

# KRISHI VIGYAN KENDRA, DUNGARPUR



## **ANNUAL ACTION PLAN** **1<sup>st</sup> APRIL 2019 TO 31<sup>st</sup> MARCH 2020** **(UNDER TRIBAL SUB PLAN)**



**DIRECTORATE OF EXTENSION EDUCATION**  
**MAHARANA PRATAP UNIVERSITY OF AGRICULTURE AND TECHNOLOGY,**  
**UDAIPUR (RAJASTHAN)**

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**DETAILS OF ACTION PLAN OF KVK DURING 2019-20  
(UNDER TRIBAL SUB PLAN)  
(1<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020)**

**1. GENERAL INFORMATION ABOUT THE KVK**

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra, Faloj, Dungarpur (RAJ.) Pin code 314 001	Office 02964-265748	FAX 02964-265748	pcdungarpur@gmail.com	

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension Education, MPUA&T, outside Surajpole, (Udaipur)	0294-2417697	0294-2412515	deempuatudr@gmail.com	www.mpuat.ac.in

1.2.b. Status of KVK website : No

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


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		
	Office	Mobile	Email
Dr. C. M. Balai	02964-265748	9414518876	cmpuat@gmail.com

**1.4. Year of sanction: 1992**

**1.5. Staff Position (as on 30 Jan. 2019)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Rs.) Pay Scale	Grade Pay	Present basic (Rs.)	Date of joining	Permanent	Category (SC/ST/OBC/)	Mobile No.	Email id	Please attach recent photograph
1.	Senior Scientist cum Head	Dr. C. M. Balai	Senior Scientist cum Head	Soil Science	37400-67000	9000	49240	21.02.2008	Permanent	SC	9414518876	cmpuat@gmail.com	

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	(Rs.) Pay Scale	Grade Pay	Present basic (Rs.)	Date of joining	Permanent	Category (SC/ST/OBC)	Mobile No.	Email id	Please attach recent photograph
2.	Subject Matter Specialist	Dr. B. L. Roat	SMS (Plant Protection)	Plant Pathology	15600-39100	8000	36040	15.03.2005	Permanent	ST	9414723019	blroat4a4@gmail.com	
3.	Subject Matter Specialist	Sh. P. C. Regar	SMS (Animal Science)	Animal Production	15600-39100	8000	36130	08.03.2008	Permanent	SC	9461264178	pcmpuat@gmail.com	
4.	Subject Matter Specialist	Dr. M. Chaudhary	SMS (Horticulture)	Horticulture	15600-39100	7000	27170	21.08.2007	Permanent	OBC	9461245870	mlchoudhary75@gmail.com	
5.	Subject Matter Specialist	-	SMS (Agronomy)	Agronomy	Vacant								
6.	Subject Matter Specialist	-	SMS(H.Sc.)	Home Science	Vacant								
7.	Subject Matter Specialist	-	SMS (Extension Education)	Agriculture Extension	Vacant								
8.	Farm Manager	Sh. N. L. Ahari	Prog. Assistant	(Ag.)	L13	-	82600	04.05.1991	Permanent	ST	9414723120		
9.	Programme Assistant	-	Prog.Assistant	(H.Sc.)	Vacant								
10.	Programme Assistant	Sh. K. C. Kharadi	Prog. Assistant	(Ag.)	L 11	-	40100		Permanent	ST	9636383424		
11.	Accountant / Superintendent	-	S. O.	-	Vacant								
12.	Accountant / Superintendent				Vacant								

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Temporary/Permanent	Category Others (SC/ST/OBC/)	Mobile No.	Email id	Please attach recent photograph
13	Driver	Sh. Tulsi Ram Dave	Driver	-	L 11	-	64400	25.02.1982	Permanent	Gen.	7465316690		
14	Driver	-	Driver		Vacant								
15	Supporting staff	Sh. Jeeva Ram	Peon	-	L 3	-	33000	24.07.1992	Permanent	ST	8107485217		
16	Supporting staff	Sh. Jawara	Peon	-	L 4	-	33700	01.08.1992	Permanent	ST			

#### 1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	0.80
2	Under Demonstration Units	1.50
3	Under Crops	8.20
4	Horticulture	4.50
5	Pond	0.24
6	Others if any	6.36
	<b>TOTAL</b>	<b>21.60</b>

#### 1.7. Infrastructural Development:

##### A) Buildings

S. No.	Name of building	Source of funding	Stage						
			Complete		Incomplete				
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	ICAR	✓	563					
2.	Farmers Hostel								
3.	Staff Quarters (6)	ICAR	✓						
4.	Demonstration Units (2)								
	STL	ICAR	12.10.06		1084834				
	Garden Room	RSVY	01.09.06		134847				

	Sunken Beds	RSVY	25.02.07		56003		
	Roof Water Harvesting	RSVY	11.12.06		99450		
5	Fencing		Not Fencing				
6	Rain Water harvesting system	ICAR			763751	13.04.07	60X40X3m
7	Threshing floor	ICAR	03.01.07		99900		
8	Farm godown	ICAR	2006				

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2003	358059.00	418906	Not in good condition, Need replacement
Motorcycle	2011	45202.10		Good in working condition
Motorcycle	2007	37042.77		Good in working condition
Tractor	2017	512688.00	372h	Good in working condition
Bolero	2018	697918.00	2736	Good in working condition

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Video Conferencing	2007	43680.00	In Working condition
LCD Projector-1	2005	82620.00	In Working condition
LCD Projector-2	2007	98138.00	In Working condition
Scan Jet Computer	2005	4495.00	In Working condition
Computer-1	2011	39596.00	Not in good condition, Need replacement
Computer-2	2011	39596.00	Not in good condition, Need replacement
Computer-3	2017	60200.00	In Working condition
Computer-4	2017	60200.00	In Working condition
Computer-5	2017	60200.00	In Working condition
HP lesser Jet	2007	6443.00	In Working condition
Lesser printer	2006	17999.00	In Working condition
printer	2011	5710.00	In Working condition
printer	2011	5710.00	In Working condition
Camera Sony Cyber	2006	16990.00	Not in good condition, Need replacement
Camera Sony PVP (handy cam)	2007	26862.00	In Working condition
Photocopier Machine	2017	121490.00	In Working condition
FAX Machine	2007	7173.00	In Working condition
Generator	2009	50,348.00	In Working condition
Camera (Sony)	2009	20,800.0	In Working condition
Fax Machine	2009	14,327.00	In Working condition
PA System	2011		In Working condition
EPABX System	2011	43111.00	In Working condition

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl.No.	Date
1. Scientific Advisory Committee	Sept. 2018

**2. DETAILS OF DISTRICT****2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
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1	Horticulture based integrated farming system
2	Livestock based integrated farming system

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

### a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	AES I (Dungarpur, Bichhiwara and Simalwara block)	Medium rainfall, high elevation and sandy loam soil
2	AES II (Sagwara and Aspur block)	High rainfall, medium elevation and sandy loam soil

### b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES I (Dungarpur, Bichhiwara and Simalwara block)	Medium rainfall, high elevation and sandy loam soil
2	AES II (Sagwara and Aspur block)	High rainfall, medium elevation and sandy loam soil

## 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy loam, Red loam, Red mix soil	Low in N and medium in P, K. and organic carbon	123838
2	Saline Soil	EC>4, pH <8.5, ESP<15	2819
3	Sodic soil	EC<4, pH >8.5-10.0, ESP>15	3928

## 2.4. Area, Production and Productivity of major crops cultivated in the district (2016-17)

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qtl /ha)
1.	Wheat	46988	97791	20.81
2.	Sorghum	200	121	6.05
3.	Gram	11873	13827	11.65
4.	Maize	63500	87289	13.74
5.	Paddy	17681	33644	19.03
6.	Black gram	11748	8666	7.38
7.	Soybean	29191	35659	12.22
8.	Mustard	438	666	15.21
9.	Barley	873	385	32.97
10.	Green gram	30	15	5.00
11.	Minor millets (Kharif)	4572	3658	8.00

Source: Vital Agri. Statistics (Govt. of Rajasthan) 2016-17

## 2.5. Weather data (2017-18)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Total	787.50				

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

Category	Population	Production	Productivity
Cattle			
Crossbred	301	0.406	5.5
Indigenous	425485	30.884/ lactation	2.5 lire/day
Buffalo	234272	77.390/lactation	4.4 lire/day

Sheep	108474		
Goats	391447	9.073	0.369
Pigs			
Crossbred	-		
Indigenous	1097		
Rabbits	40		
Poultry			
Hens	175730		
Desi			
Category		Production (Q.)	Productivity
Fish (Reservoir)			

\*Statical report

## 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
Aspur	Aspur	1. Satu	Crop Production-	Crop Production-	- Assessment of improved varieties, popularization of integrated pest management.
		2. Semal Ghati	Maize, Black gram, Fennel, Arhar,	-Use of local seed	-Assessment of improved varieties, popularization of green gram during zaid season.
		3. Bokadse	Paddy, Soybean, Wheat, Gram and Mustard	-Improper crop geometry	-Assessment of improved varieties & eco friendly pest management.
		4. Masana	Horticulture- Vegetable- Okra, Tomato, Chilli, Brinjal, Onion and Cucurbits	-No seed treatment	-Introduction of high yielding varieties, application of fertilizers based on soil test value & popularization of weed management.
		5. Gara Baba	Fruits- Mango, citrus, guava, papaya and ber	-Under dose of fertilizers	-Assessment of improved varieties, application of fertilizers based on soil test value & integrated pest management
		Animal Production- Cattle, Buffalo, Goat and poultry	Horticulture- very less area under vegetable and fruit crops	-use of local planting	-To diversify area under mango, lime and papaya in fruit & chilli, okra, tomato, brinjal, tuber crops in vegetables.
			Animal Production- Cattle, Buffalo, Goat and poultry	-use of local seed in vegetables	-To promote IPM techniques for crops and vegetables.
				-no plant protection measures	-To increase productivity of cow, buffalo and goat through scientific breeding, feeding & housing management & introduction of PRATAP DHAN breed of poultry for nutritional & livelihood security.
				Animal Production- non disrupted animal breeds	-To develop skills in preservation of locally available fruit like mango, lemon, Anola & vegetables like tomato, chilli, turmeric, carrot etc.
				-poor feeding management	

## 2.8 Priority thrust areas

S.No.	Crop/Enterprise	Thrust areas
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1.	Maize, Paddy	Assessment of improved varieties, popularization of integrated pest management.
2.	Black gram, Green gram	Assessment of improved varieties, popularization of green gram during zaid season.
3.	Soybean	Assessment of improved varieties & eco friendly pest management.
4.	Wheat, mustard	Introduction of high yielding varieties, Application of fertilizers based on soil test value & popularization of weed management.
5.	Chickpea	Assessment of improved varieties , Application of fertilizers based on soil test value & integrated pest management
6.	Horticulture	To diversify area under mango, lime and papaya in fruit & chilli, okra, tomato, brinjal, tuber crops in vegetables.
7.	Plant protection	To promote IPM techniques for crops and vegetables.
8.	Livestock/ Dairying	To increase productivity of cow, buffalo and goat through scientific breeding, feeding & housing management & Introduction of PRATAP DHAN breed of poultry for nutritional & livelihood security.
9.	Value addition	To develop skills in preservation of locally available fruit like mango, lemon, Anola & vegetables like tomato, chilli, turmeric, carrot etc.

### 3. TECHNICAL PROGRAMME

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

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
8	80	180	525
Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
55	1375-1650	22	14450-15000
Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
130	7,80,000-9,80,000		500

**3. B. Abstract of interventions to be undertaken**

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions						
				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	Pest management	Brinjal	Shoot & fruit borer	Management of shoot and fruit borer in brinjal						
2.	Pest management	Chilli	Leaf curl	Management of leaf curl of chilli						
3	Soil Management	Barley	Salinization	Assessment trial of barley crop in salt affected Som Kamla Amba Dam command areas						
4	Nutrient Management	Paddy	Low yield	To assess the partial replacement of inorganic fertilizers through Bio-fertilizers in rice crop						
5	Varietal	Onion	Low productivity	Varietal assessment of rabi onion						
6	Varietal	Watermelon	Low productivity	Varietal assessment of watermelon						
7	Animal Production	Livestock	High mortality in buffalo calf	Effect of selected feeding management interventions to reduce calf mortality in buffalos						
8	Animal Production	Livestock	Low growth rate and production in goats	Effect of selected management interventions on growth and production performance of goats.						

### 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	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruit	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation					1	1				2
Seed / Plant production										
Weed Management										
Integrated Crop Management	1									1
Integrated Nutrient Management	1									1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management					2					2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
<b>TOTAL</b>	<b>3</b>				<b>4</b>					<b>6</b>

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruit	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated 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										
<b>TOTAL</b>										

**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								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management	1			1				2
Feed and Fodder								
Small Scale income generating enterprises								
<b>TOTAL</b>	<b>1</b>			<b>1</b>				<b>2</b>

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

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

**B. Details of On Farm Trial**

**OFT-1 : Management of shoot and fruit borer in brinjal**

Background:

- Shoot and fruit borer is the most destructive pest of brinjal
- Major problem in 60ha area in Dungarpur.
- It infects the crop both in vegetative and fruiting stage of the plant.

**A. Source of technology**

ICAR-Indian Institute of Vegetable Research, Varanasi

**B. Feasible solution**

1. Use of high yielding variety
2. Timely and proper use of PP measures

**C. Treatments**

T1: Farmer practices- Profenophos 40 EC @ 1.0-1.5L/ha

T2: Installation of pheromone trap + spray of Neem oil (1500ppm) @ 5ml/L + spray of spray of Emamectin benzoate (Proclaim) 5% SG @ 0.4g/L (at 45 and 65 days after transplanting)

**OFT-2: Management of leaf curl of chilli**

Background:

- Leaf curl of Chilli is a serious problem in the district.
- The main symptoms are on upward curling puckering & bunching of leaves.
- The affected plants are stunted growth. The disease is transmitted by whitefly, mite etc.

### **A. Source of technology**

SDAU, Sardarkrushi Nagar, Dantiwara

### **B. Feasible solution**

1. Use of high yielding & virus tolerant variety
2. Timely and proper use of PP measures
3. Proper cultivation practices

### **C. Treatments**

1. T1: Farmer practices- Dimethoate 30EC @ 1.0-1.250L/ha
2. T2: Use of yellow strickly and grow border crop- okra + spray with Neem oil (1500ppm) @ 5ml/L water at the initiation of infestation + acetamiprid 20SP @ 0.3gm/L of water at 15 days interval.

### **OFT-3: Assessment trial of barley crop in salt affected Som Kamla Amba Dam command areas**

#### **Background of Som Kamla Amba Dam**

- Approval= 1975
- Complete= 1999
- Actual Cost= 207.06 Crore
- Water Storage capacity=6102MCFT
- Water storage back=441MCFT
- Live storage =5661MCFT
- No. of Gate=13
- Culturable command area=23.72th. Ha.
- Ultimate Irrigation Potential= 18.79th. Ha.
- Total Irrigated Area through Dam= 17724ha.
- Required water for irrigation =4088MCFT
- Losses & Evaporation =341MCFT
- Storage=213.5m
- Depth=13.5m
- Right main canal (RMC)=19.86km
- Aspur Branch canal (ABC)=34.93km
- Baroda Branch Canal (BBC)=23.19km
- Left Main canal (LMC)=9.69km (Jethana in salumber block Udaipur)
- Bhabharana Main canal (BMC)=30.27km (Jhalara in salumber block Udaipur) 1995ha. Irrigated area, water required 460MCFT
- RAYAKI Sprinklar lift irrigation =3865ha. Projected, required water 301MCFT
- **Factors responsible for developing salinity in SKM Cammand area**
  1. Canal seepage
  2. Kachcha canal in some areas.
  3. Farmers grow high water requiring crops- Wheat, Paddy etc.
  4. Low or very low soil depth.
  5. Area is almost stony and Parent rocks having soluble salts

6. Farmers not dividing field into small plots
7. Farmers giving more amount of water to crops in irrigation
8. Farmers not adding good amount of FYM in the field.
9. Farmers not taking crop rotation.
10. Farmers not growing salt tolerant crops like barley, mustard etc.
11. Farmers having less land holding, not taking interest to manage the salts.
12. Farmers not taking green manuring.
13. Farmers taking excess use of chemical fertilizers.
14. Farmers not done deep ploughing of fields.
15. Farmers not adapting management practices

#### Saline soils under Som Kamla Amba Command Area of Aspur Block

S. No.	Gram Panchayat	Affected Area (ha)	Affected Village	No. of farmers affected	Name of Canal
1	Gol	42	4	123	ABC
2	Parda Etivar	35	4	96	ABC
3	Khudara	37	3	107	ABC
4	Aspur	35	1	85	ABC
5	Kheda Aspur	36	3	89	RMC
6	Baroda	42	4	128	RMC
7	Lilwasa	45	3	143	BBC
8	Punjpur	35	4	87	BBC
9	Amritia	35	4	88	BBC
10	Tokwasa	34	3	79	BBC
11	Katisor	35	3	82	BBC
12	Movai	35	3	87	BBC
13	Bhekhred	35	4	89	ABC
14	Lodawal	38	3	103	ABC
15	Munged	42	4	109	ABC
16	Pachlasa Chhota	50	2	127	RMC
17	Pachlasa Bada	45	2	95	RMC
18	Bodigama Bada	32	2	80	RMC
19	Bodigama Chhota	34	3	82	RMC
20	Maal	30	2	100	RMC
21	Kabja	35	3	92	RMC
22	Sabla	34	1	89	ABC
23	Pindawal	30	1	72	RMC
24	Nandali Sagora	12	2	35	ABC
25	Bankoda	15	2	39	BBC
26	Galiyana	10	2	32	BBC
27	Bhevadi	19	2	39	BBC
<b>TOTAL</b>		<b>907</b>	<b>74</b>	<b>2377</b>	

#### Treatments

T1 = Farmers Practice (Rice –wheat cropping system, more amount of water to crops in irrigation, using less FYM, no green manuring, no deep ploughing, sometimes excess use of chemical fertilizers- N & P only), Farmers not taking Barley & Mustard salt tolerant crops

T2 = Deep ploughing (in summer)+ Green Manuring (in rainy season) + FYM+ Incorporation of crops residues (If possible)+ Salt tolerant crops and Varieties (Barley, RD 2715) (All the practices in

same plots for three years)\* Seed rate @125kg/ha+15tone FYM /(10Tone FYM+GM)+75kg N+40 Kg P<sub>2</sub>O<sub>5</sub>

#### **OFT-4: Integrated nutrient management in rice crop**

**Problem diagnose:** Higher cost of chemical fertilizers, Low yield of paddy

**Source of technology:** RAU PUSA BIHAR

**Season and year:** Kharif 2018 & 2019

**Number of trials:** 10 (0.2ha each)

##### **Treatments**

T1 = Farmers Practice (60N+30kg P<sub>2</sub>O<sub>5</sub>)

T2= Recommended practice (120kg N+60kg P<sub>2</sub>O<sub>5</sub>+45kg K<sub>2</sub>O)

T3=Application of 75 % N (90kg N), 100% P and K + PSB@ 2 kg/ha+BGA (Azolla)@10 kg/ha (released after transplanting in rice field.)

##### **Performance indicator/parameter**

- % adoption
- Net Profit (Rs./ha)
- B:C Ratio

#### **OFT-5: Varietal assessment of Rabi onion**

##### **Back ground:**

Onion is one of the most important commercial vegetables. Farmers use all PoP, including recommended rabi onion old variety. About 60 per cent farmer are using of old variety – AFLR, which is susceptible to Purple Blotch, Bottom Rot and Stemphylium Blight and yield this variety is also low. The cost of cultivation of AFLR is high due to Purple Blotch, Bottom Rot and Stemphylium Blight. Hence, to reduce of cost of cultivation and increase the yield an OFT is prepared with consultation of local famers.

##### **A. Source of technology**

National Horticulture and Research Development Foundation, Nasik, MS

##### **B. Feasible solution**

1. Use of high yielding variety
2. Adoption of proper management
3. Resistant / tolerant to insect-pests and diseases

##### **Treatments**

T1= Farmer practices (Local seed)

T2= Recommended Variety (Agri-found Light Red)

T3= NHRDF Red-3 (Late Kharif)

T4= NHRDF Red-4 (Late Kharif)

##### **Accessibility & Suitability**

1. Assessment of new high yielding varieties in Rabi season.
2. Area increased upto 350 ha in last 5 years.
3. T3 and T4 varieties are suitable for the district due to favorable climate

#### **OFT 7: Varietal assessment of Watermelon**

##### **Back ground:**

Watermelon is the fourth largest vegetable of India after Chilli, tomato and Brinjal. Farmers use all the PoP including recommended variety & existing local seed. In North Rajasthan, a rainy season crop of local watermelon variety Mateera is planted because of absence of heavy rainfall during August – September sowing of Thar Manak cultivar of watermelon from 20th December – 20th January. The Thar Manak is tolerant to low Temperature. Hence, to reduce cost of cultivation, higher yield through drip. An OFT is prepared with consultation of local farmers.

#### **A. Source of technology**

ICAR- CIAH, Bikaner & ICAR-IIHR, Bangalore

#### **B. Feasible solution**

1. Use of high yielding variety
2. Adoption of proper management
3. Resistant / tolerant to insect-pests and diseases
4. Short duration
5. Suitable for drip

#### **Treatments**

T1= Farmer practices (Local seed)  
T2= Thar Manak  
T3= AHK-19  
T4 =Arka Aiswarya  
T5= Arka Akash

#### **Accessibility & Suitability**

1. KVK, Introduced high yielding suitable variety for sowing on drip and short duration Area of 50 ha in last 3 years & farmers seed sowing in 20th December – 20th January on drip with black polythene mulching

#### **OFT-7: Effect of selected feeding management interventions to reduce calf mortality in buffaloes**

##### **Back ground:**

Buffaloes are reared only for milk production in Dungarpur district. There is good population of buffaloes is reared by farmers in the district. Due to lack of scientific intervention buffaloes are in production potential is poor and Calf mortality in buffalo's common problem in buffaloes in the district.

#### **A. Source of technology**

National Dairy Research Institute (NDRI)- Karnal

#### **B. Feasible solution**

1. Feeding a mixture of Mustard oil and Turmeric powder to buffalo calf for a period of one month

#### **Treatments**

T1= Farmer practices (Existing feeding management practices)  
T2= Farmer practices + Feeding a mixture of Mustard oil @ 50g/day/calf and Turmeric powder @ 10g/day/calf

#### **Accessibility & Suitability**

1. Assessment of mortality rate of calf

#### **OFT-8: Effect of selected management interventions on growth and production performance of goats.**

##### **Back ground:**



Goat farming in tribal area of Dunglepur is a important component for employment generation and livelihood hood security for tribal farmers. Huge availability of goats in tribal area is a good resource for employment generation and there is no any social taboo for its consumption of meat as well as milk. Goat milk is also good for child, pregnant women and old age people.

A. Source of technology

National Dairy Research Institute (NDRI) - Karnal

B. Feasible solution

1. Use of balance ration

2. Use of deworming and vaccination

Treatments

T1= Farmer practices (Existing feeding management practices)

T2= Farmer practices + Vaccination and deworming

Accessibility & Suitability

1. Assessment of production performance of goats.

2. Assessment of reproduction performance of goats.

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Soybean (NFSM-Oilseeds)	JS 20-29	ICM	-Improved seed, seed treatment -Weed management, INM, IPM	Seed, Bio-fertilizers, Pheromone trap, weedicide, Insecticide	Kharif 19	40.0	100	Yield
2	Black gram (NFSM-Pulses)	Mukudra Urd-2 / Pratap Urd 1	ICM	-Improved seed, seed treatment, -Weed management, INM, IPM	Seed, Bio-fertilizers, Pheromone trap, weedicide, Insecticide	Kharif 19	25.0	75	Yield
3	Maize	Bio 9782	ICM	-Improved seed, seed treatment, -Weed management, INM, IPM	Seed, Bio-fertilizers, weedicide, Insecticide	Kharif 19	10.0	25	Yield
4	Paddy	PS 5	ICM	- Improved seed, seed treatment, -Weed management, INM, IPM	Seed, Bio-fertilizers, weedicide, Insecticide	Kharif 19	10.0	25	Yield
5	Mustard (NFSM-Oilseeds)	RH 406	ICM	-Improved seed, seed treatment -Line sowing, RDF	Seed, Biofertilizer	Rabi, 19	10.0	25	Yield
6	Barley	RD 2786	ICM	Improved seed, seed treatment -Line sowing, RDF	Seed, Biofertilizer	Rabi, 19-20	10.0	25	Yield
7	Gram (NFSM-Pulses)	GNG1958	ICM	- Improved seed, seed treatment, -Weed management,	Seed, Bio-fertilizers, Pheromone trap,	Rabi, 19-20	30.0	75	Yield

				INM, IPM	Insecticide					
8	Green Gram (NFSM-Pluses)	IPM 02-0/3GAM 5/IPM 205-7	ICM	- Improved seed, seed treatment, -Weed management, INM, IPM	Seed, Bio-fertilizers, Pheromone trap, Insecticide	Zaid 19-20	20.0	50	Yield	
9	Tomato	Dev / Arka Rashak	ICM	Improved seed, seed treatment -Line sowing, RDF	Seed	Kharif 19	5.0	25	Yield	
10	Onion	AFLR	ICM	Improved seed, seed treatment -Line sowing, RDF	Seed	Rabi 19-20	5.0	25	Yield	
11	Okra	Jamuna / Kanshi Kranti	ICM	Improved seed, seed treatment -Line sowing, RDF	Seed	Rabi 19-20	10.0	50	Yield	
12	Lucerne	Kuchi	ICM	Improved seed, seed treatment RDF	Seed	Rabi 19-20	5.0	25	Yield	
<b>TOTAL</b>							<b>180</b>	<b>525</b>		

### Sponsored Demonstration

Crop/Enterprise	Area (ha)	No. of farmers
Azolla	50	50
Nutrikit	100	100
Vermicompost Unit	25	25

### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	8		1250
2	Farmers Training	5		150
3	Media coverage	15		
4	Training for extension functionaries	4		100

### C. Details of FLD on Enterprises

#### (i) Farm Implements

Name of the implement	Crop	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
Goatry	Sirohi buck	10	10	Buck	Breed improvement
	Sirohi goat	10	10	goat	Milk/meat
poultry	Pratap Dhan	50	1000	Chicks	Eggs
Rabbit farming	Soviet chinchilla, Grey gaint, black gaint and white gaint	100	20	Rabbit	Meat

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

**A) ON Campus**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1						25-30	
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming	2						50-60	
Water management								
Seed production								
Nursery management								
Integrated Crop Management	1						25-30	
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops								
Off-season vegetables	1						25-30	
Nursery raising	1						25-30	
Exotic vegetables like Broccoli								
Export potential vegetables	1						25-30	
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards	1						25-30	
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management								

**B) OFF Campus**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1							25-30
Resource Conservation Technologies								
Cropping Systems	1							25-30
Crop Diversification	1							25-30
Integrated Farming	1							25-30
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	4							100-120
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	1							25-30
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	1							25-30
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology	1							25-30
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management								

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	2							50-60
Resource Conservation Technologies								
Cropping Systems	1							25-30
Crop Diversification	2							50-60
Integrated Farming	2							50-60
Water management								
Seed production								
Nursery management								
Integrated Crop Management	1							25-30
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	4							100-120
Off-season vegetables	1							25-30
Nursery raising	1							25-30
Exotic vegetables like Broccoli								
Export potential vegetables	1							25-30
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards	1							25-30
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	1							25-30
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	1							25-30
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology	1							25-30
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								



Details of training programmes attached in **Annexure -I**

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

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	8									1250
KisanMela	1									1800
Kisan Ghosthi	4									400
Exhibition	3									500
Film Show	6									300
Farmers Seminar										
Workshop										
Group meetings	3									150
Lectures delivered as resource persons	50									1500
Newspaper coverage	46									
Radio talks	5									
TV talks	3									
Popular articles	8									
Extension Literature	8									
<b>Advisory Services</b>										
Scientific visit to farmers field	80									800
Farmers visit to KVK	7000									7000
Diagnostic visits	20									150
Exposure visits	1									50
Ex-trainees Sammelan										
Soil health Camp	1									100
Animal Health Camp	2									150
Agri mobile clinic										
Soil test campaigns										
Farm Science Club										
Conveners meet										
Self Help Group										
Conveners meetings										
MahilaMandals										
Conveners meetings										
Celebration of important days (specify)	1									100
Krishi Mohostva										
KrishiRath										
Pre Kharif workshop	1									100
Pre Rabi workshop	1									100
PPVFRA workshop										
Any Other (Specify)										
<b>Total</b>										<b>14450</b>

### 3.5 Target for Production and supply of Technological products: SEED MATERIALS

SI. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>			
<b>OILSEEDS</b>			
<b>PULSES</b>	Black gram	Pratap Urd 1	70
	Gram	GNG 1958	60
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>			

### PLANTING MATERIALS

Crop	Variety	Quantity (Nos.)
<b>Fruit Plants</b>		
Papaya seedling	Red laddy 786	15000-18000
Lime (Goottee)	Kagzi	5000-6000
Mango	Mallika, Amrapali, Kesar	5000-6000
Guava	L 49	1000-1200
Jackfruit	Local Selection	5000-6000
Jamun	Local Selection	4000-5000
<b>TOTAL</b>		<b>35000-42200</b>
<b>Vegetable Seedlings</b>		
Onion	ALFR	5-6lakh
Chilli	Vaishnavi	1-1.25lakh
Tomato	Dev	60000-65000
Brinjal	Chhaya	40000-45000
Cole crops	F1	10000-15000
Cucurbits	F1	5000-6000
Moringold	Pusa Narangi	5000-6000
	<b>TOTAL</b>	<b>7.8-9.8lakh</b>

### Bio-products

SI. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1				
2				

### LIVESTOCK

SI. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT	Sirohi goat	Sirohi	50	
	Breeding bucks	Sirohi	10	
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

### 3.6. Literature to be Developed/Published

#### (A) KVK News Letter

Date of start :  
 Number of copies to be published :

#### (B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	4
3	News letters	0
4	Training manual all discipline	3
5	Popular article	6
6	Extension literature	6
<b>Total</b>		<b>21</b>

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			

**3.7. Success stories/Case studies identified for development as a case. -**

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

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

**Practicing Farmers**

- a)
- b)

**Rural Youth**

- a)
- b)

**In-service personnel**

- a)
- b)

**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
- v) Others if any

**For FLD :**

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

**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 :2006

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Double Distillation Unit	1	77490.00
2	Digital Electronic Lab. balance	1	97012.00
3	Balance Digital Single pan top loading	1	9500.00
4	Hot Plate	1	3040.00
5	Digital pH meter	1	8336.00
6	Digital Conductivity meter	1	8483.00
7	Spectrophotometer	1	43875.00
8	Flame Photometer	1	48750.00
9	Rotary Shaker (Heavy duty)	1	25650.00
10	Rotary Shaker (light weight)	1	16150.00
11	Kjeldahl Digestion cum Distillation Apparatus	1	19950.00
12	Kjeldahl Digestion unit	1	28500.00
13	Laboratory Oven	1	19475.00
14	Willey Grinder	1	27075.00
15	Refrigerator Double Door	1	24100.00
16	AAS	1	

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	500	10	
Water	50	50	10	
Plant				
<b>Total</b>	<b>550</b>	<b>550</b>	<b>10</b>	

## 4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Deptt. of Agriculture	Trainings & meeting
2.	Deptt. of Animal Husbandry	Trainings & meeting
3.	Deptt. of Forest	Plantation and van mahautasav
4.	DRDA	Trainings,
5.	ICAR-NRCSS, Ajmer	Trainings, Demonstrations
6.	ICAR- CSWRI, Avikanagar	Trainings, Demonstrations
7.	Cooperative	Trainings,
8.	Panchayat samittee	Trainings
9.	ICDS	Trainings
10.	Gram Panchayat	Trainings
11.	NGO- EFFICOR	Trainings
12.	NGO-SEWA	Trainings
13.	Udaipur Dugdh Utpadak Sahkari Sangh Ltd	For Cattle feed, Minral mixture
14.	KVSS	Agriculture inputs
15.	RSLDC, Jaipur	Trainings
16.	RGVP	Trainings

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district- YES

S. No.	Programme	Nature of linkage
1	FLD on Vegetables –	Trainings and Demonstrations
2	Innovative activities (Azolla)	Trainings and Demonstrations

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

S. No.	Programme	Nature of linkage
1		
2		

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

#### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	Farmers training programmes	45
2	Sponsored Training programmes	100
<b>Total</b>		<b>145</b>

#### 6.0 Convergence with departments :

1. Deptt. of Agriculture
2. Dept. of Horticulture
3. Deptt. of Animal Husbandry
4. Deptt. of Forest
5. ICDS
6. DRDA

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

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

Annexure - I

#### Training Programme

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

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>*Crop Production</b>										
May, 19	PF	Production technology of Black gram and soybean	4							25-30
July, 19	PF	Weed management in maize, paddy and soybean	4							25-30
Oct., 19	PF	Integrated farming system	4							25-30
Feb., 20	PF	Organic farming	4							25-30
<b>Horticulture</b>										
April. 19	PF	Cucurbits cultivation technology	4							25-30
July, 19	PF	Layout and Management of Orchards, mango, lime & Papaya	4							25-30
Oct., 19	PF	Nursery Management of	4							25-30

		vegetables								
Feb.,20	PF	Production technology of okra & chilli	4							25-30
<b>Livestock prod.</b>										
May, 19	PF/FW	Commercial Dairy farming	4							25-30
Aug., 19	PF	Commercial goat farming	4							25-30
Nov., 19	PF/FW	Broiler farming in rural area	4							25-30
Feb.,20	PF/FW	Clean milk production	4							25-30
<b>Agril. Engg.</b>										
	PF									
<b>*Home Sc.</b>										
June,19	PF	Drudgery reducing tools and techniques for farm activities	4							25-30
Sept, 19	PF	Preparation of low cost nutritious recipes	4							25-30
Oct., 19	PF	Soybean Processing and its value added products	4							25-30
Dec., 19	PF	Fruit & Vegetable Preservation (Aonla, Lemon, Tomato etc.)	4							25-30
<b>Plan prot.</b>										
June, 19	PF	IPM in soybean and paddy	4							25-30
July, 19	PF	Judicious use of pesticides	4							25-30
Aug.,19	PF	IPM in chilli, brinjal and okra	4							25-30
Oct.,19	PF	IPM in gram and mustard	4							25-30
<b>Fisheries</b>										
	PF									
	PF									
<b>Soil Health</b>										
May, 19	PF	Reclamation of problematic soils.	4							25-30
Sept., 19	PF	Resource conservation technologies for sustaining soil health	4							25-30
Oct., 19	PF	Soil health Management	4							25-30
Feb., 20	PF	Vermicompost production technology	4							25-30

**ii) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>*Crop Production</b>										
May, 19	PF	Techniques of maize cultivation	1							25-30
June, 19	PF	Black gram production technology	1							25-30
Sept.,19	PF	Improved cultivation practices of mustard	1							25-30
Oct., 19	PF	Weed management in Wheat & Gram	1							25-30
<b>Horticulture</b>										

April, 19	PF	Tuber crops production technology	1							25-30
May, 19	PF	Tomato production technology	1							25-30
June, 19	PF	Rejuvenation of old orchards	1							25-30
July, 19	PF	Propagation techniques of fruit plants	1							25-30
Sept., 19	PF	Cultivation of seed spices	1							25-30
Oct., 19	PF	Onion production technology	1							25-30
Feb., 20	PF	Chilli production technology	1							25-30
<b>Livestock Production.</b>										
June, 19	PF	Mineral mixture supplementation with animal feed	1							25-30
July, 19	PF	Care and management of dairy animals	1							25-30
Oct., 19	PF	Care and management of goatry and poultry	1							25-30
Jan., 20	PF	Feeding management of dairy animals	1							25-30
<b>Agril. Engg.</b>										
	PF									
<b>*Home Sc.</b>										
April, 19	PF	Nutri- garden	1							25-30
May, 19	PF	Mango preservation	1							25-30
Aug., 19	PF	Drudgery reduction tools for farm women	1							25-30
Feb., 19	PF	Preparation of Iron and protein rich products	1							25-30
<b>Plant Protection</b>										
June, 19	PF	Seed treatment in black gram & soybean	1							25-30
July, 19	PF	Pest control in maize and paddy	1							25-30
Oct., 19	PF	Management of gram pod borer	1							25-30
March, 20	PF	Safe storage of food grains	1							25-30
<b>Fisheries</b>										
	PF									
<b>Soil health</b>										
May, 19	PF	Techniques of soil sampling	1							25-30
July, 19	PF	Vermicomposting	1							25-30
Oct., 19	PF	Role of Sulphur in oilseed crops	1							25-30
March.,20	PF	Role of gypsum in reclamation of alkali soils	1							25-30

\* Trainings of Agronomy & H. Science discipline will be organized, if the SMS would be available.

### iii) Vocational training programmes for Rural Youth (Sponsored)

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	

### iv) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration	No. of	Number	G.

			on in days	participants			of SC/ST			Total
				M	F	T	M	F	T	
<b>On Campus</b>										
	Ag. Supervisors & AAOs	Off season vegetable cultivation	2							25-30
	Ag. Supervisors & AAOs	Reclamation of problematic soils	2							25-30
	Ag. Supervisors & AAOs	IPM in gram and mustard	2							25-30
	LSA & VA	Scientific dairy farming	2							25-30

**v) Sponsored programme- As per the allotment of the line departments.**

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
			<b>Total</b>								
<b>b) Sponsored research programme</b>											
			<b>Total</b>								
<b>c) Any special programmes</b>											
			<b>Total</b>								