

Action Plan 2013-14

1.Name of the KVK: KRISHI VIGYAN KENDRA MANPUR ,GAYA

2.Name of the host organization: BAU, Sabour, Bhagalpur,(BIHAR)

3.Training Programme to be organized(April2013-March2014)

(a) Practising farmer /Farm women

Thematic Area	Title	Duration	No. of participants			
			SC	ST	Others	Total
Crop Production						
Integrated Crop Management	Management practices for summer moong	2	4	-	21	25
Productivity Enhancement	Techniques of direct seeding of rice & its benefit	2	3	-	22	25
Nursery management	Nursery management of paddy production through SRI	2	5	-	20	25
Integrated Crop Management	INM in Paddy	2	1	-	24	25
Cropping Systems	Importance of micronutrients in Paddy production	2	4	-	21	25
Crop Diversification	Contingent crop plan under drought condition	2	5	-	20	25
Integrated Crop Management	Irrigation and fertilizer management in kharif crops	2	1	-	24	25
Production of organic inputs	Importance of Bio- fertilizers for sustainable farming	2	4	-	21	25
Integrated Crop Management	Importance of Phosphorus and Sulphur in oilseed & pulses	2	3	-	22	25
Water management	Fertilizer and irrigation management in wheat	2	4	-	21	25
Weed Management	Integrated Weed Management in wheat	2	3	-	22	25
Integrated Farming	IFS models for profitable farming	2	5	-	20	25
Plant protection						
Integrated pest management	Safe home scale storage of cereals and pulses	2	4	-	21	25
Integrated disease management	Techniques of seed treatment in SRI Paddy	2	3	-	22	25
Integrated disease management	Management of wilt in Pigeon pea	2	5	-	20	25
Integrated pest management	IPM in summer maize	2	1	-	24	25
Integrated pest management	Pest management in moong	2	4	-	21	25

Integrated pest management	IPM in Kharif Paddy	2	3	-	22	25
Integrated disease management	Management of sheath blight in Kharif Paddy	2	5	-	20	25
Integrated disease management	Techniques of seed treatment of pulses by Rhizobium.	2	1	-	24	25
Integrated pest management	I P M in Kharif okra	2	4	-	21	25
Integrated pest management	I P M in brinjal	2	3	-	22	25
Integrated pest management	I P M in cole crops	2	1	-	24	25
Integrated disease management	Important of seed treatment in wheat	2	4	-	21	25
Integrated disease management	Management of late blight of potato	2	3	-	22	25
Integrated disease management	Management of root rot and wilt complex in chick pea	2	5	-	20	25
Integrated pest management	I P M in oilseed crops	2	4	-	21	25
Integrated pest management	Management of Bihar hairy caterpillar	2	3	-	22	25
Bio control of pest and disease	Management of pod borer in chick pea	2	1	-	24	25
Home Science						
Storage loss minimization techniques	Home scale method of Safe grain storage	2	4	-	21	25
Gender mainstreaming through SHGs	Women SHG Formation and Function	2	3	-	22	25
Household food security by kitchen gardening and nutrition gardening	Kitchen Gardening and Human health	2	5	-	20	25
Minimization of nutrient loss in processing	Prevention of nutrition loss during cooking process	2	4	-	21	25
Women and child care	Feeding Knowledge to Household women	2	3	-	22	25
Design and development of low/minimum cost diet	Cheap and best available nutrition for villagers	2	5	-	20	25
Income generation activities for empowerment of rural Women	Mushroom Production	2	1	-	24	25
Value addition	Value addition in potato					
Value addition	Different preparation from Aonla	2	4	-	21	25
Women and child care	Management of children in winter	2	1	-	24	25

Value addition	Processing of seasonal vegetables	2	4	-	21	25
Value addition	Value addition in tomato	2	3	-	22	25
Veterinary Science						
Disease management	Vaccination : A Protection to Animal Diseases	2	4	-	21	25
Feed management	Scientific Feed Formulation for Milch Animal	2	4	-	21	25
Disease management	Management of FMD in Ruminants	2	3	-	22	25
Dairy management	Management of calves in Rainy Season	2	1	-	24	25
Disease management	Infertility in Dairy Animal	2	1	-	24	25
Feed management	Feeding Management in Goat	2	4	-	21	25
Poultry management	Backyard Poultry Farming	2	3	-	22	25
Feed management	Feeding Management of Pregnant Cows	2	5	-	20	25
Feed management	Fodder Cycle for the Year	2	1	-	24	25
Goat farming	Management of kids in winter season	2	4	-	21	25
Disease management	Deworming Schedule in Animals	2	3	-	22	25
Dairy management	Clean Milk Production	2	5	-	20	25

(b) Rural Youth

Thematic Area	Title	Duration	No. of participants			
			SC	ST	Others	Total
Crop Production						
Seed production	Seed production techniques of Potato & wheat	6	3	-	17	20
Plant Protection						
Bee Keeping	Bee Keeping	6	4	-	16	20
Vermicomposting	Vermicomposting	6	2	-	18	20
Home Science						
Rural Craft	Rural Craft	6	5	-	15	20
Mushroom Production	Mushroom Production	6	3	-	17	20
Value addition	Preservation of fruits and vegetable	6	2	-	18	20
Veterinary Science						
Dairying	Dairy farming	6	4	-	16	20
Poultry production	Poultry farming	6	5	-	15	20
Goat rearing	Economic Goat farming	6	4	-	16	20
Total						

(b) Extension Functionaries

Thematic Area	Title	Duration	No. of participants			
			SC	ST	Others	Total
Crop Production						
Productivity enhancement in field crops	Package of practices for Kharif crops production	2	3	-	22	25
Plant Protection						
Integrated pest management	Protection technology in rabi Crops	2	4	-	21	25
Home Science						
Women and child care	Importance of Balance Diet	2	5	-	20	25
Veterinary Science						
Management in farm animal	Backyard Poultry Farming	2	4	-	21	25
Total						

Celebration of important days (specify)	3										mass
Any Other (Specify)											
KishiVikashUtsab											
Technical bulletin	6										mass
Total											

Action plan of FLD for the year 2013-14

(A) FRONT LINE DEMONSTRATION OILSEEDS AND PULSES (RABI-2013-2014)

Sl.No	Crop	Previous crop and cropping system			Farming situation		Area (ha)	Variety	Sowing time	Items	Input of demonstration cost.
		Summer	Kharif	Rabi	Raifed	Irrigated					
Oilseed											
1.	Rai/Toria	Moong	Pad dy	Rai	-	-	5	R.Sufalam	August October	Seed+P.P	15000/-
Pulses											
1.	Lentil	Moong	Pad dy	Lenti l	Rainf ed	-	5	Arun/H UL 57	Nov.	Seed+ Trichoder ma	15000/-
2.	Moong	Moong	Pad dy	Whe at		Irrigat ed	5	PDM-139	March	Seed+P.P	15000/-
	Total-										45000/-
(B) FRONT LINE DEMONSTRATION OTHER THAN OILSEED & PULSES (2013-14)											
1.	Paddy	Vegetab le	Pad dy	Whe at	-	Irrigat ed	10	Sahab hagi	June/July	Seed+P.P	25000/-
2.	Wheat	Moong	Pad dy	Whe at	-	Irrigat ed	10	DBW 14	Nov.	Seed+We edicide	25000/-

3.	Kitchen garden	Veg.	Veg.	Veg.		Irrigated	10 no.	Veg. seeds	July-Feb.	Seeds+seedlings	10000/
4.	Nutrition	Nutritive Laddu					10 child	Laddu	May-July	flor(green gram ,Wheat,G N,Tiletc) as per recommendation of NIN.	10000/
5.	Mushroom Production	-	-	-	-	-	10 no.	Oyster	Oct./Nov.	Seed/spawn+chemicals	5000/-
6.	Zero tillage		-	-	-	-	2	--	-	Machine + technology	10000/-
7	Animals	Dewormer					100	Albendazole/ Piparazine		Dewormer	10000
8.	Animals	Chicks					20	Dual		Chicks 20 each	20000/
9.	Merigold						2 ha.	Seedling	Oct-nov	seedling	10000/
	Total:-										170000/

ACTION PLAN FOR ON FARM TRIAL2013-14

OFT-1.

Title of on farm trial: System Evaluation for rice cultivation under changed climatic condition

Problem diagnosed : Resources like labour and water are scarce, Methane emission is another problem from puddled paddy field.

Details of technology:

Technical option; I. Manual transplanting (21days old, root washed seedling) + Pretilachlor 50% EC@ 1.5 lit /ha as pre-emerg.

II. Glyphosate 41 % SL @ 2.0 lit /ha, 10- 15 days before seeding + Pre-germinated seeding on moist field by Paddy Drum Seeder +

2, 4- D 38 % EC @ 1.3 lit/ ha after 25- 30 DAS.

III. Glyphosate 41 % SL @ 2.0 lit /ha, 10- 15 days before seeding + Pre-germinated seed broadcasting on moist field + 2, 4- D 38 % EC @ 1.3 lit/ ha after 25- 30 DAS.

Plot size: - 0.30ha each farmer

Performance Indicator:

1. No. of tiller/ sq. meter
2. Grains/ earhead
3. 1000 grain wt (gm)
4. Cost of cultivation (Rs. /ha)
5. Yield (q/ha)
6. B:C ratio

No. of Replication: - 8 (Farmers)

OFT-2.

Title of on farm trial: Assessment of different herbicides (new molecules) for controlling weeds in Wheat.

Problem diagnosed: High infestation of weeds causes yield reduction (Av. up to 30%)

Details of technology

Technical option I Farmers Practice

ii. Pendimethalin 30 % EC @ 3.3 lit/ ha as pre- emergence.

iii. Clodinafop Proparyl 15 % WP @ 400 gm/ ha as post- emergence at 35- 40 DAS.

iv. Sulfosulfuron 75 % WG + Metsulfuron methyl 5 % WG @ 40 gm/ ha as post-emergence at 35- 40 DAS.

Plot size: - 0.40ha each farmer

No. of Replication – 10

Performance Indicator:

1. Weed count / sq.m
2. Weeds flora count/sq.m
3. Weed dry wt./sq.m
4. Yielded (q/ha)
5. B: C ratio.

OFT -3

Title of on farm trial: Management of yellow stem borer (*Scirpophagaincertulus* L) and Brown Plant Hopper (*Nilaparvatalugens*) in Paddy.

Problem dignosed : The following constraints are observed in Rice growing area of Gaya districts.

1. Farmers are using Endosalfan 35EC for the management of YSB & BPH.
2. Farmers are not aware to newchemical insecticides which is much super & eco-freindly as compare to older insecticides.

Source: G.B. Pant. Uni. of Agriculture & Technology, Pantnagar

Replication : 08

Design: RBD

Details of technology

Technical option: I. Farmers Practice

II. Fipronil 0.3% GR@ 25kg/ha +Fipronil 5 SC@ 1L/ha.

III. Buprofezine20EC @1Liter/ha

Performance Indicator:

1. Percent Dead Heart at 30 & 60 DAT for YSB.
2. Percent White Head at 70 & 90 DAT for YSB.
3. No. of BPH & WBPH at 60, 80, 100 DAT from 100 hills.
4. Yield q/ha
5. B:C ratio

OFT –4

Title of on farm trial: Efficacy of Emamectin Benzoate 5 SG against Brinjal fruit & Shoot borer(*Leucinodes carbonalis*).

Problem diagnosed: About 30 percent yield loss due to infestation of fruit & shoot borer & farmers are using non-recommended insecticides.

Source: G.B.P.U.A &T. Pantnagar Uttarakhand.

Replication : 10 Farmers

Design: RBD

Details of technology

Technical option:I. farmers practice

II. Emamectin Benzoate S.SG @ 250g/ha.

Performance Indicator:

1. No of affected plant & healthy plant/SQM.
2. No of affected fruit & healthy fruit/SQM.
3. Yield estimation.

OFT- 5

Title of on farm trial: Efficacy of indoxacarb 14.5SC against lepidopterous pest *Hellulaantalis*, *Spodopteralitura* & *Plutellaxyllostella* in cauliflower.

Problem dignosed: farmers are using Chlorpyriphos for the management of lepidopterous pest in cauliflower.

Source: G.B.P.U.A & T. Pantnagar, Uttarakhand.

Replication: 10

Design: RBD

Details of technology

Technical option: I. farmers practice

II. indoxacarb 14.5 SC @ 500ml//ha

Perfomance Indicator:

1. No. of healthy & affected leaf per SQM during vegetative stage.
2. No. of affected & healthy curd per SQM during flowering/ curd formation stage.
3. Yield q/ha
4. B:C ratio.

OFT-6

Title of on farm trial:Assesment of efficacy of Mitalaxyl 8% + Mancozeb 64 % WP (Ridomil gold) against late blight of Potato Phytopthorainfestance.

Problem dignosed: farmers are using non-recommended fungicide for the management of Late blight of Potato.

Source: CPRI, Shimla.

Replication : 10

Design : RBD

Details of technology

Technical option:I. farmers practiceMancozeb@ 2 kg/Ha

II. Ridomil gold @ 2.5kg/ha

Performance Indicator:

1. Calculation of percent severity of Phytopthorainfestance
2. Yield q/ha
3. B:C ratio

OFT- 7

Title of on farm trial : - Assessment of “Iron Rich Diet” with optimum nutritive value prepared from Locally available materials.

Problem diagnosed: - High percentage of Iron deficiency in girls (13-15 years) in Gaya district.

Source: Food and Nutrition Board, New Delhi

Details of technology

Technical option: Tech. option1. – Womens s practice normal diet

Tech. option 2. – Wheat(100g) +Greengram (20g) +Groundnut (10g) +

Riceflakes(50g) + Cauliflower(25g) +Drumstickleaves (5g)

Tech. option 3. –Market Available womens Horlicks.

Replication: - 10

Performance Indicator:

1. Anthopometric measurement

a.Weight

b.Armcircumfrance

c,Chestcircumfrence.

2. Clinical Measurement

a. Haemoglobin level

3. Analysis of product

a. colour

b. taste

c.cost

OFT- 8.

Title of on farm trial: Assessment of different base materials in oyster mushroom production.

Problem dignosed: High cost of wheat straw

Source: Directorate of Mushroom Research, Solan, H.P.

Details of technology:

Technological option

- I. Farmers practices (use of wheat straw as base material).
- II. Use of paddy straw as base material.
- III. Use of paddy straw (50%) + use of wheat straw (50%) as base material.

Replication: 10

Performance Indicator:

1. Quantity of Produced
2. B.C.ratio.

OFT- 9

Title of on farm trial: Assessment of GnRH and Mineral Mixture + Dewormer on problem of .anoestrus in Bovine heifer.

Problem diagnosed: Heifer don't come in heat over exceeding the puberty period.

Source: IVRI Bareilly

Details of technology

Technological Options: I. Farmer practice (Feeding germinated Wheat)

II. GnRH injection @5.0 ml intramuscularly

III. Mineral Mix (50 gm/animal) for 20 days and broad spectrum dewormer

first day

Replication: 10

Design: RBD

Performance Indicator:

1. Percentage of animal come in heat
2. Percentage of conception

OFT- 10

Title of on farm trial:Assessment of Performance of mineral mixture on Milk production.

Problem diagnosed:- Low milk production of dairy animal.

Objective- To regulate milk production in dairy animal by nutrient management through feeding of mineral mixture along with dewormers.

Source: IVRI Bareilly

Details of technology

Technological Option:-I. Farmer practice (feeding concentrate without mineral mixture)

II. Feeding of concentrate with broadspectrumdewormer on 1st day of 90 days trail

III. Feeding of concentrate with mineral mixture (50gm) for 90days and dewormer on 1st day of 90 days trail

Replication: 10

Design: RBD

Performance Indicator :

1. Milk Yield (kg/day)2. Economic benefit.