feedback for research	:	Non availability of potassium fertilizers in KVSS / local market and poor quality of organic mannures
10.	Process of farmers	:	
	participation and		
	their reaction	:	All farm operations done by farmers himself in collaboration of Scientist

#### 11. Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Chilli	Irrigated	Low use of organic mannures and imbalance use of fertilizers	Balanced nutrient management in hybrid chilli	5	Balance nutrient management	Yield, net return and B:C ratio	Yield	-	-

	Yield (q/ha)		Net Return	BC
Technology Assessed	2016	2016 2017		Ratio
11	12		13	14
$T_{1\text{-}}$ Farmers practice (110:40:0 kg N, $P_2O_5$ and $K_2O/ha$ and use of unfixed amout of FYM)	Crop failed due to		-	
$T_{2\text{-}}$ Assessment practice (70:48:50 kg N, $P_2O_5$ and $K_2O$ with 20 t FYM/ha)	rainfall		-	

# OFT-2 (Soil Science)

1. 2. 3.	Title Problem diagnose/defined Details of technologies selected for assessment	: :	Balanced nutrient management in hybrid okra Low use of organic manures and imbalance use of fertilizers $T_1$ . Farmers practice (78:23:0 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha and use of unfixed amount of FYM) $T_2$ . Assessment practice (60:30:30 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O with 20 t FYM/ha)
	/refinement		
4. 5.	Source of technology Production system	:	KVK, MPUAT, Banswara
	of thematic area	:	Maize/Soybean/Cotton/Paddy-Wheat/Rabi maize-Summer greengram
6. 7.	Thematic area Performance of the	:	Balance nutrient management
	Technology with		
	performance indicators	:	Yield attribute, yield, net return & B:C ratio
8.	Final recommendation for		
	micro level situation	:	Yet to be given
9.	Constraints identified and		
	feedback for research	:	Non availability of potassium fertilizers in KVSS / local market and poor quality of organic manures
10.	Process of farmers participation and	:	
	their reaction	:	All farm operations done by farmers himself in collaboration of Scientist

#### 11. Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Okra	Irrigated	Low use of organic manures and imbalance use of fertilizers	Balanced nutrient management in hybrid okra	5	Balance nutrient management	Yield, net return and B:C ratio	Yield	-	-

		/ha)	Net Return	
Technology Assessed	2017	2018	(Profit) in Rs. / ha	BC Ratio
11	12		13	14
$T_{\rm 1}.$ Farmers practice (78:23:0 kg N, $P_{\rm 2}O_5$ and $K_{\rm 2}O/ha$ and use of unfixed amount of FYM)				
$T_{2\text{-}}Assessment\ practice\ (60:30:30\ kg\ N,\ P_2O_5\ and\ K_2O\ with\ 20\ t\ FYM/ha)$				

#### **OFT-3** (Animal Production)

1.	Title	:	Performance evaluation of Pratapdhan breed in Banswara district
2.	Problem diagnose/defined	:	Low body weight & less egg production
3.	Details of technologies	:	T <sub>1-</sub> Farmers practice – Desi birds rearing under backyard
	selected for assessment /refinement		$T_{2}$ . Introduce of Pratapdhan birds under backyard
4.	Source of technology	:	KVK, MPUAT, Banswara
5.	Production system		
	thematic area	:	Rearing of desi birds in back yard
6.	Thematic area	:	Poultry management
7.	Performance of the		
	Technology with		
	performance indicators	:	Gain in body weight & egg production
8.	Final recommendation for		
	micro level situation	:	Yet to be given
9.	Constraints identified and		
	feedback for research	:	Non availability of good breeds
10.	Process of farmers	:	All farm operations done by farmer's himself in collaboration of Scientist
	participation and		
	their reactio		

11. Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Poultry	Back yard	Low body weight & less egg production	Performance evaluation of Pratapdhan breed in Banswara district	10	Body weight & egg production in back yard	Gain in body weight & egg production	Gain in body weight and egg production	-	-

	Yield	(q/ha)	Net Return		
Technology Assessed	2017	2018	(Profit) in Rs. / ha	BC Ratio	
11	12 13			14	
T <sub>1</sub> -Farmers practice – Desi birds rearing under backyard		Result Awa	ited		
T <sub>2</sub> - Introduce of Pratapdhan birds	Result Awaited				

#### **OFT-4** (Animal Production) 1. Title Assessment the impact of Electrolytes to control heat stress condition in poultry : Problem diagnose/defined 2. Low body weight gain & less egg production due to heat stress : Details of technologies T1- Farmers practice – Feeding concentrate + watering 3. : $T_{2\text{-}}$ Feeding concentrate with $\mbox{ aonla powder} @ 2 \mbox{ gm} \, / \, \mbox{lit of water}$ selected for assessment /refinement $T_{3-}$ Feeding concentrate with electrolyte @ 1 gm / 2 lit of water Source of technology IVRI, Izzatnagar, Bareilly 4. : 5. Production system LPM thematic area : Thematic area LPM 6. : Performance of the 7. Technology with Body weight gain (gm), Egg production (No.). farmers reaction & feed back performance indicators : 8. Final recommendation for

micro level situation

Yet to be given

:

:

:

- 9. Constraints identified and feedback for research
- 10. Process of farmers participation and their reactio

11. Results of On Farm Trials

Non availability of good breeds

All farm operations done by farmer's himself in collaboration of Scientist

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Poultry	Back yard	Low body weight gain & less egg production due to heat stress	Assessment the impact of Electrolytes to control heat stress condition in poultry	10	Low body weight gain & less egg production due to heat stress	Gain in body weight & egg production	Gain in body weight and egg production	-	-

	Yield	(q/ha)	Net Return	BC Ratio	
Technology Assessed	2017	2018	(Profit) in Rs. / ha		
11	1	2	13	14	
T <sub>1-</sub> Farmers practice – Feeding concentrate + watering					
$T_{2\text{-}}$ Feeding concentrate with aonla powder @ 2 gm / lit of water					
$T_{3\text{-}}$ Feeding concentrate with electrolyte @ 1 gm / 2 lit of water					

# OFT-5 (Horticulture)

1. 2. 3.	Title Problem diagnose/defined Details of technologies selected for assessment	: : :	Balanced nutrient management in Onion Inadequate use of fertilizers and no use of Zinc T <sub>1</sub> . Farmers practice (80:40:0 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha) T <sub>2</sub> . Assessment practice (100:50:100 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O /ha + foliar spray of Zn So <sub>4</sub> 0.5% at 30 and 45 DAT)
	/refinement		
4. 5.	Source of technology Production system	:	KVK, MPUAT, Banswara
	thematic area	:	Maize/Soybean/Cotton/Paddy-Wheat/Rabi maize-Summer greengram
6. 7.	Thematic area Performance of the	:	Nutrient management
	Technology with		
	performance indicators	:	Yield attributes, yield, net return & B:C ratio
8.	Final recommendation for		
	micro level situation	:	Yet to be given
9.	Constraints identified and		
	feedback for research	:	Non availability of potassium fertilizers in KVSS / local market
10.	Process of farmers	:	
	participation and		
	their reaction	:	All farm operations starting from nursery raising to harvesting done by farmer's himself in collaboration of Scientist

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Onion	Irrigated	Imbalanced fertilizer use and no use of Zinc	Balanced nutrient management in onion	5	Balance nutrient management	Yield, net return and B:C ratio	Yield	Increase in yield	Farmers agreed to use balance nutrient management practice

	Yield	(q/ha)	Net Return		
Technology Assessed	2017	2018	(Profit) in Rs. / ha	BC Ratio	
11	1	2	13	14	
$T_{1\text{-}}$ Farmers practice (80:40:0 kg N, $P_2O_5$ and $K_2O/ha)$	-	-	-	-	
$T_{2\text{-}}$ Assessment practice (100:50:100 kg N, $P_2O_5$ and $K_2O$ /ha + foliar spray of Zn So_4 0.5% at 30 and 45 DAT)	-	-	-	-	

# OFT-6 (Horticulture)

	1.	Title	:	Effect of auxin on yield of chilli
	2.	Problem diagnose/defined	:	Shedding of flowers and frurits and no use of growth regulators
	3.	Details of technologies	:	1 <sub>1</sub> - Farmer's practice (No use of growth regulator)
		selected for assessment		T <sub>2</sub> . Foilar spray of NAA@20 ppm at 35 and 50 DAT
		/refinement		
	4.	Source of technology	:	KVK, MPUAT, Banswara
	5.	Production system		
		thematic area	:	Maize/Soybean/Cotton/Paddy-Wheat/Rabi maize-Summer greengram
	6.	Thematic area	:	Use of growth regulators
	7.	Performance of the		
		Technology with		
		performance indicators	:	Yield, net return & B:C ratio
	8.	Final recommendation for		
		micro level situation	:	Yet to be given
9	9.	Constraints identified and		
		feedback for research	:	Lack of awareness about use of PGR
1	.0.	Process of farmers	:	All farm operations starting from nursery raising to harvesting done by farmer's himself
		participation and		in collaboration of Scientist
		their reaction		

11. Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Chilli	Irrigated	Shedding of flowers and frurits and no use of growth regulators	Effect of auxin on yield of chilli	5	Foilar spray of NAA@20 ppm at 35 and 50 DAT	Yield, net return and B:C ratio	Yield	-	-

	Yield (q/ha)		Net Return	BC	
Technology Assessed	2016	2017	(Profit) in Rs. / ha	Ratio	
11	12		13	14	
T <sub>1</sub> -Farmers practice (No use of growth regulator)	Crop failed due to continuous	-	-	-	
T <sub>2</sub> -Foilar spray of NAA@20 ppm at 35 and 50 DAT	heavy rainfall	-	-	-	

# 3.2 Frontline Demonstrations

# A. Details of FLDs to be organized -

S. N.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Soybean	RKS-24	ICM	Seed replacement	Seed	Kharif 2017	20	50	Yield q./ha
2	Black Gram	PU-31	ICM	Seed replacement	Seed	Kharif 2017	20	50	Yield q./ha
3	Maize	Pratap QPMH-1, DKC- 7074 / New notified variety	ICM	Seed replacement	Seed	Kharif 2017	20	50	Yield q./ha
4	Gram	GNG-1581	ICM	Seed replacement	Seed	Rabi 2017-18	20	50	Yield q./ha
5	Rabi Maize	Bio-9682	ICM	Seed replacement	Seed	Rabi 2017-18	10	25	Yield q./ha
6	Wheat	Raj-4079	ICM	Seed replacement	Seed	Rabi 2017-18	10	25	Yield q./ha
7	Tomato	Dev	HOV	Seed replacement	Seed	Rabi 2017-18	2	10	Yield q./ha
8	Brinjal	Shamli	HOV	Seed replacement	Seed	Rabi 2017-18	2	10	Yield q./ha
9	Onion	AFLR	HOV	Seed replacement	Seed	Rabi 2017-18	2	10	Yield q./ha
10	Okra	Sonal / Shakti/ Marvel	HOV	Seed replacement	Seed	Zaid 2017	2	10	Yield q./ha
11	Long Melon	Chandra	HOV	Seed replacement	Seed	Zaid 2017	2	10	Yield q./ha
12	Chilli	Ujala/ Sitara	HOV	Seed replacement	Seed	Zaid 2017	2	10	Yield q./ha
					Total		112	310	

# Sponsored Demonstration: To be conducted as per need raised

Сгор	Area (ha)	No. of farmers

# B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	8	October, March	500
2	Farmers Training	4	June, October	200
3	Media coverage	10	-	-

# C. Details of FLD on Enterprises

# (i) Farm Implements : NIL

Name of the implement	Сгор	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

# (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Goat	Sirohi	10	10	Bucks	Number of progeny
Poultry	Pratapdhan	40	800 birds	6 week chicks	Body weight & egg production
Azolla	Azolla	10	10 unit	Azolla seed	Availability of low cost nutritious fodder

# (iii) Other Enterprises

Enterprise	No. of farmers	Critical inputs	Performance parameters / indicators
Nutri Garden	20	Seasonal vegetables seeds, papaya plant – 5, lime plant – 1, aonla – 1, guava – 1, mango / pomegranate – 1	Availability of fresh vegetables & fruits to farm families
Vermicompost	10	Vermi culture & bed	Availability of quality organic manure

# 3.3 Training (Including the sponsored and FLD training programmes):

# A) ON Campus

	No. of	No.			of Pa	rticipant		
Thematic Area	Courses		Others			SC/ST		Grand
	Courses	Male	Female	Total	Male	Female	Total	Total
(A) Farmers & Farm Women		-	-					
I Crop Production								
Weed Management	1	4	2	6	20	4	24	30
Crop Diversification	1	4	2	6	20	4	24	30
Integrated Crop Management	2	5	5	10	40	10	50	60
II Horticulture								
a) Vegetable Crops								
Off-season vegetables	1	6	4	10	15	5	20	30
Protective cultivation (Green Houses, Shade Net etc.)	1	8	2	10	16	4	20	30
b) Fruits								
Export potential fruits	1	4	2	6	20	4	24	30
Micro irrigation systems of orchards	1	4	2	6	20	4	24	30
Plant propagation techniques								
III Soil Health and Fertility Management								
Integrated Nutrient Management	2	10	-	10	35	15	50	60
Production and use of organic inputs	1	5	-	5	15	10	25	30
Management of Problematic soils	1	10	-	10	15	5	20	30
IV Livestock Production and Management		<u>.</u>					<u></u>	
Dairy Management	1	10	-	10	10	-	20	20
Poultry Management	2	-	-	-	50	10	60	60
Feed management	1	-	-	-	20	10	30	30
V Home Science/Women empowerment		<u>i</u>		<u>.</u>			<u></u>	
Value addition	2	-	10	10	-	40	40	50
Income generation activities for empowerment of rural	0						~~	40
Women	2	-	20	20	-	20	20	40
VI Fisheries		<u>-</u>		••••••			•••••••	
TOTAL	20	70	40	110	216	145	511	471
(B) RURAL YOUTH								
Cutting & Tailoring	1	-	-	-	-	25	25	25
TOTAL	1	-	-	-	-	25	25	25
(C) Extension Personnel								
Integrated Pest Management	1	8	2	10	18	2	20	30
Care and maintenance of farm machinery and implements	1	8	2	10	18	2	20	30
Production and use of organic inputs	1	20	-	20	8	2	10	30
TOTAL	3	40	4	44	44	6	50	94
G. Total	30	110	44	154	410	151	561	715

# B) OFF Campus

		No. of Participants						
Thematic Area	No. of Courses		Others			SC/ST		Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women			-					
I Crop Production								
Weed Management	2	5	5	10	50	20	70	80
Resource Conservation Technologies	1	3	2	5	20	15	35	40
Crop Diversification	1	4	6	10	20	10	30	40
Water management	1	6	4	10	25	5	30	40
Seed production	2	6	4	10	60	10	70	80
Integrated Crop Management	3	16	4	20	80	20	100	120
II Horticulture								
a) Vegetable Crops								
Off-season vegetables	1	3	3	6	30	4	34	40
Protective cultivation (Green Houses, Shade	1	4	6	10	15	15	20	40
Net etc.)	I	4	U	10	15	15	- 30	40
b) Fruits								
Training and Pruning	1	6	4	10	20	10	30	40
Layout and Management of Orchards	1	4	2	6	20	14	34	40
Cultivation of Fruit	1	4	2	6	20	14	34	40
Rejuvenation of old orchards	1	6	4	10	15	15	30	40
Export potential fruits	1	4	2	6	16	18	34	40
Micro irrigation systems of orchards	1	4	2	6	17	17	34	40
c) Ornamental Plants								
Nursery Management	1	5	5	10	15	15	30	40
d) Medicinal and Aromatic Plants								
Production and management technology	1	5	5	10	15	15	30	40
III Soil Health and Fertility Management								
Soil fertility management	1	10	5	15	25	10	35	50
Integrated Nutrient Management	1	10	5	15	25	10	35	50
Production and use of organic inputs	2	20	10	30	40	30	70	100
Management of Problematic soils	1	10	5	15	25	10	35	50
Micro nutrient deficiency in crops	1	10	5	15	25	10	35	50
Nutrient Use Efficiency	1	10	5	15	25	10	35	50
Soil and Water Testing	1	10	5	15	20	15	35	50
IV Livestock Production and Management				<u>.</u>	<u>.</u>			
Dairy Management	1	10	-	10	20	-	30	30
Poultry Management	2	-	-	-	60	10	80	80
Disease Management	1	5	5	10	15	5	20	30
Feed management	1	10	10	20	15	5	20	40
Production of quality animal products	1	10	10	20	5	10	15	35
V Home Science/Women empowerment				<u>.</u>	±			
Value addition	2	10	10	20	20	40	60	80
Storage loss minimization techniques	2	20	20	40	30	50	80	120
Income generation activities for empowerment	4	E	E	10	E	05	20	40
of rural women	I	5	5	10	5	20	30	40
VI Fisheries								
VII Production of Inputs at site								
Vermi-compost production	1	15	5	20	20	10	30	50
VIII Others - Organic Farming	1	10	5	15	25	10	35	50
TOTAL	43	274	180	454	858	497	1480	1800

# C) Consolidated table (ON and OFF Campus)

No. of Participants					ts			
Thematic Area	No. of Courses	Others			SC/ST			Grand Tatal
		Male	Female	Total	Male	Female	Total	Grand Total
(A) Farmers & Farm Women			<u>.</u>			2	<u>.</u>	
I Crop Production								
Weed Management	3	9	5	14	70	24	94	118
Resource Conservation Technologies	1	3	2	5	20	15	35	40
Crop Diversification	2	8	8	16	40	14	54	70
Water management	1	6	4	10	25	5	30	40
Seed production	2	6	4	10	60	10	70	80
Integrated Crop Management	5	21	9	30	120	30	150	180
Il Horticulture					120		100	100
a) Vegetable Crons	T	Γ			Ī	I	T	[
Off soason vegetables	2	0	7	16	15	0	54	70
Protective cultivation (Green Houses, Shade Net etc.)	2	12	7 8	20	31	10	50	70
h) Fruite	۷۲	12	0	20	51	13	50	70
D) Fluits	1	6	4	10	20	10	20	40
	1	0	4	10	20	10	30	40
Layout and Management of Orchards	1	4	2	6	20	14	34	40
	1	4	2	6	20	14	34	40
Rejuvenation of old orchards	1	4	6	10	15	15	30	40
Export potential fruits	2	8	4	12	36	22	58	70
Micro irrigation systems of orchards	2	8	4	12	37	21	58	70
c) Ornamental Plants								
Nursery Management	1	5	5	10	15	15	30	40
d) Medicinal and Aromatic Plants								
Production and management technology	1	5	5	10	15	15	30	40
TOTAL								
(C) Extension Personnel								
Integrated Pest Management	1	10	2	12	18	2	20	32
Care and maintenance of farm machinery and	4	40	<u> </u>	40	40	•		20
implements	1	10	2	12	18	2	20	32
Production and use of organic inputs	1	20	-	20	8	2	10	30
ΤΟΤΑΙ								
G Total								
III Soil Health and Fertility Management								
Soil fortility management	1	10	Б	15	25	10	25	50
Soll and Water Concernation	۱ ۲	10	5	10	25	10	50	50
Soli and Water Conservation	2	10	-	20	30	10	50	00
Deduction and use of examining inputs	2	10		20	40	20	00	00
Production and use of organic inputs	3	30	10	40	55	35	90	130
Management of Problematic solis	1	10	ວ -	15	25	10	35	50
	1	10	5	15	25	10	35	50
Nutrient Use Efficiency	1	10	5	15	25	10	35	50
Soil and Water Testing	1	10	5	15	20	15	35	50
IV Livestock Production and Management								
Dairy Management	2	20	-	20	30	-	30	50
Poultry Management	4	-	-	-	110	30	140	140
Disease Management	1	5	5	10	15	5	20	30
Feed management	2	10	10	20	35	15	40	60
Production of quality animal products	1	10	10	20	5	10	15	35
V Home Science/Women empowerment								
Household food security by kitchen gardening and	c	10	10	20	20	40	60	80
nutrition gardening	2	10	10	20	20	40	60	00
Designing and development for high nutrient efficiency	n	10	10	20	20	40	60	<u>o</u> 0
diet	۷	10	10	20	20	40	00	ου
Storage loss minimization techniques	2	20	20	40	30	50	80	120
Value addition	2	-	10	10	-	40	40	50
Income generation activities for empowerment of rural	-	1			1			4.5
Women	2	-	20	20	-	20	20	40
Location specific drudgery reduction technologies	1	5	5	10	5	25	30	40
VI Fisheries		-	-		-			
TOTAL		-						
L		1	<u>i</u>		1	<u>i</u>	<u>l</u>	L

(B) RURAL YOUTH								
Cutting & Tailoring	1	-	-	-	-	25	25	25
TOTAL	1	-	-	-	-	25	25	25
(C) Extension Personnel								
Integrated Pest Management	1	10	2	12	18	2	20	32
Care and maintenance of farm machinery and implements	1	10	2	12	18	2	20	32
Production and use of organic inputs	1	20	-	20	8	2	10	30
Total	3	40	4	44	44	6	50	94
G. TOTAL	70	384	233	617	1243	673	2136	2533

Details of training programmes attached in Annexure -I

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

Nature of Extension	No. of		Farmers		Exte	Extension Officials			Total	
Activity	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	8	400	100	500	20	-	20	420	100	520
Kisan Mela	1	2000	400	2400	50	10	60	2050	410	2460
Kisan Ghosthi	4	400	200	600	30	15	45	430	215	465
Exhibition	4	2000	400	2400	50	10	60	2050	410	2460
Film Show	20	700	200	900	15	5	20	715	205	920
Group meetings	10	300	200	500	20	20	40	320	220	540
Lectures delivered as resource persons	20	300	200	500	20	20	40	320	220	540
Newspaper coverage	50									
Radio talks	6									
TV talks	6									
Popular articles	4									
Extension Literature	4				•					
Advisory Services		<u>.</u>	<u>.</u>						<u>.</u>	
Scientific visit to farmers field	20	100	50	150	15	5	20	115	55	170
Farmers visit to KVK		1200	250	1450	40	10	50	1240	260	1500
Diagnostic visits	4	20	-	20	10	2	12	30	2	32
Exposure visits	2	100	-	100	-	-	-	100	-	100
Ex-trainees Sammelan	2	40	20	60	-	-	-	40	20	60
Animal Health Camp	4	100	60	160	4	-	4	104	60	164
Safe grain campaign	1	10	80	90	2	1	3	12	83	95
Soil test campaigns	4	125	75	200	10	-	10	135	75	210
Celebration of important days (specify)	3	450	300	750	30	10	40	480	310	790
Pre Kharif workshop	2	50	50	100	10	-	10	60	50	110
Pre Rabi workshop	2	50	50	100	10	-	10	60	50	110
PPV & FRA workshop	1	60	40	100	10	-	10	70	40	110
Total	182									11356

# 3.5 Target for Production and supply of Technological products

# SEED MATERIALS

SI. No.	Сгор	Variety	Quantity (qtl.)
	Paddy (TL)	Pusa-1509	3
CEREALS	Wheat (FS / CS) Certified	Raj-4079	40
OILSEEDS	Soybean (BS / FS)	RKS-24	40
PULSES	Gram (BS / FS)	GNG-1581	20
Fruits	Mango	Mallika, Dashehari, Langra, Amrapali, etc.	50
	Guava	L-49	100

# PLANTING MATERIALS

SI. No.	Сгор	Variety	Quantity (Nos.)				
	Mango (Grafted)	Mallika, Dashehari, Langra, Amrapali, Kesar etc.	10000				
	Guava (Budded, Air layering)	L-49, Allahabad Safeda	10000				
FRUITS	Lemon (Air layering)	Kagzi	5000				
	Sapota (Grafted)	Kali Patti	500				
	Papaya (Seeded)	Red Lady-786	10000				
	Pomegranate (Cutting)	Mradula	500				
	Rose (Cutting)	Ganganagri Red	500				
ORNAMENTAL CROPS	Marigold (Seedlings)	Pusa Narangi, Pusa Basanti	10000				
	Vegetable (Seedlings)	13000					
	Total						

# **Bio-products**

SI. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PEST	BIO PESTICIDES			
1	Vermicompost	Organic manures	-	7500
2	Verms	Isenia foetida	-	50

# LIVESTOCK

SI. No.	Туре	Breed	Quantity	
			(Nos)	Unit
POULTRY	Chicks	Pratapdhan	8,000	400
FISHERIES	Spawn	IMC	2 Crore	

# Literature to be Developed/Published

S. No.	Торіс	Number
1	Research paper	2
2	Training manual	2
3	Popular article	4
4	Extension literature	4
	Total	12

# Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	2 DVDs	On ARYA Entrepreneurship	2
3.7.	Success stories/Case studies identified for develo	pment as a case. –	

4 success stories will be prepared during the year 2017-18

# 3.8 Indicate the specific training need analysis tools/methodology followed for

#### **Practicing Farmers**

a) Selection of farmers based on need.

- b) Use of ICT.
- c) More emphasis on practical aspects of the subject.

#### **Rural Youth**

- a) Selection of youth based on need.
- b) More emphasis given on the finer of the skill.
- c) Employment generation for youth at village level.
- d) Federating the youth for marketing their products in better way.

#### In-service personnel

- a) Imparting latest technical know how.
- b) Use of ICT.
- c) More emphasis on practical aspects of the subject.

# 3.9 Indicate the methodology for identifying OFTs/FLDs

#### For OFT :

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions

#### For FLD :

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system

#### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological-horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

# 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2007

### 2. List of equipments purchase with amount

SI. No.	Name of the equipment	Quantity	Cost (Rs)
1	pH Meter	1	7500
2	EC Meter	1	7500
3	Flame Photometer	1	45000
4	Spectro Photometer	1	50000
5	Mrada Parikshak	1	75000

# 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	450	15-20	5000
Total	500	450		500

# 4.0 LINKAGES

# 4.1 Functional linkage with different organizations

S.No.	Name of Organization	Nature of linkages
I. Line o	departments of Govt. of Rajasthan	
1	Department of Agriculture	Planning annual training schedule, demonstrations and extension activities
2	Department of Horticulture	Planning annual training schedule, demonstrations and extension activities
3	Department of Animal Husbandry	Training programme and animal treatment camp
4	District Women and Development Agency	Training and other programme for women and child
5	Department of Watershed and Soil Conservation	Collaborative training programme, field visit, guest speakers
6	Department of Forest	Environmental programme and supply of plants
7	District Rural Development Agency	Funds for development work
8	Lead Bank	Loan to farmer's, guest lecture on finance management
9	NABARD	Loan to farmer's, guest lecture on finance facilities
10	Nehru Yuva Kendra	Training programme for their volunteers and extension workers
11	IFFCO and KRIBHCO	Collaborative training programme and inter change of subject matter specialists
12	Rajasthan State Seed Corporation	Supply of seed and seed production programme
13	Rural Institution- Gram Panchayats, Cooperatives, Schools	Training programme and demonstrations
14	Department of Fisheries	Training programme and demonstrations
15	ACCESS Development Servises	For farmers fedration and producer company formation
II. ICAR	Institutes	
1	Central Institute of Fisheries Education, Mumbai	Partner in NAIP, expansion of fisheries activities in the district
2	Indian Institute of Agricultural Research, New Delhi	Seed production programme
3	CAZRI, Jodhpur	Demonstrations of green fodder and fruits plants
4	CSWRI, Avikanagar (Tonk)	Technology for improvement of animal breed
5	IGFRI, Jhansi	Demonstrations on green fodder
6	NRC on Seed Spices, Tabiji (Ajmer)	Training programme & demonstrations
7	DMR, Sewar, Bharatpur	Training programme & demonstrations
8	CIRCOT,Sirsa	Training programme & demonstrations
9	CISH, Lucknow	Training programme & demonstrations
III. SAU	S	
1	SKRAU, Bikaner, AAU Anand, VRSAU, Gwaliar, SKNAU, Fatehpur Shekhawati	Soil test based fertilizer recommendation demonstrations farmers training and extension activities
IV. NGC	Ds	
1	BAIF RIDMA	For resource person for training

2	GVT	For resource person for training and planting material supply
3	Sadgru Foundation	For resource person for training and supply of planting material
4	World Vision	For resource person for training & supply of fish seed
5	Sampuran Gram Vikas Samiti	For resource person for training
6	Gramin Vikas Pragati Sansthan	For resource person for training
7	Reliance Foundation	For resource person for training and planting material supply

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No: YES

S. No.	Programme	Nature of linkage
1	Training of progressive farmers	Resource person
2	Farm school	Resource person
3	Innovation activity etc	Input supplier

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training of progressive farmers	Resource person
2	Orchard establishment	Planting material
3	MIS	Resource person

# 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	Trainings	Resource person

#### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	On campus Trainings of KVK, Sponsored Trainings of ATMA / NGOs and exposure visits etc	110-120 days

#### 6.0 Convergence with departments :

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ΑΤΜΑ	State		Training	Banswara district	-
RKVY	Central	2.50 lac	FLD	Adopted villages	-
NAIP	Central	57.60 lac	Demonstration, trainings and subsidized high value input distribution	NAIP adopted villages	-

# 7.0 Feedback of the farmers about the technologies demonstrated and assessed :

Farmers Appreciated the results of demonstrated technologies .

#### 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :

Crop diversification – emerging crop with problems arising : (i) During *kharif* Soybean area is increasing and it need

short duration and high yielding varieties. (ii) During rabi maize area is increasing

• Nutritional deficiency : Zinc deficiency in *rabi* maize and wheat.

Insect pest and diseases : (i) Management technologies for post flowering stalk rot in maize. (ii) Disease management in poly house (for tomato, chilli, cucumber etc). (iii) Evaluation or assessment of resistant varieties against yellow mosaic in greengram and blackgram. (iv) Disease forewarning modules against blast and bacterial leaf blight. (v) Management technique against para-wilt of cotton.

- Water management : (i) Farmers followed flood system of irrigation and excess use of water.
   (ii) Water logging problem from canal around in 5000 ha area.
- Physiological disorder : Mango malformation.
- Spurious material : Lake of good Government sector hybrid maize & vegetable varieties.
- Any other if any : Need of heat tolerance varieties of wheat.
- In livestock -

(i) Disease: H.S., FMD, Parasitic Infection.

(ii) Infertility problem in large animal.

#### Annexure - I

#### **Training Programme**

#### i) Farmers & Farm women (On Campus)

Crop Production         M         F         T         M         F         T         M         F         T           5-8.9.17         PF/FW         Integrated weed management in cotton, soybean and maize         4         2         6         20         4         24         30           3-6.10.17         PF/FW         Bio Intensive integrated pest management         4         2         3         5         20         5         25         30           9-12.10.17         PF/FW         Crop diversification for sustainable crop production         4         4         2         6         20         4         24         30           Horticulture         13-16.6.17         PF/FW         Production technology for enhanced productivity through improved fruit quality for export of mango         4         4         2         6         20         4         24         30           13-16.9.17         PF/FW         Raised bed production technology of wegetables         4         8         2         10         16         4         20         30           25-28.10.17         PF/FW         Raised bed production technology of wegetables         4         6         4         10         15         5         20         30	Date	Clientele	Title of the training programme	Duration in days	Number of participants			Numt	G. Total		
Crop Production         Solution         PF/FW         Integrated weed management in cotton, in rabinaize, gram and maize         4         4         2         6         20         4         24         30           3-6.10.17         PF/FW         Bio Intensive integrated pest management in cotton, in rabinaize, gram and wheat         2         3         5         20         5         25         30           9-12.10.17         PF/FW         Crop diversification for sustainable crop production         4         4         2         6         20         4         24         30           9-12.10.17         PF/FW         Crop diversification for sustainable crop productivity through improved fruit quality for export of manage         4         4         2         6         20         4         24         30           11-14.7.17         PF/FW         Protected cultivation of vegetables         4         8         2         10         16         4         20         30           13-16.9.17         PF/FW         Raised bed production technology of 4         4         4         2         6         20         4         24         30           25-28.10.17         PF/FW         Microirrigation and fertigation in horicultural crops         4         -         -         <					М	F	Т	М	F	Т	
5-8.9.17       PF/FW       Integrated weed management in cotton, soybean and maize system and maize gram and wheat       4       4       2       6       20       4       24       30         3-6.10.17       PF/FW       Bio Intensive integrated pest management in rabi maize, gram and wheat       4       2       3       5       20       5       25       30         9-12.10.17       PF/FW       Crop diversification for sustainable crop production       4       4       2       6       20       4       24       30         9-12.10.17       PF/FW       Crop diversification for sustainable crop production       4       4       2       6       20       4       24       30         Horticulture       13-16.6.17       PF/FW       Production technology for enhanced production technology of wegetables       4       8       2       10       16       4       24       30         13-16.9.17       PF/FW       Raised bed production technology of vegetables       4       8       2       10       15       5       20       30         13-16.9.17       PF/FW       Raised bed production technology of vegetables       4       4       2       6       20       14       24       30         25-28.10.17	Crop Produc	ction								-	
3-6.10.17         PF/FW         Bio Intensive integrated pest management in rabi maize, gram and wheat         4         2         3         5         20         5         25         30           9-12.10.17         PF/FW         Crop diversification for sustainable crop production         4         4         2         6         20         4         24         30           Horticulture         13-16.6.17         PF/FW         Production technology for enhanced productivity through improved fruit quality for export of mango         4         4         2         6         20         4         24         30           11-14.7.17         PF/FW         Protected cultivation of vegetables         4         8         2         10         16         4         20         30           13-16.9.17         PF/FW         Protected cultivation of vegetables         4         8         2         10         16         4         20         30           13-16.9.17         PF/FW         Raised bed production technology of vegetables         4         4         2         6         20         4         24         30           25-28.10.17         PF/FW         Microirrigation and fertigation in horticultural crops         4         -         -         20         <	5-8.9.17	PF/FW	Integrated weed management in cotton,	4	4	2	6	20	4	24	30
3-0.10.17       PF/FW       Bite intensive integrated pest management       4       2       3       5       20       5       25       30         9-12.10.17       PF/FW       Crop diversification for sustainable crop production       4       4       2       6       20       4       24       30         9-12.10.17       PF/FW       Crop diversification for sustainable crop production       4       4       2       6       20       4       24       30         Porticulture       13-16.6.17       PF/FW       Production technology for enhanced production technology of reapont of mango       4       4       2       6       20       4       24       30         11-14.7.17       PF/FW       Protected cultivation of vegetables       4       8       2       10       16       4       20       30         13-16.9.17       PF/FW       Raised bed production technology of vegetables       4       4       6       4       10       15       5       20       30         25-28.10.17       PF/FW       Raised bed production to increase income for backward and socio economic classes       4       -       -       20       10       30       30         25.8.17       PF/FW       Improved go	0 0 10 17		Soybean and maize	4					_		
9-12.10.17         PF/FW         Crop diversification for sustainable crop production         4         4         2         6         20         4         24         30           Horticulture         13-16.6.17         PF/FW         Production technology for enhanced productivity through improved fruit quality for export of mango         4         4         2         6         20         4         24         30           11-14.7.17         PF/FW         Protected cultivation of vegetables         4         8         2         10         16         4         20         30           11-14.7.17         PF/FW         Raised bed production technology of vegetables         4         8         2         10         16         4         20         30           13-16.9.17         PF/FW         Raised bed production technology of vegetables         4         4         2         6         20         4         24         30           25-28.10.17         PF/FW         Mairciparing and ferigation in horicultural crops         4         -         -         25         5         30         30           25.5.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25 <td>3-6.10.17</td> <td>PF/FVV</td> <td>in rabi maize, gram and wheat</td> <td>4</td> <td>2</td> <td>3</td> <td>5</td> <td>20</td> <td>5</td> <td>25</td> <td>30</td>	3-6.10.17	PF/FVV	in rabi maize, gram and wheat	4	2	3	5	20	5	25	30
Horticulture         Production technology for enhanced productivity through improved fruit quality for export of mango         4         4         2         6         20         4         24         30           11-14.7.17         PF/FW         Productivity through improved fruit quality for export of mango         4         8         2         10         16         4         20         30           13-16.9.17         PF/FW         Raised bed production technology of vegetables         4         8         2         10         16         4         20         30           25-28.10.17         PF/FW         Raised bed production technology of horticultural crops         4         6         4         10         15         5         20         30           PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25         5         30         30           25-5.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25         5         30         30           25.8.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         10         -	9-12.10.17	PF/FW	Crop diversification for sustainable crop production	4	4	2	6	20	4	24	30
13-16.6.17       PF/FW       Production technology for enhanced productivity through improved fruit quality for export of mango       4       4       2       6       20       4       24       30         11-14.7.17       PF/FW       Protected cultivation of vegetables       4       8       2       10       16       4       20       30         13-16.9.17       PF/FW       Raised bed production technology of vegetables       4       4       2       6       20       4       24       30         25-28.10.17       PF/FW       Microirrigation and fertigation in horticultural crops       4       6       4       10       15       5       20       30         Livestock prod.         9-12.5.17       PF/FW       Poultry production to increase income for backward and socio economic classes       4       -       -       25       5       30       30         214.17.6.17       PF/FW       Poultry production to increase income for backward and socio economic classes       4       -       -       -       25       5       30       30         225.8.17       PF/FW       Poultry production to increase income for backward and socio economic classes       4       10       -       10       10       -       10	Horticulture	<b>.</b>		<u>.</u>	<u>.</u>		. <u>.</u>			<u>.</u>	<u>.</u>
11-14.7.17       PF/FW       Protected cultivation of vegetables       4       8       2       10       16       4       20       30         13-16.9.17       PF/FW       Raised bed production technology of vegetables       4       4       2       6       20       4       24       30         25-28.10.17       PF/FW       Microirrigation and fertigation in horticultural crops       4       6       4       10       15       5       20       30         Livestock prod.       9-12.5.17       PF/FW       Poultry production to increase income for backward and socio economic classes       4       -       -       25       5       30       30         14-17.6.17       PF/FW       Poultry production to increase income for backward and socio economic classes       4       -       -       20       10       30       30         2-5.8.17       PF/FW       Poultry production to increase income for backward and socio economic classes       4       -       -       20       10       30       30         2-5.8.17       PF/FW       Infectious disease of dairy animals and its control measures.       4       10       -       10       10       -       10       20         10-13.1.18       PF/FW       Infectious d	13-16.6.17	PF/FW	Production technology for enhanced productivity through improved fruit quality for export of mango	4	4	2	6	20	4	24	30
13-16.9.17         PF/FW         Raised bed production technology of vegetables         4         4         2         6         20         4         24         30           25-28.10.17         PF/FW         Microirrigation and fertigation in horticultural crops         4         6         4         10         15         5         20         30           Livestock prod.         9-12.5.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         25         5         30         30           2-58.17         PF/FW         Improved goat farming for tribal farmers         4         -         -         -         20         10         30         30           2-58.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25         5         30         30           2-58.17         PF/FW         Pf/FW         Infectious disease of dairy animals and its control measures.         4         10         -         10         10         -         10         20           2-56.6.17         PF/FW         Mango processing         4         -         5         5         - <td< td=""><td>11-14.7.17</td><td>PF/FW</td><td>Protected cultivation of vegetables</td><td>4</td><td>8</td><td>2</td><td>10</td><td>16</td><td>4</td><td>20</td><td>30</td></td<>	11-14.7.17	PF/FW	Protected cultivation of vegetables	4	8	2	10	16	4	20	30
25-28.10.17         PF/FW         Microirrigation and fertigation in horticultural crops         4         6         4         10         15         5         20         30           Livestock prod.         -         -         -         25         5         30         30           9-12.5.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25         5         30         30           14-17.6.17         PF/FW         Improved goat farming for tribal farmers         4         -         -         -         20         10         30         30           2-5.8.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         20         10         30         30           10-13.1.18         PF/FW         Poultry production to increase income for backward and socio economic classes         4         10         -         10         10         -         10         20           10-13.1.18         PF/FW         Infectious disease of dairy animals and its control measures.         4         10         -         10         10         20         21         26.6.17 <th< td=""><td>13-16.9.17</td><td>PF/FW</td><td>Raised bed production technology of vegetables</td><td>4</td><td>4</td><td>2</td><td>6</td><td>20</td><td>4</td><td>24</td><td>30</td></th<>	13-16.9.17	PF/FW	Raised bed production technology of vegetables	4	4	2	6	20	4	24	30
Livestock prod.           9-12.5.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         25         5         30         30           14-17.6.17         PF/FW         Improved goat farming for tribal farmers         4         -         -         -         20         10         30         30           2-5.8.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25         5         30         30           2-5.8.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         10         -         10         10         -         10         20         20         25           10-13.1.18         PF/FW         Infectious disease of dairy animals and its control measures.         4         10         -         10         10         -         10         20            control measures.         4         -         5         5         -         20         20         25            Cutting & Tailoring         10         -         10         10         -         10	25-28.10.17	PF/FW	Microirrigation and fertigation in horticultural crops	4	6	4	10	15	5	20	30
9-12.5.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25         5         30         30           14-17.6.17         PF/FW         Improved goat farming for tribal farmers         4         -         -         -         20         10         30         30           2-5.8.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         -         25         5         30         30           10-13.1.18         PF/FW         Infectious disease of dairy animals and its control measures.         4         10         -         10         10         -         10         20         20         25           58.6.17         PF/FW         Mango processing         4         -         5         5         -         20         20         25           12-26.6.17         PF/FW         Cutting & Tailoring         10         -         10         10         20         20         25           9-12.1.18         PF/FW         Soap & Detergent making         5         -         5         5         10         25         30           19-23.9.	Livestock pr	od.	·	<u>i</u>	1		.i			<u>i</u>	L
14-17.6.17       PF/FW       Improved goat farming for tribal farmers       4       -       -       20       10       30       30         2-5.8.17       PF/FW       Poultry production to increase income for backward and socio economic classes       4       -       -       -       25       5       30       30         10-13.1.18       PF/FW       Infectious disease of dairy animals and its control measures.       4       10       -       10       10       -       10       20       20       25         Home Sc.         5-8.6.17       PF/FW       Mango processing       4       -       5       5       -       20       20       25         5-8.6.17       PF/FW       Cutting & Tailoring       10       -       10       10       -       10       10       20       20       25         5-8.6.17       PF/FW       Cutting & Tailoring       10       -       10       10       20       10       20         11-14.12.17       PF/FW       Aonla processing       6       -       10       10       -       10       10       20       20       25       Soil Health         21-24.6.17       PF/FW       Soap & Deterg	9-12.5.17	PF/FW	Poultry production to increase income for backward and socio economic classes	4	-	-	-	25	5	30	30
2-5.8.17         PF/FW         Poultry production to increase income for backward and socio economic classes         4         -         -         25         5         30         30           10-13.1.18         PF/FW         Infectious disease of dairy animals and its control measures.         4         10         -         10         10         -         10         20           Home Sc.           5-8.6.17         PF/FW         Mango processing         4         -         5         5         -         20         20         25           12-26.6.17         PF/FW         Cutting & Tailoring         10         -         10         10         -         10         10         20         20         25           12-26.6.17         PF/FW         Cutting & Tailoring         10         -         10         10         -         10         10         20         20         25           11-14.12.17         PF/FW         Aonla processing         6         -         10         10         -         10         20         20         25         Soil Health         21-24.6.17         PF/FW         Soap & Detergent making         5         -         5         15         10         25	14-17.6.17	PF/FW	Improved goat farming for tribal farmers	4	-	-	-	20	10	30	30
10-13.1.18         PF/FW         Infectious disease of dairy animals and its control measures.         4         10         -         10         10         -         10         20           Home Sc.         5-8.6.17         PF/FW         Mango processing         4         -         5         5         -         20         20         25           12-26.6.17         PF/FW         Cutting & Tailoring         10         -         10         10         -         10         10         20         25           12-26.6.17         PF/FW         Cutting & Tailoring         10         -         10         10         -         10         10         20           11-14.12.17         PF/FW         Aonla processing         6         -         10         10         -         10         10         20         20         25           Soil Health         Soap & Detergent making         5         -         5         5         -         20         20         25           Soil Health         21-24.6.17         PF/FW         Integrated nutrient management for major kharif crops         5         5         -         5         17         8         25         30           19-23.9.17 <td>2-5.8.17</td> <td>PF/FW</td> <td>Poultry production to increase income for backward and socio economic classes</td> <td>4</td> <td>-</td> <td>-</td> <td>-</td> <td>25</td> <td>5</td> <td>30</td> <td>30</td>	2-5.8.17	PF/FW	Poultry production to increase income for backward and socio economic classes	4	-	-	-	25	5	30	30
Home Sc.         Search of the sector of	10-13.1.18	PF/FW	Infectious disease of dairy animals and its control measures.	4	10	-	10	10	-	10	20
5-8.6.17       PF/FW       Mango processing       4       -       5       5       -       20       20       25         12-26.6.17       PF/FW       Cutting & Tailoring       10       -       10       10       -       10       10       20       20       25         11-14.12.17       PF/FW       Aonla processing       6       -       10       10       -       10       10       20       20       25         9-12.1.18       PF/FW       Soap & Detergent making       5       -       5       5       -       20       20       25         Soil Health       5       -       5       5       -       20       20       25         Soil Health       5       -       5       5       -       20       20       25         Soil Health       10       10       10       10       20       25       30         19-23.9.17       PF/FW       Integrated nutrient management for major manures       5       5       -       5       15       10       25       30         18-21.10.17       PF/FW       Integrated nutrient management for major rab icrops       4       5       -       5 <td>Home Sc.</td> <td><u>i</u></td> <td></td> <td><u>.</u></td> <td>1</td> <td></td> <td>.1</td> <td></td> <td></td> <td></td> <td><u>.</u></td>	Home Sc.	<u>i</u>		<u>.</u>	1		.1				<u>.</u>
12-26.6.17       PF/FW       Cutting & Tailoring       10       -       10       10       -       10       10       20         11-14.12.17       PF/FW       Aonla processing       6       -       10       10       -       10       10       20         9-12.1.18       PF/FW       Soap & Detergent making       5       -       5       5       -       20       20       25         Soil Health       -       -       5       5       -       20       20       25         Soil Health       -       -       5       5       -       5       30         21-24.6.17       PF/FW       Integrated nutrient management for major kharif crops       4       5       -       5       17       8       25       30         19-23.9.17       PF/FW       Production technologies for quality organic manures       5       5       -       5       15       10       25       30         18-21.10.17       PF/FW       Integrated nutrient management for major rab icrops       4       5       -       5       18       7       25       30         9-12.1.18       PF/FW       Soil health management       4       10 <td< td=""><td>5-8.6.17</td><td>PF/FW</td><td>Mango processing</td><td>4</td><td>-</td><td>5</td><td>5</td><td>-</td><td>20</td><td>20</td><td>25</td></td<>	5-8.6.17	PF/FW	Mango processing	4	-	5	5	-	20	20	25
11-14.12.17       PF/FW       Aonla processing       6       -       10       10       -       10       10       20       20       20       20       20       20       20       20       20       20       20       20       20       25       Soil Health       Soap & Detergent making       5       -       5       5       -       20       20       25       Soil Health         21-24.6.17       PF/FW       Integrated nutrient management for major kharif crops       4       5       -       5       17       8       25       30         19-23.9.17       PF/FW       Production technologies for quality organic manures       5       5       -       5       15       10       25       30         18-21.10.17       PF/FW       Integrated nutrient management for major rab icrops       4       5       -       5       18       7       25       30         9-12.1.18       PF/FW       Soil health management       4       10       -       10       15       5       20       20	12-26.6.17	PF/FW	Cutting & Tailoring	10	-	10	10	-	10	10	20
9-12.1.18       PF/FW       Soap & Detergent making       5       -       5       5       -       20       20       25         Soil Health       21-24.6.17       PF/FW       Integrated nutrient management for major kharif crops       4       5       -       5       17       8       25       30         19-23.9.17       PF/FW       Production technologies for quality organic manures       5       5       -       5       15       10       25       30         18-21.10.17       PF/FW       Integrated nutrient management for major rab icrops       4       5       -       5       18       7       25       30         9-12.1.18       PF/FW       Soil health management       4       10       -       10       15       5       20       20	11-14.12.17	PF/FW	Aonla processing	6	-	10	10	-	10	10	20
Soil Health21-24.6.17PF/FWIntegrated nutrient management for major kharif crops45-5178253019-23.9.17PF/FWProduction technologies for quality organic manures55-51510253018-21.10.17PF/FWIntegrated nutrient management for major rab icrops45-518725309-12.1.18PF/FWSoil health management410-101552020	9-12.1.18	PF/FW	Soap & Detergent making	5	-	5	5	-	20	20	25
21-24.6.17PF/FWIntegrated nutrient management for major kharif crops45-5178253019-23.9.17PF/FWProduction technologies for quality organic manures55-51510253018-21.10.17PF/FWIntegrated nutrient management for major rab icrops45-518725309-12.1.18PF/FWSoil health management410-101552020	Soil Health			<u>.</u>						<u>.</u>	<u>.</u>
19-23.9.17PF/FWProduction technologies for quality organic manures55-51510253018-21.10.17PF/FWIntegrated nutrient management for major rab icrops45-518725309-12.1.18PF/FWSoil health management410-101552020	21-24.6.17	PF/FW	Integrated nutrient management for major kharif crops	4	5	-	5	17	8	25	30
18-21.10.17         PF/FW         Integrated nutrient management for major rab icrops         4         5         -         5         18         7         25         30           9-12.1.18         PF/FW         Soil health management         4         10         -         10         15         5         20         20	19-23.9.17	PF/FW	Production technologies for quality organic manures	5	5	-	5	15	10	25	30
9-12.1.18 PF/FW Soil health management 4 10 - 10 15 5 20 20	18-21.10.17	PF/FW	Integrated nutrient management for major rab icrops	4	5	-	5	18	7	25	30
	9-12.1.18	PF/FW	Soil health management	4	10	-	10	15	5	20	20

# i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration	No. of participants			Numb	G.		
			in days	М	F	Т	М	F	Т	Total
Crop Produc	tion		. <u>.</u>		<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>		
7.6.17	PF/FW	Weed management in maize & soybean	1	5	2	7	26	7	33	40
18.8.17	PF/FW	Bio intensive pest management in soybean	1	6	2	8	27	6	32	40
18.9.17	PF/FW	Conservation agriculture viz SRI & DSR	1	3	2	5	20	15	35	40
23.10.17	PF/FW	Production of linseed	1	4	6	10	20	10	30	40
13.11.17	PF/FW	Production of sweet corn	1	3	2	5	30	5	35	40
15.11.17	PF/FW	Bio intensive pest management in gram	1	6	2	8	27	6	32	40
21.11.17	PF/FW	Irrigation scheduling in rabi crops	1	6	4	10	25	5	30	40
22.11.17	PF/FW	Weed management in wheat	1	2	3	5	25	10	35	40
Horticulture	<u>i</u>				<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>	.1	
10.5.17	PF/FW	Training and pruning of fruit crops	1	6	4	10	20	10	30	40
16.5.17	PF/FW	Micro- irrigation in horticultural crops	1	4	2	6	16	18	34	40
18.7.17	PF/FW	Cultivation techniques of minor fruits	1	4	2	6	16	18	34	40
21.7.17	PF/FW	Importance of micro nutrients in fruit crops	1	4	2	6	16	18	34	40
22.8.17	PF/FW	Regulation of bearing in mango	1	6	4	10	15	15	30	40
23.8.17	PF/FW	Mulching in vegetables	1	4	6	10	15	15	30	40
22.9.17	PF/FW	Cultivation techniques of seed spices	1	4	6	10	15	15	30	40
25.11.17	PF/FW	Cultivation of vegetables under low tunnels	1	3	3	6	30	4	34	40
28.11.17	PF/FW	Integrated pest management in winter vegetables	1	5	5	10	15	15	30	40
7.2.18	PF/FW	Guava plantation under high and ultra high density	1	4	2	6	20	14	34	40
Live Stock P	roduction.	1		L	1	1	1	1	.ii	
17.5.17	PF/FW	care of management of pregnant cattle &	1	10	-	10	20	-	20	30
		buffalo								
9.6.17	PF/FW	Vaccination schedules in dairy animals	1	-	-	-	30	10	40	40
12.7.17	PF/FW	Balance feeding of dairy animals for	1	-	-	-	30	10	40	40
		increasing milk production								
17.8.17	PF/FW	Management of backyard poultry birds	1	10	10	20	15	5	20	40
4.9.17	PF/FW	Azolla production and feeding technology	1	5	5	10	15	5	20	30
7.10.17	PF/FW	Clean milk production	1	10	10	20	5	10	15	35
Home Sc.		·								
25.4.17	PF/FW	Safe grain storage	1	10	10	20	15	25	40	60
7.7.17	PF/FW	Layout- of kitchen garden	1	5	5	10	10	20	30	40
11.7.17	PF/FW	Layout- of kitchen garden	1	5	5	10	10	20	30	40
15.12.17	PF/FW	Soybean processing	1	5	5	10	10	20	30	40
12.2.18	PF/FW	Herbal Gulal	1	5	5	10	10	20	30	40
Soil health										
25.4.17	PF/FW	Method of soil sampling	1	10	5	15	20	15	35	50
12.5.17	PF/FW	Importance and use of organic manures	1	10	5	15	25	10	35	50
12.6.17	PF/FW	Method of soil samplings	1	10	5	15	25	10	35	50
13.6.17	PF/FW	Importance and use of bio fertilizers	1	10	5	15	25	10	35	50
3.10.17	PF/FW	Balance use of fertilizers	1	10	5	15	25	10	35	50
24.10.17	PF/FW	Importance and use of water soluble and liquid fertilizers	1	10	5	15	25	10	35	50
2.11.17	PF/FW	Importance and use of micro nutrients	1	10	5	15	25	10	35	50
15.12.17	PF/FW	Vermicomposting	1	10	5	15	25	10	35	50
5.1.18	PF/FW	Organic farming	1	10	5	15	25	10	35	50
22.3.18	PF/FW	Importance and use of gypsum	1	10	5	15	25	10	35	50

# ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust	Training title*	Month	Duration	No. of Participants			SC/ST participants			G.Total
Litterprise	Aica			(uays)	М	F	Т	М	F	Т	
Cutting & Tailoring	Ladies Tailor	Ladies Tailor	June	15	-	-	-	-	25	-	25

# iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	par	No. c ticip	of ants	Number of SC/ST			G. Total
				М	F	Т	Μ	F	Т	
On Campus						-	••••••	•		-
4-5.9.17	Agriculture Supervisor, AAO, NGO representatives	Integrated pest management	2 days	10	2	12	18	2	20	30
5-6.12.17	Agriculture Supervisor, AAO, NGO representatives	Organic Farming	2 days	20	-	20	8	2	10	30
15-16.1.18	Agriculture Supervisor, AAO, NGO representatives	Care & maintenance farm machinery & implements	2 days	10	2	12	18	2	20	30

# iv) Sponsored programme

Discipline	Sponsoring	Clientele	Title of the training	No. of	No. of p	oartici	pants	Numb	er of S	SC/ST	G. Total
	agency		programme	course	М	F	Т	М	F	Т	
a) Sponsored training programme											
Multi disciplinery	АТМА	Progressive farmers & field staff	Integrated Farming System	15	50	10	60	290	100	390	450
Multi disciplinery	NGO	Progressive farmers & field staff	Integrated Farming System	5	20	10	30	90	30	120	150
			Total	20	70	20	90	380	130	510	600

# Action Plan for ARYA Project during 2017-18:

The activities under ARYA Project will be taken as per sanction and availability of the budget for the same.

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