KRISHI VIGYAN KENDRA
BOKARO

ACTION PLAN

(2015-2016)

ZONAL WORKSHOP OF KVKs

ZONE-II, ICAR

Venue: ICAR-CIRFI, Barrackpore

Dated: 26-27 May 2015

BIRSA AGRICULTURAL UNIVERSITY
KANKE, RANCHI

Krishi Vigyan Kendra, Bokaro , AT+ P.O.- Petarwar, Dist- Bokaro, Pin- 829121

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Action Plan 2015-16

1. Name of the KVK : **Krishi Vigyan Kendra Bokaro**
2. Name of host organization : **Birsa Agricultural University, Ranchi**
3. Training programme to be organized : **(April 2015 to March 2016)**

(a) Farmers and farmwomen – On Campus

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Crop production															
Integrated crop management	SRI technology of paddy	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Cultivation practice of kharif oilseed- and pulses	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Production technology of maize,baby corn & sweet corn	1	2	-	-	-	5	-	5	20	-	20	25	-	25
	Cultivation practice of rabi oilseed- and pulses	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Cultivation practice of wheat	1	1	-	-	-	5	-	5	20	-	20	25	-	25
	Cultivation practice of sweet corn	1	1	-	-	-	5	-	5	20	-	20	25	-	25
Nursery raising	Nursery raising for SRI	1	1	-	-	-	5	-	5	20	-	20	25	-	25
Seed production technology	Seed production technology of paddy	1	2	-	-	-	-	-	-	25	-	25	25	-	25
Cropping system	Intercropping system in upland condition	1	2	-	-	-	-	-	-	15	10	25	15	10	25
Total		**9**	**15**				**50**		**50**	**165**	**10**	**175**	**215**	**10**	**225**
Soil health & fertility management															
Integrated nutrient management	Integrated nutrient management in major cereal crops	1	2	-	-	-	5	5	10	10	5	15	15	10	25
	Deficiency symptoms of essential plant nutrient in major crops	1	2	-	-	-	15	10	25	-	-	-	15	10	25

	Integrated nutrient management modules of vegetable crops	1	3	-	-	-	-	-	-	15	10	25	15	10	25
	Sulphur management in oilseed crops	1	2	-	-	-	15	10	25	-	-	-	15	10	25
Soil fertility management	Fertility management in SRI hybrid rice	1	2	-	-	-	-	-	-	20	5	25	20	5	25
Production and use of organic inputs	Use of bio-fertilizer in pulse & vegetable crops	1	2	-	-	-	-	-	-	15	10	25	15	10	25
	Production & use of organic inputs	1	3	-	-	-	10	-	10	15	-	15	25	-	25
Soil & water testing	Method of Soil sample collection	1	2	10	-	10	-	-	-	15	-	15	25	-	25
Total		**8**	**18**	**10**		**10**	**45**	**25**	**70**	**90**	**30**	**120**	**145**	**55**	**200**
Horticulture															
Nursery raising	Nursery raising for off season vegetable	1	2	-	-	-	15	-	15	35	-	35	50	-	50
Integrated crop management															
	Intercropping system in vegetable crops	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Cultivation practice of potato	1	2	-	-	-	-	-	-	20	5	25	20	5	25
	Cultivation practice of leguminous vegetables	1	2	-	-	-	10	5	15	10	-	10	20	5	25
Exotic vegetables	Cultivation practice & management of cole crops	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Production and management technology	Cultivation practice of ginger & turmeric	1	2	-	-	-	10	5	15	10	-	10	20	5	25
	Production technology of off season vegetables	1	4	-	-	-	10	-	10	15	-	15	25	-	25
Yield increment	Increasing vegetable production through hormone	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Total		**8**	**18**				**75**	**10**	**85**	**135**	**5**	**140**	**210**	**15**	**225**
Plant Protection															
Production of bio control agents and bio pesticides	Production technology and use of bio-control agents and bio-pesticides	1	4	-	-	-	-	-	-	20	5	25	20	5	25
Integrated	Integrated pest	2	4	20	-	20	20	10	30	-	-	-	40	10	50

Pest Management	management in vegetable crops														
	Control of pod borer in Arhar	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Control of termite in wheat & red gram	1	3	-	-	-	10	-	10	15	-	15	25	-	25
Integrated Disease Management	Integrated Disease Management in cereals and vegetables	2	4	20	-	20	20	10	30	-	-	-	40	10	50
Seed treatment	Seed treatment of cereals, pulses & vegetable & oilseed	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Lac cultivation	Production technology of lac culture	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Total		**9**	**21**	**40**		**40**	**80**	**20**	**100**	**80**	**5**	**85**	**200**	**25**	**225**
Agril. Engg.															
Repair and maintenance of farm machinery	Care & maintenance of diesel engine, pump set and farm implements	1	5	-	-	-	10	-	10	15	-	15	25	-	25
	Use of farm machinery in crop production	2	5	-	-	-	10	-	10	40	-	40	50	-	50
Installation & maintenance of micro irrigation system	Use of micro irrigation system in vegetable crops	2	4	-	-	-	10	-	10	40	-	40	50	-	50
Soil & water conservation	Rain water harvesting techniques	1	2	10	-	10	15	-	15	-	-	-	25	-	25
	Efficient water management in cereals crops	1	3	-	-	-	-	-	-	25	-	25	25	-	25
Use of plastic in farming system	Different types of mulching	1	5	-	-	-	10	-	10	15	-	15	25	-	25
Total		**8**	**24**	**10**		**10**	**55**		**55**	**135**		**135**	**200**		**200**
Home Science/ women empowerment															
Nutrition security	Use of sweet potato and mushroom in daily consumption	1	2	-	5	5	-	10	10	-	10	10	-	25	25
	Use of uncultivated and	1	2	-	5	5	-	10	10	-	10	10	-	25	25

	forest based produced in their regular diet														
Food preservation	Low cost preservation techniques for horticulture crops	1	3	-	5	5	-	10	10	-	10	10	-	25	25
Capacity building	Formation and functioning of SHG in villages	1	2	-	5	5	-	10	10	-	10	10	-	25	25
	Income generation through fish based integrated farming system	1	3	-	5	5	-	10	10	-	10	10	-	25	25
	Income generation through mushroom production	1	2	-	5	5	-	10	10	-	10	10	-	25	25
	Income generation through development of different types of Badi preparation	1	3	-	5	5	-	10	10	-	10	10	-	25	25
PHT	PHT of freshly harvested mushroom and sweet potato	1	2	-	5	5	-	10	10	-	10	10	-	25	25
Total		**8**	**19**		**40**	**40**		**80**	**80**		**80**	**80**		**200**	**200**
Live stock															
Poultry Management	Disease and feed management in poultry	2	2	-	-	-	20	-	20	30	-	30	50	-	50
Goatry Management	Goatry management	2	2	-	-	-	20	-	20	30	-	30	50	-	50
Fisheries															
Fish farming	Composite fish farming	1	3	-	-	-	-	-	-	25	-	25	25	-	25
Total		**5**	**7**				**40**		**40**	**85**		**85**	**125**		**125**
Grand total		**55**	**122**	**60**	**40**	**100**	**345**	**135**	**480**	**690**	**130**	**820**	**1095**	**305**	**1400**

Farmers and farmwomen – Off Campus

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Crop production															
Weed management	Weed management in kharif cereals crop	1	1	-	-	-	5	5	10	15	5	20	20	10	30
Integrated crop management	Production Technology SRI	1	1	-	-	-	-	10	10	-	20	20	-	30	30
	Production Technology SWI wheat	1	1	-	-	-	-	10	10	-	20	20	-	30	30
	Cultivation practice of upland rice	1	1	5	-	5	5	-	5	20	-	20	30	-	30
	Cultivation practice of kharif pulses	1	1	-	-	-	-	-	-	20	10	30	20	10	30
	Production Technology of rabi oil seeds	1	1	-	-	-	20	10	30	-	-	-	20	10	30
	Integrated crop management in sweet corn	1	1	-	-	-	-	-	-	20	10	30	20	10	30
Total		**7**	**7**	**5**		**5**	**30**	**35**	**65**	**75**	**65**	**140**	**110**	**100**	**210**
Soil health & fertility management															
Soil & water testing	Method of soil sampling	1	1	-	-	-	5	5	10	15	5	20	20	10	30
Bio control	Benefit and use of rizobium culture in pulse crops	1	1	-	-	-	-	10	10	-	20	20	-	30	30
Micronutrient deficiency	Control of different micronutrient disorders in vegetable crops	1	1	-	-	-	10	5	15	10	5	15	20	10	30
	Importance and uses of Boron for vegetable	1	1	-	-	-	10	-	10	20	-	20	30	-	30

	production														
Integrated nutrient management	Importance of potassic fertilizer for tuber crops	1	1	-	-	-	10	5	15	10	5	15	20	10	30
	Sulphur and phosphate management in mustard crops	1	1	10	-	10	-	-	-	20	-	20	30	-	30
	INM in cereal crops	1	1	10	-	10	-	-	-	20	-	20	30	-	30
Production and use of organic inputs	Organic farming	1	1	10	-	10	-	-	-	20	-	20	30	-	30
Total		**8**	**8**	**30**		**30**	**35**	**25**	**60**	**115**	**35**	**150**	**180**	**60**	**240**
Horticulture															
Nursery management	Nursery management of vegetable crops	1	1	-	-	-	10	-	10	20	-	20	30	-	30
Integrated crop management	Cultivation practice of leguminous vegetable	2	1	5	-	5	15	5	20	25	10	35	45	20	60
	Cultivation practices of bulbus and cucurbits	1	1	-	-	-	10	-	10	20	-	20	30	-	30
Production & management (Spices)	Practice & management of ginger & turmeric	1	1	-	-	-	10	-	10	20	-	20	30	-	30
Role of Harmone	Role of harmone in vegetable crops	1	1	5	-	5	-	5	5	20	-	20	30	-	30
Total		**6**	**5**	**10**		**10**	**45**	**10**	**55**	**105**	**10**	**115**	**165**	**20**	**180**
Plant Protection															
Integrated pest management	IPM in rice	1	1	-	-	-	10	-	10	20	-	20	30	-	30
	Integrated pest management of vegetables	1	1	-	-	-	-	10	10	-	20	20	-	30	30
	Integrated pest management of cereals	1	1	-	-	-	5	5	10	20	-	20	20	10	30
IDM	Integrated disease	1	1	-	-	-	10	-	10	20	-	20	30	-	30

	management of cereals														
	Integrated disease management of vegetables	1	1	-	-	-	5	5	10	15	5	20	20	10	30
Seed treatment	Seed treatment in oilseed, cereals, pulses & vegetable crops	1	1	-	-	-	10	-	10	20	-	20	30	-	30
Total		**6**	**6**				**40**	**20**	**60**	**95**	**25**	**120**	**130**	**50**	**180**
Agril. Engg.															
Soil & water conservation	Low cost of water harvesting technique	1	1	-	-	-	10	-	10	20	-	20	30	-	30
	Soil and water conservation technique	1	1	-	-	-	10	-	10	20	-	20	30	-	30
Repair & maintenance of farm machinery and implements	Micro irrigation in vegetable production	1	2	-	-	-	10	-	10	20	-	20	30	-	30
	Farm mechanization in paddy cultivation	1	1	-	-	-	-	-	-	30	-	30	30	-	30
Post Harvest Technology	Cereals and vegetable processing and storage	1	1	-	-	-	-	10	10	-	20	20	-	30	30
	Processing and storage technique of seeds	1	1	-	-	-	-	10	10	-	20	20	-	30	30
Total		**6**	**7**				**30**	**20**	**50**	**90**	**40**	**130**	**120**	**60**	**180**
Home Science/ women empowerment															
Minimization of nutrient loss in processing	Adoption of scientific low cost preservation techniques for different leafy vegetables	1	2	-	5	5	-	10	10	-	15	15	-	30	30
	Awareness programme on nutrient	1	2	-	5	5	-	10	10	-	15	15	-	30	30

	saving, pre cooking and cooking processing														
Capacity building	Gender main streaming through group activity of farm women	1	2	-	5	5	-	10	10	-	15	15	-	30	30
	Development of fish based integrated farming system	1	2	-	5	5	-	10	10	-	15	15	-	30	30
	Different income generation activity for farm women	1	2	-	5	5	-	10	10	-	15	15	-	30	30
Nutrition Security	Awareness programme on need on balanced diet for pregnant mother	1	2	-	5	5	-	10	10	-	15	15	-	30	30
	Use of locally available materials for making supplementary food for small children	1	2	-	5	5	-	10	10	-	15	15	-	30	30
PHT	Post harvest management of potato, sweet potato etc.	1	2	-	5	5	-	10	10	-	15	15	-	30	30
Total		**8**	**16**		**40**	**40**		**80**	**80**		**120**	**120**		**240**	**240**
Live stock production and management															
Disease management	Disease and feed management in goat & pig	1	2	-	5	5	-	10	10	-	15	15	-	30	30
Total		**1**	**2**	**-**	**5**	**5**	**-**	**10**	**10**	**-**	**15**	**15**	**-**	**30**	**30**
Grand total		**42**	**51**	**45**	**45**	**90**	**180**	**200**	**380**	**480**	**310**	**790**	**705**	**560**	**1260**

(b)Rural youths/Skill development

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Mushroom production	Mushroom production	1	5	-	-	-	10	-	10	15	-	15	25	-	25
Seed production	Seed production technology of paddy	1	5	-	-	-	5	-	5	20	-	20	25	-	25
Nursery management	Nursery management of Horticulture crops	1	7	-	-	-	5	5	10	10	5	15	15	10	25
Integrated farming	Integrated farming system	1	5	-	-	-	10	-	10	15	-	15	25	-	25
Processing	Small scale processing of mushroom	1	7	-	5	5	-	10	10	-	10	10	-	25	25
Preservation	Preservation of seasonal fruits	1	7	-	5	5	-	10	10	-	10	10	-	25	25
	Preservation of green and green leaf vegetables	1	7	-	5	5	-	10	10	-	10	10	-	25	25
Entrepreneurship development	Drafting and stitching	1	5	-	-	-	-	5	5	-	10	10	-	15	15
	Food processing based enterprise development	1	7	-	5	5	-	10	10	-	10	10	-	25	25
Lac culture	Utilization of indigenous host plant for lac cultivation	1	7	-	-	-	10	-	10	15	-	15	25	-	25
Total		**10**	**62**		**20**	**20**	**40**	**50**	**90**	**75**	**55**	**130**	**115**	**125**	**240**

(c) Extension functionaries

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Capacity building for ICT application	Use of mobile ,internet and IVRS	1	2	-	-	-	5	-	5	25	-	25	30	-	30
Productivity enhancement in field crop	Advances in production technology of oilseed & pulses	1	2	3	-	3	7	-	7	15	5	20	25	5	30
Integrated nutrient management	Advances in production technology of organic inputs	1	2	-	-	-	10	5	15	10	5	15	20	10	30
Soil and water conservation	Installation and maintenance of drip irrigation and sprinkler	1	2	-	-	-	5	5	10	15	5	20	20	10	30
Group dynamics and farmers organization	Group dynamics and farmers organization	1	2	-	-	-	10	-	10	20	-	20	30	-	30
Climate resilient agriculture	Climate resilient agriculture	2	2	-	-	-	-	-	-	60	-	60	60	-	60
Women and child care	Information and use of ORS solution at home scale basis	1	2	-	-	-	10	-	10	20	-	20	30	-	30
Women empowerment	Improved method of fruit and vegetable processing	1	3	-	5	5	-	10	10	-	10	10	-	25	25
Total		**9**	**17**	**3**	**5**	**8**	**47**	**20**	**67**	**165**	**25**	**190**	**215**	**50**	**265**

(d) Sponsored

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		Total
				M	F	T	M	F	T	M	F	T	M	F	
Farming system	Farming system	2	3												**60**
Mushroom production	Mushroom production	2	3												**60**
ICM	ICM	2	3												**60**
INM	INM	2	3												**60**
IDM	IDM	2	3												**60**
Micro irrigation	Micro irrigation	2	3												**60**
Total		**12**	**18**												**360**

(e)Vocational

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Mushroom Production	Production technology of Mushroom	2	20	-	-	-	-	20	20	-	30	30	-	50	50
Repair & maintenance of farm machinery and implements	Repair & maintenance of diesel engine, pump set and farm implements	1	7	-	-	-	10	-	10	15	-	15	25	-	25
Production of organic inputs	Production technology of vermi- compost and phospho compost and its uses	1	7	-	-	-	10	-	10	15	-	15	25	-	25
Total		**4**	**34**				**20**	**20**	**40**	**30**	**30**	**60**	**50**	**50**	**100**

4. Frontline demonstration

Season	Crop	Variety	No. of demonstration	No. of area (ha)
	Pulse			
Kharif	Pigeon pea	ND – 1/ Malwiya, Birsa Arhar-1	20	5.0
	Oilseed			
Kharif	Niger	Puja / Improved	8	2.0
Kharif	Soybean	Birsa soybean-1	10	2.0
Rabi	Mustard	Rajendra suphla	20	5.0
	Cereals			
Kharif	Nutrient management in SRI	Improved /hybrid	15	5.0
Kharif	Paddy	Sahbhagi	25	10
Kharif	Maize (Sweet corn)	Sugar-75	10	2.0
Kharif	Nutrient management in Sweet potato		20	5.0
	Vegetable			
Rabi	Pea	JK-124	15	2.0
Rabi	Tomato	Pusa Reshmi	15	2.0
Summer	Cucurbitaceous vegetable		10	1.0
Summer	Innovative vegetable production model		10	2.0
Rabi	Capsicum & Broccoli	-	15	2.0
	Total		**193**	**45**
	Other technology			
Kharif	Use of drum seeder		10	2.0
Rabi	Zero tilled wheat		10	2.0
Rabi & kharif	Lac culture		25	25 Unit
	Goatry	Black Bengal	4	4 unit
	Duckery	Khaki campbel	5	25 unit

5. Seed and planting material production

Seed		Planting material	
Crop	**Area**	**Crop**	**Area**
Rice		Mango	100 Nos.
MTU -7029	1.0	Guava	100 Nos.
Lalat/Navin	2.0		
Abhishek/ Shahabhagi	2.0		
Pulse			
Pigeon pea ND-1/Improved	0.5		
Total	**5.5**		

6. Extension Activities

Activities	No.	Participants
Field Day	5	150
Kisan Mela	2	2000
Kisan Ghosthi	5	200
Exhibition	5	500
Film Show	25	625
Method Demonstrations	5	50
Farmers Seminar	1	50
Workshop	1	50
Group meetings	1	50
Lectures delivered as resource persons	200	
Newspaper coverage	10	
Radio talks	2	
TV talks	12	
Popular articles	4	
Extension Literature	10	
Advisory Services	95	500
Scientific visit to farmers field	120	1000
Farmers visit to KVK	1200	1200
Diagnostic visits	24	400
Exposure visits	2	60
Ex-trainees Sammelan	1	100
Soil health Camp	2	50
Animal Health Camp	1	50
Agri mobile clinic	0	0
Soil test campaigns (Analysis)	1	25

Farm Science Club Conveners meet	1	25
Self Help Group Conveners meetings	2	50
Mahila Mandals Conveners meetings	2	50
Celebration of important days (specify)	2	100
Help line service	1400	1400
Any Other (Technology Week)	1	500

7. Revolving Fund

Open balance	Amount to be invested	Return

8. Expected fund utilization

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

9. On-farm trials to be conducted

Thematic area	Title	Treatments	No. of farmers
Integrated crop management	1. **Integrated weed management in kharif maize**	**Farmers practice -** Two interculturing (weeding) operation at 15 &30 DAS	**10**
		Technological option i - P.E of Atrazin 500 gm a.i + one Inter cultivation at 30 DAS	
		Technological option ii -PE of tank mixed of (Atrazin 500gm + Pendimethalin 750 gm a.i) + one Inter cultivation at 30 DAS	
		Technological option iii –PE of tank mixed of (Atrazin 500gm+ Pendimethalin 750 gm a.i) + two Inter cultivation at 20 & 40 DAS	
	2. **Effect of nutrient management of productivity of sweet corn.**	**Farmers Practice -** 35-40 kg N, 16-20 kg P_2O_5, 10kg K_2O for maize cultivation	**10**
		Technological option i - 100%RDF dose of maize (120:60:40)	
		Technological option ii - 75% of RDF (90:45:30)	
		Technological option iii - 50% of RDF (60:30:20)	
Integrated Nutrient management	**3. IPNI Nutrient Expert Trial on maize**	**Farmers Practice**	**10**
		Technological option i - Recommended dose (N 120kg + P_2O_5 60 kg+ K_2O 40 kg/ha)	
		Technological option ii - IPNI Nutrient Expert dose	
Use of organic inputs	**4. Nutrient management in cauliflower through organic inputs.**	**Farmers practice -** (N 200kg + P_2O_5 84 kg+ K_2O 136 kg/ha) + 20 ton FYM	**10**
		Technological option i- 50% N through organic inputs (FYM @ 10 ton/ha + vermi compost @ 22q/ha + Karanj cake 8.2 @ q/ha)	
		Technological option ii- 50% N through organic inputs (FYM @ 10 ton/ha + vermi compost @ 22q/ha + Karanj cake 8.2 @ q/ha) + 50% of RDF(200:100:60) through inorganic fertilizers.	
Integrated pest management	**5. Control of rice stem borer *Scirpophagus incertulus* Walker and leaf folder *Cnaphalocrocis medinalis* (Guenee) in low land condition**	**Farmers practice -** Use of Phorate 10G @12 – 15 kg/ha	**10**
		Technological option i - Nursery management use of Carbofuran 3 G (30kg/ha) 5 days before transplanting.	
		Technological option ii - Nursery management use of Carbofuran 3 G (30kg/ha) 5 days before transplant + 1 spray of Fipronil 5% SC 2 ml/lit water 20-30 DAT	

		Technological option iii - Use of Trychograma-Chilonius @ 35 cards/ha (3 application at 7 days interval) starting from 30 DAT after appearance.	
Integrated pest management	**6. Evaluation of insecticide and bio-pesticide for the control of chilli thrips *Scitothrips dorsalis* (Hood)**	**Farmers practice –** 3 spray of Acephate 75% SP 2g/lit water + Sulphur 1g/lit water.	**10**
		Technological option i - 2 spray of Acetamiprid 20% SP @ 2g/lit water at 30 and 50 DAT.	
		Technological option ii – Use of NSKE 5% at 30 and 50 DAT	
		Technological option iii - One spray NSKE 5% at 30 DAT + one spray of Acephate 75% SP 2g/lit water	
Vegetable production system	**7. Evaluation of heat tolerant cauliflower varieties for summer season**	**Farmers practice -** Himlata	**10**
		Technological option i - Sungrow- 110	
		Technological option ii - Sungrow- 370	
		Technological option iii - Cemenies - Don	
Vegetable production system	**8. Effect of weed control measures on productivity and profitability of carrot.**	**Farmers practice -** Two Manual weeding at 20 and 35 DAS	**10**
		Technological option i P.E Spraying of Oxyfluorfen (25g a.i)	
		Technological option ii - P.E Spraying of Oxyfluorfen (50g a.i)	
		Technological option iii - P.E Spraying of Oxyfluorfen (75g a.i)	
Crop Production and farm machinery	**9. Impact of tillage on yield of wheat in late sown condition.**	**Farmers practice - Broadcasting method** Broadcasting of seed after land preparation (3-4 tillage)	**7**
		Technological option i – Surface seeding in wet land (No tillage)	
		Technological option ii - Sowing through zero tillage implement (No tillage)	
		Technological option iii - Sowing through seed drill in minimum tillage (one tillage)	
Crop Production and farm machinery	**10. Assessment of different method of fertilizer application on yield and nutrient use efficiency in paddy sown by drum seeder**	**Farmers practice -** Broadcasting method	
		Technological option i – Fertilizer application in line.	
		Technological option ii - Fertilizer application by fertilizer broadcaster	
Resource conservation technology	**11. Use of sweet potato based composite flour for daily consumption**	**Farmers practice -** Use of sweet potato based nutritious and composite flour –I for daily consumption **Formulation :** Sweet potato flour 66%, wheat flour 8%, Bengal gram flour 20%, Refined oil	**8**

		6.0%	
		Technological option i - Use of sweet potato based composite flour –I for daily consumption **Formulation-I :** Sweet potato flour 50%, wheat flour 24%, Bengal gram flour 20%, Refined oil 6.0%	
		Technological option ii - Use of sweet potato based composite flour-II for daily consumption. **Formulation-II :** Sweet potato flour 45%, maize flour 29%, Bengal gram flour 20%, Refined oil 6.0%	
		Technological option iii - Use of sweet potato based composite flour-II for daily consumption. **Formulation-II :** Sweet potato flour 40%, maize flour 34%, Bengal gram flour 20%, Refined oil 6.0%	
Nutrient Management	**12.Effect of nutrient management on fish production**	**Farmer's practice** - stocking of fish with minimum manuring (200kg FYM/ha (rate of stockings= no. Of fry/acre=10,000)	**7**
		Technological option i – stocking of fish and lime application(dose of lime=250kg/ha/yr) start from pond treatment upto to the harvest(rate of stockings= no. of fry/acre=10,000)	
		Technological option ii - stocking of fish and lime application(dose of lime=250kg/ha/yr) and poultry mixture(5 quintal/yr) start from pond treatment upto to the harvest(rate of stockings= no. of fry/acre=10,000)	
		Technological option ii i- stocking of fish and lime application(dose of lime=250kg/ha/yr) fertilizers start from pond treatment upto to the harvest(rate of stockings= no. of fry/acre=10,000)	

10. List of Projects to be implemented

Name of the project	Fund expected (Rs. In lakh)
Assessment & refinement of technology, ATMA, Bokaro	**2.0**
Capacity building , ATMA, Bokaro	**5.0**
Total	**7.0**

11. No. of success stories to be developed - 3 nos

12. Scientific Advisory Committee

Date of SAC meeting held during 2014-15	Proposed date
16-02-2015	February 2016

13. Soil and water testing

	No. of samples to be analyzed
Soil	50
Plant	50
Manure	10

14. Staff position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary
1	Programme Coordinator	-	-	-	-	-	-
2	Subject Matter Specialist	Sri Uday Kumar	I/C Programme Coordinator & SMS	Agronomy	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 28220.00	19-07-04	Permanent
3	Subject Matter Specialist	Dr. Anil Kumar	SMS	Horticulture	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 30640.00	19-07-04	Permanent
4	Subject Matter Specialist	Dr. Sudhir Kumar Jha	SMS	Soil Science	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 30640.00	20-07-04	Permanent
5	Subject Matter Specialist	Sri Vinay Kumar	SMS	Agril. Engg.	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 28220.00	20-07-04	Permanent
6	Subject Matter Specialist	Mrs Neena Bharti	SMS	Plant Protection	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 28220.00	20-07-04	Permanent

7	Subject Matter Specialist	Mrs. Nandana Kumari	SMS	Home Science	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 28220.00	19-07-04	Permanent
8	Programme Assistant	Mrs Smita Shweta	Programme Assistant	Fishery Science	PB (9300-34800) GP-Rs. 4200.00 Basic- Rs. 19300.00		Permanent
	Assistant	Sri T.N. Tiwari	Assistant		PB (9300-34800) GP-Rs. 4800.00 Basic- Rs. 23360.00		Permanent
9	Computer Programmer	Naman Kandulna	Computer Assistant		PB (9300-34800) GP-Rs. 4200.00 Basic- Rs. 18020.00	20-07-04	Permanent
10	Farm Manager	-	-	-	-	-	-
11	Accountant / Superintendent	Sri Abhay Kumar Singh	O.S.cum Accountant	-	9300.00		Contractual Staff
12	Stenographer	Sri Ratnesh Kumar Mishra	Stenographer	-	5200.00		Contractual Staff
13.	Driver	Sri Ranchandra Lohar	Driver	-	5200.00		Contractual Staff
14.	Driver	Sri Panchanand Mahto		-	5200.00		Contractual Staff
15.	Supporting staff	Sri Ruplal Marandi		-	4440.00		Contractual Staff
16.	Supporting staff	Sri Durga Prasad Mahto		-	4440.00		Contractual Staff

15. Status of infrastructure

Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings & Demonstration units	1.6
2.	Under Crops	6.0
3.	Orchard/Agro-forestry (Mother plant nursery)	1.0
4.	Technology park	0.4
5.	Pond	0.2
6.	Encroached and unutilized land	0.8
	Total	**10.0**

Provided by ICAR
(A) Buildings and others

S. No.	Name of building	Plinth area (sq.m)	Source of funding	Status
1.	Administrative Building	500	I.C.A.R.	Completed & Functioning
2.	Farmers Hostel	300	I.C.A.R.	Completed & Functioning
3.	Staff Quarters (6)	400	I.C.A.R.	Incomplete (Only wall constructed up to lintel level)
5	Fencing		District Administration	Completed
6	Rain Water harvesting structure	120x120x10 ft pond	I.C.A.R.	Incomplete (Micro irrigation system is not installed)
7	Threshing floor		I.C.A.R.	Completed & Functioning
8	Farm godown		I.C.A.R.	Completed & Functioning
9.	Preservation unit		I.C.A.R.	Incomplete
10.	Soil test Lab		I.C.A.R.	Not established
11.	ATIC centre		District Administration	Only building is completed
12.	IT Infrastructure (E-extension system)		I.C.A.R.	Completed but presently V-SAT not working properly
13.	Plant diagnostic lab		I.C.A.R.	Not established
14.	Irrigation channel		I.C.A.R.	Not established
15.	Deep boring		I.C.A.R.	Failed and not functioning

16. Fund requirement and expenditure (Rs.)

	Expenditure (last year) (Rs.)	Expected requirement (Rs. in lakh)
Recurring **Pay & allowance**		
Contingency		
TA		
Non-recurring (specify) – Repairing and Maintenance of building and other infrastructure		

CONTENT

Abstract of Training for 2015-16

Clientele	On campus		Off campus		Total	
	No. of course	Participants	No. of course	Participants	No. of course	Participants
Practicing farmers	55	1400	42	1260	97	2660
Rural Youths	10	250	-	-	10	250
Extension functionaries	9	265	-	-	9	265
Vocational training	4	100	-	-	4	100
Total	78	2015	42	1260	120	3275