

Action Plan 2017 – 18

KRISHI VIGYAN KENDRA BURDWAN



KRISHI VIGYAN KENDRA BURDWAN
Central Research Institute for Jute & Allied Fibres (ICAR)
Budbud, Burdwan, W.B. 713 403
Telefax: 0343-2513651
www.kvkcrijaf.org.in

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 *	
I Crop Production											
Post harvest technology	Post-harvest operations of jute	1	1	Off	7	3	30	40	0	40	
Production technology	Improved production technology off jute	2	1	Off	20	10	50	80	0	80	
Resource Conservation Technologies	Rice cultivation through SRI	2	1	On	--	80	--	80	0	80	
Conservation agriculture	Sustainable crop production through conservation agriculture (to be done during skill development trg)	1	4	On	5	--	15	20	0	20	
Production technology	Improved production technology of sesame	1	1	Off	10	5	25	40	0	40	
Production technology	Improved production technology of green gram	1	1	Off	10	5	25	40	0	40	
II Horticulture											
Vegetable cultivation (Skill Development)	Improved vegetable Cultivation techniques(to be done during skill development trg)	1	4	On	5	10	25	38	2	40	
Protective cultivation (Skill Development)	Protective cultivation of vegetables(to be done during skill development trg)	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	2/3	1	Off	12	3	45	60	0	60	
Plant propagation techniques	Plant propagation techniques of sub-tropical fruit crops	2/3	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	2/3	1	Off	24	6	20	50	0	50	
III Soil Health and Fertility Management											
Micro nutrient deficiency in crops	Need for micronutrient application in major crops vis-a- vis emerging	2	1	On	--	80	--	80	0	80	

	micronutrient deficiency in soils of Burdwan									
Nutrient Use Efficiency	Increasing nutrient use efficiency in rice and other crops	2	1	On	10	5	25	40	0	40
Soil and Water Testing	Need for soil testing and soil test based fertilizer application	4	1	Off	20	--	60	80	0	80
IV Livestock Production and Management										
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
V Plant Protection										
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
VI Fisheries										
Integrated fish farming (Skill Development)	Integrated duck-cum-fish farming in back yard pond	1	2	On	16	4	40	40	20	60
	Integrated poultry-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							
	Preparation and management of nursery pond	1	1	Off	7	1	22	20	10	30
Composite fish culture (Skill Development)	Aquatic weeds and algal blooms in fish ponds, their control and utilization	1	1	Off	10	0	20	20	10	30
	Schedule of fertilization and liming in fish culture ponds.	1	1	Off	10	1	19	20	10	30
	Disease management & prophylactic measures in composite fish culture pond	1	1	On	9	2	19	20	10	30
	Effects of liming in fish ponds	1	1	On	8	1	21	20	10	30
Hatchery management and culture of freshwater fishes	Polyculture of freshwater IMC with cat fishes	1	1	On	7	3	20	24	06	30
	Scientific management of IMC Fish Hatchery	1	1	Off	11	1	18	24	06	30
VIII Agricultural extension										
Water management	Efficient methods of water management in major crops	1	1	Off	6	9	10	25	0	25
Drudgery reduction technologies in farm	Women friendly tools and equipments use in	1	1	Off	5	5	10	0	20	20

women.	agricultural work									
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
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
Fodder production	Production technology of different fodder crops	1	1	Off	1	5	14	16	4	20
	Production technology of Azolla	1	1	Off	1	6	13	17	3	20
Agricultural Engineering	Mechanized paddy cultivation techniques	3	1	Off	8	6	46	20	40	60
Total		81	58	0	452	316	1387	1809	346	2155

(b) Rural youths

Thematic Area	Title	No of courses	Duration	On/Off camps	No of participants					
					SC	ST	Others	M	F	Total*
I Crop Production										
Production of organic inputs	Vermicompost production at farmers level (to be covered during Skill Development Trg.)	1	4	On	--	20	--	20	0	20
Seed production	Seed production of field crops	1	4	Off	--	20	--	20	0	20
II Fishery										
Carp breeding and hatchery mgt.	Induced breeding of Indian major carp	1	3	On	15	0	75	60	30	90
III Production of Inputs at site										
IV Agricultural Extension										
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
Total		6	13	0	28	51	111	144	46	190

(c) Extension functionaries

Thematic Area	Title	No of courses	Duration	On/Off	No of participants					
					SC	ST	Others	M	F	Total*
I Crop Production										

Resource Conservation Technologies	Rice cultivation through SRI	3	1	On	15	--	45	60	0	60
Others, if any (Climate change)	Climate change and agriculture	2	1	On	10	--	30	40	0	40
II Fishery Sc.\										
Composite fish culture	Food security through fish culture	1	3	On	9	6	30	42	3	45
Total		6	5		34	6	105	142	3	145

(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
Fodder production	Production technology of different fodder crops	2	1	On	6	11	43	52	8	60
Total		17	7	0	117	77	301	475	20	495

(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	15	On	7	3	15	0	25	25
	KathaStitch preparation	1	15	On	0	25	0	0	25	25
	Jewelry making	1	15	Off	0	25	0	0	25	25
	Purse making	1	15	Off	0	25	0	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 production	1	3	On	4	0	16	20	0	20
Total		9	74	0	32	87	81	81	119	200

3. Frontline Demonstration

Season	Crop	Variety	No. of demonstration	No. of area (ha)
Summer 2017	Jute (Varietal)	JRO 204, CO-58	70	20
	Jute (Seed Drill)	CO-58, JRO524	25	08
	Jute (Nail weeder)	CO-58, JRO524	38	12
Kharif 2017	Jute (Improved retting)	---	50	7
Kharif 2017	Paddy (SRI)	MTU 7029	10	01
Kharif 2017	Groundnut	TG 51	50	20
Rabi 2017-18	Mustard	Pusa mustard 26	180	80
Rabi, 2017-18	Lentil	Subhendu (WBL 81)	225	100
Rabi, 2017-18	Groundnut	Kadiri 6	125	50
Summer 2018-19	Sesame	RT 346	225	100
Rabi 2017-18	Green gram	SML 668	60	20
Kharif, 2016	Onion	Agrifound Dark Red	10	1
Rabi, 2016-17	Tomato	Abhilash	15	2
Rabi, 2016-17	Brinjal	Bhangar	10	2
Year round	Banana (Tissue culture)	Grand Naine	10	
Kharif 2016	Rice bean (Fodder)*	Bidhan-2	15	0.5
Kharif 2016	Sorghum (Fodder)*	PC-6/ MP Chari	10	01
Kharif 2016	Maize (fodder)	African Tall	10	0.5
Rabi 2016	Berseem (fodder)	Wardan	10	01
Rabi 2016	Oat (fodder) *	Kent	10	01
Rabi 2016	Kitchen Garden		20	0.4
		Total	1178	427.4

Enterprise

Season	Enterprise	Variety	No. of demonstration	No. of animal/ area (ha)
Year round	GIFT Tilapia	IMC	10	1 ha
Kharif	Jayanti Rohu	IMC	10	1 ha
Kharif	Chital culture	-	10	0.5 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	50000 nos.
ii. Sesame (Seed Production)	0.5 ha	ii. Brinjal seedlings	30000 nos.
iii. Lentil	0.5 ha		
iv. Greengram	0.5 ha		
		viii. Fish fingerling production	0.5 ha
		ix. Fish spawn to fry production	0.5 ha

5. Extension Activities

Activities	No.	Participants
Field day	7	350
Technology Week	1	500
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 Fish Day, World Food Day, International Soil day)	2	100

6. Revolving Fund

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

7. Expected fund utilization

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

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

Thematic area	Title	Treatments	No. of farmers
OFT-1: Agronomic practice	Evaluation of yield and economics under different agronomic and integrated production practices of jute under medium upland situation in Burdwan	Farmers' practice: Single cultivation of jute by broadcasting TO - 1: Single cultivation of jute by line sowing TO - 2: Jute + greengram intercropping with line sowing TO - 3: Jute + Amaranthus intercropping with line sowing	5
OFT-2: Nutrient management	Assessment of different nutrient management practices on productivity of sesame under medium upland situation of Burdwan district	Farmers' practice: Farmers' practice (40:50:20 N:P:K) TO - 1: 100% RDF (80:40:40 N:P:K) TO - 2: 75% RDF + FYM (5 t/ha) TO - 3: 50% RDF + FYM (5 t/ha) + Vermicompost (2.5 t/ha)	5
OFT-3: Nutrient management	Assessment of Zn and B nutrition under deficient regimes in Rice-Mustard crop system in medium upland situation of Burdwan district	FP: 100% RDF (100:50:50 in rice; 80:40:40 in mustard) + No micronutrient TO - 1: 100% RDF + 5 kg Zn/ha as basal in both seasons TO - 2 : 100% RDF + 1 kg B/ha basal application TO - 3 : 100% RDF + 5 kg Zn/ha as basal in both seasons + 1 kg B/ha basal application	5
OFT-4: Varietal evaluation	Evaluation of performance of different varieties of rabi onion.	FP: Sukhsagar TO 1: NHRDF Red TO 2 : Agrifound Light Red	7
OFT-5: Fish Feed Management	Efficacy of Growth promoter in fish feed in Burdwan district of west Bengal	FP: no application of feed TO 1: occasional use of feed growth promoter in fish feed TO 2: proper dose of feed growth promoter in fish feed	7
OFT-6: Impact	Impact of cluster	FP: Non beneficiary	5 from each

assessment	demonstration on farmers of Burdwan	TO1: Cluster demonstration year 2016-17 TO2: Cluster demonstration 2017-18	village under cluster demonstration
OFT-7: Extension invervention	Effectiveness of extension intervention in combination with social media-Whatsapp in knowledge gain	Farmers practice: No use of any extension intervention TO1: Training+ Demonstration TO2: Training +Whatsapp Group TO3: Demonstration + Whatsapp Group TO4: Training+Demonstration+Whatapp Group	15 each Total (75)
OFT-8: Fish Feed Management	Efficacy of different feed application methods in fish feed management in Burdwan district of west Bengal (2 nd year)	FP: no application of feed TO 1: application of fish feed with Bamboo pole TO 2: application of fish feed with rope line	7

9. List of Projects to be implemented

Name of the project	Fund expected (Rs.)

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

a) Improvement of tribal livelihood: 01

11. Scientific Advisory Committee

Date of SAC meeting held during 2017-18	Proposed date
14 th SAC meeting	August, 2017

12. Soil and water testing

Sample	No. of samples to be analysed
Soil	900
Plant	50
Water	50

13. Staff position

Sanctioned	In position	If vacant, since when
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	0	1
Driver/ T-2	1	0
Driver / T-2	1	0
Skilled Supporting Staff	1	0
Skilled Supporting Staff (Cook)	1	0
Total	11	05

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)
Recurring		
i. Pay & allowance	74.18	84.00*
ii. Contingency		
General	7.99	15.00
TSP	3.81	5.00
iii. TA	1.58	2.00
Non-recurring (specify)		
i. Vehicle and implement shed	--	25.00
ii. Storage godown	--	50.00
iii. Threshing and drying yard	--	05.00
iv. Furniture & Equipment	--	50
v. Library	--	1.00
TOTAL		237.00

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.

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

(J. Mitra)
Director, ICAR-CRIJAF

A. K. Singh
Nodal Officer for KVK