# ANNUAL ACTION PLAN April 2019 to March 2020

Presented at Zonal Workshop for KVKs

Venue: ATARI, Patna Date: 16-17 April, 2019



# Action Plan 2019-20

- 1. Name of the KVK: Krishi Vigyan Kendra, Muzaffarpur (Additional)
- Name of host organization: Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar
- 3. Thrust Area:
  - (i) Improve the productivity/income of different agricultural & allied enterprises.
  - (ii) Diversification /Intensification of farming system towards cash crops.
  - (iii) Skill up-gradation of farmers/farm women, rural youth & extension workers.
  - (iv) Promotion of allied agri-based enterprises such as mushroom production, bee keeping fisheries etc., among unemployed youths through vocational training.
  - (v) Rejuvenation of old orchards and development of new orchards.
  - (vi) Self-employment generation of farm women & rural youth.
- 4. Training programme to be organized (April 2019 to March 2020)

#### (a) Farmers and farmwomen

Thematic Area	Title	No. of Courses	Dura -tion	No.	No. of participants for each training				
			(days	SC	ST	Other	Total	S	
			)			S			
	I Ou	arter (Apr	il 2019 to	o June	2019)	)			
Integrated	IPM in Kharif	2	2	5	-	15	20	40	
Pest	vegetables								
Management									
Integrated	Seed	2	2	5	-	15	20	40	
Disease	Treatment of								
Management	Paddy:								
	Method &								
	Benefits								
Bio control	Use of	2	2	5	-	15	20	40	
of pest and	Trichoderma								
diseases	in seed								
	treatment								
Minimizatio	Proper	3	2	5	-	15	20	60	
n of nutrient	cooking								
loss in	methods for								
processing	better								
	retention of								
	nutrients								
Store loss	House hold	3	2	5	-	15	20	60	
minimizatio	insect pest								
n technique	management								

Cultivation	Scientific	2	2	5	<u> </u>	15	20	40
	Cultivation of	Z	2	3	-	15	20	40
of vegetable								
	Okra,							
	Cucumber	- 1		-		1.5	•	2.0
Production	Production	1	2	5	-	15	20	20
and	and							
Management	Management							
Technology	of Turmeric							
	and							
	Amorphophall							
	US							
Nursery	Nursery	1	2	5	-	15	20	20
raising	raising of							
	Papaya							
Nursery	Nursery	1	2	5	-	15	20	20
raising	raising of							
e	solanaceous							
	crop							
Yield	Use of plant	1	2	5	-	15	20	20
Increment	growth			_		-	-	
	regulators in							
	enhancement							
	of vegetable							
	yield							
Integrated	Fish Based	2	2	5	_	15	20	40
Fish	Integrated	2	2	5		15	20	υ
Farming	Farming							
C	System with							
	Livestock							
Carp	Common Carp	2	2	5	-	15	20	40
breeding and	Breeding							
hatchery	Techniques							
management	Advanced	2	2	5	_	15	20	40
Carp fry and		L		5	-	15	20	40
fingerling	techniques in							
rearing	management							
	of nursery and							
	rearing ponds	1	2	_		1.5	20	
Use of Plastics in	0	1	2	5	-	15	20	20
farming	crops with							
practices	inorganic							
[	materials							
Installation	Suitable	1	2	5	-	15	20	20
&	micro-							
maintenance	irrigation							
of Micro								
irrigation	different							
systems								

	horticultural							
	crops							
Other	Role of	1	2	5	-	15	20	20
	bunding and							
	trenching in							
	land and water							
	management							
Other	Use of	1	2	5	-	15	20	20
	different types							
	of weeder in							
	cereal and							
	vegetable							
	crops							
Other	Management	1	2	5	-	15	20	20
	of							
	biodegradable							
	and non-							
	biodegradable							
	waste							
Other	An integrated	1	2	5	-	15	20	20
	approach to							
	enhance							
	resource and							
	nutritional							
	value of crops	• •	• •	0.7			• • • •	60.0
	Total	30	38	95	-	285	380	600
	II Quar	ter (July 2	019 to S	eptemb	oer 20	19)		
Integrated	Integrated pest	2	2	5	-	15	20	40
Pest	management							
Management	of paddy							
	nursery							
Integrated	IDM in paddy	2	2	5	-	15	20	40
Disease								
Management								
Bio control	Use of Bio	1	2	5	-	15	20	20
of pest and	agents to							
diseases	manage pest							
	of pigeon pea							
Production	Method to	1	2	5	-	15	20	20
of Bio	make pesticide							
Controls	from Neem							
agents and	seed							
bio								
pesticides								

Women and	Importance of	2	2	5		15	20	40
child care	-	Z	Δ.	5	-	13	20	40
child care	safe drinking water and							
	making use of Janta filter							
Women and	Immunization	2	2	5		15	20	40
child care	schedule for	2	2	5	_	15	20	<b>-</b> U
child calc	children and							
	pregnant							
	women							
Capacity	Art of flower	2	2	5	_	15	20	40
building	arrangement in	2	-	5		10	20	10
through	bouquet, vase,							
entrepreneur	stage							
development	decorations							
Carp	etc. Techniques	2	2	5	_	15	20	40
breeding and	involved in	2	2	5	-	15	20	40
hatchery	Induced							
management	Breeding of							
	Carp using							
	pituitary							
	extract							
Catfish	Induced	2	2	5	_	15	20	40
breeding and	Breeding of	-	_	C C		10		
hatchery	Catfishes							
management	(especially							
	Magur &							
Fish feed	Singhi) Feed	2	2	5	_	15	20	40
preparation	preparation	2	2	5		15	20	τU
& its	and its							
application	management							
	in different							
	types of							
Cultivation	fisheries pond Scientific	1	2	5	_	15	20	20
of Vegetable	cultivation of	1	2	5		10	20	20
U	Tomato							
Cultivation	Scientific	2	2	5	_	15	20	40
of Fruit	cultivation of	-	_					
	Papaya and							
	guava							
Nursery	Nursery	1	2	5	_	15	20	20
raising	raising of Cole	-		-				
6	vegetable crop							
Integrated	Integrated	1	2	5	-	15	20	20
Nutrient	Nutrient in							
Management	Cauliflower							
F								

		-		-	1	1.7	20	•
Protective	Protective	1	2	5	-	15	20	20
Cultivation	Cultivation of							
(Greenhouse	capsicum and							
s, shade, Net	tomato							
etc.)								
Installation	Suitable	1	2	5	-	15	20	20
&	micro-							
maintenance	irrigation							
of Micro	methods in							
irrigation	different							
systems	horticultural							
	crops							
Repair and	Maintenance	1	2	5	-	15	20	20
maintenance	of primary and							
of farm	secondary							
machinery	tillage							
and	implements							
implements	-							
Other	Management	1	2	5	-	15	20	20
	of weeds by							
	different types							
	of weeder in							
	cereal and							
	vegetable							
	crops							
Other	Methods of	1	2	5	-	15	20	20
	water							
	management							
	in field							
Other	Importance of	1	2	5	-	15	20	20
	drainage in							
	farming							
Other	Use of farm	1	2	5	-	15	20	20
	equipments for							
	increasing							
	profitability							
	Total	30	42	105	-	315	420	600
		er (Octobe			nber 2	-	• •	
Integrated	Integrated pest	2	2	5	-	15	20	40
Pest	management							
Management	of Rabi pulse							
	crops			_				
Integrated	Integrated	1	2	5	-	15	20	20
Disease	Disease							
Management								

	Managant							
	Management							
	in potato			-		1.5	•	10
Bio control	Use of Bio	2	2	5	-	15	20	40
of pest and	agents to							
diseases	manage pest							
	of vegetable							
Production	Method to	1	2	5	-	15	20	20
of Bio	make pesticide							
Controls	from Tobacco							
agents and	leaves							
bio								
pesticides								
Drudgery	Importance	2	2	5	-	15	20	40
reduction	and use of							
technology	common post-							
85	harvest							
	implements							
	(maize sheller)							
	& weeding							
	implements							
	-							
Compositar	(Grabar)	2	2	5		15	20	40
Capacity building	Making products from	L		5	-	13	20	40
through	discarded							
entrepreneur	cloths							
development								
Value	Juice making	2	2	5	-	15	20	40
addition	from different							
	fruits and							
D 1 1	vegetables	2	2	~		1.7	20	40
Poly-house	Grow-out	2	2	5	-	15	20	40
prawn farming	prawn culture and its							
Tarining	management							
Ornamental	Breeding and	2	2	5	_	15	20	40
fisheries	culture of	-	_	U		10	20	
libiioiios	ornamental							
	fishes							
Pearl culture	Advanced	2	2	5	_	15	20	40
	techniques	<i>L</i>	<u>_</u>	5		15	20	υ
	involved in							
	pearl farming							
Production	Production	2	2	5	-	15	20	40
and	Technology of							
Management	Major Spices							
technology	crop.							
Production	Scientific	1	2	5	-	15	20	20
and	cultivation and	-						
	production							
	riouucuon							

Management	Management							
technology	of Potato.							
Nursery	Nursery	1	2	5	_	15	20	20
Management	-	1	2	5		15	20	20
Wanagement	cultivation of							
	Marigold							
Production	Cultivation of	1	2	5	_	15	20	20
of low	Broccoli	1	2	5		15	20	20
Volume and	Dioceon							
high value								
crops								
Off season	Cultivation of	1	2	5	_	15	20	20
Vegetable	Vegetable	1	-	5		10	20	20
vegetuble	under low							
	poly tunnel							
Installation	Suitable	1	2	5	-	15	20	20
&	micro-	1	_	Ũ		10	20	20
maintenance	irrigation							
of Micro	method in							
irrigation	different							
systems	vegetable							
	crops							
Repair and	Maintenance	1	2	5	-	15	20	20
maintenance	of harvesting							
of farm	and tillage							
machinery	equipments							
and								
implements								
Use of	Mulching of	1	2	5	-	15	20	20
Plastics in	vegetable							
farming	crops with							
practices	inorganic							
	materials							
Other	An integrated	1	2	5	-	15	20	20
	approach to							
	enhance							
	resource and							
	nutritional							
	value of crops							
Other	Importance	1	2	5	-	15	20	20
	and uses of							
	solar water							
	pumping							
Other	Role of	1	2	5	-	15	20	20
	rainwater							

	harvesting in							
	farming	20	12	105		215	120	(00
	Total	30	42	105	-	315	420	600
	IV Quar	ter (Janua	ary 2020	to Ma	rch 2(	020)		
Integrated	Integrated pest	2	2	5	-	15	20	40
Pest	management							
Management	in mango and							
	litchi fruit							
	plants							
Integrated	Management	2	2	5	-	15	20	40
Disease	of yellow							
Management	mosaic disease							
	in green gram							
Bio control	Use of	2	2	5	-	15	20	40
of pest and	Trichoderma							
diseases	for disease							
	management							
Household	Kitchen	2	2	5	-	15	20	40
food security	gardening for							
	better family							
	health and							
	nutrition							
Value	Preparation of	2	2	5	-	15	20	40
addition	value added							
	products from cereals,							
	vegetables and							
	fruits.							
Store loss		2	2	5	-	15	20	40
minimizatio	storage for							
n technique	perishable							
	vegetables and fruits							
Pen culture	Best	2	2	5	-	15	20	40
of fish and	managements							
prawn	practices							
-	involved in							
	pen culture							
Fish	Disease	2	2	5	-	15	20	40
Diseases	management							
	in freshwater							
Fish	fish farming	2		5		15	20	40
Fish	Preparation of	2	2	3	-	15	20	40
processing	different value							
and value addition	added							
auunion	products and							
	by products							

	from low-cost							
<b>.</b>	fishes.	1				1.5	20	20
Integrated	Integrated	1	2	5	-	15	20	20
Nutrient	Nutrient							
Management	Management							
	in Onion							
Cultivation	Scientific	1	2	5	-	15	20	20
of Vegetable	cultivation of							
	Cow pea							
Yield	Use of Growth	2	2	5	-	15	20	40
Increment	hormone to							
	increase the							
	yield in							
	vegetable							
Micro	Importance	1	2	5	-	15	20	20
irrigation	and methods							
systems of	of use of							
orchards	Sprinkler and							
	Drip irrigation							
	in orchards							
	and field							
Layout and	Orchard	1	2	5	_	15	20	20
Management	management	-	_	C C				
of Orchards	in Mango and							
or orenards	Litchi							
Installation	Efficient use	1	2	5	-	15	20	20
&	of water	1	-	5		10	20	20
maintenance								
of Micro	irrigation							
irrigation	IIIgation							
-								
systems	Ducucu	1	2	5		15	20	20
Repair and	Proper care and	1	2	5	-	13	20	20
maintenance								
of farm	maintenance							
machinery	of farm							
and	equipments for							
implements	long term use			-			•	• •
Other	Organic	1	2	5	-	15	20	20
	mulching for							
	enhancing							
	moisture							
	content and							
	reduction in							
	weeds							
Other	Importance of	1	2	5	-	15	20	20
	levelling in							

	farming system							
Other	Utilization of harvesting equipment to reduce labor cost and drudgery	1	2	5	-	15	20	20
Other	Effect of rainwater harvesting for better management in farming	1	2	5	_	15	20	20
	Total	30	40	100	-	300	400	600
	GRAND TOTAL	120	162	405	-	1215	1620	2400

# (b) Rural youths

Thematic	Title	No. of Cours	Dura- tion	No.	-	rticipant training		Total trainees
Area*	The	es	(days)	SC	S T	Other s	Tota l	
Bee keeping	Management of bee colony in different seasons	3	5	5	-	15	20	60
Production of organic input	Preparation of pesticides from neem and tobacco extract	3	2	5	-	15	20	60
Seed Production	Seed production of cucurbits	1	5	5	-	15	20	20
Nursery raising	Nursery raising techniques of cucurbits in poly tunnel.	2	5	5	-	15	20	40
Protected cultivation	Protected cultivation of	2	2	5	-	15	20	40

	horticultural							
	crops							
Cultivation	Cultivation	1	5	5	-	15	20	20
of fruits	of fruits by	-	-					
	HDP system							
Fish harvest	Preparation	2	2	5	-	15	20	40
and	of different							
processing	value added							
technology	products and							
	byproducts							
	from fish							
Carp fry and	Pre and post	2	2	5	-	15	20	40
fingerling rearing	stocking Pond							
Tearing	Management							
Ornamental	Aquarium	2	3	5	-	15	20	40
fisheries	making and							
	culture of							
	ornamental							
	fishes							
Income	Mushroom	2	5	5	-	15	20	40
generation	Production	2	3	5		15	20	40
Income generation	Healthy recipe for	Z	3	5	-	13	20	40
generation	Fast food and							
	maintenance							
	of food							
Capacity	hygiene Garment	1	15	5	_	15	20	20
building	designing	1	15	5		15	20	20
through	and fabric							
entrepreneur	making							
development Post-harvest	Ducucusticu	1	3			15	20	20
	Preparation of green and	1	3		-	15	20	20
technology	ripe mango							
	squash							
Protected	Management	2	5	5	_	15	20	40
cultivation of		-	C	C .			_ •	
vegetable	nutrients in							
crops	vegetable							
	crops							
	through							
	protected							
	cultivation							
	and its types							
	and							
	installation							

Post-Harvest	Packaging	2	5	5	-	15	20	40
Technology	and storage							
	of different							
	cereal crops							
	and fruits							
Repair and	Repair and	2	5	5	-	15	20	40
maintenance	Maintenance							
of farm	of farm							
machinery	machinery &							
and	implements							
implements	for long term							
	use							
	Total	30	68	95	-	285	380	600

# (c) Extension functionaries

Thematic	Title	No. of	Dura-	]	No. of	participa	ints	Total
Area*	1 itie	course s	tion (days)	SC	ST	Others	Total	trainee s
Integrated	New	1	2	5	-	15	20	20
disease	approaches							
management	in disease							
	management							
	of crops and							
	vegetable							
Integrated	New	2	2	5	-	15	20	40
pest	approaches							
management	in pest							
	management							
	of crops and							
	vegetable							
Bio-pesticides	New	1	2	5	-	15	20	20
& bio rational	approaches							
	in use of bio-							
	pesticides &							
	bio rational							
	for pest							
× 1	management	-					• •	4.0
Low cost and	Nutrient	2	3	5	-	15	20	40
nutrient	Management							
efficient fish	in fish							
farm design	farming pond							
	to reduce							
<b>C</b> 1	input cost	1	2	~		1.5	20	20
Gender	Role of	1	3	5	-	15	20	20
mainstreamin	women in							
g through	fisheries							
SHGs	sector	1	2	-		1.7	20	20
Capacity	Possible	1	3	5	-	15	20	20
building for	ways to							

ICT	ima 1 and a set							]
ICT	implement							
application	ICTs in fish							
	farmers for							
	better							
	communicati							
<b>DD</b> (	on			-			•	20
INM	INM in	1	2	5	-	15	20	20
(Integrated	vegetable							
Nutrient	and fruits							
Management)	crops							
Nursery	Technique of	1	2	5	-	15	20	20
Raising	raising							
	seedling in							
	portray.							
Protected	Protected	1	2	5	-	15	20	20
Cultivation	cultivation of							
	fruits &							
	vegetable							
	crops							
Yield	Use of	1	2	5	-	15	20	20
increment	growth							
	hormone to							
	increase the							
	yield in							
	vegetable							
	crops							
Early	Early	1	2	5	-	15	20	20
childhood	childhood							
education	teaching							
	methods							
Health and	Immunizatio	2	2	5	-	15	20	40
nutrition	n schedule							
	for pregnant							
	women and							
	children							
Health and	Weaning/	1	2	5	-	15	20	20
nutrition	complimenta							
	ry food for							
	children							
WTO & IPR	Impact of	2	3	5	-	15	20	40
issues	World Trade							
	Organization							
	&							
	Intellectual							
	Property							
	Rights issues							
Productivity	Utilization of	1	3	5	-	15	20	20
enhancement	different							
in field crops	tillage and							
	harvesting							
	equipment							
	for							
	productivity							

	enhancement in field crops							
Protected cultivation technology	Implementati on of poly houses and greenhouses in farming	1	3	5	-	15	20	20
	Total	20	37	80	-	240	320	400

### (d) Vocational

Thematic	Title	No. of	Duration	No. of participants for each training			
Area*		courses	(days)	SC	ST	Others	Total
Mushroom production	Low cost mushroom production technique for rural employment	1	7	5	0	15	20
Beekeeping	Advances in honey production	1	7	5	0	15	20
IFS	Fish based Integrated Farming System	1	7	5	0	15	20
	Total	3	21	15	0	45	60

#### 5. Frontline demonstration

Season	Сгор	Variety/ Technology	No. of demonstration	No. of area (ha)
Kharif 2019	Okra	Kashi Kranti	20	0.4
Rabi 2019-20	Chili	CO-3	20	0.4
Kharif 2018	Paddy	Pheromone trap with lure	50	10.0
Rabi 2018-19	IPM technology	Bio-control of vegetables	20	5.0
Kharif 2019	Maize	Maize dehusker cum sheller (Power operated)	15	5
Rabi 2019-20	Lentil, Pea and Wheat in line sowing	Weeder (Grubber)	15	5
		Total	140	25.8

#### Live stock

Category	Thematic area	Name of technology demonstrated	No. of Farmers	No. of Units
-	-	-	-	-

#### Fisheries

Category	Thematic area	Name of technology demonstrated	No. of Farmers	No. of Units
Fish species Diversification Fish Diseases	Growth evaluation of Amur carp in Muzaffarpur Fish Disease Management	Growth evaluation and assessment of Amur carp fry- a genetically improved new variety. Management of EUS (Epizootic Ulcerative Syndrome) in carp culture	20	20
		ponds using CIFAX Total	35	35

#### **Others:**

Category	Thematic area	Name of technology	No. of	No. of
		demonstrated	Farmers	Units
Mushroom	Self Employment and family nutrition	Button mushroom, Oyster mushroom	20	20 (10 bags)
Kitchen Garden	Nutritional Security and income generation	Seasonal and high yielding varieties of okra, onion, French bean, hycanth bean (sem), pumpkin, cherry tomato, spinach etc.	20	20 (250 sq.mt.)
	·	Total	40	40

# 6. Seed and planting material production

		Seed		
Season	Сгор	Variety	Area (ha)	Expected Yield (quintals)
Kharif 2019	Pigeon pea	NDA-1	2	24
Rabi 2019- 20	Rai	Rajendra Suflam	2	16
Rabi 2019- 20	Lentil	HUL-57	2	18
		<b>Planting mater</b>	rial	
Season	Сгор	Variety	Area (ha)	No. of planting materials
Rabi 2019-	Solanaceous-			
20	i. Tomato	CO3	0.5	500
	ii. Chilli	Arka Rakshak	0.5	500

Kharif 2019	Cucurbitaceous-	Rajendra		
	Bottlegourd	Chamatkar	1	1000

#### 7. Extension Activities

Activities	No.	Participants
Field days	25	300
Diagnostic visit	150	150
Advisory service	500	500
Publication	12	-
Farm science (Club No.)	02	02
Kisan Mela	02	Mass
Farmers help line	200	Mass
Old trainee meets	02	10
Kisan Gosthi	06	490
SAC meeting	01	40
T.V. talk	15	-
Radio talk	05	-

# 8. Revolving Fund

Year	Opening Balance (in lakhs)	Expenditure (in lakhs)	Income (in lakhs)	Total Ba Amount (i	
				Cash	Kind
2016-17	3.0	-	-	3.0	-
2017-18	3.0	2.89	0.069	0.23	1.93
2018-19	0.23	1.70	2.09	0.62	2.0
2019-20, Upto 2 <sup>nd</sup> Apr, 2019	2.62	-	-	-	-

# 9. Expected fund utilization

Project	Source	Amount to be received (Rs. in lakh)
KVK	ICAR	-

#### 10. On-farm trials to be conducted

Thematic area	Source of Tech- nology	Title	Treatments	No. of farmers	Performance indicators
Vegetable Production	NDUA &T Kumar ganj, Ayodh	Production and management of Bottle gourd	Farmer's Practice: Use of private sector& local Variety		<ul> <li>Fruit weight</li> <li>Fruit length</li> <li>Yield (q/ha)</li> <li>BC Ratio</li> </ul>

	ya and RPCA U, Pusa		T.O. 2: Use of Var. NDBG-4 T.O. 3: Use of Var. Rajendra Chamtkar.		
Integrated weed management	OUAT, Orissa	Management of weed in Onion using specified herbicide	Farmer's Practice: Use of pendemethalin: No use of non recommended weedicides in high dose in short frequency duration T.O.2: Combined spray of oxyfluorfen 23.5EC@ 1ml/Lt. & quizalofop ethyl 5EC @ 1.75ml/Lt. at the time of planting and at 30 DAT T.O.3: Oxyflurofen 23.5EC@ 2ml/Lt. before planting and one hand weeding at 40 and 60 DAT		<ul> <li>Plant height</li> <li>Bulb weight</li> <li>Weed intensity per m<sup>2</sup></li> <li>BC Ratio</li> </ul>
Rice wheat system & Farm Mechanizati on	CIAE, Bhopal	Assessment of Economic Feasibility of modern equipment over conventional harvesting tools of paddy	Farmer's Practice: Harvesting by Conventional Sickle T.O.1: Harvesting by Self-propelled reaper	07	<ul> <li>Man-days involved (per hectare)</li> <li>Field capacity (Area/time) and Field efficiency (%)</li> <li>Economic feasibility (BC ratio)</li> </ul>
			T.O.2: Harvesting by Tractor operated vertical conveyor reaper		

Spice Production System & Water Stress Management and weed management	CIAE, Bhopal	Assessment of Moisture conservation in turmeric cultivation through natural mulching materials	Farmer's Practice: Conventional method without any mulch T.O.1: Mulching with paddy straw T.O.2: Mulching with maize straw	07	<ul> <li>Water requirement</li> <li>No. of plant/m<sup>2</sup></li> <li>Weed population/m<sup>2</sup></li> <li>Weeding cost (Rs./ha)</li> <li>Yield</li> <li>Cost analysis</li> </ul>
Rabi Pulses & Vegetables crops in line sowing for drudgery reduction	KVK Sheoha r	Comparative performance of small weeding tools for drudgery reduction of farm women	Farmer'sPractice:Weeding byKhurpi in linesowingT.O.1: Weedingby wheel Hoe inline sowingT.O.2: Weedingby ImprovedGrabar refinedby KVKSheohar in linesowing	07	<ul> <li>Man days per unit area</li> <li>Economics involved with each process of weeding</li> <li>Weed mortality percentage</li> <li>Perception of farm women related to different weeding tools for drudgery <ol> <li>Blood pressure before working</li> <li>Heartbeat</li> <li>Sitting Position</li> </ol> </li> </ul>
To improve poor attention, poor concentratio n and immediate recall memory among young children through regular intake of breakfast.	Nation al Institut e of Nutriti on (Indian Counci l of Medica l Resear ch), Hydera bad, India	Relationship between regular breakfast and concentratio n and attention among children of age 10-14 years transferred	Farmer's Practice: Measurement of concentration level among children skipping breakfast T.O.1: Workshop/semi nar or intervention programme on practice of regular breakfast eating T.O.2: Measurement of concentration among children after intervention programme	07	<ul> <li>Appropriate scoring Letter Cancellation Test-sheet</li> <li>Appropriate scoring D. Pershad and N. N. Wig. P. G. I. Memory Scale</li> <li>Fulfilling Recommended Dietary Allowances by National Institute of Nutrition Hyderabad, ICMR</li> <li>Optimum marks obtained in report card</li> </ul>

Quality Fry production	ICAR- CIFA, Bhuban eswar & CoF Dholi, RPCA U	Assessment on quality fry production in carp culture	Farmer's practice: Stocking density (not specific) with irregular feeding T1: Use of cowdung @10 tonnes/ha, urea@ 200kg/ha/yr and SSP @300 kg/ha/yr with stocking density of 1 lakh/ha fry T2: Use of cowdung @5 tonnes/ha, urea@ 100kg/ha/yr and SSP @150 kg/ha/yr with stocking density of 1 lakh/ha fry	07	<ul> <li>Primary productivity in seasonal ponds</li> <li>Survivability rate in different natural productivity</li> <li>Benefit Cost ratio</li> </ul>
Composite Fish Culture	ICAR- CIFA, Bhuban eswar	Grow-out performance of Jayanti Rohu in composite Fish culture system	Farmer's practice: Composite Culture system of IMCs with irregular feeding T1: Composite Culture system (3:3:4 ) of Catla: Rohu: Mrigal with conventional farm-made feed T2: Composite Culture system (3:3:4 ) of Catla: Jayanti Rohu: Mrigal with conventional farm-made feed	07	<ul> <li>Length weight relationship</li> <li>Survivability rate of new improved species as compared to indigenous</li> <li>Benefit Cost ratio</li> </ul>

Mushroom	ICAR-	Monogoment	Farmer's	07	
Production		Management of Rodents		07	
Production	RCER,		practice: Use		
	Patna	destroying	of rodenticides		
		Mushroom	TOAL		
		bags for	<b>T.O 1</b> :Use of		
		mushroom	serrated cut tins		
		production	as physical		
		by use of	barrier		
		physical			
		barrier.	<b>T.O 2:</b> Use of		
			polythene along		
			with slippery		
			agents on		
			bamboo stand		
			legs.		
Integrated	NCIP	Management	Farmer's	07	
pest disease	М	of Cucurbits	practice: Spray		
management		Fruit fly	of any		
6		(Bactrocera	insecticide as		
		cucurbitacae	per suggestion		
		) in	of other farmer		
		cucurbitacae	or pesticide		
		cucurbitacae	shops		
		vegetables	<b>T.O.1:</b>		
		by using fruit	Commercial		
		fly trap & its	fruit fly trap		
		impact	(PHEROMATE		
		assessment.	-V) @5/acre		
		assessment.	, 0		
			<b>T.O.2:</b> Commercial		
			fruit fly trap		
			(PHEROMATE		
			-V) @5/acre +		
			NSKE Spray as		
			per need.		

- **11. List of Projects to be implemented:** 1 (tentative) for Ornamental fisheries funded by ICAR
- **12.** No. of success stories to be developed: 4 (tentative)
- 13. Scientific Advisory Committee: Proposed to be held on July, 2019
- 14. Soil and water testing :

	No. of samples to be analyzed
Soil	200

15. Status of infrastructure: New KVK- No permanent infrastructure

	Heads	Expenditure (2018-19) (Rs. in lakh)	Expected requirement (2019-20) (Rs. in lakh)
Α	Salary		
	Pay & allowance	65.0	95.0
	Total	65.0	95.0
B	General (Recurring)		
	T.A.	0.86	1.75
	HRD	0.27	0.50
	Contingency		
	a) Stationary,		
	telephone, etc.	6.09	7.50
	b) Training of		
	farmers		
	c) Training		
	materials	1.30	3.0
	d) Training of		
	Extension		
	functionaries,		
	rural youth		
	e) FLD	0.5	0.75
	f) OFT	0.5	0.75
	g) Soil & Water		1.5
	Testing lab		
	h) Maintenance of		0.5
	building		
	i) Extension	0.25	0.5
	activities/		
	Exhibition,		
	Kisan Mela etc.		
	Total	9.77	16.75
С	Capital (Non-Recurring	)	
	Vehicle	8.0	-
		(Committed)	
	Equipment & furniture	-	6.0
	Library	-	0.5
	IT	-	0.5
	Total	8.0	7.0
	GRAND TOTAL		
	(A+B+C)	82.77	118.75

#### 16. Fund requirement and expenditure (Rs. in lakh)

17. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data.

# **Revolving Fund status**

### ATARI Patna

Year	Opening Balance	Expenditure (in Rs)	Income (in Rs)	Total Balance Amount (in Rs)	
	(in Rs)			Cash	Kind
2016-17	300000	-	-	300000	-
2017-18	300000	288558	6934	22992	192600
2018-19	22992	169569	208517	61940	200000
2019-20 up	261940	-	-	-	-
to 2 <sup>nd</sup> April					
2019					

Name of KVK: Muzaffarpur (Additional)

Head

Sanctioned Post	Name of Staff	Qualification	Pay Scale	Basic Pay	Gross Salary per month	Total Amount per year
Sr. Scientist &	Dr. Veena Shahi,	Ph.D (HDFS)	79800-199200	110400	124260	1491120
Head	(I/C Head)					
SMS-1	Dr. Pushpa Singh	Ph.D (Entomology)	79800-199200	101100	114123	1369476
SMS-2	Ms. Ipsita Biswas	M.F.Sc (Fisheries Resource Management)	56100-177500	56100	69561	834732
SMS-3	Er. Nidhi Kumari	M.Tech (Land & Water Resources Engg.)	56100-177500	56100	69561	834732
SMS-4	Mr. Rohit Maurya	M.Sc (Vegetable Science)	56100-177500	56100	69561	834732
SMS-5	Dr. N.M H Enling	PhD (HDFS)	56100-177500	56100	69561	834732
SMS-6	Vacant	-		-	-	-
Computer Programmer	Vacant	-		-	-	-
Programme Assistant (Lab Tech.)	Miss Shashimala Kumari	B.Sc (Agriculture)	35400-112400	36500	44667	536004
Farm Manager	Dr. Vikas Kumar	Ph.D (GPB)	35400-112400	36500	44667	536004
Accountant/ Assistant	Shri Akhilesh Kumar	Matriculation	44100-92300	44100	53559	642708
Stenographer	Mrs. Rupa Rani	B.Com	26300-81100	26300	29835	358020
Computer Operator	On Contract				9178 (Consolidated)	110136
Driver (Tractor)-1	On Contract	-		-	9178 (Consolidated)	110136
Driver -2	Vacant	-		-	-	-
Supporting Staff-1	On Contract	-		-	8268 (Consolidated)	99216
Supporting Staff-2	On Contract	-		-	8268 (Consolidated)	99216

Head