

# Action Plan

## 2016 - 17

# KRISHI VIGYAN KENDRA BURDWAN



**KRISHI VIGYAN KENDRA BURDWAN**  
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## Action Plan 2016-17

1. Name of the KVK : **KRISHI VIGYAN KENDRA BURDWAN**
2. Name of host organization : **ICAR-Central Research Institute for Jute & Allied Fibres**

### Training programmes to be organized (April 2016 to March 2017)

#### (a) Farmers and Farm women

Thematic Area	Title	No of training	Duration	On / Off campus	No of participants					
					SC	ST	Others	M	F	Total *
<b>I Crop Production</b>										
Post harvest technology	Post-harvest operations of jute	3	1	Off	24	15	36	75	0	75
Weed Management	Weed management of jute	3	1	Off	24	15	36	75	0	75
Production technology	Improved production technology off jute	3	1	Off	24	15	36	75	0	75
Resource Conservation Technologies (Skill Development)	Rice cultivation through SRI	2	4	Off	10	20	50	80	0	80
Cropping Systems	Increasing cropping intensity through inclusion of crop in rice-rice system	1	1	Off	6	4	10	20	0	20
Crop Diversification	Introduction of pulse crops in less developed areas of the district	1	1	Off	6	4	10	20	0	20
Water management	Water management in crops	3	1	Off	12	8	20	40	0	40
Seed production (Skill Development)	Seed production of paddy	2	4	Off	10	20	50	80	0	80
Production of organic inputs (Skill Development)	Compost Production	2	4	On + Off	6	14	30	50	0	50

<b>II Horticulture</b>										
Vegetable cultivation (Skill Development)	Improved vegetable Cultivation techniques	1	4	On	5	10	25	38	2	40
Protective cultivation (Skill Development)	Protective cultivation of vegetables	1	4	On	10	20	50	76	4	80
Orchards development	Layout and Management of Orchards	1	1	On	4	0	16	20	0	20
	Management of young plants/orchards	1	1	Off	4	0	16	20	0	20
	Rejuvenation of old orchards	1	1	Off	4	0	16	20	0	20
	Micro irrigation systems of orchards	1	1	On	4	0	16	20	0	20
Cultivation of Fruit	Improved cultivation of tissue culture banana	3	1	Off	12	3	45	60	0	60
Plant propagation techniques	Plant propagation techniques of sub-tropical fruit crops	3	1	On	12	3	45	60	0	60
Production and Management technology	Improved production technology of potato	3	1	Off	24	6	30	60	0	60
Production and Management technology	Improved production technology of kharif onion	3	1	Off	24	6	20	50	0	50

<b>III Soil Health and Fertility Management</b>										
Soil fertility management	Improved fertilizer management in oilseeds and pulses	2	1	Off	6	4	30	40	0	40
Management of Problematic soils	Ameliorating acidity development in soil	3	1	Off	21	9	30	60	0	60
Micro nutrient deficiency in crops	Need for micronutrient application in major crops vis-a- vis emerging micronutrient deficiency in soils of Burdwan	3	1	On	21	9	30	60	0	60
Nutrient Use Efficiency	Increasing nutrient use efficiency in rice and other crops	3	1	Off	21	9	30	60	0	60
Soil and Water Testing	Need for soil testing and soil test based fertilizer application	3	1	On	18	0	72	90	0	90
<b>IV Livestock Production and Management</b>										
Livestock feed and fodder production	Cultivation techniques of rice bean	3	1	On	15	0	45	45	15	60
	Cultivation techniques of oat as fodder	3	1	Off	30	0	60	84	6	90
<b>V Plant Protection</b>										
Integrated Pest Management	Integrated Pest Management (IPM) in <i>aman</i> rice	3	1	On	15	0	60	75	0	75
Production of bio control agents and bio pesticides	Formulation of neem and tobacco base biopesticides	3	1	On	15	0	60	75	0	75
Pest management of crops	Pest Management in Potato	3	1	Off	15	0	60	75	0	75
	Pest Management in Mustard	3	1	Off	15	0	60	75	0	75
	Pest Management in Tomato	2	1	Off	6	4	30	40	0	40
	Pest Management in Cucurbits	2	1	Off	6	4	30	40	0	40
<b>VI Fisheries</b>										
Integrated fish farming	Integrated duck-cum-fish farming in back yard pond	1	2	On	16	4	40	40	20	60
Carp fry and fingerling rearing	Rearing pond preparation and management	1	1	Off	7	1	22	20	10	30
	Preparation and management of nursery pond	1	1	Off	10	0	20	20	10	30
Composite fish culture	Aquatic weeds and algal blooms in fish ponds, their control and utilization	1	1	Off	10	1	19	20	10	30
	Schedule of fertilization and liming in fish culture ponds.	1	1	On	9	2	19	20	10	30
	Disease management & prophylactic measures in composite fish culture pond	1	1	On	8	1	21	20	10	30
	Effects of liming in fish ponds	1	1	On	7	3	20	24	06	30
Hatchery management and culture of	Polyculture of freshwater Prawn with IMC	1	1	Off	11	1	18	24	06	30

freshwater prawn	Scientific management of IMC Fish Hatchery	1	1	On	11	1	18	24	06	30
<b>VII Home Science</b>										
Drudgery reduction technologies in farm women.	Women friendly tools and equipments use in agricultural work	1	1	Off	5	5	10	0	20	20
	Ergonomical characteristics of farm women of India	2	1	Off	5	5	20	0	30	30
<b>VIII Agricultural extension</b>										
Water management	Efficient methods of water management in major crops	1	1	Off	6	9	10	25	0	25
Gender sensitization	Entrepreneurial ability and avenues for rural women for women empowerment	1	3	Off	9	6	45	00	60	60
Microfinance through self help group	Formation and management of self help groups	3	1	Off	8	6	46	20	40	60
WTO and IPR issues	WTO and GATT – implications for Indian agriculture	2	1	On	12	6	22	28	12	40
	IPR issues related to Indian agriculture	1	1	Off	1	5	14	16	4	20
Banking scheme in agriculture	Crop insurance and Banking Scheme in Agriculture	3	1	On	12	7	41	50	10	60
Small scale processing and value addition	Small scale processing and value addition in rice	2	1	Off	6	5	29	00	40	40
Agricultural Engineering	Mechanized paddy cultivation techniques	3	1	Off	8	6	46	20	40	60
<b>Total</b>		<b>99</b>	<b>68</b>		<b>566</b>	<b>270</b>	<b>1614</b>	<b>2079</b>	<b>371</b>	<b>2450</b>

### (b) Rural youths

Thematic Area	Title	No of courses	Duration	On/Off campus	No of participants					
					SC	ST	Others	M	F	Total *
<b>I Crop Production</b>										
Production of organic inputs (Skill Development)	Vermicompost production at farmers level	1	4	On	3	7	15	25	0	25
Production of organic inputs	Preparation of organic pesticides and its application	1	2	On	5	0	15	20	0	20
Mushroom Production (Skill Development)	Improved Production Technology of Oyster Mushroom Cultivation	2	4	On	6	18	36	40	20	60
Seed Production	Seed production techniques of major vegetable crops	1	1	Off	10	0	10	20	0	20
<b>II Fishery</b>										
Carp breeding and hatchery mgt.	Induced breeding of Indian major carp	1	3	On	15	0	75	60	30	90
<b>III Production of Inputs at site</b>										

<b>V Agricultural Extension</b>										
<b>Total</b>		<b>6</b>	<b>14</b>		<b>39</b>	<b>25</b>	<b>151</b>	<b>165</b>	<b>50</b>	<b>215</b>

**(c) Extension functionaries**

Thematic Area	Title	No of courses	Duration	On/Off	No of participants					
					SC	ST	Others	M	F	Total*
<b>I Crop Production</b>										
Resource Conservation Technologies	Rice cultivation through SRI	3	1	On	24	6	30	60	0	60
Others, if any (Climate change)	Climate change and agriculture	2	1	On	10	0	30	40	0	40
Protective cultivation (Green Houses, Shade Net etc.)	Micro irrigation technology in horticulture crops	1	3	On	6	3	36	30	15	45
<b>II Fishery Sc.</b>										
Composite fish culture	Food security through fish culture	1	3	On	9	6	30	42	3	45
<b>Total</b>		<b>7</b>	<b>8</b>		<b>49</b>	<b>15</b>	<b>126</b>	<b>172</b>	<b>18</b>	<b>190</b>

**(d) Sponsored Training**

Thematic Area	Title	Courses	Duration	On/Off	No of participants					
					SC	ST	O	M	F	Tot
Resource Conservation Technologies	Rice cultivation through SRI	5	1	On	30	30	90	150	0	150
Nursery raising	Nursery management in vegetable crops	1	2	On	15	0	30	45	0	45
Soil and Water Testing	Need for soil testing and soil test based fertilizer application	3	1	Off	30	15	45	90	0	90
Production of organic inputs	Vermicompost production at farmers level	3	1	On	12	6	42	54	06	60
Value addition	Value addition techniques in fruit and vegetables	3	1	On	24	15	51	84	06	90
<b>Total</b>		<b>15</b>	<b>6</b>		<b>111</b>	<b>66</b>	<b>258</b>	<b>423</b>	<b>12</b>	<b>435</b>

**(e) Vocational Training**

Thematic Area	Title	courses	Duration	On/Off	No of participants/trainee days					
					SC	ST	O	M	F	Tot
Protective cultivation (Green Houses, Shade Net etc.)	Green house cultivation of high value vegetables	2	3	On	6	4	20	30	0	30
Income generation activities for empowerment of rural Women	Jute handicrafts preparation for Self employment	1	7	On	7	3	15	0	25	25
Mushroom Production	Improved Production Technology of Oyster Mushroom Cultivation	1	5	On	3	2	15	10	10	20
(Fish entrepreneur development	Ornamental fish culture	1	3	Off	12	3	15	21	9	30
Others, if any	Recent advances in agricultural crop	1	3	On	4	0	16	20	0	20

	production									
<b>Total</b>		<b>6</b>	<b>21</b>		<b>32</b>	<b>12</b>	<b>81</b>	<b>81</b>	<b>44</b>	<b>125</b>

### 3. Frontline Demonstration

Season	Crop	Variety	No. of demonstration	No. of area (ha)
Summer 2016	Jute (Varietal)	JRO 204	50	10
Summer 2016	Jute (Improved retting)	---	50	7
Rabi, 2016	Mustard	Kashinath	As per allocation	As per allocation
Rabi, 2016	Lentil	Moitreyee	As per allocation	As per allocation
Pre kharif 2016	Sesame	Sabitri	As per allocation	As per allocation
Kharif, 2017	Onion	Agrifound Dark Red	10	1
Rabi, 2017	Tomato	Abhilash	15	2
Rabi, 2016-17	Tissue cul	Bhangar	10	2
Kharif 2016	Rice bean (Fodder)*	Bidhan-2	30	0.2
Kharif 2016	Sorghum (Fodder)*	PC-6/ MP Chari	25	0.2
Rabi 2016	Berseem (fodder)	Wardan	2	0.4
Rabi 2016	Oat (fodder) *	Kent	10	0.5
Rabi 2016	Kitchen Garden		20	0.4
<b>Total</b>			<b>222</b>	<b>23.7</b>

### Enterprise

Season	Enterprise	Variety	No. of demonstration	No. of animal/ area (ha)
Year round	Intensive IMC culture	IMC	10	1 ha

### 4. Seed and planting material production

Seed		Planting material	
Crop	Area	Crop	Area/No
i. Paddy (Foundation Seed)	5.5 ha	i. Tomato seedlings	40000 nos.
ii. Sesame (Seed Production)	0.5 ha	ii. Brinjal seedlings	10000 nos.
iii. Lentil	0.5 ha		
iv. Greengram	0.5 ha		
		viii. Fish fingerling production	1.5 ha
		ix. Fish spawn to fry production	1.5 ha

### 5. Extension Activities

Activities	No.	Participants
Field day	6	300
Technology Week	1	750
Farmers-Scientist interaction	2	80
Film show/ TV show	10	250
Farmers' Study Tour	4	200
Exhibition	4	300
Workshop	2	200

Soil health Camp (Soil testing campaign)	10	500
Animal Health Camp	5	500
Farm Science Club Conveners meet	12	480
Self Help Group Conveners meetings	6	180
Mahila Mandals Conveners meetings	3	90
Awareness camp on Nutrition, health and hygiene (National Nutrition Week)	1	150
Day celebration (World Veterinary Day, World Food Day)	2	100

#### 6. Revolving Fund

<b>Open balance as on 1<sup>st</sup> april 2016 (Rs. in lakh)</b>	<b>Amount to be invested (Rs.)</b>	<b>Return (Rs.)</b>
1.10 + In kind 8.00 (approx)	4.00	<b>8.50</b>

#### 7. Expected fund utilization

<b>Project</b>	<b>Source</b>	<b>Amount to be received (Rs. in lakh)</b>
<b>NIFTD</b>	<b>IGFRI</b>	-

#### 8. On-Farm Trials to be conducted (10 nos)

<b>Thematic area</b>	<b>Title</b>	<b>Treatments</b>	<b>No. of farmers</b>
<b>OFT-1: Post Harvest Management</b>	<b>Evaluation of effectiveness of different retting methodologies on yield and economics of jute</b>	<b>Farmers' practice:</b> Conventional retting <b>Technology - 1 to be assessed:</b> Steeping of jute jak with sand bag <b>Technology - 2 to be assessed:</b> TO2 + CRIJAF Sona	<b>5</b>
<b>OFT-2: Disease management</b>	<b>Assessment of different control measures for fusarium wilt of lentil under medium upland situation of Burdwan district</b>	<b>Farmers' practice:</b> Carbendazim/ Mancozeb spray <b>Technology - 1 to be assessed:</b> Chemical control with chlorothalonil 75% w.p. + thiophanate methyl 70% w.p. <b>Technology - 2 to be assessed:</b> Bio control with trichoderma viride and pseudomonas fluorescence (Spraying of mixture of both 3 times) <b>Technology - 2 to be assessed:</b> Integrated control (basal soil application of trichoderma and pseudomonas and chemical control)	<b>5</b>
<b>OFT-3: Varietal evaluation</b>	<b>Evaluation of performance of different varieties of mustard under irrigated and medium upland situation of Burdwan district</b>	<b>FP: B 9</b> <b>TO 1: Kalia (TMMD 98)</b> <b>TO 2 : Bullet</b> <b>TO 3 : Mali</b>	<b>10</b>
<b>OFT-4: Varietal evaluation</b>	<b>Evaluation of performance of different varieties of okra.</b>	<b>FP: Local variety</b> <b>TO 1: RK 510</b> <b>TO 2 : OH 152</b> <b>TO 3 : NS 801</b>	<b>10</b>

<b>OFT-5: Varietal evaluation</b>	<b>Evaluation of performance of different varieties of rabi onion.</b>	<b>FP: Sukhsagar TO 1: NSC 301B TO 2 : Agrifound Light Red</b>	<b>7</b>
<b>OFT-6: Fish Management</b>	<b>Effect of stocking and management regimes on Production and economic performance in Indian Major Carps</b>	<b>FP: Seasonal stocking July-December, 150 days TO 1: Late Stocking September-December, 100 days TO 2: Early stocking, (April-December, 240 days)</b>	<b>7</b>
<b>OFT-7: Impact assessment</b>	<b>Impact of SHG on Livelihood Security of its Member.</b>	<b>FP: Before formation of SHG TO1: Male SHG TO2: Female SHG</b>	<b>5 SHGs</b>
<b>OFT-8: Impact assessment</b>	<b>Impact of different extension agencies on socio economic status of Burdwan farmers</b>	<b>TO1: KVK TO2: Line Department TO3: Private partners</b>	<b>10</b>

### 9. List of Projects to be implemented

<b>Name of the project</b>	<b>Fund expected (Rs.)</b>

### 10. No. of success stories to be developed: 01

#### a) Improvement of tribal livelihood: 01

### 11. Scientific Advisory Committee

<b>Date of SAC meeting held during 2015-16</b>	<b>Proposed date</b>
12 <sup>th</sup> SAC meeting	August, 2016

### 12. Soil and water testing

<b>Sample</b>	<b>No. of samples to be analysed</b>
Soil	<b>1500</b>
Plant	<b>50</b>
Water	<b>50</b>

### 13. Staff position

<b>Sanctioned</b>	<b>In position</b>	<b>If vacant, since when</b>
Programme Coordinator / Sr. Scientist	0	1(since 01.12.12)
SMS (Agril.) / T-7/8	1	0
SMS (Hort.) // T-7/8	1	0
SMS (A.H. & V.S.) // T-7/8	0	1
SMS (Fishery Sc.) // T-7/8	1	0
SMS (Agril. Extn)/ T-6	1	0
SMS (Home Sc.) / T-6	0	1
Programme Assistant (Computer)/ T-5	1	0
Programme Assistant/ T-5	1	0
Farm Manager/T-5	1	0
Assistant	0	1
Stenographer, Grade – III	1	0



Driver/ T-2	1	0
Driver / T-2	1	0
Skilled Supporting Staff	1	0
Skilled Supporting Staff (Cook)	0	1
<b>Total</b>	<b>11</b>	<b>05</b>

#### 14. Status of infrastructure

Infrastructure	Complete	Under construction	Not started	Reasons, if not started
Administrative building	Completed	-	-	-
Trainees' hostel	Completed	-	-	-
Staff quarter	Completed	-	-	-
Demonstrations:				
i) IFS	Completed	-	-	-
ii) Portable Carp Hatchery	Completed	-	-	-

#### 15. Fund requirement and expenditure (Rs.)

##### Total Fund Requirement:

	Expenditure (last year) (Rs. in lakh)	Expected requirement (Rs. in lakh)
<b>Recurring</b>		
i. Pay & allowance	<b>87.00</b>	<b>95.00*</b>
ii. Contingency		
General	<b>10.07</b>	<b>12.00</b>
TSP	<b>3.91</b>	<b>5.00</b>
iii. TA	<b>0.97</b>	<b>1.50</b>
<b>Non-recurring (specify)</b>		
i. Vehicle and implement shed	--	<b>25.00</b>
ii. Storage godown	--	<b>50.00</b>
iii. Threshing and drying yard	--	<b>05.00</b>
iv. Furniture & Equipment	--	<b>74.82**</b>
v. Library	--	<b>0.50</b>
<b>TOTAL</b>		<b>268.82</b>

**Note:**

\* Pay & Allowances includes monthly salary, contribution of NPSTRI, LTC of staff, children education allowances etc.

\*\* Furniture & equipment includes office equipment, AV aids, farm implements, lab equipment, furniture of office, hostel, training hall etc. Fund requirement shown in EFC.

(S. Satpathy)  
H/Q Incharge for KVK

(D. Ghorai)  
I/C PC, KVK Burdwan

(P. G. Karmakar)

Director, ICAR-CRIJAF