

Action Plan 2016 -17

1. Name of the KVK : Krishi Vigyan Kendra, Hariharpur, Vaishali
2. Name of host organization : Rajendra Agricultural University, Bihar, Pusa,
(Samastipur) – 848 125
3. Training programme to be organized (April 2016 to March 2017)

(a) **Farmers and farm women.**

Month: April, 16

Thematic Area*	Title	Duration	No. of participants						No. of Course	Total No. of trainees		
			ON/OFF	SC		Other		Total			Grand total	
				M	F	M	F	M				F
Soil fertility management	Importance of Dhaincha .	02	03	-	13	02	16	02	18	01	18	
Integrated crop management	Package & practice of summer green gram.	02	03	-	13	02	16	02	18	01	18	
Fruit production	Land preparation digging and filling of pit for establishment of new fruit orchard .	02	03	02	08	02	11	04	15	01	15	
Integrated Pest Management	IPM in Green gram.	02	05	-	25	-	30	-	30	01	30	
Design and development of low/minimum cost diet	Importance and preparation of low cost nutritious diet.	02	-	05	-	15	-	20	20	01	20	
Feed management	Preparation of balanced ration and urea treatment to paddy straw.	02	05	-	13	02	18	02	20	01	20	
Total		12	19	07	72	23	91	30	121	06	121	

Month: May, 16

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Nursery management	Nursery management for Paddy.	02	03	-	13	02	16	02	18	01	18	
Resource conservation technology	Inter cropping of turmeric and elephant foot yam in full bearing fruit orchard.	02	03	02	08	02	11	04	15	01	15	
Integrated pest Management	IPM in nursery raising of rice.	02	05	-	25	-	30	-	30	01	30	
Value addition	Importance of fruit & vegetable preservation and preparation of value added product of seasonal fruit mango.	02	-	05	-	15	-	20	20	01	20	
Disease management	Prevention of disease and importance of vaccination for livestock.	02	05	-	13	02	18	02	20	01	20	
Total		10	16	07	59	21	75	28	103	05	103	

Month: June, 16

Thematic Area*	Title	Duration	No. of participants						No. of Course	Total No. of trainees		
			On/Off	SC		Other		Total			Grand total	
				M	F	M	F	M				F
Nursery management	Nursery management for Paddy.	02	03	02	08	02	11	04	15	01	15	
Integrated crop management	Package & practice of Red gram.	02	03	02	08	02	11	04	15	01	15	
Integrated pest management	Cultivation of improved varieties of brinjal and control of fruit & shoot borer through adopting IPM.	02	03	02	08	02	11	04	15	01	15	
Integrated pest management	Management of store gram pest.	02	05	-	25	-	30	-	30	01	30	
Minimization of nutrients loss in processing	Proper cooking methods for better retention of nutrients.	02	-	05	-	15	-	20	20	01	20	
Feed management	Round the year availability of green fodder.	02	05	-	13	02	18	02	20	01	20	
Total		12	19	11	62	23	81	34	115	06	115	

Month: July, 16

Thematic Area*	Title	Duration	No. of participants						No. of Course	Total No. of trainees	
			SC		Other		Total				Grand total
			M	F	M	F	M	F			
Soil Fertility Management	Fertilizer management in Kharif crops.	02	03	02	08	02	11	04	15	01	15
Production & management technology Rabi season vegetable crops.	Scientific cultivation of Tomato late root rigs.	02	05	-	13	02	18	02	20	01	20
Integrated pest Management	Integrated Pest Management in paddy.	02	05	-	20	-	25	-	25	02	50
Feed management	Production of Azolla as a cattle feed.	02	05	-	13	02	18	02	20	01	20
Total		08	18	02	54	06	72	08	80	05	105

Month: August, 16

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Production and use of organic inputs.	Production of BGA & Azolla and their application in paddy.	01	03	02	08	02	11	04	15	01	15	
Crop diversification.	Cultivation of catch crop like toria.	01	03	02	08	02	11	04	15	01	15	
Exotic vegetable	Cultivation of Broccoli.	02	05	-	13	02	18	02	20	01	20	
Integrated pest management	IPM in Kharif maize.	02	05	-	15	-	20	-	20	02	40	
Disease management	Detection of Mastitis in cross breed cows.	02	05	-	13	02	18	02	20	01	20	
Women & child care	Health care of mother & child:- i) importance of Safe drinking water and making & use of janta filter.	02	-	05	-	15	-	20	20	01	20	
Total		10	21	09	57	23	78	32	110	07	130	

Month: Sept, 16

Thematic Area*	Title	Duration	No. of participants						No. of Course	Total No. of trainees	
			SC		Other		Total				Grand total
			M	F	M	F	M	F			
Production and use of organic inputs.	Introduction of Bio fertilizers in Rabi crops.	01	03	02	08	02	11	04	15	01	15
Production and Management technology	Package of practices for Marigold cultivation.	02	05	-	13	02	18	02	20	01	20
Integrated pest management	Integrated pest and disease management in cauliflower.	02	05	-	20	-	25	-	25	02	50
Value addition	Preparation of milk product (Paneer & Kulfi).	02	-	05	-	15	-	20	20	01	20
Dairy management	Clean milk production.	02	05	-	13	02	18	02	20	01	20
Total		09	18	07	54	21	72	28	100	06	125

Month: Oct, 16

Thematic Area*	Title	Duration	No. of participants						No. of Course	Total No. of trainees		
			On/Off	SC		Other		Total			Grand total	
				M	F	M	F	M				F
Integrated crop management.	Packages practices for cultivation of mustard, yellow sarsoon and late mustard.	02	03	02	08	02	11	04	15	01	15	
Protective cultivation.	Vegetable Production under control condition.	02	05	-	13	02	18	02	20	01	20	
Production of botaniceds pesticide	Neem based pesticide preparation.	02	05	-	20	-	25	-	25	02	50	
Design & development of low/minimum cost diet	Preparation of low cost nutritious food.	02	-	05	-	15	-	20	20	01	20	
Goat management	Scientific goat farming.	02	05	-	13	02	18	02	20	01	20	
Total		10	18	07	54	21	72	28	100	06	125	

Month: Nov., 16

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Soil fertility management	Introduction of System of Wheat intensification (SWI) method.	02	03	02	08	02	11	04	15	01	15	
Management of young plants/ orchards.	Periodical management of mango Orchard.	02	05	-	13	02	18	02	20	01	20	
Integrated disease management.	Management of early and late blight of potato.	03	10	-	30	-	40	-	40	03	120	
Income generation activities for empowerment of rural women	i) Banana fiber extraction	02	-	05	-	15	-	20	20	01	20	
	ii) Preparation of banana fiber articles.	06		05		15		20	20	01	20	
Goat farming	Integrated dairy farming	02	05	-	13	02	18	02	20	01	20	
Total		17	23	12	64	36	87	48	135	08	215	

Month: Dec., 16

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Weed management	Management of weeds in wheat and other rabi crops.	02	03	02	08	02	11	04	15	01	15	
Export potential Vegetable	Package of practices for Onion cultivation.	02	05	-	13	02	18	02	20	01	20	
Bio control of pest and disease.	Use of NPV and Bt insecticide for management of borers.	02	05	-	20	-	25	-	25	01	25	
Feed management	Low cost feed production for live stock.	02	05	-	13	02	18	02	20	01	20	
Total		08	18	02	54	06	72	08	80	04	80	

Month: Jan., 17

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Nutrient use efficiency	i) Introduction of super granulated urea (SGU). ii) Introduction of Zn & Neem-coated Urea.	02	03	02	08	02	11	04	15	01	15	
Grading and standardization.	Grading and standardization of vegetables for Indian market.	02	05	-	13	02	18	02	20	01	20	
Integrated pest management	Management of mango hopper.	02	05	-	25	-	30	-	30	01	30	
Drudgery reduction technologies	Importance and use of weeder.	02	-	05	-	20	-	25	25	02	50	
Feed management	Use of mineral mixture and common salt in the diet of cattle.	02	05	-	13	02	18	02	20	01	20	
Disease management	Control of ecoto parasites in cattle.	02	05	-	13	02	18	02	20	01	20	
Total		12	23	07	72	28	95	35	130	07	155	

Month: Feb., 17

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Integrated Nutrient Management	Importance of Phosphate solubelizing bacteria (PSB).	02	03	02	08	02	11	04	15	01	15	
Establishment & Management of orchard.	Orchard management of mango and litchi.	02	05	-	13	02	18	02	20	01	20	
Integrated pest management.	Insect pest management in Tomato.	02	05	-	20	-	25	-	25	02	50	
Household food security.	Nutritional gardening for better family health & nutrition.	02	-	05	-	15	-	20	20	01	20	
Disease management	Importance of zoonotic disease find their prevention.	02	05	-	13	02	18	02	20	01	20	
Total		10	18	07	54	21	72	28	100	06	125	

Month: March, 17

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Integrated crop management	Cultivation of summer crop.	02	03	02	08	02	11	04	15	01	15	
Export potential of ornamental plants.	Scientific cultivation of different flowers for commercial purposes.	02	05	-	13	02	18	02	20	01	20	
Integrated disease management	Integrated disease management in summer vegetable.	02	05	-	20	-	25	-	25	01	25	
Disease management	Infertility management in dairy animals.	02	05	-	13	02	18	02	20	01	20	
Disease management	Control of mastitis in milch animals.	02	05	-	13	02	18	02	20	01	20	
Total		10	23	02	67	08	90	10	100	05	100	

(b) Rural youths

Thematic Area*	Title	Duration	No. of participants							No. of Course	Total No. of trainees	
			On/Off	SC		Other		Total				Grand total
				M	F	M	F	M	F			
Seed production	Seed production of Kharif crop (Agro.)	03	03	02	08	02	11	04	15	01	15	
Production and use of organic.	Production of Vermi-compost and Vermi-wash. (Agro.)	05	03	02	08	02	11	04	15	01	15	
Nursery Management	Seed bed preparation through Soil Solarisation (Hort.)	02	03	02	08	02	11	04	15	01	15	
Planting material production	Propagation of litchi and lemon by our layering. (Hort.)	02	03	02	08	02	11	04	15	01	15	
Bee-keeping	Management of apiary and its importance. (PP)	07	08	05	13	04	21	09	30	02	60	
Mushroom Production	Mushroom cultivation & value addition for income generation. (H.Sc.)	06	05	05	-	20	-	25	25	01	25	
Value addition	Art & craft work. (H.Sc.)	15	-	05	-	20	-	25	25	01	25	
Value addition & Income generation	Handicraft product making from Banana fiber. (H.Sc.)	05	-	04	-	11	-	15	15	01	15	
Goat farming	Improved goatry. (A.Sc.)	05	05	-	15	-	20	-	20	02	40	
Total		50	25	27	60	63	85	90	175	11	225	

(c) Extension functionaries

Thematic Area*	Title	Duration	No. of participants						No. of Course	Total No. of trainees		
			On/Off	SC		Other		Total			Grand total	
				M	F	M	F	M				F
Integrated farming system	A sustainable income for farmers. (Agro.)	02	03	02	08	02	11	04	15	01	15	
Innovation of new technology	Technology use in organic farming. (Hort.)	02	03	02	08	02	11	04	15	01	15	
Bio control of pest and diseases	Introduction to different biological agents and methods of use. (PP)	01	05	-	15	-	20	-	20	01	20	
Health and nutrition	1. Immunization schedule for pregnant ladies & children (H.Sc.)	01	-	-	-	15	-	15	15	01	15	
Design & development of low/minimum cost diet	Preparation of low cost nutritious food. (H.Sc.)	02	-	05	-	10	-	15	15	01	15	
Feed management	Azolla as a cattle field (A.Sc.)	01	05	-	10	-	15	-	15	01	15	
Total		09	16	09	41	29	57	38	95	06	95	

(d) Vocational

Thematic Area*	Title	Duration	No. of participants						No. of Course	Total No. of trainees		
			On/Off	SC		Other		Total			Gross total	
				M	F	M	F	M				F
Vermi-culture	Vermi production & its advantage.	06	05	-	15	-	20	-	20	01	20	
Capacity building through entrepreneurial development.	Bee keeping and its management.	06	08	-	22	-	30	-	30	02	60	
Tailoring	Dress designing & stitching of ladies and children garments	30	-	05	-	20	-	25	25	01	25	
Capacity building through entrepreneurial development.	Mushroom Production & value addition	06	-	05	-	15	-	20	20	01	20	
Total		48	13	10	37	35	50	45	95	05	125	

(e) Frontline demonstration

Season	Crop/Enterprise	Variety / Input	No. of demonstration	No. of area (ha)/No.
Kharif	Elephant foot yam	Gajendra	10	0.4
Kharif	Paddy	Rajendra Bhagwati	25	10
Winter	Cauliflower	Light trap	05	05
Rabi	Gourd	Poison bait	05	0.5
Rabi	Mushroom	Spawn+bag	25	25
Rabi	Improved smokeless Chullah (Fuel- Rice Husk)	Chullah	25	25
Kharif, Rabi & Summer	Vegetables crop	Seed & seed treatment	500	07
Kharif	HS Vaccination to dairy animals	HS Vaccination (Indian Immunological)	100 Animals	100
Rabi	Introduction of Makhana grass	Makhana grass Aventa	05	01
Total -			700	173.9

(f) Seed production

Seed		
Crop	Area(ha)	Quantity(qt)
Pea/Rajma	0.25	5.0
Wheat	2.0	60.0
Rai	0.25	5.0
Paddy	1.0	20.0

(g) Extension Activities

Activities	No.	Participants
Field day	10	-
Kisan Mela	02	-
Kisan Gosthi	12	-
Kharif Sammellon	02	-
Rabi Sammellon	02	-
Exhibition	02	-
Farmers Seminar	01	-
Extension literature	08	-
Scientist visit to farmers field	50	-
Soil health camp	01	-
Animal health camp	02	-
Technological week	01	-
SAC Meeting	01	-
Agricultural Awareness programme in school	04	-
Total -	88	

(h) On-farm trials to be conducted

Thematic area	Title	Treatments	No. of farmers
Integrated crop management	To increase the productivity of wheat through nutrient management.	T1=Farmers' practice (Imbalance use of chemical fertilizer). T2=Recommended dose of NPKZn T3= Recommended dose of NPKZn along with B	07
Weed management	Studies on efficacy of different formulation and combination of herbicides for controlling <i>phalaris minor</i> and other weeds in wheat	T1= Farmer practice (One hand weeding after 20DAS) T2= Pendimethalin (30%) 2.5 litre/ha T3= Sulfosuluran (75%) 33 gm./ha + Metsulfuran (20%) 20 gm/ha	07
Mango production and disease management	Low yield of mango trees due to attack of Die-back and Gummosis in mango.	T1= Pruning of infected branch of die-back or scapping of bark affected by Gummosis and apply copper oxichloride paste 0.3% T2=Spray of copper oxichloride@0.3% (three spray in June, July & August) T3= Apply 500 gm copper sulphate/plant in July, August T4= Avoids logging orchard	05
Evaluation of high yielding variety	Assessment of elephant foot yam variety	T1= Farmers practice (Local) T2= Gajendra	07

Integrated Pest Management	Integrated pest management of stem borer of maize.	<p>T1=Farmer practice (Without seed treatment)</p> <p>T2=Spraying of <i>deltamethrin@0.07%</i> at 2-3 leaf stage</p> <p>T3=Use of carbofuran@7 kg/ha at 6-8 leaf stage</p> <p>T4=Use of carbaryl@3-4 kg/ha at 8-10 leaf stage</p>	07
Integrated Pest Management	Integrated Pest Management of Mango mealy bug <i>Drosicha mangiferae</i> .	<p>T1=Farmers practice – No chemical use.</p> <p>T2=Technology Option I: Fastening of 400 gauge alkathane sheet 25cm width on tree trunk (Dec.)</p> <p>T3=Technology option II: Fastening of 400 gauge alkathane sheet of 25 cm width + spraying of Dichlorvos (0.05%) on Dec, Feb,and March around tree trunk.</p>	07
Integrated Disease Management	Integrated disease management of DBM in Cauliflower	<p>T1=Farmers Practice: Without any trap crops and use of extremely toxic locally available chemicals</p> <p>T2= Pest management with twin raw of mustard trap crops with main crop (1:25) + NSKE spraying at 20, 25 and 45 DAT</p> <p>T3= Pest management with twin raw of <i>Tagetes Pastula</i> with trap crop with main crop (1:25) + NSKE spray 20, 25, 45 DAT</p> <p>T4= Spraying of spinosad@0.25%</p>	07
Drudgery reduction	Impact of different weeding devices used by rural women in farming.	<p>T1= Weeding by Khurpi</p> <p>T2= Weeding by Sharma hol</p> <p>T3= Weeding of cycle hol</p>	07
Value addition	To assess performance of Pannier press device at house hold level	<p>T1= Farmer practice (Preparation of soy pannier by using sieve to drain the water, cloth for holding the pannier material and weighted object for press the material)</p> <p>T2= Technology assessed (Preparation of soy pannier by using pannier press device having minimum capacity 2 kg and maximum 5 kg/batch)</p> <p>T3= Refinement (Construction of new pannier press device having capacity 250 gm and maximum 1 kg/batch)</p>	07
Disease management	Assessment of impact of dry therapy are intervention for prevention of mastitis	<p>T1= Farmer practice (No use of spectramast at last day of milking)</p> <p>T2= Dry cow therapy with spectramast DC at last day of milking</p> <p>T3= T2+intavith H</p>	21

Feed management	Fodder production under different land use pattern in rabi season in Vaishali	T1= Farmer practice (Normal Fodder-Jai, Maize) T2= Napier grass on the 10% area of total plot with Berseem T3= Napier grass on the 10% area of total plot with Makhan grass	07
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(i) No. of success stories to be developed

- Opening of Beauty parlours at rural level as income generating activity of rural women.
- Production of seedlings and planting material as income generating enterprise.

(j) Scientific Advisory Committee

Date of SAC meeting held during 2015-16	Proposed date
4 th July, 2015	June 2016

(k) Soil and water testing

	No. of samples to be analyzed
Soil	1120

(l) Staff position (On 31th March. 2016)

Sanctioned	In position	If vacant, since when
Programme Coordinator	Dr. Devendra Kumar (21.07.14)	-
SMS (Plant Protection)	Dr. S. K. Thakur (12.06.15)	-
SMS (Home Science)	Dr. (Mrs.) Veena Shahi (24.04.05)	-
SMS (Horticulture)	Dr. Arun Kumar (15.01.16)	-
SMS (Animal Science)	Dr. Narendra Kumar (09.06.09)	-
SMS (Agronomy)	Mrs. Sunita Kumari (17.01.15)	-
SMS (Soil Science)	-	-
Programme Assistant	-	12 th June 2009
Prog. Asstt. (Computer)	-	30 th November 2010
Farm Manager	-	15 th March 2012
Office Suptd-cum-Acctt.	-	-
Assistant	Sri Durganand Jha (03.11.14)	-
Computer Operator	Mr. Santosh Kumar (01.03.07)	Contractual
Driver	Mr. Kishori Pd. Singh (14.05.04)	Contractual
Driver	Sri Binesh Ram (27.04.07)	Contractual
Supporting Staff	Sri Nanda Mahto (01.04.02)	Contractual
Supporting Staff	Sri Dinesh Mahto (07.04.07)	Contractual

(m) Status of infrastructure

Infrastructure	Complete	Under construction	Not started	Reasons, if not started
Administrative building	08.02.2002	-	-	-
Farmers' hostel	2 May, 07	-	-	Repairing needed
Staff quarter	16 July, 2005			Sanitary, water & electricity supply needed
Demonstrations:		-	-	-

i) Vermi compost	2006			
ii) Net House	2006			
ii) Polyhouse	2008-09			

BUDGET PLAN 2016-17

(n) Fund requirement (Rs.)

	Expected requirement (2016-17) (Rs. In lakh)
A. <u>Recurring</u>	
Pay & allowance	75.0
TA	2.0
HRD	
Contingency	
a. Stationery & POL	8.0
b. Training and training material	5.0
c. OFT	1.0
d. FLD	2.5
e. Building Maintenance	1.0
Total -	94.5
B. <u>Non-recurring (specify)</u>	
a. Equipment, Furniture & furnishing	7.0
b. Fencing	50.0
c. Library	0.50
Total -	57.5
Grand total (A+B)	152.0

INDEX

Sl. No.	Topic	Page
1.	Training for Practicing farmers and farm women	1 - 12
2.	Training for Rural youth	13
3.	Training for Extension Functionaries	14
4.	Training for Vocational	15
5.	Front line Demonstration & Seed Production	16
6.	Extension Activities & On Farm Trial	17 - 19
7.	No. of Success stories to be develop	19
8.	Scientific Advisory Committee	19
9.	Soil and Water testing	19
10.	Staff Position	19
11.	Status of infrastructure	19 - 20
12.	Fund requirement	20

KRISHI VIGYAN KENDRA HARIHARPUR, VAISHALI

Annual Action Plan Report

(April, 2016 – March, 2017)



YEAR 2016-2017

Venue: B.V.C., Patna, Bihar

Dated: 2nd May 2016

**RAJENDRA AGRICULTURAL UNIVERSITY, BIHAR
PUSA, SAMASTIPUR – 848 125**