

# KRISHI VIGYAN KENDRA, ROHTAS, BIKRAMGANJ

## ACTION PLAN 2023

### 1. Name of the KVK: Krishi Vigyan Kendra, Rohtas, Bikramganj

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Krishi Vigyan Kendra, Ara Road, Bikramganj, Rohtas PIN-802212	06185	222800	rohtaskvk@gmail.com www.rohtas.kvk4.in

### 2. Name of host organization :

Address	Telephone		E-mail /Website
	Office	FAX	
Bihar Agricultural University, Sabour, Bhagalpur- 813210	0641-2452611	0641-2452604	<a href="mailto:deebausabour@gmail.com">deebausabour@gmail.com</a> www.bausabour.ac.in

### 3. Training programme to be organized (January 2023 to December 2023)

Q-I (Jan-Mar 2023), Q-II (Apr-Jun 2023), Q-III (Jul-Sep 2023) and Q-IV (Oct-Dec 2023)

#### (a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/ Off	Tentative QTR	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
<b>I. Crop production</b>														
Nursery management	Nursery Management and raising of Rice seedling	4	1	1 On 3 Off	Q-II	3	2	1	1	25	5	29	8	37
ICM	Different agronomical practices for paddy cultivation	2	1	On	Q-II	3	1	1	0	20	0	24	1	25
	SRI technology in paddy	2	1	1 On 1 Off	Q-II	4	2	0	0	17	2	21	4	25
	suitable variety of rabi pulse &	3	1	Off	Q-II	3	1	1	0	19	1	23	2	25

	their scientific cultivation.													
<b>Weed Management</b>	Integrated weed management in Kharif crops	3	1	1 On 2 Off	Q-III	5	0	2	0	18	0	25	0	25
	Integrated weed management in Rabi crops	2	1	Off	Q-IV	4	1	2	0	17	1	23	2	25
<b>Water management</b>	Irrigation management in Paddy	2	1	Off	Q-III	3	1	1	0	20	0	24	1	25
	Irrigation management in Rabi summer crops	1	1	Off	Q-IV	3	2	1	1	17	2	21	4	25
<b>II. Plant Protection</b>														
<b>IPM</b>	IPM in summer vegetables	2	1	Off	Q-III	5	0	0	0	25	0	30	0	30
	Integrated Pest Management in Pulse	2	1	On	Q-IV	4	1	1	1	16	2	21	4	25
	Integrated Pest Management in Vegetables	2	1	On	Q-III	4	1	1	1	16	2	21	4	25
<b>IDM</b>	Integrated Disease Management in Rice	2	1	1 Off 1 On	Q-III	5	0	1	0	20	0	26	0	26
	Integrated Disease Management in Vegetables	2	1	Off	Q-IV	4	1	1	1	16	2	21	4	25
<b>Bio Control of Pests &amp; diseases</b>	Use of bio & Botanical Pesticides for management of pests & disease in vegetables	2	1	Off	Q-III	4	1	2	0	17	1	23	2	25
<b>Store grain pest management</b>	Store grain pest management	2	1	Off	Q-III	3	1	1	0	20	0	24	1	25

	for field crops													
<b>III. Soil science</b>														
<b>Soil and water testing</b>	Soil sampling – When, Why and how?	2	1	On	Q-III	4	1	2	0	17	1	23	2	25
<b>Nutrient management</b>	INM in paddy	2	1	Off	Q-II	5	0	1	0	20	0	26	0	26
	INM in Rabi crops	2	1	On	Q-IV	3	1	1	0	20	0	24	1	25
<b>Management of problematic soil</b>	Management of acidic and salt effected soil	1	1	Off	Q-III	4	1	2	0	17	1	23	2	25
	Fertilizer management in vegetable crops	2	1	1 On /1 Off	Q-IV	4	1	2	0	17	1	23	2	25
	Importance of green manuring on soil health.	2	1	1 On /1 Off	Q-II	4	1	2	0	17	1	23	2	25
	Vermi-composting	2	1	On	Q-I	3	1	1	0	20	0	24	1	25
<b>IV . Horticulture</b>														
<b>Nursery raising</b>	Nursery raising of Kharif vegetables	3	1	1 On /2 Off	Q-III	3	1	1	0	20	0	24	1	25
	Nursery raising in Rabi season vegetable	2	1	1 On /1 Off	Q-IV	4	1	2	0	17	1	23	2	25
	Production technology of winter vegetable	2	1	1 On /1 Off	Q-IV	4	1	1	1	16	2	21	4	25
<b>Layout and management of orchard</b>	Layout plan for mango orchard	2	1	1 On /1 Off	Q-III	5	0	1	0	20	0	26	0	26
	Management of mango orchard	2	1	1 On /1 Off	Q-III	5	0	1	0	20	0	26	0	26
	Layout & Management of guava orchard	2	1	1 On /1 Off	Q-II	5	0	1	0	20	0	26	0	26
<b>Plant propagation technology</b>	Plant propagation technologies in fruits crop	3	1	1 On /2 Off	Q-II	4	1	2	0	17	1	23	2	25

<b>Production of low volume and high value crop</b>	Improve production technology of Potato & onion .	3	1	1 On /2 Off	Q-IV	5	0	1	0	20	0	26	0	26
	Production technology of strawberry.	1	1	Off	Q-IV	4	1	1	1	16	2	21	4	25
	Improve technique for broccoli production	1	1	On	Q-IV	4	1	2	0	17	1	23	2	25
	Improve technique for capsicum production	1	1	On	Q-IV	4	1	1	1	16	2	21	4	25
	Exotic vegetable	1	1	On	Q-IV	4	1	2	0	17	1	23	2	25
<b>Training and pruning of fruit crop</b>	Training and pruning of mango orchard	1	1	Off	Q-III	5	0	1	0	20	0	26	0	26
	Training and pruning of guava orchard	1	2	1 On /1 Off	Q-I	5	0	1	0	20	0	26	0	26
<b>V. Agricultural Engineering</b>														
<b>Small scale processing and value addition</b>	Use of Potato peeler and slicer machine	1	2	1 On /1 Off	Q-IV	4	1	1	1	16	2	21	4	25
<b>Post harvest technology</b>	Use of Straw baler & straw reaper for crop residue management	1	2	1 On /1 Off	Q-II	5	0	1	0	20	0	26	0	26
<b>VI. Home science</b>														
<b>Drudgery reduction</b>	Introduction of various farm implements & equipments to reduce the drudgery of farm-women	1	1	On	Q-III & Q-IV	0	4	0	3	4	15	4	22	26
<b>VII. Fishery Science</b>														
<b>Biofloc fish farming</b>	Biofloc tank preperation	2	1	1 On /1 Off	Q-II	4	1	1	1	16	2	21	4	25

	Biofloc water management technique	2	1	1 On /1 Off	Q-III & Q-IV	5	0	1	0	20	0	26	0	26
	Biofloc production technique	2	1	1 On /1 Off	Q-I & Q-III	4	1	1	1	16	2	21	4	25
<b>Composite Fish Farming</b>	Pond management technique	3	1	1 On/2 Off	Q-II	2	4	2	3	4	12	8	19	27
<b>Integrated Fish Farming</b>	Fishery based IFS	2	1	1 On /1 Off	Q-II	5	0	1	0	20	0	26	0	26
<b>Composite Fish Farming</b>	Nursery pond management technique	2	1	1 On /1 Off	Q-III	4	1	1	1	16	2	21	4	25
<b>Fish Feed management technique</b>	Farm based feed formulation	2	1	1 On /1 Off	Q-IV	2	4	2	3	4	12	8	19	27
<b>Fish Feed management technique</b>	Fish feed management techniques	2	1	1 On /1 Off	Q-IV	2	4	2	3	4	12	8	19	27
<b>Total</b>		<b>87</b>				<b>174</b>	<b>48</b>	<b>56</b>	<b>24</b>	<b>767</b>	<b>91</b>	<b>997</b>	<b>162</b>	<b>1159</b>

**(b) Rural youths**

Thematic area	Title of Training	No .	Duration	Venue On /Off	Tentative QTR	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
<b>I. Crop Production</b>														
Seed Production	Seed production of Kharif	1	5	1 on 1 off	Q-II	4		1	1	16	2	21	4	25
<b>II. Plant protection</b>														
Production of Bio control against and bio-pesticides	Production of Bio-control agents and bio-pesticides	0	0	0	Q-I	0		0	0	0	0	0	0	0
<b>III. Soil science</b>														
Production of organic inputs	Importance of Vermicompost and Vermiwash	1	5	1 On /1 Off	Q-II	4		2	0	17	1	23	2	25
	Principle and procedure of vermicomposting	1	5	1 On /1 Off	Q-II	4		1	1	16	2	21	4	25
	Production of bio-fertilizer	1	0	0	0	0		0	0	0	0	0	0	0
<b>IV. Horticulture</b>														
	Grafting and Budding of mango, guava etc.	1	5	1 On /1 Off	Q-III	5	0	1	0	19	0	25	0	25
	Layering of Guava	1	5	1 On /1 Off	Q-III	5	0	1	0	19	0	25	0	25
Protected cultivation	cultivation of early cucurbits through poly-tunnel	1	5	On	Q-II	4	1	2	0	17	1	23	2	25

<b>Mushroom</b>	Mushroom production technique	1	5	3 on 1 off	Q-IV	1		1	3	4	12	6	19	25
<b>VI. Home science</b>														
<b>Drudgery reduction</b>	Introduction of various farm implements & equipments involved in agriculture to reduce the drudgery.	1	5	On	Q-II	0		0	3	4	15	4	21	25
<b>VII. Fishery Science</b>														
<b>Composite Fish Farming</b>	Freshwater Fish Culture	1	7	On	Q-I	4		1	1	16	2	21	4	25
	Composite Fish Farming	1	7	On	Q-II	4		1	1	16	2	21	4	25
<b>Fish Feed management</b>	Fish Feed production technique	1	7	On	Q-III	1		1	3	4	12	6	19	25
<b>Biofloc fish farming</b>	Profits in Commercial goat rearing	1	7	On	Q-I	1		1	3	4	12	6	19	25
	<b>Total</b>	<b>13</b>				<b>6</b>	<b>8</b>	<b>2</b>	<b>1</b>	<b>27</b>	<b>6</b>	<b>36</b>	<b>11</b>	<b>47</b>
						<b>4</b>		<b>2</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>5</b>

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Qtr	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
<b>I. Crop production</b>														
<b>ICM</b>	SRI in paddy	2	1	1On /1Off	Q-II	4	1	2	0	17	1	23	2	25
	Production technology of Kharif crops	4	1	Off	Q-III	4	1	1	1	16	2	21	4	25
	Production technology of Rabi crops	4	1	Off	Q-IV	4	1	1	1	16	2	21	4	25
	Production technology of red gram.	2	1	Off	Q-IV	4	1	2	0	17	1	23	2	25

<b>II. Plant protection</b>														
<b>IPM</b>	IPM in rice	1	1	Off	Q-III	4	1	1	1	16	2	21	4	25
	IPM in Rabi crop	1	1	Off	Q-IV	4	1	2	0	17	1	23	2	25
<b>III. Soil science</b>														
<b>Production of organic input</b>	Vermi-compost	1	1	Off	Q-II	4	1	1	1	16	2	21	4	25
<b>IV. Horticulture</b>														
<b>Protected cultivation</b>	Cultivation of early cucurbits through poly-tunnel	1	1	Off	Q-I	5	0	1	0	19	0	25	0	25
	Mulching in vegetable crops	1	1	Off	Q-II	4	1	2	0	17	1	23	2	25
<b>Rejuvenation of old orchards</b>	Rejuvenation of old mango and guava orchards	1	1	Off	Q-III	5	0	1	0	19	0	25	0	25
<b>V. Agricultural Engineering</b>														
<b>Small scale processing and value addition</b>	Use of Potato peeler and slicer machine	1	1	Off	Q-IV	4	1	2	0	17	1	23	2	25
<b>PHT</b>	Use of Straw reaper & Straw baler	1	1	Off	Q-IV	5	0	1	0	19	0	25	0	25
<b>VI. Home science</b>														
<b>Drudgery reduction</b>	Introduction of farm implements & equipments involved in agriculture to reduce the drudgery.	1	1	On	Q-III	0	3	0	3	4	15	4	21	25
<b>VII. Fishery Science</b>														
<b>Composite fish culture</b>	Feed management techniques	3	1	2 On / 1Off	Q-I	4	1	2	0	17	1	23	2	25
	Fish health management	2	1	1On /1Off	Q-III	4	1	1	1	16	2	21	4	25
<b>Advanced fish farming technology</b>	Bio-flock fish farming	1	1	Off	Q-IV	5	0	1	0	19	0	25	0	25
	<b>Total</b>	<b>27</b>				<b>64</b>	<b>14</b>	<b>21</b>	<b>8</b>	<b>262</b>	<b>31</b>	<b>347</b>	<b>53</b>	<b>400</b>





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

### (a) 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
<b>I. Crop Production</b>													
Weed Management	4	170	5	180	45	5	50	20	0	20	235	10	245
Resource Conservation Technologies	1	17	1	18	4	2	6	1	0	1	22	3	25
Cropping Systems	5	100	20	120	12	8	20	4	4	8	124	32	156
Crop Diversification	2	40	5	45	8	2	10	5	0	5	53	7	60
Integrated Farming	1	17	1	18	4	2	6	1	0	1	22	3	25
Water management	3	51	3	54	12	3	15	6	0	6	69	18	87
Seed production	3	48	6	54	12	3	15	3	3	6	63	12	75
Nursery management	4	95	20	120	12	8	20	4	4	8	124	32	156
Integrated Crop Management	3	48	6	54	12	3	15	3	3	6	63	12	75
Fodder production													
Production of organic inputs													
Others, (cultivation of crops )	<b>28</b>	<b>586</b>	<b>67</b>	<b>663</b>	<b>121</b>	<b>36</b>	<b>157</b>	<b>47</b>	<b>14</b>	<b>61</b>	<b>780</b>	<b>129</b>	<b>899</b>
<b>TOTAL</b>													
<b>II. Horticulture</b>													
<b>a) Vegetable Crops</b>													
Integrated nutrient management	1	17	1	18	4	2	6	1	0	1	22	3	25
Water management													
Enterprise development													
Skill development	1	20	1	21	4	2	6	2	1	3	25	5	25
Yield increment													
Production of low volume and high value crops	3	48	6	54	12	3	15	3	3	6	63	12	75
Off-season vegetables	3	51	3	54	12	3	15	6	0	6	69	18	87
Nursery raising	1	20	0	20	5	0	5	0	0	0	25	0	25
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
<b>TOTAL</b>	<b>9</b>	<b>156</b>	<b>11</b>	<b>167</b>	<b>37</b>	<b>10</b>	<b>47</b>	<b>12</b>	<b>4</b>	<b>16</b>	<b>204</b>	<b>38</b>	<b>237</b>
<b>b) Fruits</b>													
Training and Pruning	3	60	0	60	15	0	15	3	0	3	78	0	78
Layout and Management of	3	51	3	54	12	3	15	6	0	6	69	18	87

Orchards													
Cultivation of Fruit	3	60	0	60	15	0	15	3	0	3	78	0	78
Management of young plants/orchards													
Rejuvenation of old orchards	2	40	5	45	8	2	10	5	0	5	53	7	60
Export potential fruits													
Micro irrigation systems of orchards	2	40	5	45	8	2	10	5	0	5	53	7	60
Plant propagation techniques	3	51	3	54	12	3	15	6	0	6	69	18	87
Others, if any(INM)													
<b>TOTAL</b>	<b>16</b>	<b>302</b>	<b>16</b>	<b>318</b>	<b>70</b>	<b>10</b>	<b>80</b>	<b>28</b>	<b>0</b>	<b>28</b>	<b>400</b>	<b>50</b>	<b>450</b>
<b>c) Ornamental Plants</b>													
Nursery Management	2	40	5	45	8	2	10	5	0	5	53	7	60
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
<b>TOTAL</b>	<b>2</b>	<b>40</b>	<b>5</b>	<b>45</b>	<b>8</b>	<b>2</b>	<b>10</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>53</b>	<b>7</b>	<b>60</b>
<b>d) Plantation crops</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
<b>TOTAL</b>													
<b>e) Tuber crops</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
<b>TOTAL</b>													
<b>f) Spices</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
<b>TOTAL</b>													
<b>g) Medicinal and Aromatic Plants</b>													
Nursery management	1	18	0	18	5	0	5	2	0	2	25	0	25
Production and management technology	2	36	0	36	8	0	8	6	0	6	50	0	50
Post harvest technology and value addition													
Others, if any													
<b>TOTAL</b>	<b>3</b>	<b>54</b>	<b>0</b>	<b>64</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>75</b>	<b>0</b>	<b>75</b>

<b>III. Soil Health and Fertility Management</b>													
Soil fertility management	6	148	4	152	36	4	40	12	0	12	196	8	204
Soil and Water Conservation													
Integrated Nutrient Management	6	136	8	144	32	8	40	16	0	16	184	64	248
Production and use of organic inputs	2	40	0	40	6	2	8	2	0	2	48	2	50
Management of Problematic soils	1	17	1	18	4	1	5	2	0	2	23	2	25
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	3	46	2	48	10	5	15	7	3	10	63	10	73
Soil and Water Testing	2	34	2	36	8	2	10	4	0	4	46	4	50
Others, if any													
<b>TOTAL</b>	<b>20</b>	<b>421</b>	<b>17</b>	<b>438</b>	<b>96</b>	<b>22</b>	<b>118</b>	<b>43</b>	<b>3</b>	<b>46</b>	<b>560</b>	<b>90</b>	<b>650</b>
<b>IV. Livestock Production and Management</b>													
Dairy Management	6	148	4	152	36	4	40	12	0	12	196	8	204
Poultry Management	6	148	4	152	36	4	40	12	0	12	196	8	204
Piggery Management	3	46	2	48	10	5	15	7	3	10	63	10	73
Rabbit Management													
Disease Management	2	34	2	36	8	2	10	4	0	4	46	4	50
Feed management	3	46	2	48	10	5	15	7	3	10	63	10	73
Production of quality animal products	3	46	2	48	10	5	15	7	3	10	63	10	73
Others, if any (Goat farming)													
<b>TOTAL</b>	<b>23</b>	<b>468</b>	<b>16</b>	<b>484</b>	<b>110</b>	<b>25</b>	<b>135</b>	<b>49</b>	<b>9</b>	<b>58</b>	<b>627</b>	<b>50</b>	<b>677</b>
<b>V. Home Science/Women empowerment</b>													
Household food security by kitchen gardening and nutrition gardening	3	46	2	48	10	5	15	7	3	10	63	10	73
Design and development of low/minimum cost diet	1	0	18	18	0	4	4	0	3	3	0	25	25
Designing and development for high nutrient efficiency diet	1	0	18	18	0	4	4	0	3	3	0	25	25
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	3	46	2	48	10	5	15	7	3	10	63	10	73
Storage loss minimization techniques	3	46	2	48	10	5	15	7	3	10	63	10	73
Enterprise development	2	20	16	36	4	6	10	2	2	4	26	24	50
Value addition	3	46	2	48	10	5	15	7	3	10	63	10	73
Income generation activities for empowerment of rural Women	3	46	2	48	10	5	15	7	3	10	63	10	73
Location specific drudgery reduction technologies	3	60	0	60	14	3	17	6	0	6	80	3	83
Rural Crafts													

Capacity building	2	20	16	36	4	6	10	2	2	4	26	24	50
Women and child care	2	46	2	48	10	5	15	7	3	10	63	10	73
Others, if any													
<b>TOTAL</b>	<b>26</b>	<b>376</b>	<b>80</b>	<b>456</b>	<b>82</b>	<b>53</b>	<b>135</b>	<b>52</b>	<b>28</b>	<b>80</b>	<b>510</b>	<b>161</b>	<b>671</b>
<b>VI. Agril. Engineering</b>													
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	1	21	0	21	3	0	3	1	0	1	25	0	25
Others, if any													
<b>TOTAL</b>	<b>1</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>25</b>	<b>0</b>	<b>25</b>
<b>VII. Plant Protection</b>													
Integrated Pest Management	8	412	20	432	98	17	115	40	5	45	550	42	592
Integrated Disease Management	5	318	18	336	78	12	90	24	6	30	420	36	456
Bio-control of pests and diseases	6	342	6	348	72	12	84	24	0	24	438	18	456
Production of bio control agents and bio pesticides	2	40	0	40	6	2	8	2	0	2	48	2	50
Others, if any													
<b>TOTAL</b>	<b>23</b>	<b>1112</b>	<b>44</b>	<b>1156</b>	<b>254</b>	<b>43</b>	<b>297</b>	<b>90</b>	<b>11</b>	<b>101</b>	<b>1456</b>	<b>98</b>	<b>1554</b>
<b>VIII. Fisheries</b>													
Integrated fish farming	1	21	0	21	3	0	3	1	0	1	25	0	25
Carp breeding and hatchery management													
Carp fry and fingerling rearing	2	46	2	48	10	5	15	7	3	10	63	10	73
Composite fish culture & fish disease	1	21	0	21	3	0	3	1	0	1	25	0	25
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1	21	0	21	3	0	3	1	0	1	25	0	25
Hatchery management and culture of freshwater prawn	3	46	2	48	10	5	15	7	3	10	63	10	73
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													
<b>TOTAL</b>	<b>8</b>	<b>155</b>	<b>4</b>	<b>159</b>	<b>29</b>	<b>10</b>	<b>39</b>	<b>17</b>	<b>6</b>	<b>23</b>	<b>201</b>	<b>20</b>	<b>221</b>
<b>IX. Production of Inputs at site</b>													
Seed Production	2	40	0	40	5	0	5	5	0	5	50	0	50
Planting material production	2	40	0	40	5	0	5	5	0	5	50	0	50
Bio-agents production													

Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production	2	40	0	40	6	2	8	2	0	2	48	2	50
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
<b>TOTAL</b>	<b>6</b>	<b>120</b>	<b>0</b>	<b>120</b>	<b>16</b>	<b>2</b>	<b>18</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>148</b>	<b>2</b>	<b>150</b>
<b>X. Capacity Building and Group Dynamics</b>													
Leadership development													
Group dynamics	2	4	32	36	2	8	10	2	2	4	8	42	50
Formation and Management of SHGs	1	16	2	18	4	0	4	3	0	3	23	2	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
<b>TOTAL</b>													
<b>XI Agro-forestry</b>													
Production technologies													
Nursery management													
Integrated Farming Systems													
<b>TOTAL</b>	<b>3</b>	<b>20</b>	<b>34</b>	<b>54</b>	<b>6</b>	<b>8</b>	<b>14</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>31</b>	<b>44</b>	<b>75</b>
<b>TOTAL</b>	<b>170</b>	<b>4100</b>	<b>296</b>	<b>4506</b>	<b>908</b>	<b>225</b>	<b>1133</b>	<b>382</b>	<b>71</b>	<b>453</b>	<b>5505</b>	<b>689</b>	<b>6109</b>

**(b) 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	3	36	18	54	3	12	15	3	9	12	36	39	75
Bee-keeping	1	15	0	15	5	0	5	4	1	5	24	1	25
Integrated farming	1	16	2	18	4	0	4	3	0	3	23	2	25
Seed production	4	80	0	80	10	0	10	10	0	10	100	0	100
Production of organic inputs	2	40	0	40	6	0	6	4	0	4	50	0	50
Planting material production	3	54	2	56	14	1	15	3	1	4	71	4	75
Vermi-culture	3	52	4	56	12	0	12	6	1	7	70	5	75
Sericulture													
Protected cultivation of vegetable crops	2	34	2	36	8	2	10	4	0	4	46	4	50
Commercial fruit production	1	15	0	15	5	0	5	5	0	5	25	0	25
Repair and maintenance of farm machinery and implements	2	30	0	30	10	0	10	10	0	10	50	0	50
Nursery Management of Horticulture crops	2	38	4	42	6	0	6	2	0	2	46	4	50
Training and pruning of orchards	1	18	0	18	5	0	5	2	0	2	25	0	25
Value addition	5	20	60	80	5	20	25	5	15	20	30	95	125
Production of quality animal products	1	20	0	20	3	0	3	2	0	2	25	0	25
Dairying	3	32	4	36	8	2	10	2	2	4	42	8	50
Sheep and goat rearing	2	4	32	36	2	8	10	2	2	4	8	42	50
Quail farming	1	18	0	18	5	0	5	2	0	2	25	0	25
Piggery	1	20	0	20	3	0	3	2	0	2	25	0	25
Rabbit farming													
Poultry production	2	38	4	42	6	0	6	2	0	2	46	4	50
Ornamental fisheries													
Para vets													
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	2	4	32	36	2	8	10	2	2	4	8	42	50
Post Harvest Technology	2	3	43	46	0	3	3	0	1	1	3	47	50
Tailoring and Stitching													

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			
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
<b>TOTAL</b>	<b>44</b>	<b>587</b>	<b>207</b>	<b>794</b>	<b>122</b>	<b>56</b>	<b>178</b>	<b>75</b>	<b>34</b>	<b>109</b>	<b>778</b>	<b>297</b>	<b>1075</b>

**(c) 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	8	128	16	144	32	8	40	8	8	16	168	32	200
Integrated Pest Management	2	33	3	36	8	2	10	3	1	4	44	6	50
Integrated Nutrient management	1	17	1	18	4	1	5	2	0	2	23	2	25
Rejuvenation of old orchards	1	19	0	19	5	0	5	1	0	1	25	0	25
Value addition	2	3	43	46	0	3	3	0	1	1	3	47	50
Protected cultivation technology	2	36	1	37	9	1	10	3	0	0	48	2	50
Formation and Management of SHGs	1	15	4	19	0	3	3	0	3	3	15	10	25
Group Dynamics and farmers organization	1	12	6	18	4	1	5	1	3	4	15	10	25
Information networking among farmers													
Capacity building for ICT application	1	15	4	19	0	3	3	0	3	3	15	10	25
Care and maintenance of farm machinery and implements	9	164	2	166	43	2	45	14	0	14	221	4	225
WTO and IPR issues													
Management in farm animals	3	51	3	54	12	3	15	6	0	6	69	6	75
Livestock feed and fodder production	1	19	0	19	5	0	5	1	0	1	25	0	25
Household food security	1	15	4	19	0	3	3	0	3	3	15	10	25
Women and Child care	1	4	15	19	0	3	3	0	3	3	4	21	25
Low cost and nutrient efficient diet designing	1	2	16	18	1	1	2	4	1	5	4	21	25



Production and use of organic inputs	1	16	2	18	1	1	2	4	1	5	21	4	25
Gender mainstreaming through SHGs	1	15	4	19	0	3	3	0	3	3	15	10	25
Crop intensification	2	36	1	37	9	1	10	3	0	3	48	2	50
<b>TOTAL</b>	<b>39</b>	<b>600</b>	<b>125</b>	<b>725</b>	<b>133</b>	<b>39</b>	<b>172</b>	<b>50</b>	<b>30</b>	<b>77</b>	<b>778</b>	<b>197</b>	<b>975</b>

#### 4. Frontline demonstration to be conducted\*

##### Frontline demonstration 01: (Soil Science)

**Crop:** Cauliflower  
**Thrust Area:** Promote Organic Farming  
**Thematic Area:** Organic Farming  
**Season:** Kharif  
**Farming Situation:** Vegetable – Vegetable

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.	Cauliflower	1.0	Vermicompost	Yield, B:C ratio	Vermicompost																10

##### Extension and Training activities under FLD to be conducted:

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	Organic Farming of Cauliflower	1	PF	01	OFF																30
Field day	Impact of vermicomposting on Soil properties and Curd yield	1	PF	01	OFF																50

### Frontline demonstration 02: (Soil Science)

**Crop:** Paddy  
**Thrust Area:** Development of need based efficient and profitable cropping system  
**Thematic Area:** INM  
**Season:** Kharif  
**Farming Situation:** Paddy- Wheat/pulses

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.	Paddy	4.0	Azolla and BGA	Grain Yield, B:C ratio	Azolla and BGA														10

### Extension and Training activities under FLD to be conducted:

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	Scientific Cultivation of Paddy	1	PF	01	OFF														25
Field day	Soil properties and Agronomic practices of Chickpea	1	PF	01	OFF														50

**Frontline demonstration 03: (Soil Science)**

**Crop:** Lentil  
**Thrust Area:** Development of need based efficient and profitable cropping system  
**Thematic Area:** INM  
**Season:** Rabi  
**Farming Situation:** Paddy- Wheat/pulses

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.	Lentil	4.0	Bio-fertilizers (Rhizo + PSB)	Grain Yield, B:C ratio	Bio-fertilizers (Rhizo + PSB)														10

**Extension and Training activities under FLD to be conducted:**

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	Scientific Cultivation of Lentil	1	PF	01	OFF														25
Field day	Soil properties and Agronomic practices of Lentil	1	PF	01	OFF														50

**Crop:** Papaya (Horticulture)

**Thrust Area:** Production technology and management

**Thematic Area:** Crop production

**Season:** Kharif

**Farming Situation:** Irrigated

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	Red Lady	1.0	Plant	Yield & its attributes	Seed/ Plant 10000	15 (Pusa Nanh a) 7000	desi papaya- 3000	4	3	3	1	15	4	22	8	30

**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	Package & practices of papaya cultivation	02	RY/PF	1 day	1 On / 1 Off	5	0	5	0	28	2	38	2	40

**Crop:** Brinjal (Horticulture)

**Thrust Area:** Production Technology Management

**Thematic Area:** Crop production

**Season:** Kharif

**Farming Situation:** Irrigated

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	Sadabhar baigan	1.0	Seed		1000	Sadabhar baigan 1000	VNR -2 - 1000	2	1	2	1	12	2	16	4	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	Scientific cultivation of Brinjal	2	PF/Ry	1 day	1 On / 1 Off	5	0	5	0	40	10	50	10	60	

**Crop:** Cauliflower (Horticulture)

**Thrust Area:** Production Technology Management

**Thematic Area:** Crop production

**Season:** Kharif

**Farming Situation:** Irrigated

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	Sabour Agrim	2.0	Seed	Yield & its attribute data	Seed 3000	Sabour Agrim	Agrim Chinka	4	0	3	0	23	0	30	0	30

**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	Scientific cultivation of Cauliflower	2	PF/Ry	1 day	1 On / 1 Off	5	0	5	0	40	10	50	10	60

**Crop:** Turmeric (Horticulture)

**Thrust Area:** Production Technology Management

**Thematic Area:** Crop production

**Season:** Kharif

**Farming Situation:** Irrigated

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	Loca 1	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	R. Sonia	0.5	Seed	Yield & its attribute data	Seed 3000	R. Sonia	Loca 1	2	1	2	1	14	2	16	4	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	Scientific cultivation of Turmeric	2	PF/Ry	1 day	1 On / 1 Off	5	0	5	0	40	10	50	10	60

**Crop:** Tomato (Horticulture)

**Thrust Area:** Production Technology Management

**Thematic Area:** Crop production

**Season:** Rabi

**Farming Situation:** Irrigated

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	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tomato /Arka Saurabh	0.5	Seed	Yield & its attribute data	Seed 3000	Arka Saurabh	Kasi Vishesh	4	0	3	0	23	0	30	0	30

**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	Scientific cultivation of Tomato	2	PF/Ry	1 day	1 On / 1 Off	5	0	5	0	40	10	50	10	60

**Crop:** Fish (Fishery Sc.)

**Thrust Area:** Production Technology Management

**Thematic Area:** Fish production

**Season:** Kharif/Rabi

Sl. No.	Crop & variety/ Enterprises	Technology package for demonstration	Proposed Area (ha)/ Unit (No.)	No. of Beneficiaries
1	Improved fish varieties	Improved Catla, Jayanti Rohu	2.0	10
2	Improved fish varieties	Amur carp	0.5	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
Training	Fish Pond Management	2	PF/Ry	1 day	1 On / 1 Off	7	0	5	0	38	10	50	10	60

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

Crop	Variety	Area (ha)	Class of Seed	Quantity of seed (q)
<b>Kharif 2022</b>				
<b>Paddy</b>	Sabour Sampann	04	F/S	69.00
	R. Sweta	03	C/S	24.90
<b>Total</b>				<b>150.60</b>
<b>Rabi 2022-23</b>				
Linseed	Sabour tisi-1	01	C/S	6.47
Chick pea	GNG	01	C/S	6.00
Wheat	HD 2967	03	F/S	60.00
Wheat	DBW 187	03	C/S	47.50
Wheat	HD2985	0.10	F/S	2.60
Mustard	R. Suflam	0.06	T/L	0.63
Potato	Kufri Ashoka	0.06	T/L	13.65
Lentil	IPL 316	0.06	T/L	0.70
Chick Pea	GNG-2199	1.06	C/S	15.20
Linseed	Kota Alsi-4	1.0	C/S	4.65
Arhar	NDA-2	0.06	T/L	0.72



Onion	N-53	0.06	--	3.22
Maize	P3355	0.06	--	6.68
Mentha	Golden	0.06	Oil	4.65
<b>Total</b>				<b>172.67</b>
<b>Zaid 2023</b>				
Moong	Virat	01	T/L	1.20
Dhaincha	Local	06	<b>Green Mannuring</b>	
<b>Kharif 2023 (To be conducted)</b>				
Paddy	Sabour Sampann	04	F/S	-
	R. Sweta	03	F/S	-

**b) Village Seed Production Programme:**

Name of the Crop / Enterprise	Variety / Type	Period From Nov.21 to March,22	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production (q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Gram	GNG-2199	Nov. 2021 - March, 2022	10	10	C/S	80	80,000	4,00,000	3,20,000
Linseed	Kota Alsi		10	25	C/S	30	15,000	1,00,000	85,000

**6. Extension Activities: 2023**

S. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ST (% of total)	M	F	T	M	F	Total
1	Field Day	12	450	150	600	10%	30	5	35	480	155	635
2	Kisan Mela	3	1270	350	1620	15%	35	10	45	1305	360	1665
3	Kisan Ghosthi	8	1500	1000	2500	10%	25	5	30	2525	1505	4030
4	Exhibition	2	155	35	190	10%	5	2	7	160	37	197
5	Film Show	2	1000	150	1150	10%	2	1	3	1002	151	1153
6	Method Demonstrations	6	120	30	150	10%	3	2	5	123	32	155
7	Farmers Seminar	1	150	30	180	10%	4	2	6	154	32	186
8	Workshop	6	550	50	600	10%	10	5	15	560	55	615
9	Group meetings	12	460	30	490	10%	5	2	7	465	32	497
10	Lectures delivered as resource persons	30	720	140	860	20%	8	4	12	728	144	872
11	Advisory Services	1200	1000	200	1200	20%	15	5	20	1515	505	2020
12	Scientific visit to farmers field	290	1500	580	2080	20%	10	5	15	1510	585	2095
13	Farmers visit to KVK	1800	1400	400	1800	20%	20	10	30	1420	710	2130
14	Diagnostic visits	220	180	40	220	20%	5	2	7	585	142	827
15	Exposure visits	5	420	80	500	20%	10	5	15	430	85	515
16	Ex-trainees Sammelan	4	200	90	290	15%	5	2	7	205	92	297
17	Soil health Camp	2	210	35	245	10%	2	0	2	212	35	247
18	Animal Health Camp	1	100	90	190	10%	3	0	3	413	90	503
19	Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
20	Soil test campaigns	1	720	140	860	20%	8	4	12	728	144	872
21	Farm Science Club Conveners meet	1	100	35	135	10%	2	0	2	212	35	247
22	Self Help Group Conveners meetings	2	200	90	290	15%	5	2	7	205	92	297

23	Mahila Mandals Conveners meetings	3	210	80	290	15%	5	2	7	215	82	297
24	Celebration of important days (specify)	10	800	200	1000	20%	40	5	45	840	205	1045
25	Swatchta Hi Sewa	12	1500	500	2000	20%	15	5	20	1515	505	2020
26	Mahila Kisan Diwas	1	30	460	490	10%	2	5	7	32	465	497
27	Any Other (Specify)	0	0	0	0	0	0	0	0	0	0	0
28	<b>Total</b>	<b>3635</b>	<b>1524 5</b>	<b>5045</b>	<b>2029 0</b>		<b>284</b>	<b>95</b>	<b>379</b>	<b>1788 9</b>	<b>6340</b>	<b>2432 9</b>

### 7. Revolving Fund (in Rs.)

<b>Opening balance of 2022-2023 (As on 01.04.2022)</b>	<b>Amount proposed to be invested during 2022-2023</b>	<b>Expected Return</b>
78,42,601.50	11,00,000.00	20,00,000

## 8. ON FARM TRIAL (OFT) 2023-24

### (I) OFT (Fishery Sci.)

i	<b>Season</b>	
ii	<b>Title of the OFT:</b>	<b>Assessment of different feeding strategies of alternate daily ration in Pangassius fish farming.</b>
iii	<b>Thematic Area:</b>	Feed Management in fish
iv	<b>Problem diagnosed:</b>	<b>High feed cost (feed cost is around Rs 5850 - 6300/qt fish production, FCR 1.3 – 1.4)</b>
v	<b>Important Cause:</b>	High Feed conversion ratio, Poor digestibility of feed and high fish mortality
vi	<b>Production system:</b>	Fish farming
vii	<b>Micro farming system:</b>	Pangassius fish farming
viii	<b>Technology for Testing:</b>	Growth rate, BC ratio
ix	<b>Existing Practice:</b>	Daily feeding of Pangas fish
x	<b>Hypothesis:</b>	The feed cost is very much high in fish farming. Alternate day feeding for one month may save feeding cost without affecting the growth rate
xi	<b>Objective(s):</b>	a) Reduction in feeding cost of Pangas farming.
xii	<b>Treatment:</b>	
	<b>Farmers Practice (FP):</b>	<b>F.P:-</b> Daily feeding @ 5% body weight
	<b>Technology option-I (TO-I)</b>	<b>T.O-1:-</b> Alternate feeding schedule ( 6H/1L, 6 days high ration @ 5% body weight followed by 1 day low ration @ 2.5% body weight with 30% protein).
	<b>Technology option-II (TO-II)</b>	<b>T.O-2:-</b> Alternate feeding schedule ( 5H/ 1L, 5 days high ration @ 5% body weight followed by 1 day low ration @ 2.5% body weight with 30% protein).
xiii	<b>Critical Inputs:</b>	Balance, Scale etc.
xiv	<b>Unit Size:</b>	0.2 ha
xv	<b>No. of Replications</b>	07
xvi	<b>Unit Cost:</b>	1500
xvii	<b>Total Cost:</b>	10500
xviii	<b>Monitoring Indicators:</b>	Growth rate
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other)</b>	ICAR

## (II) OFT (Fishery Sci.)

i	<b>Season</b>	
ii	<b>Title of the OFT:</b>	<b>Assessment of growth and survivality of Pangassius fish species through feed probiotics addition in formulated feed.</b>
iii	<b>Thematic Area:</b>	Feed Management
iv	<b>Problem diagnosed:</b>	Poor growth rate, high feed cost and frequent disease incidence
v	<b>Important Cause:</b>	High Feed conversion ratio, Poor digestibility of feed and high fish mortality
vi	<b>Production system:</b>	Fish farming
vii	<b>Micro farming system:</b>	Pangassius fish farming
viii	<b>Technology for Testing:</b>	Farm made feed
ix	<b>Existing Practice:</b>	Formulated feeding of Pangas
x	<b>Hypothesis:</b>	The feed cost is very much high in fish farming. Feeding through feed made up of locally available ingredients will reduce the feed cost.
xi	<b>Objective(s):</b>	Reduction in feed cost and fish mortality
xii	<b>Treatment:</b>	
	<b>Farmers Practice (FP):</b>	FP: Formulated fish feeding @ 2-3 % body weight of stocked fish.
	<b>Technology option-I (TO-I)</b>	TO <sub>1</sub> : Formulated fish feeding @ 2-3 % body weight of stocked fish + 2 % probiotic inclusion.
	<b>Technology option-II (TO-II)</b>	TO <sub>2</sub> : Formulated fish feeding @ 2-3 % body weight of stocked fish + 5 % probiotic inclusion.
xiii	<b>Critical Inputs:</b>	Soyabean grain, mustard oil cake and deoied rice bran
xiv	<b>Unit Size:</b>	0.25 ha
xv	<b>No. of Replications</b>	07
xvi	<b>Unit Cost:</b>	5000
xvii	<b>Total Cost:</b>	35000
xviii	<b>Monitoring Indicators:</b>	i). Survivality percentage. ii). Fish growth rate/month iii). Benefit cost ratio iv). Water quality parameters (DO, Ammonia, Temp, and TDS etc.)
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other):</b>	Central Institute of Freshwater Aquaculture, Bhubaneswar

### (III) OFT- Soil Sc.

i	<b>Season</b>	<b>Kharif</b>
ii	<b>Title of On farm Trial</b>	Improvement of Nitrogen use efficiency in rice.
iii	<b>Thematic Area:</b>	<b>INM</b>
iv	<b>Problem identification</b>	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
v	<b>Important Cause</b>	<b>injudicious</b> uses of Fertilizers
vi	<b>Production system</b>	Paddy-wheat based production system.
vii	<b>Micro farming system:</b>	Paddy-Wheat
viii	<b>Technology for Testing:</b>	Performance of Nano urea on rice
ix	<b>Existing Practice:</b>	Farmers practice
x	<b>Hypothesis:</b>	To control of injudicious uses of fertilizers
xi	<b>Objective(s):</b>	Improve the farmers income
xii	<b>Treatment:</b>	
	<b>Farmer's Practices</b>	FP- RDF (100:40:20) Kg/ha
	<b>Technology option-I (TO-I)</b>	TO1- 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage).
	<b>Technology option-II (TO-II)</b>	TO2- 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
xiii	<b>Critical Inputs:</b>	Seed, Nano urea, chemicals
xiv	<b>Unit Size:</b>	0.10 ha
xv	<b>No. of Replications</b>	10
xvi	<b>Unit Cost:</b>	
xvii	<b>Total Cost:</b>	
xviii	<b>Monitoring Indicators:</b>	Plot size (10x10 m <sup>2</sup> )/ in each tech. option, soil data before and after (pH, EC, OC, NPK), Yield data, No. of effective tillers/m <sup>2</sup> , 1000 grain weight, Panicle weight, Grain and Straw yield and Economics.
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other):</b>	OFT Finalization workshop 2022-23

#### (IV) OFT- Soil Sc.

i	<b>Season</b>	<b>Rabi</b>
ii	<b>Title of On farm Trial</b>	<b>Improvement of Nitrogen use efficiency in wheat</b>
iii	<b>Thematic Area:</b>	Integrated Nutrient Management
iv	<b>Problem identification</b>	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
v	<b>Important Cause</b>	Excessive use of chemical fertilizer
vi	<b>Production system</b>	Paddy-Wheat based production system.
vii	<b>Micro farming system:</b>	Paddy-Wheat
viii	<b>Technology for Testing:</b>	Impact of nano urea on wheat
ix	<b>Existing Practice:</b>	Farmers practice
x	<b>Hypothesis:</b>	
xi	<b>Objective(s):</b>	Improve the farmers income
xii	<b>Treatment:</b>	
	<b>Farmer's Practices</b>	FP: RDF (100:40:20) Kg/ha
	<b>Technology option-I (TO-I)</b>	TO1: 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS).
	<b>Technology option-II (TO-II)</b>	TO2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water.
xiii	<b>Critical Inputs:</b>	Seed, Nano urea, Chemical
xiv	<b>Unit Size:</b>	0.10 ha
xv	<b>No. of Replications</b>	10
xvi	<b>Unit Cost:</b>	
xvii	<b>Total Cost:</b>	
xviii	<b>Monitoring Indicators:</b>	<b>Technical Observation:</b> Plot size (10x10 m <sup>2</sup> )/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/ m <sup>2</sup> , 1000 grain wt., Panicle wt., Straw yield and Economics.
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other specify):</b>	BAU, Sabour & SUAST Kashmir

**(V) OFT- Soil Sc.**

i	<b>Season</b>	<b>Rabi</b>
ii	<b>Title of On farm Trial</b>	<b>Integration of fertilizer in different form on yield of lentil.</b>
iii	<b>Thematic Area:</b>	Integrated Nutrient Management
iv	<b>Problem identification</b>	Injudicious uses of fertilizers
v	<b>Important Cause</b>	Low yield
vi	<b>Production system</b>	Rice based production system.
vii	<b>Micro farming system:</b>	Rice-Wheat/pluses
viii	<b>Technology for Testing:</b>	Assessment of Liquid bio-fertilizers in Lentil
ix	<b>Existing Practice:</b>	Farmers practice
x	<b>Hypothesis:</b>	Application of water soluble nutrients and biofertilizer may increase the yield of lentile & improve the soil health.
xi	<b>Objective(s):</b>	To improve lentil yield and soil health.
xii	<b>Treatment:</b>	
	<b>Farmer's Practices</b>	FP : Seed Treatment + RDF
	<b>Technology option-I (TO-I)</b>	TO <sub>1</sub> : 50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage)
	<b>Technology option-II (TO-II)</b>	TO <sub>2</sub> : Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation)
xiii	<b>Critical Inputs:</b>	Seed, Bio-fertilizers
xiv	<b>Unit Size:</b>	0.10 ha
xv	<b>No. of Replications</b>	10
xvi	<b>Unit Cost:</b>	
xvii	<b>Total Cost:</b>	
xviii	<b>Monitoring Indicators:</b>	Plot size (10x10 m <sup>2</sup> )/ in each tech option line sowing, soil data before and after (pH, EC, OC, NPK,), Grain Yield, No. of Plant/m,1000 grain wt., No of pod /plant, strover yield and Economics
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other specify):</b>	BAU, Sabour



## (VI) OFT (Horticulture)

i	<b>Season</b>	Summer
ii	<b>Title of the OFT:</b>	<b>Assessment of microbial consortia against wilting in Solanaceous crops (Tomato)</b>
iii	<b>Thematic Area:</b>	Disease Management
iv	<b>Problem diagnosed:</b>	
v	<b>Important Cause:</b>	
vi	<b>Production system:</b>	Paddy-wheat based production system.
vii	<b>Micro farming system:</b>	Paddy-Wheat
viii	<b>Technology for Testing:</b>	Application of microbial consortia
ix	<b>Existing Practice:</b>	Farmers practice
x	<b>Hypothesis:</b>	To control of bronzing in guava achieve optimum yield
xi	<b>Objective(s):</b>	Improve the farmers income
xii	<b>Treatment:</b>	
	<b>Farmers Practice (FP):</b>	FP- Chemical Pesticides
	<b>Technology option-I (TO-I)</b>	TO1- IIHR consortia (Arka microbial consortia)
	<b>Technology option-II (TO-II)</b>	TO2- NRC Litchi consortia
xiii	<b>Critical Inputs:</b>	
xiv	<b>Unit Size:</b>	0.5 ha
xv	<b>No. of Replications</b>	10
xvii	<b>Total Cost:</b>	
xviii	<b>Monitoring Indicators:</b>	<b>Technical Observation:</b> Initial plant populaiton First wilt incidence (days after transplanting) Wilting percentage at 15, 30, 45, 60 and 75 DAT Yield (Q/ha) Economics (Rs/ha)
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	University of agriculture science Dharwad

## (VII) OFT (Horticulture)

i	<b>Season</b>	Summer
ii	<b>Title of the OFT:</b>	<b>Assessment of fruit bagging in Guava for quality improvement.</b>
iii	<b>Thematic Area:</b>	Disease management
iv	<b>Problem diagnosed:</b>	Guava quality decreases due to insect infestation.
v	<b>Important Cause:</b>	Fruit borer
vi	<b>Production system:</b>	Paddy-wheat based production system.
vii	<b>Micro farming system:</b>	Paddy-Wheat
viii	<b>Technology for Testing:</b>	Disease free improved quality of guava
ix	<b>Existing Practice:</b>	Farmers practice
x	<b>Hypothesis:</b>	Null hypothesis
xi	<b>Objective(s):</b>	Improve the farmers income
xii	<b>Treatment:</b>	
	<b>Farmers Practice (FP):</b>	FP- No bagging
	<b>Technology option-I (TO-I)</b>	TO1- Cellophane bag cover
	<b>Technology option-II (TO-II)</b>	TO2- Paper/ poly bagging
xiii	<b>Critical Inputs:</b>	
xiv	<b>Unit Size:</b>	0.1 ha
xv	<b>No. of Replications</b>	7
xvii	<b>Total Cost:</b>	1000
xviii	<b>Monitoring Indicators:</b>	<b>Technical Observation:</b> Days to maturity Fruit fly damage (%) Disease incidence (%) Physical damage (%) Fruit wt. (gram) Appearance pulp colour Self life (days)
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	University of agriculture science Dharwad

**(VII) OFT- Horticulture (Continued...)**

i	<b>Season</b>	Kharif
ii	<b>Title of the OFT:</b>	<b>Bearing regulation in Mango through paclobutrazol</b>
iii	<b>Thematic Area:</b>	Production Management and technology
iv	<b>Problem diagnosed:</b>	Bearing regulation is common problem in mango. Farmers are very irritate and no option is to be given.
v	<b>Important Cause:</b>	Farmers are not use any growth regulators.
vi	<b>Production system:</b>	Rice-Wheat cropping system in orchard mango and guava cultivation..
vii	<b>Micro farming system:</b>	Rice-Wheat cropping system in orchard ,mango and guava cultivation.
viii	<b>Technology for Testing:</b>	Use of paclobutrazol as growth regulator to minimized bearing regulation.
ix	<b>Existing Practice:</b>	Farmers are not use any growth regulator.
x	<b>Hypothesis:</b>	Increasing the production & productivity
xi	<b>Objective(s):</b>	Minimize bearing regulation
xii	<b>Treatment:</b>	
	<b>Farmers Practice (FP):</b>	<b>F.P.</b> – No pruning and No paclobutrazol
	<b>Technology option-I (TO-I)</b>	<b>T.O.1</b> – Centre open and paclobutrazol (Cultar) @1.0 g.a./m <sup>2</sup> at appropriate time
	<b>Technology option-II (TO-II)</b>	<b>T.O.2</b> – Centre open and standard dose of paclobutrazol (Cultar) @ 1.5 g.a./m <sup>2</sup> at appropriate time during the off season of fruiting.
xiii	<b>Critical Inputs:</b>	Paclobutrazol ,Soil drench method ,Dose -1g a.i/m canopy 20-40g/tree.
xiv	<b>Unit Size:</b>	3PLANTS
xv	<b>No. of Replications</b>	07
xvi	<b>Unit Cost:</b>	Rs.3000/-
xvii	<b>Total Cost:</b>	Rs.21000/-
xviii	<b>Monitoring Indicators:</b>	1.Fruit retention % 2.No.of fruit per plant 3. Av. fruit weight (g) 4. Fruit yield (t/ha) 5. T.S.S. ( <sup>o</sup> B) 6.Benefit Cost Ratio
xix	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	AICRP on Fruits,Bengaluru

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

Sl. No.	Name of the project	Fund expected (Rs.)
1	CSISA	1,00,000.00
2	NHM	7,50,000.00
3	Skill Development Training	8,00,000.00
4	CFLD (Pulses)	9,60,000.00
5	CFLD (Oilseed)	5,00,000.00
6	IFS	4,89,000.00
7	CRAP	75,00,000.00
8	IRRI Programme	1,00,000.00
9	PKVY	3,30,000.00

**10. No. of success stories proposed to be developed with their tentative titles : 10**

**11. Scientific Advisory Committee**

Date of SAC meeting held during 2021-22	Proposed date during 2022-2023
27.08.2021	26 <sup>th</sup> August, 2022

**12. Soil and water testing**

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	1000	100	10	80	10	700	100	880	120	1000	30	1000
Water Samples	-	-	-	-	-	-	-	-	-	-	-	-
Total	1000	100	10	80	10	700	100	880	120	1000	30	1000

**13. Fund requirement and expenditure (Rs.)\***

Heads	Expenditure (last year) (Rs.) up to 31.03.2020	Expected fund requirement (Rs.)
Pay & Allowance	96,15,902.00	89,00,000.00
TA	53,961.00	1,00,000.00
HRD	12,000.00	15,000.00
CNC (Office)	6,68,929.00	8,00,000.00

Training	1,10,164.00	3,00,000.00
FLD	40,000.00	80,000.00
OFT	30,946.00	59,000.00
Maintenance of Building	50,000.00	50,000.00
<b>Exhibition/Kishan Mela</b>	50,000.00	50,000.00
<b>SCSP (General)</b>	1,10,000.00	1,25,000.00
<b>SCSP (Capital)</b>	80,000.00	1,00,000.00
<b>Total Rs.</b>	<b>1,08,21,902.00</b>	<b>1,05,79,000.00</b>

\* Any additional requirement may be suitably justified.

#### 14. Cluster Frontline Demonstration (CFLD) 2022-23

S. No.	Crop	Varieties	Target	
			Area (ha)	No. of Farmer
1.	Mustard	PM-28	50	125
2.	Chick pea	GNG-2199	20	50
3.	Field Pea	Prakash	20	50
4.	Pigeon pea	Narendra Arhar-2	20	50
5.	Linseed	Kota Alsi-6	20	50
6.	Green gram	IPM-207	20	50

#### 15. Implementation of IRRI Project

The aim of project is to carry out the below interventions to start with

- (i) On Farm Trials (H2H fashion)
- (ii) Varietal Cafeteria and Exhibitions

**On Farm Trials (OFT):** Objective is to compare, validate and generate enough evidence for Breeder recommended varieties, new products/varieties for the region for better yield in the farmer field, in farmer managed condition. These are comparative trials in side by side plot or one plot divided into sub plots maintaining exactly similar management practice (farmer practice and no input support).

S.N.	Crop	Varieties
1	Paddy	BPT 5204

2	Paddy	Swarna Samridhi
3	Paddy	CG Dev Bhog
4	Paddy	BRR1 69
5	Paddy	DRR 50
6	Paddy	R. Sweta
7	Paddy	MTU 1155
8	Paddy	NLR 40054
9	Paddy	Vikram TSR

**Varietal Cafeteria & Exhibition (CC):** A platform growing 10-15 varieties in 2-3 replication plots (randomized) in a field under close supervision in a strategic location. Enough care taken to show optimum potential of the varieties. The varieties grown or showcased consist of new and farmer popular varieties. The platform hosts varietal exhibition events after maturing of seed chain stakeholders and policy makers are invited for an exhibition, participatory varietal selection, discussion, demand creation and linkage.

**The following different varieties has been allocated to KVK, Rohtas**

S.N.	Varieties	S.N.	Varieties	S.N.	Varieties
1	Rajendra Mahsuri	11	Rajendra Sweta	21	Shahbhagi Dhan
2	HUR-917 (Malviy 917)	12	DRR DHAN-49	22	Rajendra Bhagwati
3	BPT 2595 (Teja)	13	Sambha Mansuri Sub-1	23	MTU-1156
4	CR- 801	14	RP Bio-226	24	Swarna Shrey
5	Swarna Samridhi	15	Rajendra Kasturi	25	BINA-11
6	DRR Dhan-50	16	CR 307	26	BINA-17
7	Moti	17	HUR 917	27	IR-64 Sub-1
8	BINA-17	18	Telangana Sona	28	MTU-1010
9	Sabour Heera	19	DRR DHAN-50	29	BRR175
10	Swarna Sub-1	20	Swarna Unnat Dhan	30	RAJENDRA SARSWATI

### Cluster Demonstration

S.No.	Variety
1.	Swarna Samridhi
2.	DRR 49
3.	Swarna Sub-1

## 16. CSISA WORK PLAN 2022-23:

### KVK 1 :Rice-Wheat system optimization through crop establishment

#### Objective:

To evaluate the effect of DSR on yield and profitability at the systems level

#### Treatments:

Sr. No.	Treatment
T1.	Vattar (dust mulch) DSR followed by zero tillage wheat under BMP practice
T2.	Puddled transplanted rice followed by zero tillage wheat under BMP practice
T3.	Puddled transplanted rice followed by conventional tillage wheat DOS/ DOT as per farmer practice

**Total sites: 30**

**Implementation:** On-farm through CSISA team with involvement of KVKs

**Location:** Rohtas

**Plot size:** 0.5 acre per treatment

#### Site selection criteria:

- 3 adjacent plots
- Minimum of 0.5 acres per plot
- Willingness to do BMPs
  - Irrigation availability
  - Ability to successfully implement dust mulching
- Electric tube well present for some sites
- Level field (or laser levelling capability)
- Lowland or Medium land plot

#### Data collection:

- Short trial specific ODK form (production practices)
- Economics ODK (Yield, input use, labor, economics etc). Refer to 2021 SOP
- Water use?

### KVK 2 (Demonstration 1): Performance of DSR under dust mulch (presowing irrigation or equivalent pre-monsoon rain)

#### Objective:

To demonstrate the performance of DSR compared to puddle transplanted rice

**Treatments:** The following treatments will be demonstrated:

Sr. No.	Treatment
T1.	DSR + presowing irrigation and postsowing irrigation @ 15-21 days after sowing

	(DAS)
T2.	Puddle transplanted rice (check)

**Total sites: 60**

**Implementation:** On-farm through CSISA, KVK, and Jeevika

**Location:** Rohtas

**Replication:** Five in each District.

**Plot size:** minimum of 0.5 acre per treatment depends on the field size

**Data collection:**

- Grain Yield (kg/ha)
- Crop cut at 20% of sites
- Cost-benefit ODK form
- Short extension efficacy ODK survey

### **KVK 3: Reducing seed rate of rice through rice nursery enterprise (RNE), 10 RNEs in each district**

Area: 1 Acre

**Objective:** To reduce seed rate of Rice through Rice nursery enterprise (RNE)

Rice seed rate: 180 kg/acre, rice seed 90 kg uses for 0.5 acre

Raising rice nursery area: 0.5 acre

Rice seed requirement: 90 kg

**Treatment 1:** 12 kg seed rate per acre, 3 seedlings per hill with spacing of 20 cm x 15 cm (7.5 Acre Area).

**Treatment 2:** 6 kg seed rate per acre, 2 seedlings per hill with spacing of 20 cm x 15 cm (15 Acre).

**Treatment 3:** 3 kg seed rate per acre, 1 seedling per hill with spacing of 20 cm x 15 cm (30 Acre).

Layout for 0.5 acre rice nursery area:

Nursery area equally divided or marked in three parts (with the help of rope/marker) for proper and equal distribution of rice seed and proper uprooting of rice seedlings.

**Total sites: 30**

**Implementation:** On-farm through KVKs and CSISA

**Location:** Rohtas

**Plot size:** 100-300 m<sup>2</sup> per treatment depends on the field size

**Data collection:**

- Short trial specific ODK form (production practices)

### **KVK 4 :Phosphorus reduction and omission trials in rice**

**Objective:**

To evaluate the yield effect of reducing or omitting P fertilizer in rice wheat systems



**Treatments:**

Sr. No.	Treatment
T1.	60 P <sub>2</sub> O <sub>5</sub> rice( <i>fb</i> )60 P <sub>2</sub> O <sub>5</sub> wheat*
T2.	0 P <sub>2</sub> O <sub>5</sub> rice( <i>fb</i> ) 60 P <sub>2</sub> O <sub>5</sub> wheat*
T3.	30 P <sub>2</sub> O <sub>5</sub> rice ( <i>fb</i> )30 P <sub>2</sub> O <sub>5</sub> wheat*

\*150 N and 40 K<sub>2</sub>O will be applied for all treatments and crops

**Total sites:** 60

**Replication:** The number of sites per district will be selected based on soil P availability.

**Location:**Rohtas

**Plot size:** 100-300 m<sup>2</sup> per treatment depends on the field size (Divide the one field into 3 equal size plots and assign these three treatments randomly).

**Data collection:**

- Soil sample at land preparation/ prior to basal application of P
- Short trial specific ODK form with crop cut

**17. Proposed Integrated Farming System (IFS) Activities**

S.No.	Component Name	Production Target
1.	Dairy	850 ltr milk
2.	Fishery	1.0 lakh fish seed
3.	Poultry	50 bird
4.	Goatery	20 goat

**18. BSDM / ICAR: 2022-23**

S.No.	Skill Training Programme	Agency	Tentative Date
1.	Gardener	BSDM (RPL)	August, 2023
2.	Gardener	BSDM (Domain)	November. 2023
3.	Orchard Worker	ICAR	Sept. 2023
4.	Nursery Worker	ICAR	November, 2023
4.	Mushroom Grower	BSDM (Domain)	October, 2023

## 19. Scheduled Caste Sub Plan (SCSP)

- Suitable intervention for sustainable development and income generation amongst scheduled caste artisans/farmers
- Facilitating setting up of technology driven micro-enterprises in rural areas
- Sensitizing and organizing awareness campaign related to agriculture and allied activities at village level.
- Other activities, which would complement these objectives, like workshops, seminars, publications, etc.

### Activities to be undertaken:

Sl. No.	Particulars	Number of Beneficiaries
1	Kitchen Garden, Planting Material & Mushroom Production	500
2	Farm Machinery -02	250
3	Poultry	30
4	Goatary	30
5	Exposure Visit	100
6	Training	120
7	Seed production	100
8	Fish production	20

## 20. Climate Resilient Agriculture Programme (CRAP)

### Kharif 2023

Sl. No.	Technology	Crop (variety)	Physical Target (acre)	Physical Achievement (acre)	% Achievement
1	Direct Seeded Rice	Paddy (Sabour sampann, Rajendra shweta)	325	Nursery has been raised for transplanting	29.54
2	Alternate Wetting and Drying		75		
3	Water Harvesting and Contour Bunding		40		
4	Green Seeker		50		
5	System of Rice Intensification (SRI)		50		

6	Raised Bed in Arhar	Arhar (NDA-2)	25	15	60
7	Intercropping of Maize and Arhar	Maize+Arhar (VNR 4226+NDA-2)	10	10	100
8	Community Irrigation		20		
	<b>Total</b>		<b>595</b>		

**RABI 2022-23**

Sl. No.	Technology	Crop	Physical Target (acre)	Physical Achievement (acre)	% Achievement
1	Happy Seeder Wheat	Wheat (HD 2967, HD 2985, DBW 187)	95	95	100
2	Zero Tillage Wheat		330	330	100
3	INM in Wheat		20	20	100
4	RB Wheat		5	5	100
5	Zero Tillage Chickpea	Chick Pea (GCP -105)	75	75	100
6	Zero Tillage Lentil	Lentil (IPL-316)	40	40	100
7	Zero Tillage Mustard	Mustard (R. Suflam)	50	50	100
8	Raised Bed Potato	Potato (K. Khyati, K. Ashoka)	3	3	100
9	Raised Bed Maize	Maize (P 3355)	5	5	100
	<b>Total</b>		<b>623</b>	<b>623</b>	<b>100</b>

**21. PKVY : Two cluster is to formed under PKVY programme.**

S.No.	Name of Cluster/village	Area (ha)	No. of beneficiaries
1.	Cluster 1- Siwan village, Karahgar	10	25
2.	Cluster 2- Srisiya village, Karahgar	10	25

## 22. ATMA (Kharif & Rabi Abhiyaan)

Name of activity	Number of activity	Season
Training	20	Kharif
Training	15	Rabi

## 23. Important Days to be celebrated:

- i) National Productivity week cum Radio Kisan Diwas: 15 February, 2023
- ii) International Women's Day : 08 March, 2023
- iii) World Environment day : 05 June 2023
- iv) International Yoga Day : 21 June, 2023
- v) Parthenium Eradication Awareness week : 16-22 August, 2023
- vi) World Earth Day : 02 September, 2023
- vii) Mahila Kisan Diwas : 15 October, 2023
- viii) International Farm Women's Day : 04 Dec., 2023
- ix) World Soil Health Day : 05 December, 2023
- x) Swachh Bharat Abhiyan : 15-31 December, 2023

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