ANNUAL ACTION PLAN

APRIL 2023 – MARCH 2024

-: SUBMITTED BY :-

KRISHI VIGYAN KENDRA, GUMLA

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Organization of this Report

This Action Plan of *Krishi Vigyan Kendra Gumla*, Vikas Bharti Bishunpur for the year 2023-24 is presented in a new Format. We hope it will help the distinguished planers to quickly grasp the essence of what KVK seeks to achieve and what it has been able to achieve in the year under

An Introduction

Krishi Vigyan Kendra Gumla, Vikas Bharti Bishunpur is situated in Bishunpur block of Gumla district on Southwestern part of Chotanagpur Plateau region in Jharkhand. It is bounded on North by Lohardaga, South by Simdega, East by Ranchi and West by Chhatishgarh.

The geographical area of this district is 5,31,398.13 hectare which is 6.67% of the total area of Jharkhand state. It is situated between latitude 23^0 40' and longitude $84^0$50'.

The topography of the region in general is undulating and rugged. The plateau region has been deeply cut by the peninsular rivers, forming intermontane vally. The average altitude of the district is 758 m above MSL. The relative elevation of intermontane vally ranges from 450-600 m above MSL. The district is drained by the rivers south Koel, Sankh, North Koel and its different tributaries.

Geographically the District is predominantly by Chhotanagpur granite gneises of Archean Age, which form the basement rock in the area. Mica, Schist, Phyllites also occur as comfortable bands with the gneises and schist's. The tertiary laterites occur in the area over topographic highs or uplands. Recent alluvial sediments are found to occur as river terrace deposits along the bank of river.

CONCEPT

The Krishi vigyan kendra is a grass-root level institution designed and developed to impart need-based and skill-oriented short and long-term vocational training courses to the farmers/farm women. The concepts of the Krishi vigyan kendra are as follows.

1. The Kendra will impart Learning through work experience and hence will be concerned with technical literacy, the acquisition of which does not necessarily require as a precondition, the ability to read and write.
2. The Kendra will impart training to those extension workers who are already employed or to practicing farmers and fishermen.
3. There will be no uniform syllabus for a Kendra. The syllabus and programme of each kendra will be tailored according to the felt needs, natural resources and potential for agricultural growth in particular area.

MANDATE

1. Conducting “On-farm testing” for identifying technologies in terms of location specific sustainable land use system.
2. Organize frontline demonstrations on various crops to generate production data and feedback information.
3. Organize short and long term vocational training courses in agriculture and allied vocations for the farmers and rural youths with emphasis on “Learning by Doing” for higher production on farms and generating self –employment.
4. Organize training to update the extension personnel with emerging advances in agricultural research on regular basis.
5. Seed Production
6. Resource & Knowledge centre

GUMLA DISTRICT AT A GLANCE

a) **ESTABLISHMENT** : 28th MAY 1983

b) **GEOGRAPHICAL LOCATION** :

Latitude : 23^0 40'

Longitude : 84^0 40' To 84^0 50'

c) **GEOGRAPHICAL BOUNDRY** :

North : Lohardaga

South : Simdega

East : Ranchi

West : Chhatisgarh

d) **TOTAL GEOGRAPHICAL AREA** :

529546.15 hectare

5321 Sq. Km.

e) **SOIL** : Red Laterite & Alluvium Sediments (Near river bed)

f) CLIMATE :

Average annual rainfall : 1100 mm

Temperature : 5 – 45^0 C

Relative Humidity : 30-90%

g) **IMPORTANT RIVERS** : Koel, Sankh and North Koel

h) **ADMINISTRATIVE UNITS** :

No. of Sub-Division : 03

No. of Blocks : 12

i) Gumla	ii) Raidih
iii) Chainpur	iv) Dumri
v) Palkot	vi) Basia
vii) Kamdara	viii) Sisai
ix) Bharno	x) Ghaghra
xi) Bishunpur	xii) Albert Ekka Jari

No. of village : 952

No. of Panchayats : 159 + 1 Municipality

Literacy Percentage : 65.73 % (According to 2011 census)

i) **POPULATION** (According to 2011 census)

Total : 10,25,213

Male : 5,14,390

Female : 5,10,823

Rural population : 960132 (93.65%)

Urban population : 39761 (3.87%)

ST : 706754 (68.94%)

SC : 32429 (3.17%)

Other : 286000 (27.89%)

j) **SOCIO-ECONOMIC STATUS** :

Farmers : 321272 (33.46% of Rural Population)

Agricultural Laborers : 97918 (10% of Rural Population)

Home Industries Labour : 3.42%

Other Workers : 55547 (11.39%)

BPL : 74.75%

k) **LAND UTILISATION PATTERN** :

Geographical Area : 529546.15 ha.

Total Forest Area : 135600 ha (Wild Life Sanctuaries 183.18 Sq. Km)

Cultivable Area : 329600 ha

Permanent Pasture : 2204 ha

Net Cultivated Area : 259419.1 ha

Net Irrigated Area : 67760 ha

Cultivable waste land : 31598 ha

DON LAND

i) Done – I - 29044.47 ha

ii) Done – II - 33664.8 ha
iii) Done – III – 30986.60 ha

TAR LAND

i) Tar – I - 13134 ha
ii) Tar –II - 82506.59 ha
iii) Tar – III - 70083.25 ha

l) **AREA COVERED UNDER DIFFERENT CROPS** :
(As per data of District Agriculture Department, Gumla)

Kharif (ha)			**Rabi (ha)**		
Paddy	:	188000	Wheat	:	12000
Maize	:	8100	Rabi Maize	:	2000
Redgram	:	16000	Gram	:	12600
Blackgram	:	8000	Lentil	:	5500
Greengram	:	15000	Pea	:	3200
Kulthi	:	2500	Mustard	:	15300
Other Pulses	:	2200	Linseed	:	2800
Total Pulses	:	30200	Safflower	:	227
Ragi	:	1000	Sunflower	:	100
Jowar	:	150	Niger	:	1500
Bajra	:	40			
Buckwheat	:	100			
Groundnut	:	5000			
Sesame	:	100			
Soybean	:	300			

* Source : District Agriculture Department, Gumla

SURVEY REPORT

Cluster -1

Name of Villages : Bendora, Chitarpur, Kating, Malam, Rampur, Mahuwatoli, Jhargaon, Kerabar, Tilwari & Mjhagaon, Nawadih, Dhakul Damgara, Chotakatara & Govindpur, Jarmana, Bumtail, Telhitoli, Suggasarwa, Chhota Katra

Block : **Chainpur, Dumri & Jari**

Cluster -2

Name of Villages : Range, Maruwai, Narmajamtoli, Narmadanrtoli, Beti, Titahi, Banari, Salam Nawatoli, Champatoli, Dumberpath, Jobhipath, Arangloya, Samdari, Orya, Bahar Serka & Porisarna, Kurag, Kugaon, Hedadar, Karanjtoli, Echa, Sarango, Sarango Mohanpur. Patratoli, Itkiri, Nawadih, Totambi, Gunia, Jargatoli, Shivrajpur. Rehetoli, Kubatoli, Manjeera, Didhauli, Jahup, Chipri, Holang, Lapu, Borang, Katiya, Ghaghra, Marwai, Malangtoli, Jamti, Dardag, Helta ambatoli, Sato, Nirasi and Banari, Burhu, Gunia, Khambhiya, Chhota ajiyatu, Salgi, Nawadih, Dardag

Block : **Bishunpur & Ghaghra**

Cluster -3

Name of Villages : Kashitoli, Gumla, Dunduria, Soso, Alankera, Silam Brinda, Telgaon, Murkunda, Jhargaon, Koinjara chatakpur, Kulabira & Raidih, Patratoli, Nawadih Patratoli, Mokro, Ashni, Shivpur, Kotamati, Keradih

Block : **Gumla & Raidih**

Cluster -4

Name of Villages : Narekela & Gadha , Suruhu, Kamta, Salegutu & Palkot, Telhidih, Tengaria Chainpur, Matimtoli , Kotbo, Kasira, Harhara, Tapkara, Tira, Tetartoli

Block : **Basia & Kamdara & Palkot**

Cluster -5

Name of Villages : Bharno, Dumbo, Burhipath, Mathturiamba, Amaliya, Turiamba & Dickdone, Sakrauli, Charko, Senda, Pandariya, Olmunda, Semra, Nagar, Kudra, Jaira

Block : **Bharno & Sisai**

Farming Situation : **Rainfed**

Major Crop grown

Kharif- Paddy, Maize, Smaller Millets, Pigeon Pea, Blackgram, Groundnut, Niger, Sesame, Tomato, Brinjal, Chilli, Potato, Okra and Cucurbits.

Rabi- Gram, Lentil, Linseed, Toria, Wheat, Potato Tomato, Brinjal, Pea, Garlic and Onion

Summer Paddy and Vegetable

Cropping system

a) Paddy – Fallow
b) Paddy – Gram - Fallow
c) Paddy/Maize – Mustard - Fallow
d) Niger - Fallow
e) Vegetable- Vegetable-Fallow

Krishi Vigyan Kendra, Gumla

Vikas Bharti Bishunpur

Krishi Kalyan Abhiyan-I

List of Aspirational Villages

SN	Village	Block
1.	Jamti	Bishunpur
2.	Koting	Chainpur
3.	Kothamati	Ghaghra
4.	Halmati	Ghaghra
5.	Kujam	Bishunpur
6.	Udni	Dumri
7.	Pibo	Raidih
8.	Sarita	Kamdara
9.	Kutuwa	Gumla
10.	Barri	Sisai
11.	Luru	Raidih
12.	Bantoli	Bharno
13.	Barisa	Gumla
14.	Samshera	Bharno
15.	Karkari	Sisai
16.	Turundu	Kamdara
17.	Marasilli	Bharno
18.	Lohanjara	Sisai
19.	Koinara	Gumla
20.	Bhurso	Sisai
21.	Jura	Bharno
22.	Jorag	Gumla
23.	Surhu	Kamdara
24.	Karondajor	Bharno
25.	Kumbhro	Bharno

Kisan Kalyan Abhiyan Phase-II

List of Aspirational Villages

District – Gumla

SN	Villade	Panchayat	Block
1.	Nawadih	Nawadih	Gumla
2.	Telgaon	Telgaon	
3.	Shivrajpur	Shivrajpur	Ghaghra
4.	Chundari	Chundari	
5.	Salgi	Adar	
6.	Narma	Narma	Bishunpur
7.	Chipri	Bishunpur	
8.	Darha	Bhadauli	Sisai
9.	Lakea	Lakeya	
10.	Malgo	Dumbo	Bharno
11.	Danrkesa	Supa	
12.	Gudma	Koleg	Palkot
13.	Petsera	Bangru	
14.	Alangkera	Uttari Palkot	
15.	Turbubga	Turbunga	Baisa
16.	Bhagidera	Konbir	
17.	Chitapidhi	Ramtolya	Kamdara
18.	Arhara	Konsa	
19.	Sikoi	Sikoi	Raidih
20.	Aranda	Kepur	
21.	Rampur	Rampur	Chainpur
22.	Bendora	Bendora	
23.	Nawadih	Nawadih	Dumri
24.	Akasi	Akasi	
25.	Jarda	Jarda	Jari

On the basis of Bench mark Survey following major constraints has been found.

a) Poor rainwater management

b) Knowledge gap in minor forest produce.

c) Improper use of fertilizer.

d) No proper marketing arrangement

e) Unavailability of Brood lac and product market management.

f) Fodder scarcity.

g) Poor access of agriculture schemes.

h) Poor storage facilities.

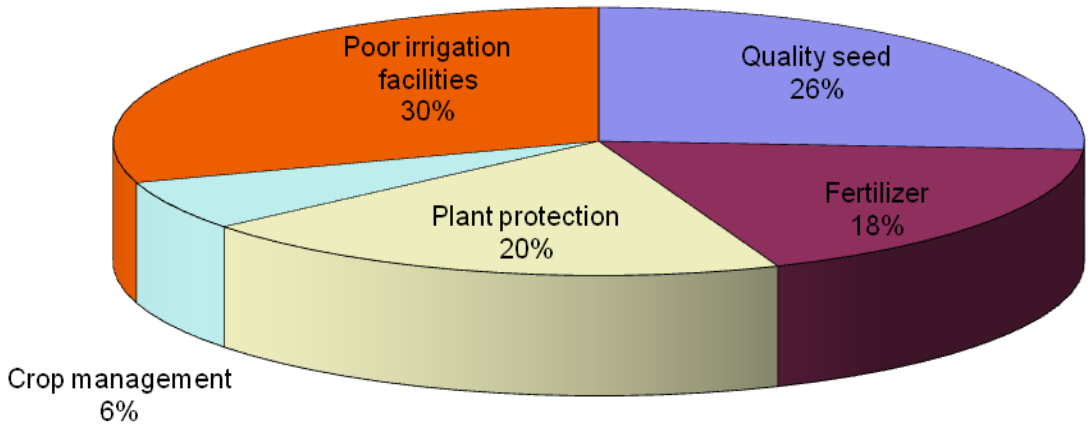
i) Indescript breed.

j) Generally monocropping due to poor irrigation facilities and open grazing.

k) Slow adoption of improved technology due to scare resources.

Problem Prioritization

On the basis of survey report our team prioritized the problem and accordingly planned to conduct the OFT and FLD in respective selected villages with a view to overcome major constraint which will directly influence the yield.



THRUST AREA

- **Women empowerment through skill development in ON and OFF farm activities.**
- **Water conservation and Micro irrigation programme implementation**
- **Soil Health Card**
- **Strengthening of FPO**
- **Lac cultivation**
- **Animal health care and management**
- **Promotion of Millets crop cultivation and Value addition**
- **Promotion of Natural Farming**

REVISED PROFORMA FOR

ACTION PLAN 2023-24

1. Name of the KVK:

Address	Telephone		E mail
Krishi Vigyan Kendra, Gumla Vikas Bharti Bishunpur Po – Bishnpur Dist – Gumla PIN – 835 231 State – Jharkhand	Mobile : 9430699847	7366082870	kvk.gumla@gmail.com Website -gumla.kvk4.in

2. Name of host organization:

Address	Telephone		E mail
	Office	FAX	
Vikas Bharti Bishunpur Po – Bishnpur Dist – Gumla PIN – 835 231 State – Jharkhand	-	-	vikasbharti1983@hotmail.com Website: www.vikasbharti.org

2. Training programme to be organized (April 2023 to March 2024)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I. Crop Production														
Resource conservation technology	Resource conservation technology	1	1	OFF	21/04/23	3	2	11	3	2	3	16	8	24
Seed production	Seed Production	1	1	OFF	04/05/23	3	2	11	3	2	3	16	8	24
Integrated crop management	Rice, Maize, Millet production Technology	1	1	ON	08/06/23	3	2	11	3	2	3	16	8	24
Integrated crop management	Kharif pulses production technology	1	1	ON	06/07/23	3	2	11	3	2	3	16	8	24
Integrated crop management	Kharif Oilseeds production technology	1	1	OFF	13/07/23	3	2	11	3	2	3	16	8	24
Crop diversification	Crop diversification a strategies for profitable agriculture	1	1	ON	10/08/23	3	2	11	3	2	3	16	8	24
Weed management	Weed management in major crop	1	1	OFF	17/08/23	3	2	11	3	2	3	16	8	24
Integrated Farming system	Integrated Farming System	1	1	OFF	14/09/23	3	2	11	3	2	3	16	8	24
Integrated crop management	Pulses and oilseeds production technology for rabi crop	1	1	ON	12/10/23	3	2	11	3	2	3	16	8	24
Cropping system	Importance of cropping system	1	1	OFF	19/10/23	3	2	11	3	2	3	16	8	24
Fodder production	Fodder production technology	1	1	ON	09/11/23	3	2	11	3	2	3	16	8	24
Integrated crop management	Wheat production technology	1	1	OFF	16/11/23	3	2	11	3	2	3	16	8	24
Water Management (Micro irrigation system)	Efficient irrigation management for rabi crop	1	1	ON	07/12/23	3	2	11	3	2	3	16	8	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Production of organic input	Production of organic input	1	1	OFF	14/12/23	3	2	11	3	2	3	16	8	24
Integrated Crop Management	Improved production technology of green gram	1	1	ON	11/01/24	3	2	11	3	2	3	16	8	24
Integrated crop management	Sugarcane production technology	1	1	OFF	09/02/24	3	2	11	3	2	3	16	8	24
Post harvest technology	Post harvest technology for Rabi crop.	1	1	OFF	09/03/24	3	2	11	3	2	3	16	8	24
Total		**17**	**17**			**51**	**34**	**187**	**51**	**34**	**51**	**272**	**136**	**408**
II. Horticulture														
Nursery Management	Raising of quality seedling	01	01	ON	20/04/23	5	0	14	0	5	0	24	0	24
Production and management technology of spices	Scientific cultivation of Turmeric & Ginger.	01	01	OFF	13/05/23	5	0	14	0	5	0	24	0	24
Production of low volume & high value crop	Cultivation of Kharif Onion & Potato	01	01	OFF	10/07/23	5	0	14	0	5	0	24	0	24
Production and management technology	Production and management technology of need based medicinal & aromatic plants	01	01	OFF	17/07/23	5	0	14	0	5	0	24	0	24
Protected Cultivation	Cultivation of vegetables in green house	01	01	ON	11/09/23	5	0	14	0	5	0	24	0	24
Exotic Vegetables	Cultivation of Broccoli	01	01	ON	13/10/23	5	0	14	0	5	0	24	0	24
Production of low volume & high value crop	Cultivation of winter vegetable.	01	01	ON	18/11/23	5	0	14	0	5	0	24	0	24
Grading and standardization	Importance of grading and standardizatio n of tomato and potato	01	01	ON	15/12/23	5	0	14	0	5	0	24	0	24
Cultivation of fruits	Cultivation of fruits	01	01	ON	11/01/24	5	0	14	0	5	0	24	0	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Plant propagation technique	Grafting, Budding and Layering of fruit plants	01	01	OFF	19/01/24	5	0	14	0	5	0	24	0	24
Layout & management of orchard	Scientific management of Orchard.	01	01	OFF	12/02/24	5	0	14	0	5	0	24	0	24
Management of potted plants	Scientific management of ornamental & potted plants	01	01	ON	18/03/24	5	0	14	0	5	0	24	0	24
Total		**12**	**12**			**60**		**168**		**60**		**288**	**0**	**288**
III. SOIL SCIENCE														
Soil and water testing	Importance of soil and water testing	1	1	OFF	20/04/23	2	2	14	4	1	1	17	7	24
Soil health management	Soil health management and Correct method of soil sampling.	1	1	OFF	11/05/23	2	2	14	4	1	1	17	7	24
Management of problematic soil	Amelioration of acidic soil with proper application of amendments.	1	1	OFF	15/06/23	2	2	14	4	1	1	17	7	24
Integrated Nutrient Management	Balance use of fertilizers in Kharif crops	1	1	ON	13/07/23	2	2	14	4	1	1	17	7	24
Integrated Nutrient management	Fertilizer management in rice crop. I. Methods and time of fertilizer application.	1	1	ON	17/08/23	2	2	14	4	1	1	17	7	24
Micronutrient deficiency in crop	Liquid fertilizer application and importance of micro nutrients and deficiency in different crop. (paddy & vegetable)	1	1	ON	14/09/23	2	2	14	4	1	1	17	7	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Production and use of organic inputs	Use of rhizobium culture/ Azotobacter/ PSB	1	1	ON	19/10/23	2	2	14	4	1	1	17	7	24
Integrated Nutrient management	Fertilizer management in all Rabi crop (Wheat).	1	1	ON	23/11/23	2	2	14	4	1	1	17	7	24
Nutrient use efficiency	Methods of fertilizer application and lime management	1	1	OFF	14/12/23	2	2	14	4	1	1	17	7	24
Production & use of organic input	Preparation of vermicompost	1	1	ON	18/01/24	2	2	14	4	1	1	17	7	24
Soil health management	Soil health management and Correct method of soil sampling.	1	1	ON	08/02/24	2	2	14	4	1	1	17	7	24
Soil fertility management	Soil fertility management through INM	1	1	OFF	14/03/24	2	2	14	4	1	1	17	7	24
Total		**12**	**12**			**24**	**24**	**168**	**48**	**12**	**12**	**204**	**84**	**288**
IV. LIVE STOCK PRODUCTION														
Poultry management	Poultry production	1	1	OFF	12/04/23	3	1	16	3	1	0	20	4	24
Feed management	Feed management of newly born calf	1	1	OFF	03/05/23	3	1	16	3	1	0	20	4	24
Duck cum fish farming	Duck farming/ Fish farming	1	1	ON	04/06/23	3	1	16	3	1	0	20	4	24
Fodder conservation	Hey and silage making	1	1	ON	04/07/23	3	1	16	3	1	0	20	4	24
Vaccination	Importance of vaccination in animal	1	1	OFF	22/07/23	3	1	16	3	1	0	20	4	24
Fodder production & development	Importance of green fodder production in dairy farming	1	1	ON	02/08/23	3	1	16	3	1	0	20	4	24
Milk production	Clean milk production	1	1	ON	05/09/23	3	1	16	3	1	0	20	4	24
Piggery	Pig farming & management	1	1	OFF	05/10/23	3	1	16	3	1	0	20	4	24
Dairy management	Management of dairy animal	1	1	ON	01/11//23	3	1	16	3	1	0	20	4	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Disease management	Weather based disease management programme (Summer, Winter, Rainy)	1	1	ON	01/12/23	3	1	16	3	1	0	20	4	24
Control of ecto parasite	Prevention and treatment of ecto parasite	1	1	OFF	04/01/24	3	1	16	3	1	0	20	4	24
Goat management	Balanced animal feed	1	1	ON	08/02/24	3	1	16	3	1	0	20	4	24
Total		**12**	**12**			**36**	**12**	**192**	**36**	**12**		**240**	**48**	**288**
V. HOME SCIENCE														
Household food security by nutritional gardening	Nutritional gardening	1	1	OFF	08/04/23	0	1	0	18	0	3	0	22	22
Design and development of high nutrient efficiency diet	Importance of balance diet	1	1	OFF	12/05/23	0	2	0	19	0	3	0	24	24
Value addition	Value added products of Rice	1	1	OFF	10/06/23	0	2	0	19	0	3	0	24	24
Group Dynamics	Empowerment of women through SHG	1	1	OFF	08/07/23	0	2	0	19	0	3	0	24	24
Minimization of Nutrient Loss during processing	Cooking methods and reuse of excess remaining food	1	1	ON	16/08/23	0	2	0	19	0	3	0	24	24
Location specific drudgery reduction technologies	Improved tools and technologies developed for drudgery reduction	1	1	ON	11/09/23	0	2	0	19	0	3	0	24	24
Gender mainstreaming through SHGs	Capacity building of SHGs	1	1	ON	12/10/23	0	2	0	19	0	3	0	24	24
Storage loss minimization techniques	Storage techniques for cereals and pulses	1	1	ON	03/11/23	0	2	0	19	0	3	0	24	24
Women and child care	Women and child care	1	1	ON	14/12/23	0	2	0	19	0	3	0	24	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Design & development of low/minimum cost diet	Importance of millet in dietary system	1	1	ON	08/02/24	0	2	0	19	0	3	0	24	24
Total		**10**	**10**			**0**	**19**	**0**	**189**	**0**	**30**	**0**	**238**	**238**
VI. PLANT PROTECTION												0	0	0
Seed treatment	Method of seed treatment	1	1	ON	10/04/23	3	3	8	3	3	4	14	10	24
Integrated disease management	Integrated disease management of the major Kharif Millets	1	1	OFF	10/05/23	3	3	8	3	3	4	14	10	24
Lac cultivation	Lac cultivation	1	1	OFF	10/06/23	3	3	8	3	3	4	14	10	24
Integrated Pest management	Management of insect pest and disease in major kharif crop	1	1	OFF	10/07/23	3	3	8	3	3	4	14	10	24
Bio control of pest & disease	Management of insect pest and disease in major kharif pulses crop (urd, arhar) through Bio pesticide	1	1	ON	05/08/23	3	3	8	3	3	4	14	10	24
Production of bio pesticides	Techniques of bio pesticides production and their uses	1	1	OFF	11/09/23	3	3	8	3	3	4	14	10	24
Integrated Pest management	Management of insect pest & disease in rabi vegetables	1	1	ON	14/10/23	3	3	8	3	3	4	14	10	24
Integrated Pest management	Management of insect pest and disease in rabi oilseeds & pulses crop (pea, gram, lentil)	1	1	OFF	10/11/23	3	3	8	3	3	4	14	10	24
Bee keeping	Management of Bee hives	1	1	OFF	09/12/23	3	3	8	3	3	4	14	10	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Integrated Pest management	Control of storage grain pest	1	1	OFF	08/02/24	3	3	8	3	3	4	14	10	24
Total		**10**	**10**			**30**	**30**	**80**	**30**	**30**	**40**	**140**	**100**	**240**
VII. AGRICULTURAL ENGINEERING														
Farm Mechanization	Application of farm machinery & implements in agriculture	1	1	OFF	19/05/23	3	2	12	3	2	3	17	8	25
Post harvest Technology	Maintenance of thresher machine and its use	1	1	OFF	16/06/23	3	2	12	3	2	3	17	8	25
Rain Water Harvesting	Development of Rain Water Harvesting Structure	1	1	OFF	07/07/23	3	2	12	3	2	3	17	8	25
Use of plastic in farming system	Importance of plastic in farming system	1	1	ON	25/08/23	3	2	12	3	2	3	17	8	25
Small scale processing and value addition	Small scale processing and value addition	1	1	OFF	15/09/23	3	2	12	3	2	3	17	8	25
Micro Irrigation System	Care and maintenance of Micro irrigation system	1	1	ON	06/10/23	3	2	12	3	2	3	17	8	25
Production of small tools and equipments	Production of small tools in agriculture	1	1	OFF	10/11/23	3	2	12	3	2	3	17	8	25
Repair and maintenance of farm machinery and implements	Care & maintenance of farm machinery & implements	1	1	OFF	05/01/24	3	2	12	3	2	3	17	8	25
Soil & Water Conservation	Different conservation technique of soil erosion	1	1	OFF	09/02/24	3	2	12	3	2	3	17	8	25
Total		**09**	**09**			**27**	**18**	**108**	**27**	**18**	**27**	**153**	**72**	**225**

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
VIII. PRODUCTION OF INPUT AT KVK FARM														
Planting material production	Planting material production	1	1	ON	27/05/22	3	3	8	3	3	4	14	10	24
Bio fertilizer production	Bio fertilizer production	1	1	ON	10/06/22	3	3	8	3	3	4	14	10	24
Vermicompost production	Vermicompos t production	1	1	ON	11/07/22	3	3	8	3	3	4	14	10	24
Production of fry and fingerlings	Production of fry and fingerlings	1	1	ON	11/07/22	3	3	8	3	3	4	14	10	24
Total		**04**	**04**			**12**	**12**	**32**	**12**	**12**	**16**	**56**	**40**	**96**
IX. CAPACITY BUILDING (AGRICULTURE EXTENSION)														
Formation and management of SHG	Formation and management of SHG	1	1	OFF	July 22	3	3	8	3	3	4	14	10	24
Mobilization of social capital	Mobilization of social capital	1	1	OFF	Oct 22	3	3	8	3	3	4	14	10	24
Total		**02**	**02**			**06**	**06**	**16**	**06**	**06**	**08**	**28**	**20**	**48**
X. ARGO FORESTRY														
Integrated farming system	Integrated farming system	1	1	OFF	Aug 22	3	3	8	3	3	4	14	10	24
Total		**01**	**01**			**03**	**03**	**08**	**03**	**03**	**04**	**14**	**10**	**24**
Grand Total		**89**	**89**			**249**	**158**	**959**	**402**	**187**	**188**	**1395**	**748**	**2143**

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I. CROP PRODUCTION														
Seed production	Paddy seed production technology	1	5	ON	09-13/05/23	1	0	10	2	2	0	13	2	15
Seed production	Wheat seed production technology	1	5	ON	10-14/10/23	1	0	10	2	2	0	13	2	15
Total		**2**	**10**			**2**	**0**	**20**	**4**	**4**	**0**	**26**	**4**	**30**
II. HORTICULTURE														
Training & pruning of orchard	Training & pruning of litchi, Guava	1	07	ON	18-24/05/23	2	2	8	2	4	2	14	6	20
Plant propagation technique	Grafting of mango & layering of litchi, guava & lemon	1	07	ON	14-20/07/23	2	2	8	2	4	2	14	6	20
Nursery management of horticultural crops	Vegetable nursery management	1	07	ON	12-18/08/23	2	2	8	2	4	2	14	6	20
Post Harvest Technology	Post Harvest Technology in Mango	1	07	ON	17-23/10/23	2	2	8	2	4	2	14	6	20
Protected cultivation of vegetable crop	Cultivation of shimla mirch	1	05	ON	17-21/11/23	2	2	8	2	4	2	14	6	20
Commercial fruit production	Commercial production technology of mango	1	07	ON	16-22/01/24	2	2	8	2	4	2	14	6	20
Total		**6**	**40**			**12**	**12**	**48**	**12**	**24**	**12**	**84**	**36**	**120**
III. SOIL SCIENCE														
Vermi culture	Preparation and marketing of Vermi Composting.	1	5	ON	16-20/05/23	0	0	8	4	2	2	10	6	16
Natural Inputs	Preparation of Jeevamrit, Beejamrit and Ghanjeevamrit	1	5	ON	06-10/06/23	0	0	8	4	2	2	10	6	16
Production of organic input	Compost enrichment	1	5	ON	18-22/07/23	0	0	8	4	2	2	10	6	16
Vermiculture	Preparation and marketing of vermicompost	1	5	ON	16-20/10/23	0	0	8	4	2	2	10	6	16
Vermi culture	Preparation and marketing of Vermi Composting.	1	5	ON	12-16/12/23	0	0	8	4	2	2	10	6	16
Production of organic inputs	Preparation of BGA, Azolla	1	5	ON	06-10/02/24	0	0	8	4	2	2	10	6	16
Total		**6**	**30**			**0**	**0**	**48**	**24**	**12**	**12**	**60**	**36**	**96**

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IV. LIVE STOCK PRODUCTION												0	0	0
Para vet	Pashu Mitra	1	7	ON	17-23/05/23	2	0	12	0	6	0	20	0	20
Goatry	Goat rearing	1	7	ON	12-18/06/23	3	2	12	2	1	0	16	4	20
Fish cum duck farming	Fish farming	1	7	ON	10-16/07/23	3	2	12	2	1	0	16	4	20
Backyard poultry farming	poultry farming	1	7	ON	06-12/11/23	0	0	8	2	10	0	18	2	20
Piggery rearing	Pig Farming	1	7	ON	08-14/01/24	3	2	12	2	1	0	16	4	20
Dairy	Cow care & management	1	7	ON	12-18/02/24	3	0	10	3	4	0	17	3	20
Total		**6**	**42**			**14**	**06**	**66**	**11**	**23**		**103**	**17**	**120**
V HOME SCIENCE														
Value addition	Value added production	1	07	ON	15-20/05/23	0	0	0	15	0	5	0	20	20
Mushroom production	Techniques of mushroom production	1	07	ON	20-25/11/23	0	0	0	15	0	5	0	20	20
Mushroom production	Mushroom production	1	07	ON	18-23/12/23	0	0	0	15	0	5	0	20	20
Total		**3**	**21**			**0**	**0**	**0**	**45**	**0**	**15**	**0**	**60**	**60**
VI PLANT PROTECTION														
Lac cultivation	Cultivation of Lac	1	5	ON	11-15/04/23	4	2	5	2	5	2	14	6	20
Lac cultivation	Cultivation of Lac	1	5	ON	01-05/05/23	4	2	5	2	5	2	14	6	20
Bee Keeping	Management of Bee keeping.	1	5	ON	12-16/06/23	4	2	5	2	5	2	14	6	20
Mushroom cultivation	Spawn production	1	5	ON	11-15/09/23	4	2	5	2	5	2	14	6	20
Bee Keeping	Management of Bee keeping.	1	5	ON	04-8/11/23	4	2	5	2	5	2	14	6	20
Lac cultivation	Cultivation of Lac	1	5	ON	04-08/01/23	4	2	5	2	5	2	14	6	20
Total		**6**	**30**			**24**	**12**	**30**	**12**	**30**	**12**	**84**	**36**	**120**
VII. AGRICULTURAL ENGINEERING														
Micro Irrigation System	Installation & maintenance of micro irrigation systems	1	5	ON	15-19/05/23	0	0	10	6	0	0	10	6	16
Micro Irrigation System	Repair & maintenance of water lifting	1	5	ON	05-09/06/23	0	0	8	4	3	1	11	5	16

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
	devices (pump set)													
Micro Irrigation System	Installation & maintenance of micro irrigation systems	1	5	ON	07-11/08/23	0	0	10	6	0	0	10	6	16
Micro Irrigation System	Installation & maintenance of micro irrigation systems	1	5	ON	09-13/10/23	0	0	10	6	0	0	10	6	16
Micro Irrigation System	Repair & maintenance of water lifting devices (Pumpset)	1	5	ON	06-10/11/23	0	0	10	6	0	0	10	6	16
Micro Irrigation System	Installation & maintenance of micro irrigation systems	1	5	ON	05-09/02/24	0	0	10	6	0	0	10	6	16
Total		**6**	**30**			**0**	**0**	**58**	**34**	**03**	**01**	**61**	**35**	**96**
Grand Total		**35**	**203**			**58**	**36**	**270**	**142**	**90**	**46**	**418**	**224**	**642**

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Dura-tion	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Productivity enhancement in field crop	Kharif crop production technology	1	2	ON	08-09/05/23	3	2	10	5	7	3	20	10	30
Knowledge upgradation of EF at block level (kharif)	Kharif knowledge upgradation	6	1	OFF	12-16/06/23	18	12	60	30	42	18	120	60	180
Capacity building	Capacity building of matasya mitra	1	1	ON	13/06/23	3	2	10	5	7	3	20	10	30
Capacity building	Capacity building of Pashu Sakhi	1	2	ON	25-26/07/23	3	2	10	5	7	3	20	10	30
Capacity building	Capacity building of Krishi mitra	1	1	OFF	08/08/23	3	2	10	5	7	3	20	10	30
Capacity building	Capacity building of udyan mitra	1	1	OFF	20/08/23	3	2	10	5	7	3	20	10	30
Productivity enhancement in field crop	Rabi crop production technology	1	2	ON	18-19/10/23	3	2	10	5	7	3	20	10	30
Knowledge upgradation of EF at block level (rabi)	Rabi knowledge upgradation	6	1	OFF	25-31/10/23	18	12	60	30	42	18	120	60	180
Formation and management of SHG	Leadership training of SHG	1	1	ON	17/11/23	0	5	0	15	0	10	0	30	30
Total		**19**	**12**			**54**	**41**	**180**	**105**	**126**	**64**	**360**	**210**	**570**

(d) School Dropouts

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Soil health	Soil sampling	01	02	OFF	10-11/04/23	0	0	20	0	4	0	24	0	24
Pest & disease management	Pest & disease management	01	02	OFF	08-09/05/23	0	0	20	0	4	0	24	0	24
Nursery management	Nursery management of plantation crop	01	02	OFF	19-20/05/23	0	0	20	0	4	0	24	0	24
Animal vaccination	Animal vaccination	01	02	OFF	16-17/06/23	0	0	20	0	4	0	24	0	24
Propagation technique	Propagation technique	01	02	OFF	09-10/06/23	0	0	20	0	4	0	24	0	24
Animal vaccination	Animal vaccination	01	02	OFF	27-28/06/23	0	0	20	0	4	0	24	0	24
Fertilizer management	Fertilizer management	01	02	OFF	21-22/06/23	0	0	20	0	4	0	24	0	24
Propagation technique	Propagation technique	01	02	OFF	14-15/07/23	0	0	20	0	4	0	24	0	24
Fodder conservation	Silage making	01	02	OFF	18-19/09/23	0	0	20	0	4	0	24	0	24
Soil sampling	Soil sampling	01	02	OFF	03-04/10/23	0	0	20	0	4	0	24	0	24
Mushroom cultivation	Mushroom cultivation	01	02	OFF	10-11/10/23	0	0	0	15	0	5	0	20	20
Mushroom cultivation	Mushroom cultivation	01	02	OFF	08-09/11/23	0	0	0	15	0	5	0	20	20
Repair and maintenance of water lifting devices (Hand pump)	Repair and maintenance of water lifting devices	01	02	OFF	21-22/11/23	0	0	20	0	4	0	24	0	24
Net house management	Net house management	01	02	OFF	19-20/01/24	0	0	20	0	4	0	24	0	24
Total		**15**	**30**	**-**		**0**	**0**	**240**	**45**	**48**	**15**	**288**	**60**	**348**

(e) Vocational Training

Thrust area/ Thematic area	Title of Training	No.	Duration (in days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Garden management	Mali Training	1	15	ON	13-27/06/23	2	2	8	2	4	2	14	6	**20**
Para vet	Pashu Mitra/ Gopal Mitra	1	15	ON	25/05/23-08/06/23	3	0	12	0	1	0	16	0	**16**
Enterprise development	Cutting and tailoring	1	30	ON	01-30/06/23	0	5	0	5	0	5	0	15	**15**
Total		**3**	**45**			**5**	**7**	**20**	**7**	**5**	**7**	**30**	**21**	**51**

(f) ASCI Training

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Micro Irrigation Technician	Micro Irrigation Technician	1	200 hr	ON	02/01/24-26/02/24	-	-	10	5	10	-	20	5	**25**
Backyard Poultry Farmer	Backyard Poultry Farmer	1	210 hr	ON	16/02/23-14/03/23	-	-	10	5	10	-	20	5	**25**
Lac cultivation	Lac grower	1	200 hr	ON	01-30/09/23	2	0	20	0	3	0	25	0	**25**
Total		**3**				**2**	**0**	**40**	**10**	**23**	**0**	**65**	**10**	**75**

(g) Jal Shakti Abhiyan

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Rain Water Harvesting	Rain Water Harvesting system	1	1	ON	21/06/23	0	0	10	5	5	5	15	10	**25**
Rain Water Harvesting	Rain Water Harvesting system	1	1	OFF	28/07/23	0	0	10	5	5	5	15	10	**25**
Micro irrigation	Micro irrigation	1	1	OFF	18/08/23	0	0	10	5	5	5	15	10	**25**

system	system													
Micro irrigation system	Micro irrigation system	1	1	OFF	20/09/23	0	0	10	5	5	5	15	10	**25**
Total		**4**	**4**	**-**		**0**	**0**	**40**	**20**	**20**	**20**	**60**	**40**	**100**

(h) Training Programme under PMO

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Integrated Nutrient Management	Balance use of fertilizer	1	1	OFF	27/04/23	1	1	15	5	1	1	17	7	**24**
Integrated Nutrient Management	INM Training	1	1	OFF	04/05/23	1	1	15	5	1	1	17	7	**24**
Integrated Nutrient Management	INM Training	1	1	OFF	08/06/23	1	1	15	5	1	1	17	7	**24**
Micronutrient deficiency in crop	Liquid fertilizer application	1	1	OFF	06/07/23	1	1	15	5	1	1	17	7	**24**
Micronutrient deficiency in crop	Liquid fertilizer application	1	1	ON	10/08/23	1	1	15	5	1	1	17	7	**24**
Integrated Nutrient Management	Balance use of fertilizer	1	1	OFF	04/09/23	1	1	15	5	1	1	17	7	**24**
Integrated Nutrient Management	INM Training	1	1	OFF	05/10/23	1	1	15	5	1	1	17	7	**24**
Integrated Nutrient Management	Liquid fertilizer application	1	1	OFF	09/11/23	1	1	15	5	1	1	17	7	**24**
Total		**8**	**-**	**-**	**-**	**8**	**8**	**120**	**40**	**8**	**8**	**136**	**56**	**192**
Micro irrigation system	Micro irrigation system installation in vegetables	1	1	OFF	14/04/23	0	0	14	8	1	1	15	9	**24**
Micro irrigation system	Fertigation system in Micro irrigation	1	1	OFF	26/05/23	0	0	14	8	1	1	15	9	**24**

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Micro irrigation system	Micro irrigation system installation in vegetables	1	1	OFF	20/12/23	0	0	14	8	1	1	15	9	**24**
Micro irrigation system	Micro irrigation system installation in vegetables	1	1	OFF	22/01/24	0	0	14	8	1	1	15	9	**24**
Micro irrigation system	Micro irrigation system installation in vegetables	1	1	OFF	10/02/24	0	0	14	8	1	1	15	9	**24**
Micro irrigation system	Micro irrigation system installation in vegetables	1	1	OFF	19/03/24	0	0	14	8	1	1	15	9	**24**
Total		**6**	**6**	**-**	**-**	**0**	**0**	**84**	**48**	**6**	**6**	**90**	**54**	**144**

(i) Establishment of Micro Irrigation Demo unit PMO

Thrust area/ Thematic area	Demo unit	No.	Area (ha)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Micro irrigation system	Micro irrigation base vegetables cultivation	1	0.2	OFF	13/09/23	--	--	01	--	--	--	01	--	**01**
Micro irrigation system	Micro irrigation system installation in vegetables	1	0.2	OFF	11/09/23	--	--	--	01	--	--	--	01	**01**
Total		**2**	**0.4**	-	-	**--**	**--**	**01**	**01**	**--**	**--**	**01**	**01**	**02**

(J) Training Programme under Natural Farming

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Natural Inputs	Preparation of Jeevamrit,Beejamrit & Ghanjeevamrit	1	1	On	27/04/23	0	0	15	3	1	1	16	4	**20**
Natural Inputs	Preparation of Neemastra	1	1	On	04/05/23	0	0	15	3	1	1	16	4	**20**
Natural Inputs	Preparation of Agniastra & Bramhastra	1	1	On	08/06/23	0	0	15	3	1	1	16	4	**20**
Total		**03**	**03**			**0**	**0**	**45**	**9**	**3**	**3**	**48**	**16**	**60**

(k) Training under International Year of Millets & Natural Farming

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I. Crop Production														
ICM	Improve production technology of millets	1	1	OFF	15/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	16/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	17/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	18/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	19/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	22/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	23/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	24/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	25/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	26/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production technology of millets	1	1	OFF	27/05/23	3	2	11	3	2	3	16	8	24
ICM	Improve production	1	1	OFF	29/05/23	3	2	11	3	2	3	16	8	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
	technology of millets													
PHT	Post harvest technology	1	1	OFF	11/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	12/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	13/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	14/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	15/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	18/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	19/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	20/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	21/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	22/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	25/09/23	3	2	11	3	2	3	16	8	24
PHT	Post harvest technology	1	1	OFF	26/09/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	09/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	10/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	11/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	12/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	13/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	14/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	16/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	17/10/23	3	2	11	3	2	3	16	8	24

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Value addition	Value added products of millets	1	1	OFF	18/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	19/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	20/10/23	3	2	11	3	2	3	16	8	24
Value addition	Value added products of millets	1	1	OFF	21/10/23	3	2	11	3	2	3	16	8	24
Total		**36**	**36**			**108**	**72**	**396**	**108**	**72**	**108**	**576**	**288**	**864**

(l) Proposed Plan under NARI Project

SN	Activity	No.	Details
1	OFT	01	
2	FLD on specific aspects	15	Nutritional Garden in 15 villages
3	Capacity development programme On specified aspects	06	
4	Total No. of farm women/girls to be involved	15	

(m) Swachchta Action Plan Activities

SN	Activities		Number
1.	Digitization of office records/ e-office (in Numbers)	:	02
2.	Basic maintenance (in Numbers)	:	02
3.	Sanitation and SWM (in Numbers)	:	06
4.	Cleaning and beautification of surrounding areas (in Numbers)	:	12
5.	Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste (in Numbers)	:	12
6.	Used water for agriculture/ horticulture application (in Numbers)	:	08
7.	Swachhta Awareness at local level (in Numbers)	:	12
8.	Swachhta Workshops (in Numbers)	:	04
9.	Swachhta Pledge (in Numbers)	:	02
10.	Display and Banner (in Numbers)	:	20
11.	Foster healthy competition (in Numbers)	:	02
12.	Involvement of print and electronic media (in Numbers)	:	04
13.	Involving the help of the farmers, farm women and village youth in their adopted villages (no. of adopted villages)	:	20
14.	No. of Staff members involved in the activities (in Numbers)	:	16
15.	No. of VIP/VVIPs involved in the activities (in Numbers)	:	
16.	Any other specific activity (in details)	:	
17.	Expenditure (in Rs.)	:	

(i) Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	2	3	5	3	2	5	11	3	14	16	8	24
Resource Conservation Technologies	1	2	3	5	3	2	5	11	3	14	16	8	24
Cropping Systems	1	2	3	5	3	2	5	11	3	14	16	8	24
Crop Diversification	1	2	3	5	3	2	5	11	3	14	16	8	24
Integrated Farming	1	2	3	5	3	2	5	11	3	14	16	8	24
Water management	1	2	3	5	3	2	5	11	3	14	16	8	24
Seed production	1	2	3	5	3	2	5	11	3	14	16	8	24
Nursery management													
Integrated Crop Management	7	14	21	35	21	14	35	77	21	98	112	56	168
Fodder production	1	2	3	5	3	2	5	11	3	14	16	8	24
Production of organic inputs	1	2	3	5	3	2	5	11	3	14	16	8	24
Others													
Post harvest technology	1	2	3	5	3	2	5	11	3	14	16	8	24
TOTAL (Crop production)	**17**	**34**	**51**	**85**	**51**	**34**	**85**	**187**	**51**	**238**	**272**	**136**	**408**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	2	10	0	10	10	0	10	28	0	28	48	0	48
Off season vegetables													
Nursery raising	1	5	0	5	5	0	5	14	0	14	24	0	24
Exotic vegetables like Broccoli	1	5	0	5	5	0	5	14	0	14	24	0	24
Export potential vegetables													
Grading and standardization	1	5	0	5	5	0	5	14	0	14	24	0	24
Protective cultivation (Green Houses, Shade Net etc.)	1	5	0	5	5	0	5	14	0	14	24	0	24
Others, if any													
TOTAL	**6**	**30**	**0**	**30**	**30**	**0**	**30**	**84**	**0**	**84**	**144**	**0**	**144**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	5	0	5	5	0	5	14	0	14	24	0	24
Cultivation of Fruit	1	5	0	5	5	0	5	14	0	14	24	0	24
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	1	5	0	5	5	0	5	14	0	14	24	0	24
Others, if any													
TOTAL	**3**	**15**	**0**	**15**	**15**	**0**	**15**	**42**	**0**	**42**	**72**	**0**	**72**
c) Ornamental Plants													
Nursery Management													
Management of potted plants	1	5	0	5	5	0	5	14	0	14	24	0	24
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
TOTAL	**1**	**5**	**0**	**5**	**5**	**0**	**5**	**14**	**0**	**14**	**24**	**0**	**24**
d) Plantation crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology	1	5	0	5	5	0	5	14	0	14	24	0	24
Processing and value addition													
Others, if any													
TOTAL	**1**	**5**	**0**	**5**	**5**	**0**	**5**	**14**	**0**	**14**	**24**	**0**	**24**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	1	5	0	5	5	0	5	14	0	14	24	0	24
Post harvest technology and value addition													
Others, if any													
TOTAL	**1**	**5**	**0**	**5**	**5**	**0**	**5**	**14**	**0**	**14**	**24**	**0**	**24**
TOTAL (Horticulture)	**12**	**60**	**0**	**60**	**60**	**0**	**60**	**168**	**0**	**168**	**288**	**0**	**288**
III. Soil Health and Fertility Management													
Soil fertility management	1	1	1	2	2	2	4	14	4	18	17	7	24
Soil and Water Conservation													
Integrated Nutrient Management	3	3	3	6	6	6	9	42	12	54	51	21	72
Production and use of organic inputs	2	2	2	4	4	4	8	28	8	36	34	14	48
Management of Problematic soils	1	1	1	2	2	2	4	14	4	18	17	7	24
Micro nutrient deficiency in crops	1	1	1	2	2	2	4	14	4	18	17	7	24
Nutrient Use Efficiency	1	1	1	2	2	2	4	14	4	18	17	7	24
Soil and Water Testing	1	1	1	2	2	2	4	14	4	18	17	7	24
Others, if any													
Soil health management	2	2	2	4	4	4	8	28	8	36	34	14	48
TOTAL	**12**	**12**	**12**	**24**	**24**	**24**	**36**	**168**	**48**	**216**	**204**	**84**	**288**
IV. Livestock Production and Management													
Dairy Management	1	1	0	1	3	1	4	16	3	19	20	4	24
Poultry Management	1	1	0	1	3	1	4	16	3	19	20	4	24
Piggery Management	1	1	0	1	3	1	4	16	3	19	20	4	24
Rabbit Management													
Disease Management	1	1	0	1	3	1	4	16	3	19	20	4	24
Feed management	1	1	0	1	3	1	4	16	3	19	20	4	24
Production of quality animal products													
Others, if any (Goat farming)													
Duck cum fish farming	1	1	0	1	3	1	4	16	3	19	20	4	24
Fodder conservation	1	1	0	1	3	1	4	16	3	19	20	4	24
Vaccination	1	1	0	1	3	1	4	16	3	19	20	4	24
Fodder production & development	1	1	0	1	3	1	4	16	3	19	20	4	24
Milk production	1	1	0	1	3	1	4	16	3	19	20	4	24
Control of ecto parasite	1	1	0	1	3	1	4	16	3	19	20	4	24
Goat management	1	1	0	1	3	1	4	16	3	19	20	4	24
TOTAL	**12**	**12**	**0**	**12**	**36**	**12**	**48**	**192**	**36**	**570**	**240**	**48**	**288**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	3	3	0	1	1	0	18	18	0	22	22
Design and development of low/minimum cost diet	1	0	3	3	0	2	2	0	19	19	0	24	24
Designing and development for high nutrient efficiency diet	1	0	3	3	0	2	2	0	19	19	0	24	24
Minimization of nutrient loss in processing	1	0	3	3	0	2	2	0	19	19	0	24	24
Gender mainstreaming through SHGs	1	0	3	3	0	2	2	0	19	19	0	24	24
Storage loss minimization techniques	1	0	3	3	0	2	2	0	19	19	0	24	24
Enterprise development													
Value addition	1	0	3	3	0	2	2	0	19	19	0	24	24
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	0	3	3	0	2	2	0	19	19	0	24	24
Rural Crafts													
Capacity building													
Women and child care	1	0	3	3	0	2	2	0	19	19	0	24	24
Others, if any													
Group dynamics	1	0	3	3	0	2	2	0	19	19	0	24	24
TOTAL	**10**	**0**	**30**	**30**	**0**	**19**	**19**	**0**	**189**	**189**	**0**	**238**	**238**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	2	3	5	3	2	5	12	3	15	17	8	25
Use of Plastics in farming practices	1	2	3	5	3	2	5	12	3	15	17	8	25
Production of small tools and implements	1	2	3	5	3	2	5	12	3	15	17	8	25
Repair and maintenance of farm machinery and implements	1	2	3	5	3	2	5	12	3	15	17	8	25
Small scale processing and value addition	1	2	3	5	3	2	5	12	3	15	17	8	25
Post Harvest Technology	1	2	3	5	3	2	5	12	3	15	17	8	25
Others, if any													
Farm mechanization	1	2	3	5	3	2	5	12	3	15	17	8	25
Soil and water conservation	1	2	3	5	3	2	5	12	3	15	17	8	25
Rain water harvesting	1	2	3	5	3	2	5	12	3	15	17	8	25
TOTAL	**9**	**18**	**27**	**45**	**27**	**18**	**45**	**108**	**27**	**135**	**153**	**72**	**225**
VII. Plant Protection													
Integrated Pest Management	4	12	16	28	12	12	24	32	12	44	56	40	96
Integrated Disease Management	1	3	4	7	3	3	6	8	3	11	14	10	24
Bio control of pests and diseases	1	3	4	7	3	3	6	8	3	11	14	10	24
Production of bio control agents and bio pesticides	1	3	4	7	3	3	6	8	3	11	14	10	24
Others, if any													
Bee Keeping	1	3	4	7	3	3	6	8	3	11	14	10	24
Lac cultivation	1	3	4	7	3	3	6	8	3	11	14	10	24
Seed Treatment	1	3	4	7	3	3	6	8	3	11	14	10	24
TOTAL	**10**	**30**	**40**	**70**	**30**	**30**	**60**	**80**	**30**	**110**	**140**	**100**	**240**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production	1	3	4	7	3	3	6	8	3	11	14	10	24
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production	1	3	4	7	3	3	6	8	3	11	14	10	24
Vermi-compost production	1	3	4	7	3	3	6	8	3	11	14	10	24
Organic manures production													
Production of fry and fingerlings	1	3	4	7	3	3	6	8	3	11	14	10	24
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL	**4**	**12**	**16**	**28**	**12**	**12**	**24**	**32**	**12**	**44**	**42**	**40**	**96**
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	3	4	7	3	3	6	8	3	11	14	10	24
Mobilization of social capital	1	3	4	7	3	3	6	8	3	11	14	10	24
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL	**2**	**6**	**8**	**14**	**6**	**6**	**12**	**16**	**6**	**22**	**28**	**20**	**48**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems	1	3	4	7	3	3	6	8	3	11	14	10	24
TOTAL	**1**	**3**	**4**	**7**	**3**	**3**	**6**	**8**	**3**	**11**	**14**	**10**	**24**
XII. Others (Pl. Specify)													
TOTAL	**89**	**187**	**188**	**375**	**249**	**158**	**395**	**959**	**402**	**1703**	**1381**	**748**	**2143**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	2	0	10	0	10	0	0	0	30	30	0	40	40
Bee keeping	2	10	4	14	8	4	12	10	4	14	28	12	40
Integrated farming													
Seed production	2	4	0	4	2	0	2	20	4	24	26	4	30
Production of organic inputs	2	4	4	8	0	0	0	16	8	24	20	12	32
Planting material production													
Vermiculture	3	6	6	12	0	0	0	24	12	36	30	18	48
Sericulture													
Protected cultivation of vegetable crops	1	4	2	6	2	2	4	8	2	10	14	6	20
Commercial fruit production	1	4	2	6	2	2	4	8	2	10	14	6	20
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1	4	2	6	2	2	4	8	2	10	14	6	20
Training and pruning of orchards	1	4	2	6	2	2	4	8	2	10	14	6	20
Value addition	1	0	5	5	0	0	0	0	15	0	0	20	20
Production of quality animal products													
Dairying	1	4	0	4	3	0	3	10	3	13	17	3	20
Sheep and goat rearing	1	1	0	1	3	2	5	12	2	14	16	4	20
Quail farming													
Piggery	1	1	0	1	3	2	5	12	2	14	16	4	20
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets	1	6	0	6	2	0	2	12	0	12	20	0	20
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post Harvest Technology	1	4	2	6	2	2	4	8	2	10	14	6	20
Rural Crafts													
Backyard poultry farming	1	10	0	10	0	0	0	8	2	10	18	2	20
Fish cum duck farming	1	1	0	1	3	2	5	12	2	14	16	4	20
Micro irrigation	6	3	1	4	0	0	0	58	34	92	61	35	96
Lac cultivation	3	15	6	21	12	6	18	15	8	22	42	18	60
Plant propagation technique	1	4	2	6	2	2	4	8	2	10	14	6	20
Spawn cultivation	1	5	2	7	4	2	6	5	2	7	14	6	20
Natural input	1	2	2	4	0	0	0	8	4	12	10	6	16
TOTAL	**35**	**96**	**52**	**138**	**62**	**30**	**82**	**270**	**144**	**398**	**418**	**224**	**642**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	14	6	20	6	4	10	20	10	30	40	20	60
Integrated Pest Management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs	1	0	10	10	0	5	5	0	15	15	0	30	30
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
Capacity building	4	28	12	40	12	8	20	40	20	60	80	40	120
knowledge up gradation of EF at block level	12	84	36	120	36	24	60	120	60	180	240	120	360
TOTAL	**19**	**126**	**64**	**190**	**54**	**41**	**95**	**180**	**105**	**285**	**360**	**210**	**570**

Proposed Plan under CFLD 2023-24

Season	Crop	Area (ha)
A. CFLD on Oil seed		
Kharif	Niger (Variety – Birsa Niger-1)	30
	Groundnut (Variety –TG-51)	10
	Sesame ((Variety – Subhra)	20
Rabi	Mustard (Variety – PM-30)	30
	Linseed (Variety – Arpita/Sabour tisi-1)	10
Total		**100**
B. CFLD on Pulses		
Kharif	Blackgram (Variety – PU-31)	40
	Redgram (Variety –Rajeev Lochan)	30
	Lentil (Variety –PL-08)	10
Total		**80**
Grand Total (OLS & PLS)		**180**

3. Frontline demonstration to be conducted

Crop No. **: 01** **Crop** : **Rice** **Thrust Area** : Productive enhancement in Rice
Thematic Area : Integrated Crop Management **Season**: Kharif 22 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	02	Variety – Rajendra Kasturi	1. No. of plant/m^2 2.Plant height (cm) 3. Yield (Q/ha) 4. BCR	Seed	1600	1200	0	0	2	3	1	0	2	2	6
2	Rice	02	Variety – Swarna Shreya	1. No. of effective tiller/m^2 2. Yield (Q/ha) 3. BCR	Seed	1600	1800	0	0	5	2	0	0	5	2	7
	Total	**24.5**						**0**	**0**	**7**	**5**	**1**	**0**	**7**	**4**	**13**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day (Var-Rajendra Kasturi)	Production technology	02	VLWs, Sakhi mandal	01	OFF	0	0	30	20	05	05	35	25	60
Field Day (Var-Swarna Shreya)	Production technology	02		01	OFF	0	0	30	20	05	05	35	25	60

* Under RKVY

Crop No. : **02** **Crop** : **Rice** **Thrust Area** : Weed Management
Thematic Area : Farm Mechanization **Season**: Kharif 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	01	Power weeder machine	1. Weed control efficiency (%) 2. No. of effective tiller/m^2 4. Yield (Q/ha) 5. BCR	Rice seed + Power weeder charge	1000	7600	0	0	1	2	0	0	1	2	3
	Total	**03**						**0**	**0**	**1**	**2**	**0**	**0**	**1**	**2**	**3**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Power weeder	01	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	03	02	10	10	10	05	23	17	40

Crop No. **: 03** **Crop** : **Maize** **Thrust Area** : Productive enhancement in Maize
Thematic Area : Integrated Pest Management **Season**: Kharif 23 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Maize	05	Pesticides	1. No. of plant/m^2 2.No. of whole in randam 10 plants (cm) 3. Yield (Q/ha) 4. BCR	Fipronil & Spinosad	3000	1500	0	0	6	4	1	1	7	5	12
	Total	**5.0**						**0**	**0**	**6**	**4**	**1**	**1**	**7**	**5**	**12**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Production technology	01	VLWs, Sakhi mandal & farmers	01	OFF	0	0	20	10	05	05	25	15	40

Crop No. : **04** **Crop** : **Maize** **Thrust Area** : Productivity enhancement in maize
Thematic Area : ICM **Season**: Kharif 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Maize	01	Variety – HQPM	1. No. of grain/cob 2. Plant population/m2 3.Length of cub (cm) 4. Yield (Q/ha) 5. BCR	Variety and need based pesticides	800	1000	0	0	2	1	0	0	2	1	3
2	Maize	02	DMRH 1308			3000	1000	0	0	6	2	0	0	6	2	8
	Total	**03**						**0**	**0**	**8**	**3**	**0**	**0**	**8**	**3**	**11**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	ICM	01	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	03	02	10	10	10	05	23	17	40
Field day	ICM	01		01	OFF	03	02	10	10	10	05	23	17	40

Crop No. : **05** **Crop** : **Ragi & Buckwheat** **Thrust Area** : Productivity enhancement in Ragi
Thematic Area : ICM **Season** : Kharif 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ragi	16	Variety – BM-3	1. No. of plant/m^2 2. Plant length (cm) 3. Yield (Q/ha) 4. BCR	Seed	280	400	2	0	20	10	5	3	27	13	40
2	Buckwheat	03	-		Seed	250	200	0	0	2	5	2	0	4	5	9
	Total	**18**						**2**	**0**	**22**	**15**	**7**	**3**	**31**	**18**	**49**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	ICM	04	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	10	5	30	20	15	0	55	25	80

Crop No. **: 06** **Crop**: **Wheat** **Thrust Area**: Promotion of short duration high yielding variety

Thematic Area : ICM **Season**: Rabi 2023 **Farming Situation** : Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Wheat	10	Variety – DBW-147	1.No. of plant/m^2 2.Plant height (cm) 3.Length of spike 4. Yield (Q/ha) 5. BCR	Seed	4000	2000	0	0	10	5	10	0	20	5	25
2	Wheat	0.4	Variety- Sabour nirjal		Seed	1600	2000	0	0	1	1	1	0	2	1	03
	Total	**10.8**						**0**	**0**	**11**	**6**	**11**	**0**	**22**	**6**	**28**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	ICM	04	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	10	5	15	15	5	0	30	20	50

Crop No. : **07** **Crop** : **Marigold** **Thrust Area** : Flower production
Thematic Area : ICM **Crop Season** : Rabi 2023 **Farming Situation** : Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./acre)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Marigold	0.4	Variety – Hawai Oragnge	1. No. of flower/plant 2. Yield (Q/ha) 3. BCR	Seed	4000	0	0	0	0	1	0	0	1	0	1

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Flower cultivation	2	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	1	Off	0	0	10	5	5	0	15	5	20

Crop No. : **08** **Crop** : **Mango** **Thrust Area** : Micronutrient management
Thematic Area : INM **Crop Season** : Rabi 2023 **Farming Situation** : Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./acre)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Mango	0.4	Variety – Swarna Vijiya	1.Yield (Q/ha) 2. BCR	Zinc sulphate	1500	0	0	0	1	0	0	0	1	0	1

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Mango	1	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	1	OFF	0	0	15	05	05	05	20	10	30

Crop No. **: 09** **Crop** : **Mango** **Thrust Area** : Productive enhancement in Mango
Thematic Area : Integrated Pest Management **Season**: Kharif 23 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Mango	05	Pesticides	1. No. of hopper/panicile 2.No. of fruits / tree 3. Yield (Q/ha) 4. BCR	Imidacloprid, Acitamiprid & Spinosad	2000	1000	0	0	6	6	0	0	6	6	12
	Mango	05	Pesticides	1. No. of fruit drop/plant 2.No. of fruits / tree 3. Yield (Q/ha) 4. BCR	Pheromone trap for fruit fly	2000	1000	0	0	6	6	0	0	6	6	12
	Total	**10.0**						**0**	**0**	**12**	**12**	**0**	**0**	**12**	**12**	**24**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Production technology	01	VLWs, BTM, ATM, Sakhi mandal & farmers	01	OFF	0	0	20	10	05	05	25	15	40
Field Day	IPM	01	VLWs, BTM, ATM, Sakhi mandal & farmers	01	OFF	0	0	20	10	05	05	25	15	40

Crop No. : 10 **Crop** : Tomato **Thrust Area** : Commercial Tomato cultivation
Thematic Area : ICM **Crop Season** : Kharif 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tomato	02	Variety-Swarna vijaya	1. No. of plants/m^2 2. No. of fruit/plant 3. Yield (Q/ha) 4. BCR	Seed	4500	12000	0	0	5	0	0	0	0	5	5

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Commercial Tomato Cultivation	02	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	0	0	10	20	0	0	20	10	30

Crop No. : 11 **Crop** : Ginger **Thrust Area** : Organic spices cultivation
Thematic Area : IPM **Crop Season** :Kharif 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	No. of plants	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Broodlac	55	Management of pest through bio-agent	1.Yield (Q/ha) 2. BCR	Insecticide	1000	500	0	0	5	2	2	2	7	4	11

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Brood lac treatment management	01	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	0	0	10	20	0	0	20	10	30

Crop No. : 12 **Crop** : Chilli **Thrust Area** : Organic spices cultivation
Thematic Area : IPM **Crop Season** :Rabi 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Chilli	0.4	Management of wilt disease through bio-agent	1.Yield (Q/ha) 2. BCR	Variety-Swarna Arohi/ Swarna prafulia	4500	500	0	0	1	1	0	0	1	1	2

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Promotion of Organic spices cultivation	02	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	0	0	10	20	0	0	20	10	30

Crop No. : 13 **Crop** : Wheat **Thrust Area** : Productivity enhancement in wheat
Thematic Area : Reclamation of soil **Season** : Rabi 2023 **Farming Situation** : Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Wheat	0.4	Dolomite application	1. Soil pH, N,P,K 2. Yield (Q/ha) 3. BCR	Dolomite	1000	0	0	0	2	0	1	0	3	0	3

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Importance of dolomite application and method	1	Farmers	1	OFF	0	0	2	0	1	0	3	0	3

Crop No. **: 14** **Crop** : **Wheat** **Thrust Area** : Promotion of RCT
Thematic Area : RCT **Season** :Rabi 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Wheat	1.0	Zero tillage machine	1.No. of effective tiller/m^2 2.No. of irrigation 3. Yield (q/ha) 4. B:C	Zero till machine & Seed	5350	3000	0	0	01	02	0	0	01	02	03

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Zero tillage	01	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	00	00	15	05	05	00	20	05	25

Crop No. **: 15** **Crop** **: Chilli** **Thrust Area**: Fodder production
Thematic Area : Fodder production **Season** : Kharif 2023 **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Demonstration (Rs./ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Maize	2	Variety		Seed	2500	0	0	0	2	2	1	0	3	2	5
2	Rice bean	2	Variety		Seed	2500	0	0	0	2	2	1	0	3	2	5
	Total	**4**					**0**	**0**	**0**	**4**	**4**	**2**	**0**	**6**	**4**	**10**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Importance of fodder	01	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	0	0	10	10	5	5	15	15	30

Enterprise No. : 01 **Animal** : **Backyard poultry** **Thrust Area** : Egg production
Thematic Area : Poultry management **Season** : Winter **Farming Situation** : Rainfed

Sl. No.	Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Backyard poultry	03 unit (each of 25 birds)	Breed – Divyayan red	1.No. of egg/year 2.Body weight gain (gm) 3. BCR	25 birds	2000	1000	-	-	-	1	-	-	-	1	1
2			Breed – Jharsheem		25 birds	2000	1000	-	-	-	1	-	-	-	1	1
3			Breed – Kadaknath		25 birds	2000	1000	-	-	-	-	-	1	-	-	1
	Total				**75 birds**			**0**	**0**	**0**	**2**	**0**	**1**	**0**	**2**	**3**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Management of backyard poultry	01	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	0	2	10	5	3	4	13	11	24

Enterprise No. : 02 **Enterprise** : **Composite fish farming** **Thrust Area**: Promotion of composite fish farming
Thematic Area : Fish management **Season** : Rainy season **Farming Situation** : Rainfed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Composite fish culture	05 ponds	Rohu, catla, & mrigal	Body weight (gm)	Fingerlings	5760	1200	0	0	0	05	0	05	0	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Fish management	1	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	0	1	10	8	3	1	13	12	25

Enterprise No. : 03 **Enterprise** : **Mushroom** **Thrust Area** : Mushroom cultivation
Thematic Area : Mushroom cultivation **Season** : **Farming Situation** : Rainfed

Sl. No.	Enterprise	Proposed Area Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Mushroom	20 units 20 villages) each with 20 bundles	Oyester mushroom	Yield per bundle (kg)	Spawn	50.00/bundle	55.00/bundle	0	5	0	50	0	10	0	60	60

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Mushroom cultivation	02	ATMA personal, BAO, Progressive farmer, Media, VLWs, Sakhi mandal	01	OFF	0	10	0	170	0	20	0	200	200

Enterprise No. : 04 **Enterprise** : **Vermiculture** **Thrust Area** : Organic input production
Thematic Area : Vermiculture **Season** :Kharif, Rabi & Zaid **Farming Situation** : Rainfed

Sl. No.	Enterprise	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)/Bed			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Vermiculture	50000 no. (20 SHG/ Farmers in 05 villages)	Worms	Yield	Worms	1200	0	0	0	2	15	3	0	5	15	20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Vermicompost production technology	1	Farmers	5	ON	0	0	2	15	3	0	5	15	20

4. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Seed Production								
Ragi	BM-03	July 23-Nov 23	0.80	Seed	10.00	24000.00	30000.00	6000.00
Rice	Swarna Shreya	July 23 – Nov 23	0.20	Seed	6.00	9000.00	15000.00	6000.00
Rice	Sahbhagi	July 23 – Dec 23	2.00	Seed	80.00	120000.00	152000.00	32000.00
Redgram	Rajiv Lochan	June 23– March 24	1.00	Seed	10.00	45000.00	72000.00	27000.00
Groundnut	TG-51	June 23 – Oct 23	0.40	Seed	6.00	26000.00	48000.00	22000.00
Niger	Birsa Niger-3	Aug 23 – Nov 23	2.00	Seed	5.00	34000.00	45000.00	11000.00
Mustard	PM- 30	Oct 23- March 24	1.00	Seed	10.00	35000.00	60000.00	25000.00
Wheat	Sabour nirjal	Nov 23 – April 24	0.40	Seed	10.00	23000.00	40000.00	17000.00
Gram		Nov 23-March 24	0.20	Seed	2.00	8000.00	14000.00	6000.00
		Total	**8.00**		**139.00**	**324000.00**	**476000.00**	**152000.00**
Fruit Production								
Lemon	Kagaji	April 23 – Mar 24	0.04	Fruit	500 no.	800.00	1500.00	700.00
Orange	Nagpur Santra	March 24	0.14	Fruit	1.00	3000.00	5000.00	2000.00
HD Guava	L-49. Kg guava, Allahabad Safeda	Oct 23-Jan 24	0.50	Fruit	10.00	5000.00	10000.00	5000.00
Mango	Amrapali, Langra, Himsagar	June 23 – Aug 23	3.40	Fruit	60.00	25000.00	120000.00	95000.00
		Total	**4.08**		**71.0 q 500 no.**	**33800.00**	**136500.00**	**102700.00**

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (nos)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Planting materials & Seedlings								
Vegetables								
Tomato	Swarna Sampada/	May 23 – July 23	0.0003 (3 m^2)	Seedling	2000 no.	1000.00	2000.00	1000.00
Tomato	Swarna Kanchan	May 23 – July 23	0.0003 (3 m^2)	Seedling	2000 no.	1000.00	2000.00	1000.00
Tomato	Swarna Lalima	Sep 23- Oct 23	0.0003 (3 m^2)	Seedling	2000 no.	1000.00	2000.00	1000.00
Brinjal	Swarna Syamali	May 23-Aug 23	0.0003 (3 m^2)	Seedling	2000 no.	1000.00	2000.00	1000.00
Brinjal	VNR-218	Sep 23- Oct 23	0.0003 (3 m^2)	Seedling	2000 no.	1000.00	2000.00	1000.00
Chilli	Swarna parfulia	May 23– June 23	0.0003 (3 m^2)	Seedling	2500 no.	1100.00	2500.00	1400.00
Chilli	Siam hot	Sept 23- Oct 23	0.0003 (3 m^2)	Seedling	2500 no.	1100.00	2500.00	1400.00
Cabbage	Golden acre	Oct 23 – Nov 23	0.0003 (3 m^2)	Seedling	2500 no.	1100.00	2500.00	1400.00
Total (Veg)					**17500 no.**	**8300.00**	**17500.00**	**8300.00**
Fruits								
Mango	Amrapali, Langra	July 23-Aug 23	0.07	Sapling	1500 no.	90000.00	150000.00	60000.00
Mango	Local	June 23-Aug 23	0.03	Mango root stock	5000 no.	10000.00	50000.00	40000.00
Guava	L-49	June 23-July 23	0.0024	Sapling	600 no.	12000.00	30000.00	18000.00
Pomegranate	Ganesh	July 23- Aug 23	0.012	Sapling	100 no.	1500.00	3000.00	1500.00
Pear	Netarhat selection	Dec 23– Jan 23	0.0012	Sapling	100 no.	10000.00	20000.00	10000.00
Jackfruit	Local	July 23 – Aug 23	0.0006	Seedling	400 no.	4000.00	8000.00	4000.00
Papaya	Ranchi Papaya	May 23- July 23	0.003	Plant	2000 no.	20000.00	30000.00	10000.00
Total (Fruits)					**10600 no**	**147500.00**	**291000.00**	**143500.00**
Fodder								
Napier	Pusa Jayant	July 23– Aug 23	0.06 (600 m^2)	Slip	20000 no.	8000.00	20000.00	12000.00

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (nos)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Total (Fodder)					**20000 no**	**8000.00**	**20000.00**	**12000.00**
Flower								
Marigold	Pusa Narangi	July 23 -Aug 23	0.0002 (2 m^2)	Seedling	1000 no.	600.00	2000.00	1400.00
Total (Flower)			**0.0002**		**1000 no.**	**600.00**	**2000.00**	**1400.00**
Medicinals								
Lemon grass	Krishna	July 23- Aug 23	0.0003 (3 m^2)	Slip	12000 slip	3500.00	6000.00	2500.00
Pamarosa	PRC-1	June 23- July 23	0.0002 (2 m^2)	Slip	3000 slip	600.00	1500.00	900.00
Khas	KS-1	June 23- July 23	0.004	Slip	600 slip	200.00	300.00	100.00
Total (Medicinal)			**0.0045**		**12000 slip 15600 no.**	**4300.00**	**7800.00**	**3500.00**
		Grand Total						

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Vegetables production at farm								
Kharif								
Tomato	Swarna Sampada, Suraksha, Swarna Kanchan	June 23-Aug 23	0.05	Green vegetables	4.50	3000.00	4500.00	1500.00
Brinjal	Swarna shyamali	June 23-Aug 23	0.05	Green vegetables	5.00	3500.00	7500.00	4000.00
Chilli	Swarna prafulia	June 23-Aug 23	0.05	Green vegetables	3.00	4500.00	9000.00	4500.00
Okra	Arka anamika	May 23 – June 23	0.05	Green vegetables	2.50	2000.00	2500.00	500.00
		Total (Kharif)	**0.25**		**19.5**	**16000.00**	**28000.00**	**12000.00**
Rabi								
Cabbage	Golden acre	Oct 23-Dec 23	0.02	Green vegetables	3.0	1500.00	3000.00	1500.00
Tomato	Swarna lalima	Oct 23-Dec 23	0.05	Green vegetables	5.0	3500.00	5000.00	1500.00
Brinjal	VNR-258	Nov 23- Dec 23	0.05	Bulb	6.0	3700.00	7200.00	3500.00
Chilli	Siam hot/ Agni	Nov 23- Dec 23	0.05	Green vegetables	3.5	6000.00	10500.00	4500.00
		Total (Rabi)	**0.15**		**17.5**	**14700.00**	**25700.00**	**11000.00**
Summer								
Bottle gourd	Anokhi	Jan 23 – March 24	0.10	Green vegetables	6.00 q	4000.00	8000.00	4000.00
Okra	Arka anamika	Jan 23 – March 24	0.10	Green vegetables	5.00 q	4000.00	7500.00	3500.00
Tomato	Swarna Kanchan	Jan 23 – March 24	0.10	Green vegetables	9.00 q	6000.00	9000.00	3000.00
Chilli	Syam Hot	Jan 23 – March 24	0.10	Green vegetables	6.00 q	9000.00	13500.00	4500.00
		Total (Summer)	**0.40**		**26.0**	**23000.00**	**38000.00**	**26000.00**
Enterprise								

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Vermicompost	Compost	April 23- March 24	185 sq ft	Compost	300 Q	150000.00	300000.00	150000.00
Worm	Culture	April 23- March 24	185 sq ft	Culture	50000 no	5000.00	25000.00	20000.00
Jeevamrut		April 23- March 24	150 sq ft		10000 liter	50000.00	150000.00	100000.00
Azolla		April 23- March 24	300 sq ft		1.0 q	500.00	1000.00	500.00
Neemastra		April 23- March 24			100 q	1500.00	3000.00	1500.00
Agneyastra		April 23- March 24			50 q	1000.00	2500.00	1500.00
Brahamastra		April 23- March 24			50 q	1000.00	2500.00	1500.00
Ghanjeevamrit		April 23- March 24			20 q	8000.00	20000.00	12000.00
Mushroom Spawn	Oyster	Aug 23– Dec 23		Spawn	3.0 q	28800.00	45000.00	16200.00
Duck	Khakhi campbell	April 23- March 24	1500 sq ft	Egg	300 no.	1400.00	2400.00	1000.00
Pig	T&D	April 23- March 24	3600 sq ft	Piglet	30 no.	90000.00	180000.00	90000.00
Goat	Black Bangal	April 23- March 24	0.30 ha	Kids	15 no.	24000.00	60000.00	36000.00
				Total	**324.00 Q 50345 no. 10200 liter**	**361200.00**	**750900.00**	**430200.00**
				Grand Total	**606 q 115545 no. 10200 lit**	**941400.00**	**1793400.00**	**884600.00**

b) Natural Farming Unit at Salam Farm (2023-24)
Area : 0.14ha.

Season	Crop (Variety/Type)	Period	Area (ha.)	Type of Produce	Expected production (q.)	Cost of inputs (Rs.)	Expected gross income (Rs.)	Expected net income (Rs.)	B:C
Kharif - 23	Maize + Lima Bean (Hybrid + Local)	June 23 – Sep. 23	0.07	Green cob & Vegetable	3.5	5000	7000	2000	1.40
	Ragi (BM 3)	June 23 – Sep. 23	0.07	Seed	1.2	3000	4800	1800	1.60
Rabi - 23	Field pea + Mustard (VL - 42 + BBM-1)	Oct. 23 – Feb. 24	0.14	Seed	2.0	6500	10000	3500	1.54
Zaid - 24	Radish (OP)	March 24 – May 24	0.07	Vegetable	6.0	4000	6000	2000	1.50
	Lady Finger (OP)	March 24 – May 24	0.07	Vegetable	5.0	8000	12500	4500	1.56

c) Village Seed Production Programme (2023-24)

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	No. of farmers	Details of Production	
					Type of Produce	Expected Production(q)
Rice	Sahbhagi dhan	Kharif 23	05	20	Certified	150
Rice	Kalajeera	Kharif 23	03	20	TL	36
Ragi	GPU-28/ GPU 67	Kharif 23	02	06	Foundation	25
Groundnut	TG-51	Kharif 23	02	06	Certified	20
Wheat	DBW-187	Rabi 23	02	15	Certified/ TL	50
Mustard	PM-30	Rabi 23	02	05	Certified	20
		Total	**16**	**72**		**301**

5. Extension Activities

Sl. No.	Activities/ Sub activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	30	400	350	750	85	20	10	30	420	360	780
2.	Kisan Mela	02	400	200	600	80	08	02	10	408	202	610
3.	Kisan Ghosthi	24	320	400	720	80	20	04	24	340	404	744
4.	Exhibition	02	250	28	278	80	12	10	22	262	38	300
5.	Film Show	12	180	60	240	82	-	-	-	180	60	240
6.	Method Demonstrations	06	80	40	120	80	06	00	06	86	40	126
7.	Farmers Seminar	01	60	40	100	85	02	01	03	62	41	103
8.	Block level Workshop (Kharif & Rabi)	12	250	110	360	70	24	05	29	274	115	389
9.	FPO Group Meetings	06	100	80	180	85	06	02	08	106	82	188
10.	Advisory Services	120	850	350	1200	80	--	--	--	850	350	1200
11.	Scientific Visit To Farmers Field	120	1000	200	1200	85	--	--	--	1000	200	1200
12.	Farmers Visit to KVK	240	700	500	1200	80	--	--	--	700	500	1200
13.	Diagnostic Visits	14	300	120	420	95	05	--	05	305	120	425
14.	Exposure Visits	01	10	10	20	95	--	--	--	10	10	20
15.	Ex-Trainees Sammelan	02	60	40	100	92	02	--	02	60	42	102
16.	Soil Health Camp	05	126	100	226	90	--	--	--	126	100	226
17.	Animal Health Camp	06	100	80	180	80	02	--	02	102	80	182
18.	Farmers School Members Meet (with ATMA)	12	300	80	380	90	06	02	08	306	82	388
19.	Mahila Mandals Conveners meetings	05	--	180	180	85	--	02	02	--	182	182
20.	Millets Awareness Programme	12	200	160	360	80	5	3	8	205	163	368
21.	Natural Farming Awareness Programme	12	250	110	360	90	5	--	05	255	110	365
	Celebration of important days (specify)											
22.	Swatchta Action Plan Programme (Abhiyan)	12	200	40	240	90	02	--	02	202	40	242
23.	Mahila Kisan Diwas	01	10	180	190	85	--	02	02	10	182	192
	Any Other (Specify)											
24.	Clinic Service	12	200	40	240	80	--	--	--	200	40	240
25.	Vaccination Camp	12	100	20	120	85	--	--	--	100	20	120
26.	Self Help Group Conveners Meeting	04	--	80	80	90	--	--	--	--	80	80

Sl. No.	Activities/ Sub activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
27.	Knowledge upgradation in village level school	10	200	100	300	85	-	-	-	200	100	300
28.	Mobile helpline	300	500	80	580	85	--					
29.	SMS alert	12			291324							291324/ 24277
30.	Technology week	01	700	300	960	80						
31.	Seed treatment campaign	02	60	40	100	80	05	03	08	65	43	108
32.	National Yuva Diwas (12 jan)	01	50	-	50	85	--	--	--	50	--	50
33.	Subash Chandra Bose Jayanti (23rd Jan)	01	25	25	50	90	--	--	--	25	25	50
34.	Republic day (26th January)	01	100	40	140	90	10	05	15	110	15	155
35.	National Science Day (28 feb)	01	50	50	100	90	--	05	10	55	55	110
36.	World Forestry Day (21 march)	01	50	50	100	90	05	05	10	55	55	110
37.	International Women's Day (8 march)	01	05	100	105	90	--	10	10	05	115	120
38.	World water day (22 march)	01	30	20	50	95	05	05	10	35	25	60
39.	World veterinary day (25 april)	01	80	20	100	95	03	02	05	83	23	106
40.	World environment day (5 june)	01	25	20	45	90	80	105	02	02	04	27
41.	ICAR foundation day (16th July)	01	50	45	95	85	02	02	04	52	49	99
42.	World Aadiwasi Diwas (9 Aug)	01	40	57	97	95	05	05	10	45	62	107
43.	Independence day (15th August)	01	100	45	145	85	05	05	10	105	50	155
44.	Parthenium Awareness week (16-22 Aug)	01	230	65	295	90	05	05	10	235	70	305
45.	Nutrition week (1-7 sep)	01	120	175	295	85	05	05	10	125	180	310
46.	World animal Welfare Day (4 oct)	01	60	40	100	90	05	05	10	65	45	110
47.	Mahila Kisan Diwas (15 oct)	01	10	100	110	90	--	10	10	10	120	130
48.	World Food Day (16 Oct)	01	70	30	100	85	05	02	07	75	32	107
49.	World Soil Day (5 Dec)	01	100	90	190	87	05	02	107	105	92	197
50.	Jai Jawan Jai Kisan Jai Vigyan Jai Anusandhan Diwasn (23 Dec)	01	120	77	197	90	05	02	07	125	79	204
51.	Krishi Siksha Diwas (3 Dec)	01	100	100	200	85	05	05	10	110	110	220
52.	World Pulses Day (10 Feb)	01	50	20	70	85	02	02	04	52	22	74
53.	National Milk Day (26 Nov)	01	50	20	70	85	02	02	04	52	22	74

OFT- 01

(Agronomy)

(Approved on 1-3/09/22 OFT Workshop at BAU, Sabour-1st year)

i.	**Season**	**:**	Kharif 2023
ii.	**Title of the OFT**	**:**	**Evaluation of Rice based cropping system in medium land for productivity and profitability in Gumla**
iii.	**Problem diagnosed**	**:**	Low return in existing cropping system i'e Rice-Wheat
iv.	**Important Cause**	**:**	Limited irrigation resources
v.	**Micro farming system**	**:**	Rice-Wheat
vi.	**Technology for Testing**	**:**	Diversification in Rice based cropping system
vii.	**Existing Practice**	**:**	Rice-Wheat/Fallow
viii.	**Hypothesis**	**:**	Suitable diversification practices in rice based cropping system may enhance the total production and income
ix.	**Objective(s)**	**:**	To assess the different rice based cropping system for maximum total production and income
x.	**Farming situation**	**:**	Irrigated
xi.	**Details of technology selected for assessment/refinement**	**:**	FP : Rice-Wheat
		:	TO_1: Rice-Maize + Potato
		:	TO_2: Rice-Maize + Vegetable Pea
			TO_3: Rice-Wheat + Green Gram
xii.	**Critical Inputs**	**:**	Seed
xiii.	**Source of Technology**	**:**	BAU Ranchi
xiv.	**Design**	**:**	RBD
xv.	**Replications**	**:**	10
xvi.	**Net plot size**	**:**	1200 m^2
xvii.	**Unit Cost**	**:**	Rs. 2282.00
xviii.	**Total Cost**	**:**	Rs. 22825.00
xix.	**Production system and Thematic area**	**:**	Rice based production system and ICM
xx.	**Performance of technology with performance indicator**	**:**	➢ Grain yield (q/ha) ➢ Rice equivalent yield (q/ha) ➢ Total grain yield (q/ha) ➢ Duration of crops (days) ➢ System production (Rs/ha) ➢ B:C ratio

OFT- 02
(Agronomy-New Proposed)

i.	**Season**	**:**	Kharif 2023
ii.	**Title of the OFT**	**:**	**Evaluation of High yielding Ragi varieties for Gumla district**
iii.	**Problem diagnosed**	**:**	Low yield (7-8 q/ha)
iv.	**Important Cause**	**:**	Unavailability of high yielding improved varieties
v.	**Micro farming system**	**:**	Ragi-Fallow
vi.	**Technology for Testing**	**:**	Variety
vii.	**Existing Practice**	**:**	Variety used A-404
viii.	**Hypothesis**	**:**	High yielding improved varieties may enhance the yield and income.
ix.	**Objective(s)**	**:**	To evaluate the suitable high yielding variety for Gumla district.
x.	**Farming situation**	**:**	Rainfed
xi.	**Details of technology selected for assessment/refinement**	**:**	FP : Variety used A-404 TO_1: ML -365 TO_2: GPU-28/ BM-3 TO_3: GPU-67
xii.	**Critical Inputs**	**:**	Seed Variety & Fertilizer
xiii.	**Source of Technology**	**:**	TNAU
xiv.	**Design**	**:**	RBD
xv.	**Replications**	**:**	10
xvi.	**Net plot size**	**:**	1000 m^2
xvii.	**Unit Cost**	**:**	Rs. 342.00
xviii.	**Total Cost**	**:**	Rs. 3420.00
xix.	**Production system and Thematic area**	**:**	Rice based production system and ICM
xx.	**Performance of technology with performance indicator**	**:**	➢ Plant height (in cm) ➢ No of tiller /plant ➢ Days of maturity ➢ Grain yield (q/ha) ➢ B:C ratio

OFT- 03

(Soil Science)

(Approved on 01-03/09/22 at BAU Sabour-1st year)

i.	**Season**	:	**Kharif 2023-24**
ii.	**Title of OFT**	:	**Improvement of Nitrogen use efficiency in rice.**
iii.	**Problem diagnose**	:	Excessive use of chemical fertilizers and spiraling price of urea leads to increase in cost of cultivation.
iv.	**Important Cause**	:	Excessive use of granular urea.
v.	**Micro farming system**	:	Rice-Fallow
vi.	**Technology for Testing**	:	Nano urea
vii.	**Existing Practice**	:	Excessive use of chemical fertilizers with granular urea.
viii.	**Hypothesis**	:	Nano urea application may enhance nitrogen use efficiency and profitability.
ix.	**Objective**	:	To find out effective approaches of enhance nitrogen use efficiency and enhance the rice productivity.
x.	**Farming situation**	:	Rainfed
xi.	**Details of technology selected for assessment/refinement**	:	**FP :** RDF (100:40:20)kg/ha. **TO_1:** 50% of RDN & 100% PK + Nano urea @ 4 ml/Lt. water (Single spray of pre flowering stage) **TO_2 :** 50% of RDN & 100% PK + 2 sprays of Nano urea at (25 to 30 days) and (60-65 days) 4 ml/Lt. water.
xii.	**Critical input**	:	1. Paddy seed 2. Nano urea 3. DAP 4. MOP 5. Urea
xiii.	**Source of technology**	:	BAU Sabour / BAU Ranchi
xiv.	**Deign**	:	RBD
xv.	**Replication**	:	10
xvi.	**Plot size**	:	10x10m^2 (in each technological option)
xvii.	**Each farmer plot size**	:	300 m^2
xviii.	**Net plot size**	:	3000 m^2
xix.	**Unit cost**	:	Rs. 1240.00
xx.	**Total Cost**	:	Rs.12400.00
xxi.	**Production system and thematic area**	:	Rice based production system & INM
xxii.	**Performance of technology with performance indicator**		➢ Soil fertility (Before & after, pH, EC, OC, NPK) ➢ No. of effective tiller/m^2 ➢ 1000 grain weight (g.) ➢ Panicle weight (g.) ➢ Grain and Straw Yield/ha ➢ Economics

OFT - 04

(Soil Science)

(Approved on 01-03/09/22 at BAU Sabour-2nd year)

i.	**Season**	:	**Rabi 2023-24**
ii.	**Title of OFT**	:	**Evaluation of organic cultivation package in cauliflower.**
iii.	**Problem diagnose**	:	Excessive use pesticides in cauliflower.
iv.	**Important cause**	:	Excessive use pesticides.
v.	**Micro farming system**	:	Maize/Black gram – Mustard/vegetable
vi.	**Technology for testing**	:	Organic cultivation package.
vii.	**Existing practices**	:	Chemical based cultivation
viii.	**Hypothesis**	:	Organic cultivation package may enhance the profitability.
ix.	**Objective**	:	To fiend out the effective approaches of organic cultivation & package.
x.	**Farming situation**	:	Irrigated
xi.	**Details of technology selected for assessment/refinement**	:	FP : Application of 5 MT FYM/ha. + 32 kg N +23 kg P_2O_5 +15 kg K_2O/ha through inorganic source. TO : Application of 5 MT FYM/ha. +25% of RDF (NPK) through organic source. TO_2 : Seed and seedling treatment with Beejamrit + 3 Spray of Jeevamrit at 21 days interval + application Ghanjeevamrit @ 1q./ha as basal application and 30DAS. * Calculation of RDF on the basis of N only. * 25%RDF with be applied through karanj cake and vermicompost.
xii.	**Critical input**	:	Seed, DAP, Urea, MOP, Karanj cake, Vermicompost, Beejamrit, Jeevamrit and Ghanjeevamrit.
xiii.	**Source of technology**	:	RKM KVK Ranchi & National center on organic farming, Gaziabad.
xiv.	**Design**	:	RBD
xv.	**Replication**	:	10
xvi.	**Net plot size**	:	4000 m^2
xvii.	**Unit cost (critical input)**	:	Rs. 2200/-
xviii.	**Total critical input cost**	:	Rs. 22000/-
xix.	**Production system and thematic area**	:	Maize/Black gram based production system and organic cultivation
xx.	**Performance of technology with performance indicator**	:	➢ Soil fertility (Before and after) ➢ Curd diameter (cm) ➢ Curd weight (g) ➢ Curd yield q/ha. ➢ B:C ratio

OFT- 05
(Horticulture)

(Approved on 01/12/22-2nd year)

i.	**Season**	**:**	Kharif (2023-24)
ii.	**Title of the OFT**	**:**	**Assessment of Biomass mulching in Mango**
iii.	**Problem diagnosed**	**:**	Moisture stress leads yield losses in mnago.
iv.	**Important Cause**	**:**	Lack of suitable moisture
v.	**Micro farming system**	**:**	Mango plantation
vi.	**Technology for Testing**	**:**	Mulching practices
vii.	**Existing Practice**	**:**	No mulching / litter fall of trees
viii.	**Hypothesis**	**:**	Bio mulching practices may enhance the yield
ix.	**Objective(s)**	**:**	To enhance production and productivity through biomass mulching
x.	**Farming situation**	**:**	Rainfed
xi.	**Details of technology selected for assessment/refinement**	**:**	FP : Chemical pesticides
		:	TO_1: No mulching/ Litter fall of tree
		:	TO_2: Grass/ Paddy straw/ Any local available mulching 15 cm thick (Plant spread) + Greece band 30 cm from GL
xii.	**Critical Inputs**	**:**	Taphrosia seed, Greece
xiii.	**Source of Technology**	**:**	ICAR-FSRCHPR-Plandu, Ranchi
xiv.	**Design**	**:**	RBD
xv.	**Replications**	**:**	10
xvi.	**Net plot size**	**:**	750 m^2 (no. of plant -30)
xvii.	**Unit Cost**	**:**	Rs. 950.00
xviii.	**Total Cost**	**:**	Rs. 9500.00
xix.	**Production system and Thematic area**	**:**	Mango Production system and Mulching
xx.	**Performance of technology with performance indicator**	**:**	➢ Soil moisture (%) ➢ Weed count at 3-4 internment stage at one month interval ➢ NPK status (Pre and post) ➢ Yield (q/ha) ➢ Economics (Rs./ha)

OFT- 06
(Horticulture)

(Approved on 01/12/22 -2nd Year)

i.	**Season**	**:**	Rabi (2023-24)
ii.	**Title of the OFT**	**:**	**Assessment of Microbial Consortia against wilting in solanaceous crop (Brinjal)**
iii.	**Problem diagnosed**	**:**	Wilting of brinjal is one of the major peoblem in Gumla district causes severe loss in brinjal production.
iv.	**Important Cause**	**:**	May be of bacteria and virus infection
v.	**Micro farming system**	**:**	Rice-Vegetable
vi.	**Technology for Testing**	**:**	IIHR Consortia (Arka Microbial consortia) andd NRC litchi *Trichoderma*
vii.	**Existing Practice**	**:**	Use of chemical pesticides to control wilting in brinjal
viii.	**Hypothesis**	**:**	Transplanting brinjal seedlings along with consortic and trichoderma culture may control the wilting problem.
ix.	**Objective(s)**	**:**	To find out the suitable technology against wilting of brinjal
x.	**Farming situation**	**:**	Rainfed
xi.	**Details of technology selected for assessment/refinement**	**:**	FP : Chemical pesticides
		:	TO_1: IIHR (Arka Microbial consortia) as a soil application at the time of transplanting
		:	TO_2: NRC litchi *Trichoderma* as a soil application at the time of transplanting
xii.	**Critical Inputs**	**:**	Seed, Microbial consortia, *Trichoderma*
xiii.	**Source of Technology**	**:**	NRC Litchi Muzaffarpur
xiv.	**Design**	**:**	RBD
xv.	**Replications**	**:**	10
xvi.	**Net plot size**	**:**	1125 m^2
xvii.	**Unit Cost**	**:**	Rs. 700.00
xviii.	**Total Cost**	**:**	Rs. 7000.00
xix.	**Production system and Thematic area**	**:**	Vegetable based production system, IDM
xx.	**Performance of technology with performance indicator**	**:**	➢ Initial plant population ➢ First wilting incidence (days after transplanting) ➢ Wilting percentage at 15, 30, 45, 60 & 75 days after transplanting ➢ Yield (q/ha) ➢ Economics (Rs./ha)

OFT- 07

(Plant Protection)

(Approved on 29-30/09/22-2nd year)

i.	**Season**	:	**Kharif (2023-24)**
ii.	**Title of OFT**	:	**Assessment of bio-intensive management practices for major pest in Tomato.**
iii.	**Problem diagnose**	:	Tomato yield decrease due to *Helicoverpa armigera*
iv.	**Important Cause**	:	Lack of suitable crop protective measure
v.	**Micro farming system**	:	Maize/ Blackgram/ Redgram-Mustard/Wheat
vi.	**Technology for Testing**	:	Suitable bio pesticides combination for cost effective production
vii.	**Existing Practice**	:	Application of Agromycine
viii.	**Hypothesis**	:	Use of bio inputs and schedule may enhance yield
ix.	**Objective**	:	To enhance production and productivity of Tomato through IPM
x.	**Farming situation**	:	Rainfed
xi.	**Details of technology selected for assessment/refinement**	:	**FP :** Farmers practice (Application of *Agromycine*) **TO_1:** i. Application of Bio-consortia of IIHR (Soil application) ii. Seed treatment by *P.fluorescens* @ 10gm/kg iii. Nursery bed treatment by *P.fluorescens* @ 20gm/m^2 iv. Soil application by *P.fluorescens* @ 05kg/ha mixed with 500 kg vermin compost/ha at 30 days after transplanting. v. Spray of HNPV @ 250LE/ha **TO_2 :** i. Application of Bio-consortia of IIHR(Soil application) ii. Seed treatment by *P.fluorescens* @ 10gm/kg iii. Nursery bed treatment by *P.fluorescens* @ 50gm/m^2 iv. Soil application by *P.fluorescens* @ 05kg/ha mixed with 500 kg vermin compost/ha at 30 days after transplanting. v. Spray of HNPV @ 250LE/ha
xii.	**Critical input**	:	Bio-Pesticide
xiii.	**Source of technology**	:	BAU Sabour
xiv.	**Deign**	:	RBD
xv.	**Replication**	:	10
xvi.	**Net plot size**	:	3000 sq. m.
xvii.	**Unit cost**	:	Rs. 1200.00
xviii.	**Total Cost**	:	Rs. 12000.00
xix.	**Production system and thematic area**	:	Rice based production system & IPM
xx.	**Performance of technology with performance indicator**		➢ No. of plant/ damaged ➢ No. of larvae/plants ➢ Damaged fruits (%) ➢ Yield /ha ➢ B:C

OFT- 08

(Plant Protection)

(Approved on 01/12/22-2nd year)

i.	**Season**	:	**Rabi (2023-24)**
ii.	**Title of OFT**	:	**Assessment of management practices for Red banded caterpillar in Mango**
iii.	**Problem diagnose**	:	Yield loss due to Red banded caterpillar
iv.	**Important Cause**	:	Lack of pesticide doses & schedules
v.	**Micro farming system**	:	Mango Orchard
vi.	**Technology for Testing**	:	Suitable Pesticide for cost effective production & pest control
vii.	**Existing Practice**	:	Use of Imidacloprid @ 1 gm/ 3 liter of water
viii.	**Hypothesis**	:	Use of perfect dose & schedule may enhance yield
ix.	**Objective**	:	To increase production & productivity through IPM
x.	**Farming situation**	:	Rainfed
xi.	**Details of technology selected for assessment/refinement**	:	**FP :** Use of Imidacloprid @ 1 gm/ 3 liter of water **TO_1 :** i. Collection & destruction of all fallen fruits. ii. Spray of Deltamethrin 0.0028% (Deltamethrin 2.8EC@1ml/lit) at marble size and repeat after two week. **TO_2 :** Two spray of Thiacloprid 21.7SC 0.04% (Thiacloprid 21.7SC @ 2ml/lit) at 25-30 days interval.
xii.	**Critical input**	:	Pesticides
xiii.	**Source of technology**	:	BAU Sabour (Bihar)
xiv.	**Deign**	:	RBD
xv.	**Replication**	:	10
xvi.	**Net plot size**	:	90 Plants
xvii.	**Unit cost**	:	Rs. 500.00
xviii.	**Total Cost**	:	Rs. 5000.00
xix.	**Production system and thematic area**	:	Rice based production system and IPM
xx.	**Performance of technology with performance indicator**		➢ Fruit damage % ➢ Yield loss % ➢ No. of fruits /tree ➢ Yield (Q/ha) ➢ B:C ratio

OFT – 09
(Agriculture Engineering-New proposed)

i.	**Season**	**Kharif 2023**
ii.	**Title of OFT**	**To assess the performance of different type of cost effective spray methods in transplanted rice**
iii.	**Problem diagnose**	Conventional spray method of paddy resulted high cost of cultivation
iv.	**Important Cause**	High cost of labor and ferlilizer loses for spray
v.	**Micro farming system**	Rice-Wheat
vi.	**Technology for Testing**	Different types of spray machine
vii.	**Existing Practice**	Knapsack Spray Machine
viii.	**Hypothesis**	Knapsack Spray Machine contributing high cost of labor, ferlilizer & water loses
ix.	**Objective**	To find out the cost effective spray method
x.	**Farming situation**	Rainfed
xi.	**Details of technology selected for assessment/refinement**	FP : Knapsack Spray Machine TO_1: Power Spray Machine TO_2 : Agriculture Drone
xii.	**Critical input**	Rice seed variety Sahbhagi and Agriculture Drone hire charge
xiii.	**Source of technology**	PAU, Punjab
xiv.	**Deign**	RBD
xv.	**Replication**	10
xvi.	**Net plot size**	1200 sq. m.
xvii.	**Unit cost**	Rs. 700.00
xviii.	**Total Cost**	Rs. 7000.00
xix.	**Production system and thematic area**	Crop based production system and Farm Mechanization
xx.	**Performance of technology with performance indicator**	➢ No. of grain/ panicle ➢ Plant height (cm) ➢ No. of effective tiller /m^2 ➢ Yield (q/ha) ➢ B:C

OFT – 10

(Agriculture Engineering)

(Approved on 13/09/22 at OFT Workshop held at DrRCPU Pusa-2nd Year

i.	**Season**	**Rabi 2023-24**
ii.	**Title of OFT**	**Assessment of different methods irrigation on productivity of tomato in medium land.**
iii.	**Problem diagnose**	More no. of irrigation and bed making resulted high cost of cultivation
iv.	**Important Cause**	Shortage of irrigation water
v.	**Micro farming system**	Rice - Fallow
vi.	**Technology for Testing**	Drip irrigation with plastic mulching
vii.	**Existing Practice**	Ridge furrow
viii.	**Hypothesis**	Water saving technology (Drip) may reduce the cost of production
ix.	**Objective**	To find out the suitable water saving method
x.	**Farming situation**	Irrigated
xi.	**Details of technology selected for assessment/refinement**	FP : Furrow/bed irrigation TO_1: Drip irrigation with Crop Residue mulch TO_2 : Drip irrigation with plastic mulching
xii.	**Critical input**	Tomato seed and Plastic mulching sheet
xiii.	**Source of technology**	RPCAU, Pusa
xiv.	**Deign**	RBD
xv.	**Replication**	10
xvi.	**Net plot size**	1200 sq. m.
xvii.	**Unit cost**	Rs. 400.00
xviii.	**Total Cost**	Rs.4000.00
xix.	**Production system and thematic area**	Vegetable based production system and Water management
xx.	**Performance of technology with performance indicator**	➢ No. of irrigation ➢ Number of fruits per plant (gms) ➢ Number of fruits weight per plant (gms) ➢ Yield (Q/ha) ➢ B:C

OFT- 11

(Home Science)

i.	**Season**	**Kharif 2023**
ii.	**Title of OFT**	Assessment of preparation methods of ripe jack fruit papad (bar)
iii.	**Problem diagnose**	i. Distress sale of jackfruit due to surplus production during peak time. ii. Unawareness about value added products of jackfruit.
iv.	**Important Cause**	Market knowledge gap
v.	**Farming situation**	Rainfed
vi.	**Micro Farming System**	Rice based farming system
vii.	**Technology for testing**	Preservation method
viii.	**Existing Practices**	No value addition
ix.	**Hypothesis**	Value addition in jackfruit may enhances self life and income
x.	**Objective**	To prepare nutritious value added products from locally available jackfruit.
xi.	**Details of technology selected for assessment/refinement**	**FP-** Local people consume ripe jackfruit as such. **TO_1** – Jackfruit pulp (1 kg) + Sugar (100 gm) + Citric acid (5 gm) + Sodium benzoate (1 gm) **TO_2** – Jackfruit pulp (500 gm) + Mango pulp (500 gm) + Sugar (100 gm) + Citric acid (5 gm) + Sodium benzoate (1 gm)
xii.	**Critical input**	Preservation material
xiii.	**Source of technology**	DRPCAU, Pusa Samastipur
xiv.	**Unit size**	30 respondents
xv.	**Total cost**	Rs. 8000.00
xvi.	**Production system and thematic area**	Value Addition of Jackfruit
xvii.	**Performance of technology with performance indicator**	i. Sensory analysis (Taste, Texture, Colour, Flavour, Overall acceptability) ii. Shelf life at 15, 30, 45, 60 & 75 days iii. B:C ratio

OFT- 12

(Home Science)

i.	**Season**	**Rabi**
ii.	**Title of OFT**	**Effect of different treatment methods preparation of oyster mushroom powder to enhance the shelf-life.**
iii.	**Problem diagnose**	Spoilage of mushroom due to poor shelf life.
iv.	**Important Cause**	
v.	**Farming situation**	Rainfed
vi.	**Micro Farming System**	Rice based farming system
vii.	**Technology for testing**	Preservation method
viii.	**Existing Practices**	No value addition
ix.	**Hypothesis**	
x.	**Objective**	To increase the shelf-life of mushroom.
xi.	**Details of technology selected for assessment/refinement**	**FP** Drying & Powdering of mushroom without any treatment. **TO_1** Drying & Powdering of mushroom by pre-treating with 0.5% citric acid. **TO_2** Drying & Powdering of mushroom by pre-treating with 0.5% KMS **TO_3** Drying & Powdering of mushroom by pre-treating with 1% KMS
xii.	**Critical input**	
xiii.	**Source of technology**	RAU, Pusa
xiv.	**No. of respondents**	30
xv.	**Total Cost**	Rs. 8000/-
xvi.	**Production system and thematic area**	Value addition of Mushroom.
xvii.	**Performance of technology with performance indicator**	**Technical Indicator :** ➢ Organoleptic evaluation • Taste • Clour • Shelf-life • Acceptabilaty **Economic Indicator:** ➢ Benefit Cost Ratio

OFT- 13

(Home Science)

i.	**Season**	**Rabi 2023**
ii.	**Title of OFT**	Assessment of preparation methods of Ragi papad
iii.	**Problem diagnose**	i. Unawareness about nutritional importance of Ragi ii. Low intake of ragi in regular dietry system because of lack of knowledge about its value added products.
iv.	**Important Cause**	Unawareness about nutritional value added products of ragi
v.	**Farming situation**	Rainfed
vi.	**Micro Farming System**	Rice based farming system
vii.	**Technology for testing**	Preservation method
viii.	**Existing Practices**	Ragi is taken in the form of chapatti only
ix.	**Hypothesis**	Value addition of ragi may increase its intake in regular diet
x.	**Objective**	To prepare nutritious value added products of ragi
xi.	**Details of technology selected for assessment/refinement**	**FP**- Local people take ragi in the form of chapatti only **TO_1** – Ragi flour (200 gm) + Blackgram flour (200 gm) + Salt (15 gm) + Papad khar (15 gm) + Black pepper (10 gm) + Oil (15 ml)+ Asafoetida (1 gm)
xii.	**Critical input**	
xiii.	**Source of technology**	BAU Ranchi
xiv.	**Unit size**	30 respondents
xv.	**Total cost**	Rs. 5000.00
xvi.	**Production system and thematic area**	Value Addition of Ragi
xvii.	**Performance of technology with performance indicator**	i. Sensory analysis 9Taste, Texture, Colour, Flavour, Overall acceptability) ii. Shelf life at 30, 60 & 90 days iii. B:C ratio

OFT- 14

(Animal Husbandry)

i.	**Season**	**Kharif/ Rabi**
ii.	**Title of OFT**	**Evaluation of concentrate and urea treated wheat straw supplement on milk yield of cow**
iii.	**Problem diagnose**	Poor feed management leads to lower mikl production
iv.	**Important Cause**	Poor feed management
v.	**Farming situation**	Agriculture + Animal Husbandry + Horticulture
vi.	**Micro Farming System**	Cattle + Goat + Poultry + Pig
vii.	**Technology for testing**	Evaluation of concentrate and urea treated wheat straw
viii.	**Existing Practices**	Only grazing
ix.	**Hypothesis**	Proper feed management may enhance the productivity of milk in local cow.
x.	**Objective**	To evaluate the effect of feed supplementation on milk yield of local cow.
xi.	**Details of technology selected for assessment/refinement**	**FP**- Grazing (Free grazing) **TO_1** – FP + Urea treated wheat straw for 30 days **TO_2** – FP + Concentrate @ 50 gm /liter of milk production/day for 30 days
xii.	**Critical input**	
xiii.	**Source of technology**	BAU Ranchi
xiv.	**Design**	RBD
xv.	**Replication**	10
xvi.	**Unit size**	
xvii.	**Unit cost**	Rs.
xviii.	**Total cost**	Rs.
xix.	**Production system and thematic area**	Mixed crop – Livestock production system
xx.	**Performance of technology with performance indicator**	• Body weight gain (in kg) • Milk productivity enhancement (in %) • B:C ratio

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project
1.	AICRP Niger FLD & Trial
2.	NICRA
3.	ARYA
4.	ASCI
5.	Nutri-Sensitive Agricultural Resources and Innovation (NARI)
6.	Gramin Krishi Mausam Sewa (GKMS)
7.	Farmer Producer Organization (FPO)

11. No. of success stories proposed to be developed with their tentative titles

SN	Title	Date
1	Lac cultivation become the boon of Nagar village farmers	September 23
2	Bee keeping Changing the life farmers	October 23
3	Empowering women through Mushroom cultivation	November 23
4	Promotion of mustard cultivation become the boon among tribal farmer	December 23

12. Scientific Advisory Committee

Date of SAC meeting held during 2022-23	Proposed date during 2023-24
09/09/2022	09/08/2023

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC to be distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	600	12	01	375	82	107	23	494	106	600	67	3000
Water Samples	20	-	-	06	02	10	02	16	04	20	04	
Total	**1220**	**12**	**01**	**381**	**84**	**117**	**25**	**510**	**110**	**620**	**71**	

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