



**KRISHI VIGYAN KENDRA, RAJGARH
(M.P.)**



ANNUAL PROGRESS REPORT

JANUARY 2022 TO DECEMBER 2022

BY

SENIOR SCIENTIST & HEAD
**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDHYALAYA,
GWALIOR (M.P.)**

ANNUAL PROGRESS REPORT 2022

KVK Rajgarh MP

Year of sanction

1.1 Name of the Programme Coordinator with phone & mobile No

| Name | Telephone / Contact | | |
|----------------------|---------------------|------------|--|
| | Office | Mobile | Email |
| Dr. Rupendra Khandwe | - | 9826685106 | rkhandwe@rediffmail.com kvk.rajgarh@rvskvv.net |

1.2 Staff Position on (31th Dec.2022)

| S. No. | Sanctioned post | Name of the incumbent | Designation | Discipline | Pay Scale with present basic (Rs.) | Date of Joining | Date of joining this KVK (Year) | Contact No. | Email ID | Photo |
|--------|---|-----------------------------|---------------------------|-------------------------------|------------------------------------|-----------------|---------------------------------|-------------|--|-------|
| 1 | Programme Coordinator | Dr. Rupendra Khandwe | Principal Scientist | Sr. Scientist & Head | 193800 | 17.01.1985 | 2022 | 9826685106 | rkhandwe@rediffmail.com | |
| 2 | Subject Matter Specialist | Dr. Shalini Chakravarti | Senior Scientist | Scientist (Subject) | 147900 | 16.04.2007 | 2021 | 7869878765 | shalini17576@gmail.com | |
| 3 | Subject Matter Specialist | Dr. Lal Singh | Scientist (Horticulture) | Scientist (Subject) | 95300 | 05.02.2007 | 2007 | 9926315545 | lalsingh_sagar@rediffmail.com | |
| 4 | Subject Matter Specialist | Dr. Bhagwan Kumrawat | Scientist (Soil Science) | Scientist (Subject) | 98200 | 26.03.2007 | 2007 | 9407275707 | bhagwankumrawat@yahoo.co.in | |
| 5 | Subject Matter Specialist | Dr. A.K. Mishra | Scientist (PB & Genetics) | Scientist (Subject) | 92600 | 18.01.1985 | 2021 | 8770848575 | anil1961.mishra@gmail.com | |
| 6 | Subject Matter Specialist | - | - | - | - | - | - | - | - | |
| 7 | Subject Matter Specialist | - | - | - | - | - | - | - | - | |
| 8 | Programme Assistant | Shri M.P. Nayak | Programme Assistant | Programme Assistant (Subject) | 60400 | 01.03.2011 | 2021 | 9826635707 | kvk.rajgarh@rvskvv.net | |
| 9 | Computer Programmer / Programme Assistant | - | - | - | - | - | - | - | - | |
| 10 | Farm Manager | - | - | - | - | - | - | - | - | |
| 11 | Assistant | - | - | - | - | - | - | - | - | |
| 12 | Jr. Stenographer / Comp. Operator | - | - | - | - | - | - | - | - | |
| 13 | Driver | - | - | - | - | - | - | - | - | |
| 14 | Driver | Shri Gajanan Malviya Driver | Driver cum mechanic | Driver cum mechanic | 32200 | 12.03.2003 | 2021 | 9827067015 | kvk.rajgarh@rvskvv.net | |
| 15 | Supporting staff | Shri Yogendra Kosre | Driver cum mechanic | Driver cum mechanic | 22000 | 09.07.2018 | 2021 | 9993135874 | kvk.rajgarh@rvskvv.net | |
| 16 | Supporting staff | Mo. Zameel Khan TSL | TSL | Peon | 29700 | 27.01.1994 | 1998 | 7566405631 | kvk.rajgarh@rvskvv.net | |

1.3 Total land with KVK (in ha) 14.67 ha.

| S. No. | Item | Area (ha) |
|--------------|---------------------------|--------------|
| 1 | Under Buildings | 0.67 |
| 2 | Under Demonstration Units | 1.0 |
| 3 | Under Crops | 9.0 |
| 4 | Orchard/Agro-forestry | 4.0 |
| 5 | Others (specify) | 0 |
| Total | | 14.67 |

1.4 Infrastructural Development:

A) Buildings

| S. No. | Name of building | Source of funding | Stage | | | | | |
|--------|------------------------------|-------------------|-----------------|--------------------|-------------------|---------------|--------------------|------------------------|
| | | | Complete | | | Incomplete | | |
| | | | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1 | Administrative Building | ICAR | 1998 | 656.7 | 20.67 | 1997 | 400 | - |
| 2 | Farmers Hostel | ICAR | 1998 | 305.0 | 11.84 | 1997 | 200 | - |
| 3 | Staff Quarters (6) | ICAR | 2006 | 100 | 14.00 | 2005 | 100 | - |
| 4 | Demonstration Units (2) | - | - | - | - | - | - | - |
| 5 | Fencing | - | - | - | - | - | - | - |
| 6 | Rain Water harvesting system | - | - | - | - | - | - | - |
| 7 | Threshing floor | - | - | - | - | - | - | - |
| 8 | Farm godown | - | - | - | - | - | - | - |

B) Vehicles

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|---------------------|------------------|------------|----------------|----------------------|
| Tractor | 2004 | 2.78 | 24832 | Working |
| Motor Cycle 2 | 2015 | 0.50 | 7320 | Working |
| Bolero(Jeep) | 2012 | 6.80 | 223600 | Write-off in 2022-23 |
| Other (Pl. specify) | - | - | - | - |

C) Equipment & AV aids

| Name of the equipment | Year of purchase | Cost (Rs.) Lakh | Present status |
|-----------------------|------------------|-----------------|----------------|
| LCD projector | 2006 | 1.0 | Working |
| PA System | 1998 | 0.5 | Working |
| Overhead projector | 1995 | 1.0 | Not-working |
| Smart TV (Thomson) | 2020 | 0.35 | Working |

1.5.(A). Details of SAC meeting to be conducted in the year

| Sl. No. | Tentative Date |
|---------|----------------|
| 1 | 16.06.2022 |
| 2 | 09.11.2022 |

2. DETAILS OF DISTRICT

Major farming systems / enterprises (based on the Agro-ecological situation analysis made by the KVK) Add AES if needed

| S. No. | Farming system/enterprise | Description |
|--------|---------------------------|--|
| 1 | AES – 1 | Soil type is red skeletal, graveled mix, light black soil & medium black soil deficient in organic matter with tremendous erosion capacity. Blocks covered area wise Rajgarh 60%,30% and 5% respectively, Khilchipur 70%,30% and 0% respectively and Biaora 20%,70% and 10% respectively |
| 2 | AES – 2 | Soil type is light black soil in block Zerapur, Rajgarh and biaora comprise 70 %. |
| 3 | AES – 3 | Heavy to medium black soil are found in Narsinghpur and Sarangpur blocks of the district |

Description of Agro-climatic Zone & major agro-ecological situations (based on soil and topography)

| S. No. | Agro-climatic Zone | Characteristics | | | | |
|-----------------|--------------------|--|----------------|---------------|-----------------|-----------------|
| 1 | Average rainfall | 1100 mm | | | | |
| 2 | Temperature | Maximum 43 ^o C | | | | |
| 3 | | Minimum 4 ^o C | | | | |
| 4 | Soil Type | Medium Black Soil type | | | | |
| 5 | Total Population | <table border="1"> <tr> <td>1254085 (2011)</td> </tr> <tr> <td>Male – 649106</td> </tr> <tr> <td>Female – 604979</td> </tr> <tr> <td>Total – 1254085</td> </tr> </table> | 1254085 (2011) | Male – 649106 | Female – 604979 | Total – 1254085 |
| 1254085 (2011) | | | | | | |
| Male – 649106 | | | | | | |
| Female – 604979 | | | | | | |
| Total – 1254085 | | | | | | |
| 6 | | | | | | |

SWOT Analysis of each Agro-Ecological Situations of district
AES-1 (name)

| Strength | Weakness | Opportunities | Threats |
|----------|----------|---------------|---------|
| • | • | • | • |

AES-2 (name)

| Strength | Weakness | Opportunities | Threats |
|----------|----------|---------------|---------|
| • | • | • | • |

AES-3 (name)

| Strength | Weakness | Opportunities | Threats |
|----------|----------|---------------|---------|
| • | • | • | • |

AES-4 (name)

| Strength | Weakness | Opportunities | Threats |
|----------|----------|---------------|---------|
| • | • | • | • |

Add AES if needed

Land Use Pattern

| Particulars | Area "000 ha" |
|------------------------------------|---------------|
| Total Geographical area | 616300 |
| Forest | 17636 |
| Waste Land | 6209 |
| Other than cultivated area | 29950 |
| Cultivable waste and alkaline land | 6260 |
| Pastures | - |
| Bushes | - |
| Current Fallow | - |
| Other Fallow | - |
| Agricultural Land | - |
| Area Sown | 427983 |
| Kharif | 467000 |
| Rabi | 325000 |
| Zaid | - |
| Cropping Intensity | - |

Irrigated Area with Different Sources:

| S. No. | Description | Area (ha) |
|--------|-------------|-----------|
| 1 | Canal | 5775 |
| 2 | Well | 3986 |
| 3 | Tube well | 12950 |
| 4 | Ponds | 36236 |
| 5 | Others | 17880 |

Soil types

| S. No. | Soil type | Characteristics | Area "000 ha" |
|--------|---|---|---------------|
| 1 | Medium black soil | Rajgarh, khilchipur,zeerapur | 32% |
| 2 | Heavy Black Soil | Sarangpur, Narsingarh, Biora | 35% |
| 3 | Gravels/Skeletal red soil with low Water retention and higher erosion | Rajgarh, khilchipur, zeerapur (include LORWAR AREA about 73000 ha) | 33 % |

Note: Figure. In parenthesis denotes the percentage of total area.

Area, Production and Productivity of major crops cultivated in the district

| S. No | Crop | Area (ha) | Production (Qt.) | Productivity (Q /ha) |
|-------|---------------|-----------|------------------|----------------------|
| 1 | Soybean | 310211 | 3046272 | 9.82 |
| 2 | Maize | 50423 | 869797 | 17.25 |
| 3 | Sorghum | 33357 | 460327 | 13.80 |
| 4 | Kharif Pulses | 12012 | 92132 | 7.67 |
| 5 | Sesame | 893 | 5697 | 6.38 |
| 6 | Wheat | 65309 | 1805141 | 27.64 |
| 7 | Gram / Lentil | 80300 | 931480 | 11.60 |
| 8 | Mustard | 40230 | 482760 | 12.00 |
| 9 | Citrus | 17351 | 2359736 | 136.00 |
| 10 | Gooseberry | 1495 | 77889 | 52.10 |
| 11 | Papaya | 526 | 53652 | 102.00 |
| 12 | Guava | 407 | 40150 | 98.65 |
| 13 | Custard Apple | 216 | 18788 | 86.98 |
| 14 | Onion | 2835 | 334530 | 118.00 |
| 15 | Garlic | 2189 | 207955 | 95.00 |
| 16 | Chillie | 2185 | 13110 | 6.00 |
| 17 | Coriander | 48560 | 607000 | 12.50 |

| | | | | |
|----|-----------|------|--------|--------|
| 18 | Ginger | 154 | 16940 | 110.00 |
| 19 | Potato | 2713 | 345907 | 127.50 |
| 20 | Cucurbits | 689 | 62010 | 90.00 |
| 21 | Crucifers | 2815 | 408175 | 145.00 |
| 22 | Pea | 1380 | 55200 | 40.00 |

Weather data (Jan, 2022- Dec., 2022)

| Month /Year | Rainfall (m.m.) | Temperature (° C) | |
|-------------|-----------------|--------------------|---------|
| | | Maximum | Minimum |
| Jan, 22 | - | 41.1 | 21.9 |
| Feb, 22 | - | 41.8 | 30.0 |
| Mar, 22 | - | 39.1 | 21.1 |
| Apr, 22 | - | 23.9 | 20.7 |
| May, 22 | - | 30.6 | 19.8 |
| Jun, 22 | 154.00 | 33.5 | 20.2 |
| July, 2022 | 458.00 | 33.3 | 15.3 |
| Aug., 2022 | 564.00 | 30.8 | 9.5 |
| Sept., 2022 | 373.00 | 28.2 | 6.4 |
| Oct. 2022 | 190.00 | 24.9 | 6.0 |
| Nov. 2022 | - | 30.5 | 6.4 |
| Dec. 2022 | - | 38.0 | 14.5 |
| | 1739.00 | | |

Production and productivity of livestock, Poultry, Fisheries etc. in the district

| Category | Population | Production | Productivity |
|--|-------------|------------------------|---------------------|
| Cattle | | | |
| <i>Crossbred/ Indigenous</i> | 182773 | Milk = 1,62,000 lt/day | |
| Buffalo | 199075 | MT. | kg |
| Sheep | | | |
| <i>Crossbred/ Indigenous</i> | 17767 | MT wool | kg |
| Goats | 165121 | MT | kg |
| Pigs <i>Crossbred/ Indigenous</i> | 13806 | --- | --- |
| Rabbits | 37 | | |
| Poultry | | | |
| Hens | 1,51,611 | Eggs=6.8 Lakhs | 4.46 eggs/ bird/yr |
| Turkey and others | | | |
| Category | Area | Production | Productivity |
| Fish | 50398 |Q/ month | Q/ ha. |

Details of Operational area / Villages (2022)

| Sl. No. | Tehsil | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---------|---------|---|---|--|--|--|
| 1 | Rajgarh | Rajgarh Narsingharh Jeerapur Khilchipur Sarangpur Biaora | Chatukheda Banskheda Balchidi Jalampura Guradiya Unchkheda | Soybean, Maize, Sorghum, wheat, gram, lentil, coriander, garlic, onion, Animal Husbandry | Indigenous Seed, Imbalance fertilization un-judicious use of insecticide, unemployment, lack of knowledge of drudgery reduction implements & tools | Introduction of new varieties Balance use of fertilizer Employment generation Introduction of crossbred animals |

Priority / Thrust areas

| S. No. | Particulars |
|--------|--|
| 1. | Early maturing & stress tolerant varieties of major crops |
| 2. | Technologies of crop cultivation & protection during dry spell condition in kharif |
| 3. | Production & utilization of farm waste for organic manuring to improve soil health |
| 4. | Crop diversification |
| 5. | Entrepreneurship development among the rural youth |
| 6. | Drudgery reduction in farm women |
| 7. | Breed improvement in livestock |
| 8. | Feasible soil and water conservation techniques & NRM |

TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

| OFT | | FLD and CFLD | |
|----------------|-------------------|----------------|-------------------|
| 1 | | 2 | |
| Number of OFTs | Number of Farmers | Number of FLDs | Number of Farmers |
| 18 | 90 | 18 | 180 |

| Training | | Extension Activities | |
|-------------------|------------------------|----------------------|------------------------|
| 3 | | 4 | |
| Number of Courses | Number of Participants | Number of activities | Number of participants |
| 26 | 3000 | 20 | 3000 |

| Seed Production (Qtl.) | Planting material (Nos.) |
|------------------------|--------------------------|
| 200 | 1000 |

B. Abstract of interventions to be undertaken

| S. No. | Thrust area | Crop/ Enterprise | Identified Problem | Interventions | | | | | |
|--------|-------------|------------------|--------------------|---------------------|---------------------|--------------------------|--|----------------------|--|
| | | | | Title of OFT if any | Title of FLD if any | Title of Training if any | Title of training for extension personnel if any | Extension activities | Supply of seeds, planting materials etc. |
| 1 | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

Technologies to be assessed

A.1 Abstract on the number of technologies to be assessed in respect of crops

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
|----------------|---------|----------|--------|------------------|------------|--------|--------|------------------|-------------|-------|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| TOTAL | | | | | | | | | | |

Abstract on the number of technologies to be assessed in respect of livestock/enterprises

| Thematic areas | Cattle | Poultry | Sheep | Goat | Piggery | Rabbitary | Fisheries | TOTAL |
|----------------|--------|---------|-------|------|---------|-----------|-----------|-------|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| TOTAL | | | | | | | | |

Details of On Farm Trial (OFT)

OFT-1

| | |
|---|----------------|
| Crop / Enterprise | |
| Title of on farm trial | |
| Problem diagnosed | |
| Farmers' Practices | |
| Details of technologies selected for assessment | T ₁ |
| | T ₂ |
| Source of technology | |
| Plot size | |
| No. of farmers | |
| Total cost | |
| Critical input | |
| Performance indicators: (i) Technical- yield (q/ ha) Economic (ii) Social – Employment generation | |

2.1 Information about OFT:

| | |
|---|--|
| Title of on-farm trial: 1 | Assessment of Organic nutrient management in Soybean |
| Year/Season: | Kharif 2022 |
| Farming situation: | Irrigated |
| Problem diagnosis: | Low yield due to poor soil health |
| Thematic area: | Organic Farming |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- NPKSZn- 20:60:20:20:5 kg/ha |
| T2 –Recommended Practice- | T2- NPK 50% (10:30:15) + 1t vermicompost |
| T3- Recommended Practice- | T3- Organic 100% - 2t vermicompost + Consortium 2 Ltr/ha. |
| Date of sowing: | 28.06.2022 |
| Date of harvesting: | 15.10.2022 |
| Source of technology: | IISS/RVSKVV 2011 |
| Characteristics of technology: | Remunerative, Sustainable |
| Name of Crop/Enterprises: | Soybean |
| Recommendations for Farmers | INM & Organic practices are feasible and eco friendly |
| Recommendations for Deptt. Personnel | INM & Organic practices are feasible and eco friendly |
| Feedback | Farmer accepted all treatment as per availability of input |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result (Yield q/ha.) | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|--------------------------|--------------------------------------|----------------------|-------------------------------------|------------------------------|----------------------------|--|
| T1 (Farmers Practice) | No. of pods - 24.3 | 16.60 | 31825 | 80200 | 48375 | 2.52 |
| T2(Recommended Practice) | No. of pods - 29.4 | 17.10 | 33385 | 85800 | 52415 | 2.57 |
| T3(Recommended Practice) | No. of pods - 31.2 | 17.25 | 33524 | 87500 | 53976 | 2.61 |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 2 | Assessment of Natural farming in Maize |
| Year/Season: | Kharif 2022 |
| Farming situation: | Irrigated |
| Problem diagnosis: | High production cost due to chemical fertilizer |
| Thematic area: | Natural Farming |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Application of chemical fertilizer as basal dose NPK-80:40:30 |
| T2 –Recommended Practice- | T2- Seed Treatment with beejaamrit, Application of Ghan Jeewamrit@1000Kg/ha in two equal Split on the day of sowing and at 30 DAS thoroughly mixed to soil through intercultural, Mulching with crop residues @ 5 t/ha. After inter culture and soil dreching of cow urine (50%) + Jiwaamrit (100%) - 5 times @ 500 l/ha. At every 21 Days interval from 21 to 105 Days crop stage |
| T3- Recommended Practice- | - |
| Date of sowing: | 03.07.2022 |
| Date of harvesting: | 15.10.2022 |
| Source of technology: | UASD 2022 |
| Characteristics of technology: | Reduction of input cost, Application of Jeewamrit will improve the soil health, Low cast, ecofriendly |
| Name of Crop/Enterprises: | Natural Farming |
| Recommendations for Farmers | Natural Farming practices are feasible and eco friendly |
| Recommendations for Deptt. Personnel | Natural Farming practices are feasible and eco friendly |
| Feedback | Farmer accepted Natural Farming practices in light soil |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result (Yield q/ha.) | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|-----------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | No. of cobs 1.25 | 32.50 | 23726 | 50300 | 26574 | 2.12 |
| T2(Recommended Practice) | No. of cobs 1.36 | 36.25 | 22022 | 57700 | 35678 | 2.62 |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 3 | Assessment of Organic nutrient management in Onion |
| Year/Season: | Kharif , 2022 |
| Farming situation: | Rainfed |
| Problem diagnosis: | Low yield due to poor soil health |
| Thematic area: | SFM |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- NPKS- 100:60:60:40 Kg/ha |
| T2 –Recommended Practice- | T2- NPK 50% (50:30:30) + 5t vermicompost |
| T3- Recommended Practice- | T3- Organic 100% - 10t vermicompost + Consortium 2 l/ha. |
| Date of sowing: | 25.08.2022 |
| Date of harvesting: | 10.12.2022 |
| Source of technology: | RVSKVV 2011 |
| Characteristics of technology: | Remunerative, Sustainable |
| Name of Crop/Enterprises: | Onion |
| Recommendations for Farmers | INM & Organic practices are feasible and eco friendly |
| Recommendations for Deptt. Personnel | INM & Organic practices are feasible and eco friendly |
| Feedback | Farmer accepted all treatment as per availability of input |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter (Weight of bulb g) | Result (Yield q/ha.) | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|--|-----------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | 52 | 126 | 61000 | 251320 | 190320 | 4.12 |
| T2(Recommended Practice) | 74 | 131 | 86000 | 370660 | 284660 | 4.31 |
| T3(Recommended Practice) | 76 | 145 | 88000 | 381040 | 293040 | 4.33 |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 4 | Assessment of bio decomposer for farm waste decomposition |
| Year/Season: | Rabi , 2022-23 |
| Farming situation: | Rainfed |
| Problem diagnosis: | Farm waste requires longer period of decomposition |
| Thematic area: | Organic Farming |
| No of trials: | 10 |
| No. of farmers involved | 10 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Open pit |
| T2 –Recommended Practice- | T2- vermicompost pit |
| T3- Recommended Practice- | T3- Bio decomposer (5 ml/ltr) |
| Date of sowing: | 15.12.2022 |
| Date of harvesting: | |
| Source of technology: | JNKVV 2018 |
| Characteristics of technology: | The bio agent used as decomposer will enhance the process of decomposition the farm waste. Low cast, ecofriendly |
| Name of Crop/Enterprises: | |
| Recommendations for Farmers | |
| Recommendations for Deptt. Personnel | |
| Feedback | |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result (Yield q/ha.) | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|-----------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | | | | | | |
| T2(Recommended Practice) | Awaited | Awaited | Awaited | Awaited | Awaited | Awaited |
| T3(Recommended Practice) | | | | | | |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 5 | Assessment of Integrated disease management of Tomato |
| Year/Season: | Kharif 2022 |
| Farming situation: | Irrigated |
| Problem diagnosis: | Low yield due to insect |
| Thematic area: | HOV |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Use of insecticide |
| T2 –Recommended Practice- | T2- Use of neem khali 250 kg/ha. + 2 spray neem extract (1500 ppm) + feromane trap (5 No./ha.) + Yellow strip board (20 No./ha.) |
| T3- Recommended Practice- | T3- Spray of thiomithaxam 18.5 EC + Fungicide Chlorotheloni 2 gm/ltr. + Sulphur 2 gm/ltr Of water |
| Date of sowing: | 05.08.2022 |
| Date of harvesting: | Continue |
| Source of technology: | IARI 2011 |
| Characteristics of technology: | Remunerative, Sustainable |
| Name of Crop/Enterprises: | Tomato |
| Recommendations for Farmers | Use of neem khali 250 kg/ha. + 2 spray neem extract (1500 ppm) + feromane trap (5 No./ha.) + Yellow strip board (20 No./ha.) |
| Recommendations for Deptt. Personnel | Use of neem khali 250 kg/ha. + 2 spray neem extract (1500 ppm) + feromane trap (5 No./ha.) + Yellow strip board (20 No./ha.) |
| Feedback | - |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result (Yield q/ha.) | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|-----------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | | | | | | |
| T2(Recommended Practice) | Awaited | Awaited | Awaited | Awaited | Awaited | Awaited |
| T3(Recommended Practice) | | | | | | |

2.1 Information about OFT:

| | |
|---|--|
| Title of on-farm trial: 6 | Assessment of improved variety with control of flowering drop in chilli |
| Year/Season: | Kharif 2022 |
| Farming situation: | Rainfed |
| Problem diagnosis: | Low yield due to local variety and no use of PGR |
| Thematic area: | IV |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Local |
| T2 –Recommended Practice- | T2- Solan Bharpur + NAA @ 50 ppm |
| T3- Recommended Practice- | T3- Kashi Ratna + NAA @ 50 ppm |
| Date of sowing: | 14.08.2022 |
| Date of harvesting: | Continue |
| Source of technology: | IIVR 2018 & Solan HP 2018 |
| Characteristics of technology: | High yielding, economically |
| Name of Crop/Enterprises: | Chilli |
| Recommendations for Farmers | Kashi Ratna + NAA @ 50 ppm |
| Recommendations for Deptt. Personnel | Kashi Ratna + NAA @ 50 ppm |
| Feedback | - |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result (Yield q/ha.) | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|-----------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | | | | | | |
| T2(Recommended Practice) | Awaited | Awaited | Awaited | Awaited | Awaited | Awaited |
| T3(Recommended Practice) | | | | | | |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 7 | Assessment of Improved Varieties of Green Gram . |
| Year/Season: | Kharif 2022 |
| Farming situation: | Rainfed, Medium rainfall medium black soil with proper drainage system |
| Problem diagnosis: | Low yield, non availability of synchronous variety , non availability of YMV resistant |
| Thematic area: | Varietal evaluation |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Pusa Besakhi |
| T2 –Recommended Practice- | T2- Virat |
| T3- Recommended Practice- | T3- Shikha |
| Date of sowing: | 18.07.2022 |
| Date of harvesting: | 25.09.2022 |
| Source of technology: | IARI 2016 |
| Characteristics of technology: | Early, high yielding ,resistance to YMV, synchronous Maturity |
| Name of Crop/Enterprises: | Green Gram |
| Recommendations for Farmers | Improved variety Shikha of Green Gram Suitable for Farmers |
| Recommendations for Deptt. Personnel | Improved variety Shikha of Green Gram Suitable for Farmers |
| Feedback | Remunerative, Sustainable |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result Yield kg/ha | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|---------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | Yield (kg/h) | 420 | 12600 | 29820 | 17220 | 2.3 |
| T2(Recommended Practice) | Yield (kg/h) | 560 | 13100 | 39760 | 26600 | 3.0 |
| T3(Recommended Practice) | Yield (kg/h) | 610 | 13100 | 43310 | 30210 | 3.3 |

2.1 Information about OFT:

| | |
|---|--|
| Title of on-farm trial: 8 | Assessment of Improved Varieties of Soybean Variety RVS 24 |
| Year/Season: | Kharif 2022 |
| Farming situation: | Rainfed, Medium rainfall medium black soil with proper drainage system |
| Problem diagnosis: | Low yield, non availability of YMV resistant & non availability of early medium variety |
| Thematic area: | IV |
| No of trials: | 05 |
| No. of farmers involved | 05 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- JS 9560 |
| T2 –Recommended Practice- | T2- JS 2034 |
| T3- Recommended Practice- | T3- RVS 24 |
| Date of sowing: | 01.07.2022 |
| Date of harvesting: | 11.10.2022 |
| Source of technology: | RVSKVV, 2017 |
| Characteristics of technology: | Early, medium yielding ,resistance to YMV, synchronous Maturity |
| Name of Crop/Enterprises: | Soybean |
| Recommendations for Farmers | Improved variety of Soybean RVS 24 Suitable for Rajgarh district |
| Recommendations for Deptt. Personnel | Improved variety of Soybean RVS 24 Suitable for Rajgarh district |
| Feedback | Remunerative, Sustainable |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|----------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | Seed Yield (kg/ha) | 1660 | 32400 | 64740 | 32340 | 1.99 |
| T2(Recommended Practice) | Seed Yield (kg/ha) | 1790 | 33600 | 69810 | 36210 | 2.07 |
| T3(Recommended Practice) | Seed Yield (kg/ha) | 1810 | 33600 | 70590 | 36990 | 2.10 |

2.1 Information about OFT:

| | |
|---|--|
| Title of on-farm trial: 9 | Assessment of medicinal crop Tulsi (<i>Ocimum basilicum</i>) |
| Year/Season: | Kharif 2022 |
| Farming situation: | Rainfed, Medium rainfall medium black soil with proper drainage system |
| Problem diagnosis: | Less net return of kharif crops |
| Thematic area: | Crop diversification |
| No of trials: | 05 |
| No. of farmers involved | 05 |
| Type of OFT (Assessment/Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Soybean - Wheat |
| T2 –Recommended Practice- | T-2 Tulsi - Wheat |
| Date of sowing: | T1- 02.07.2022 / 22.11.2022 T2- 15.07.2022 / 20.12.2022 |
| Date of harvesting: | T1- 12.10.2022 –to be harvested T2 – 10.12.2022 - to be harvested |
| Source of technology: | JNKVV 2012 |
| Characteristics of technology: | Resource conservative and higher net return |
| Name of Crop/Enterprises: | Tulsi |
| Recommendations for Farmers | - |
| Recommendations for Deptt. Personnel | - |
| Feedback | - |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|--------------------------|--------------------------------------|-----------------------|-------------------------------------|------------------------------|----------------------------|--|
| T1 (Farmers Practice) | Seed Yield | | | | | |
| T2(Recommended Practice) | Seed Yield | Result Awaited | Result Awaited | Result Awaited | Result Awaited | Result Awaited |
| T3(Recommended Practice) | Seed Yield | | | | | |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 10 | Assessment of insecticides for stem fly management in soybean |
| Year/Season: | Kharif 2022 |
| Farming situation: | Rainfed, Medium rainfall medium black soil with proper drainage system |
| Problem diagnosis: | Low productivity due to infestation of stem fly in soybean |
| Thematic area: | Insect pest management |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T-1 Profenophos 40% @ 1000 ml ai/ha at 18 DAS |
| T2 –Recommended Practice- | T-2 Foliar spray of Lembacyhalothrin 4.9 SC @ 300 g/ha at 25 DAS |
| T3- Recommended Practice- | T3- Foliar spray of Lembacyhalothrin 9.6 + thiomethoxam 12.6 @ 125 ml/ha at 25 DAS |
| Date of sowing: | 02.07.2022 |
| Date of harvesting: | 12.10.2022 |
| Source of technology: | IISR 2016 |
| Characteristics of technology: | Control of stem fly |
| Name of Crop/Enterprises: | Soybean |
| Recommendations for Farmers | Foliar spray of Lembacyhalothrin 9.6 + thiomethoxam 12.6 @ 125 ml/ha at 25 DAS are feasible to control stem fly |
| Recommendations for Deptt. Personnel | Foliar spray of Lembacyhalothrin 9.6 + thiomethoxam 12.6 @ 125 ml/ha at 25 DAS are feasible to control stem fly |
| Feedback | Farmer accepted T3 as stem fly management |

Result : (Economic Performance of OFT)

| Details of technology | Parameter Name and Unit of Parameter | Result (Yield q/ha.) | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|-----------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | No. of infested plant/m ² - 12 | 15.10 | 31900 | 81400 | 49500 | 2.55 |
| T2(Recommended Practice) | No. of infested plant/m ² - 8 | 16.80 | 32600 | 86350 | 53750 | 2.64 |
| T3(Recommended Practice) | No. of infested plant/m ² - 1 | 18.25 | 33100 | 92200 | 59100 | 2.78 |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 11 | Assessment of Improved variety of Coriander |
| Year/Season: | Rabi 2022-23 |
| Farming situation: | Rainfed |
| Problem diagnosis: | Low yield due to local variety & Frost susceptible |
| Thematic area: | IV |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Local |
| T2 –Recommended Practice- | T2- Ajmer Dhaniya 2 + Seed Treatment (Tricoderma @ 5gm/kg seed + PSB & Azetobactor |
| T3- Recommended Practice- | T3- RCr 436 + Seed Treatment (Tricoderma @ 5gm/kg seed + PSB & Azetobactor |
| Date of sowing: | 20.11.2022 |
| Date of harvesting: | Awaited |
| Source of technology: | ICAR - NRC of seed spices, Ajmer 2012 |
| Characteristics of technology: | High yielding, Frost resistant & Stem gall resistant |
| Name of Crop/Enterprises: | Coriander |
| Recommendations for Farmers | - |
| Recommendations for Deptt. Personnel | - |
| Feedback | - |

Result : (Economic Performance of OFT)

| Details of technology | Name of Parameter | Unit of Parameter Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|--------------------------|-------------------|-----------------------------------|-------------------------------------|------------------------------|----------------------------|--|
| T1 (Farmers Practice) | | | | | | |
| T2(Recommended Practice) | Awaited | Awaited | Awaited | Awaited | Awaited | Awaited |
| T3(Recommended Practice) | | | | | | |

2.1 Information about OFT:

| | |
|---|--|
| Title of on-farm trial: 12 | Assessment of Integrated disease management in Garlic |
| Year/Season: | Rabi 2022-23 |
| Farming situation: | Rainfed |
| Problem diagnosis: | Low yield due to high infestation of purple blotch |
| Thematic area: | IDM |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/Refinement): | Assessment |

| | |
|---|--|
| Refinement): | |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1 : use of insecticide |
| T2 –Recommended Practice- | T2- Use of neem khali 250 kg/ha. + spray of trichoderma 5 ml/ltr + Yellow strip board (20 No./ha.) |
| T3- Recommended Practice- | T3 : - Spray of imedacloprd .5 ml/ltr. + Fungicide Tebuconazoal @ 2 gm/ltr of water + Sulphur @ 2 gm/ltr of water |
| Date of sowing: | 03.11.2022 |
| Date of harvesting: | Awaited |
| Source of technology: | NRC of Onion & Garlic Puna MH 2011 |
| Characteristics of technology: | High yielding, economically viable |
| Name of Crop/Enterprises: | Garlic |
| Recommendations for Farmers | - |
| Recommendations for Deptt. Personnel | - |
| Feedback | - |

Result : (Economic Performance of OFT)

| Details of technology | Name of Parameter | Unit of Parameter Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|--------------------------|---------------------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | | | | | | |
| T2(Recommended Practice) | Awaited | Awaited | Awaited | Awaited | Awaited | Awaited |
| T3(Recommended Practice) | | | | | | |

2.1 Information about OFT:

| | |
|---|--|
| Title of on-farm trial: 13 | Assessment of improved variety in Mustard |
| Year/Season: | Rabi 2022-23 |
| Farming situation: | irrigated |
| Problem diagnosis: | Low yield due to lac of improved variety |
| Thematic area: | IV |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1- Jawahar mustard – 2 |
| T2 –Recommended Practice- | T2- RH 749 |
| T3- Recommended Practice- | T3- PM 31 |
| Date of sowing: | 15.10.2022 |
| Date of harvesting: | Yet to be Harvested |
| Source of technology: | IARI Pusa 2018 |
| Characteristics of technology: | High yielding double zero line, early maturity, resistant to white rust and stem rote |
| Name of Crop/Enterprises: | Mustard |
| Recommendations for Farmers | PM 31 like by farmers for both yield and oil quality |
| Recommendations for Deptt. Personnel | PM 31 like by farmers for both yield and oil quality |
| Feedback | PM 31 one of the best variety 009 and higher seed yield |

Result : (Economic Performance of OFT)

| Details of technology | Name of Parameter No of Seliqua/plant | Unit of Parameter Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|--|---|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | 60 | 18.3 | 20300 | 95160 | 74860 | 4.68 |
| T2(Recommended Practice) | 74 | 22.6 | 21675 | 117520 | 95845 | 5.41 |
| T3(Recommended Practice) | 82 | 26.4 | 22100 | 13280 | 115180 | 6.21 |

2.1 Information about OFT:

| | |
|---|--|
| Title of on-farm trial: 14 | Assessment of improve variety of Lentil crop. |
| Year/Season: | Rabi 2022-23 |
| Farming situation: | irrigated |
| Problem diagnosis: | Low yield due to lac of high yielding variety & technology. |
| Thematic area: | IV |
| No of trials: | 5 |
| No. of farmers involved | 5 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T1-JL-3 |
| T2 –Recommended Practice- | T2-Kota -1 |
| T3- Recommended Practice- | T3-RVL 31 |
| Date of sowing: | 08.11.2022 |
| Date of harvesting: | 20.02. to 06.03.2023 |
| Source of technology: | RVSKVV |
| Characteristics of technology: | Bold Seeded urly matural recomedaded for rainfeed condition |
| Name of Crop/Enterprises: | Wheat |
| Recommendations for Farmers | Good Yield bold seeded and hight yield |
| Recommendations for Deptt. Personnel | |
| Feedback | Good Variety for rained |

Result : (Economic Performance of OFT)

| Details of technology | Name of Parameter No. of Branchess/plant | Unit of Parameter Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|---|---|--|---|---|---|
| T1 (Farmers Practice) | 22 | 8.6 | 18600 | 47300 | 28700 | 2.54 |
| T2(Recommended Practice) | 30 | 12.8 | 19500 | 70600 | 50900 | 3.61 |
| T3(Recommended Practice) | 35 | 15.3 | 19500 | 84150 | 64650 | 4.31 |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 15 | Assessment of medicinal crop Kalonji (<i>Nigella sativa</i>) |
| Year/Season: | 2022-23 Rabi |
| Farming situation: | Irrigated |
| Problem diagnosis: | Low net return from rabi crops wheat/gram |
| Thematic area: | Crop diversification |
| No of trials: | 05 |
| No. of farmers involved | 05 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | T-1 Soybean - Wheat |
| T2 –Recommended Practice- | T2- Soybean - Kalonji |
| T3- Recommended Practice- | |
| Date of sowing: | 08.11.2022 |
| Date of harvesting: | Yet to be harvested |
| Source of technology: | JNKVV 2014 |
| Characteristics of technology: | Resource conservative and high net return |
| Name of Crop/Enterprises: | Kalonji |
| Recommendations for Farmers | |
| Recommendations for Deptt. Personnel | |
| Feedback | |

Result : (Economic Performance of OFT)

| Details of technology | Name of Parameter | Unit of Parameter Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|------------------------------|--------------------------|---------------------------------------|--|-------------------------------------|-----------------------------------|---|
| T1 (Farmers Practice) | | | | | | |
| T2(Recommended Practice) | | Awaited | Awaited | Awaited | Awaited | Awaited |

2.1 Information about OFT:

| | |
|--|---|
| Title of on-farm trial: 16 | Assessment of insecticides for root aphid management in wheat |
| Year/Season: | Rabi 2022-23 |
| Farming situation: | Rainfed |
| Problem diagnosis: | Mortality due to infestation of root aphid in wheat |
| Thematic area: | Insect pest management |
| No of trials: | 05 |
| No. of farmers involved | 05 |
| Type of OFT (Assessment/Refinement): | Assessment |
| Details of technology selected for assessment/ refinement: | |
| T1 – Farmers Practice- | Chlorpyrphos 20% @ 2000 ml /ha at 18 DAS |
| T2 –Recommended Practice- | Foliar spray of imidacloprid 17.8 @ 150 ml/ha at 25 DAS |
| T3- Recommended Practice- | Foliar spray of thiomethoxam @ 375 g/ha at 25 DAS |
| Date of sowing: | 12.11.2022 |
| Date of harvesting: | Yet to be Harvested |
| Source of technology: | NRCW 2016 |
| Characteristics of technology: | Management of root aphid |
| Name of Crop/Enterprises: | Wheat |
| Recommendations for Farmers | - |
| Recommendations for Deptt. Personnel | - |
| Feedback | - |

Result : (Economic Performance of OFT)

| Details of technology | Name of Parameter | Unit of Parameter Yield kg/ha. | Average Cost of cultivation (Rs/ha) | Average Gross Return (Rs/ha) | Average Net Return (Rs/ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|---------------------------|---------------------------------------|--------------------------------|-------------------------------------|------------------------------|----------------------------|--|
| T1 (Farmers Practice) | No. of infested plants/m ² | | | | | |
| T2(Recommended Practice) | No. of infested plants/m ² | Awaited | Awaited | Awaited | Awaited | Awaited |
| T3 (Recommended Practice) | No. of infested plants/m ² | | | | | |

2.2. Information about Extension OFT:

| | |
|---|--|
| Title | |
| Season & Year | |
| Problem identified | |
| Thematic Area | |
| Farming situation | |
| Name of Technology Intervention under study | |
| Farmers Practice | |
| No. of replication (Farmers) | |

Results / findings

| | |
|------------------------------------|---------------|
| Performance indicators/ parameters | Unit/ details |
| | |

2.3. Information about Home Science OFT:

| | |
|---|---|
| Title of on-farm trial: 17 | Assessment of Navin Seed dibbler for sowing of Maize |
| Year/Season: | Kharif 2022 |
| Problem diagnosis: | High Drudgery low work efficiency |
| Thematic area: | WOE/DR |
| No of trials: | 15 |
| No. of farmers/farm women involved | 15 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment: | |
| T1 – Farmers Practice- | T1 : Use of Cloth bag / basket for seed broadcasting |
| T2 –Recommended Practice- | T2 : - Use of Navin seed dibbler |
| Source of technology: | |
| | CIAE, 2012 |
| Characteristics of technology: | |
| | -Drudgery reducer working capacity enhancer |
| Name of Crop/Enterprises: | |
| | Maize |
| Farming situation: | |
| | Rainfed |
| Date of sowing: | |
| | - |
| Date of harvesting: | |
| | - |
| Recommendations for Farmers | |
| | Naveen seed dibbler should be used for sowing purpose. |
| Recommendations for Deptt. Personnel | |
| | Naveen seed dibbler should be promoted for sowing purpose. |
| Feedback | |
| | Remunerative, Sustainable |

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

| Detail of Technology | Output * | Est. Energy Expenditure kj/min | WHR beat/min | % reduction in drudgery | % increase in efficiency | Cardiac Cost of Work | % Saving of cardiac Cost |
|--|----------|--------------------------------|--------------|-------------------------|--------------------------|----------------------|--------------------------|
| T ₁ (Farmers Practices) | 115 | 7.97 | 105 | - | - | 7.82 | - |
| T ₂ (Recommended Practices) | 145 | 6.54 | 96 | 57.7 | 26 | 3.31 | 57 |

2.3. Information about Home Science OFT: **Replace with New as per SAC Meeting**

| | |
|--|--|
| Title of on-farm trial: | Assessment of Prevalence of Anemia Among rural adolescent girls |
| Year/Season: | Kharif 2022 |
| Problem diagnosis: | Low iron content in diet, Use of traditional diet, Lack of knowledge about nutritional foods, Prevalence of infectious diseases, Poor socio-economic condition |
| Thematic area: | Nutritional security |
| 10 | 10 |
| No. of farmers/farm women involved | 10 |
| Details of technology selected for assessment: | |
| T1 – Farmers Practice- | Traditional practice - Existing dietary pattern |
| T2 –Recommended Practice | Iron tablet / day with existing dietary pattern |
| T3 –Recommended Practice- | Recommended practice - iron tablet / day + 50 gm roasted Soybean + 100 gm Rice flakes / day with existing dietary pattern |
| Source of technology: | KVK Junagadh (2013) |
| Characteristics of technology: | High Nutrient efficient diet |
| Performance of indicators/ parameters: | Body weight, Height, BMI and Hb Level before and after three months practices |
| Recommendations for Farmers | Increase in BMI & Hb level |
| Recommendations for Deptt. Personnel | Increase in BMI & Hb level |
| Feedback | Remunerative, Sustainable |

(A) Economic Performance Home Science OFT: (For Nutrition Security)

| Detail of Technology | Name of Product/ enterprise * | Anthropometric measurements | | | % increase in Hb levels |
|----------------------------|---|---------------------------------|----------------------------------|-------------------|-------------------------|
| | | Average Increase in Weight (Kg) | Average Increase in Height (cm) | % increase in BMI | |
| T1(Farmers Practices) | Existing dietary pattern | 1.5 | 0.7 | 2.14 | 1.5 |
| T2 (Recommended Practices) | Iron tablet / day with existing dietary pattern | 3 | 0.8 | 4.60 | 4.0 |
| T3(Recommended Practices) | Iron tablet / day + 50 gm roasted Soybean + 100 gm Rice flakes /day with existing dietary pattern | 4.5 | 0.8 | 7.00 | 5.0 |

2.3. Information about Home Science OFT:

| | |
|---|--|
| Title of on-farm trial: 19 | Assessment of tubular Maize sheller |
| Year/Season: | Rabi 2022-23 |
| Problem diagnosis: | High Drudgery & reduced work efficiency |
| Thematic area: | WOE/DR |
| No of trials: | 15 |
| No. of farmers/farm women involved | 15 |
| Type of OFT (Assessment/Refinement): | Assessment |
| Details of technology selected for assessment: | |
| T1 – Farmers Practice- | T1 Manual Shelling of maize |
| T2 –Recommended Practice- | T2 : Shelling by tubular maize sheller |
| T3 –Recommended Practice- | |
| Source of technology: | CIAE 2007 |
| Characteristics of technology: | Drudgery reduction & working efficiency enhancer |
| Name of Crop/Enterprises: | Maize Sheller |
| Farming situation: | Rainfed |
| Date of sowing: | - |
| Date of harvesting: | - |
| Recommendations for Farmers | - |
| Recommendations for Deptt. Personnel | - |
| Feedback | - |

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

| Detail of Technology | Output * | Est. Energy Expenditure kj/min | WHR beat/min | % reduction in drudgery | % increase in efficiency | Cardiac Cost of Work | % Saving of cardiac Cost |
|--|----------|--------------------------------|--------------|-------------------------|--------------------------|----------------------|--------------------------|
| T ₁ (Farmers Practices) | | | | | | | |
| T ₂ (Recommended Practices) | | Awaited | Awaited | Awaited | Awaited | Awaited | Awaited |

2.3. Information about Home Science OFT:

| | |
|---|---|
| Title of on-farm trial: 20 | Assessment of Manually Operated Fruit Harvester |
| Year/Season: | Rabi 2022-23 |
| Problem diagnosis: | High Drudgery low work efficiency |
| Thematic area: | WOE/DR |
| No of trials: | 15 |
| No. of farmers/farm women involved | 15 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| Details of technology selected for assessment: | |
| T1 – Farmers Practice- | T1 : Picking of fruit by climbing on the trees |
| T2 –Recommended Practice- | T2 : - Fruit harvester |
| T3 –Recommended Practice- | |
| Source of technology: | Dr. BSKKV, 2011 |
| Characteristics of technology: | -Drudgery reducer working capacity enhancer |
| Name of Crop/Enterprises: | Fertilizer Broad Caster |
| Farming situation: | Irrigated |
| Date of sowing: | - |
| Date of harvesting: | - |
| Recommendations for Farmers | - |
| Recommendations for Deptt. Personnel | - |
| Feedback | - |

(A) Economic Performance Home Science OFT: **(For Drudgery Reduction)**

| Detail of Technology | Output * | Est. Energy Expenditure kj/min | WHR beat/min | % reduction in drudgery | % increase in efficiency | Cardiac Cost of Work | % Saving of cardiac Cost |
|--|----------|--------------------------------|--------------|-------------------------|--------------------------|----------------------|--------------------------|
| T ₁ (Farmers Practices) | | | | | | | |
| T ₂ (Recommended Practices) | | Awaited | Awaited | Awaited | Awaited | Awaited | Awaited |

2.1 Information about OFT:

| | |
|--|---|
| Title of on-farm trial: 21 | Assessment of Rain-water management for teak (<i>Tectona grandis</i> Linn, f.), mango (<i>Mangifera indica</i> Linn.) and neem (<i>Azadirachta indica</i> A. Juss) in arid and semi-arid regions |
| Year/Season: | Kharif , 2022 |
| Farming situation: | Rainfed |
| Problem diagnosis: | Low water availability |
| Thematic area: | ITK Rain water management |
| No of trials: | 10 |
| No. of farmers involved | 10 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| T1 – Farmers Practice- | T1 : Conventional basin method |
| T2 –Recommended Practice- | T2 : Micro-depressions around the basin of the plant |
| Date of sowing: | - |
| Date of harvesting: | - |
| Source of technology: | Traditional Knowledge in Agriculture, Page No. 2 code no 105 |
| Characteristics of technology: | There is no practical risk and it is easy to handle, less labour intensive and best suited for trees |
| Name of Crop/Enterprises: | - |
| Recommendations for Farmers | Micro-depressions around the basin is suitable for survival of teak plantation. |
| Recommendations for Deptt. Personnel | Micro-depressions around the basin is suitable for survival of teak plantation. |
| Feedback | Remunerative, ecofriendly & sustainable |

Result : (Economic Performance of OFT)

| Treatment | Moisture content (%) | | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Plant height (cm) |
|---------------------------------------|----------------------|-----|-----------|-----------|-----------|-------------------|
| | December | May | | | | |
| T1 Conventional basin | 21.3 | - | 192 | 14.6 | 366 | 182 |
| T2 Micro-depressions around the basin | 25.6 | - | 198 | 18.3 | 378 | 195 |

2.1 Information about OFT:

| | |
|---|---|
| Title of on-farm trial: 22 | Assessment of Control of shoot and fruit borer through use of tobacco (<i>Nicotiana glauca</i>) soaked water in brinjal (<i>Solanum melongena</i>) |
| Year/Season: | Rabi, 2022-23 |
| Farming situation: | Irrigated |
| Problem diagnosis: | Low yield |
| Thematic area: | ITK Natural Farming |
| No of trials: | 10 |
| No. of farmers involved | 10 |
| Type of OFT (Assessment/Refinement): | Assessment |
| T1 – Farmers Practice- | T1 : Chemical control method (Fipronil 5%SC) |
| T2 –Recommended Practice- | T2 : Spray of tobacco soaked in water in the ratio of 1 : 10 overnight |
| Date of sowing: | - |
| Date of harvesting: | - |
| Source of technology: | Traditional Knowledge in Agriculture Code 1417, PP 17 |
| Characteristics of technology: | Low cost, Ecofriendly, Easy to use. |
| Name of Crop/Enterprises: | |
| Recommendations for Farmers | Spray of tobacco soaked in water in the ratio of 1 : 10 overnight at par chemical |
| Recommendations for Deptt. Personnel | Spray of tobacco soaked in water in the ratio of 1 : 10 overnight at par chemical |
| Feedback | Remunerative, ecofriendly & sustainable |

Result : (Economic Performance of OFT)

| Treatment | Yield (q/ha.) | No of insect infestation in shoot (m2) | Net return Rs/ha |
|--|---------------|--|------------------|
| T1 Chemical control method | 264 | 7.3 | 86000 |
| T2 Spray of tobacco soaked in water in the ratio of 1 : 10 overnight | 258 | 7.6 | 81000 |

2.1 Information about OFT:

| | |
|--|---|
| Title of on-farm trial: 23 | Assessment of <i>Guddeli</i> to uproot ginger |
| Year/Season: | Kharif , 2022 |
| Farming situation: | Irrigated |
| Problem diagnosis: | High drudgery |
| Thematic area: | ITK Farm Implement |
| No of trials: | 10 |
| No. of farmers involved | 10 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| T1 – Farmers Practice- | T1 : Harvesting with sickle |
| T2 –Recommended Practice- | T2 : Harvesting with <i>Guddeli</i> |
| Date of sowing: | - |
| Date of harvesting: | - |
| Source of technology: | Traditional Knowledge in Agriculture, Code 2132, PP 21 |
| Characteristics of technology: | Low cost, Ecofriendly, Easy to use. |
| Name of Crop/Enterprises: | - |
| Recommendations for Farmers | Harvesting with <i>Guddeli</i> |
| Recommendations for Deptt. Personnel | Harvesting with <i>Guddeli</i> |
| Feedback | Remunerative, ecofriendly & sustainable |

Result : (Economic Performance of OFT)

| Treatment | Cost of operation (Rs/ha.) | Percent Change | Energy expenditure (Mj/ha.) | Percent Change |
|-----------------------------------|-------------------------------|----------------|--------------------------------|----------------|
| T1 Harvesting with sickle | 15100 | 12.68 | 1260 | 29.89 |
| T2 Harvesting with <i>Guddeli</i> | 13400 | | 970 | |

2.1 Information about OFT:

| | |
|--|--|
| Title of on-farm trial: 24 | Assessment of Control of FMD in cattle with camphor |
| Year/Season: | Kharif , 2022 |
| Farming situation: | Irrigated |
| Problem diagnosis: | FMD in cattle |
| Thematic area: | ITK Animal Science |
| No of trials: | 10 |
| No. of farmers involved | 10 |
| Type of OFT (Assessment/ Refinement): | Assessment |
| T1 – Farmers Practice- | T1 : allopathic medicine (Streptopenicillin) |
| T2 –Recommended Practice- | T2 : Cattle walk in sandy soils + washed with hot water + 2 pieces of camphor + 10 ml coconut oil Mouth : Roasted brinjal + pure ghee |
| Date of sowing: | - |
| Date of harvesting: | - |
| Source of technology: | Traditional Knowledge in Agriculture Code 1588, PP 26 |
| Characteristics of technology: | Low cost, Ecofriendly, Easy to use. |
| Name of Crop/Enterprises: | - |
| Recommendations for Farmers | Cattle walk in sandy soils + washed with hot water + 2 pieces of camphor + 10 ml coconut oil Mouth : Roasted brinjal + pure ghee |
| Recommendations for Deptt. Personnel | Cattle walk in sandy soils + washed with hot water + 2 pieces of camphor + 10 ml coconut oil Mouth : Roasted brinjal + pure ghee |
| Feedback | Remunerative, ecofriendly & sustainable |

Result : (Economic Performance of OFT)

| Treatment | Cost of treatment (Rs/Animal) | Recovery rate (%) | Recovery period (Days) |
|--|-------------------------------|-------------------|------------------------|
| T1 Allopathic medicine (Streptopenicillin) | 290 | 88 | 7 |
| T2 Hooves: Cattle walk in sandy soils + washed with hot water + 2 pieces of camphor + 10 ml coconut oil Mouth : Roasted brinjal + pure ghee | 66 | 88 | 8 |

Frontline Demonstrations

Frontline Demonstrations

Details of FLDs organized (Based on soil test analysis)

| KVK Name | Year | Season | Thematic area | Technology demonstrated | Crop Category | Name of Crop | Name of Variety | Farming Situation (rainfed/irrigated/semi-irrigated) | Completed /Ongoing | Crop-Area (ha) | Results (q/ha) | | % change | No. of farmers | | | | |
|----------|------|--------|---------------|---|---------------|--------------|------------------|--|--------------------|----------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| Rajgarh | 2022 | Khari | SFM | Targeted yield equation Target Yield-20 q/ha, FN- 5.19T - 0.48 SN, FP2O5- 5.2 T - 4.1 SP, FK2O- 3.9 T - 0.22 SK NPKSZn-30:60:20:20:5 | Oilseed | Soybean | JS 2034 | rainfed | Completed | 2 | 13.90 | 15.10 | 8.63 | 3 | 1 | 1 | - | 5 |
| Rajgarh | 2022 | Khari | INM | Demonstration of Integrated Nutrient management in Hybrid Maize NPK- 120:60:40 | Cereal | Maize | PQM-1 | rainfed | Completed | 2 | 32.10 | 35.80 | 11.52 | 1 | - | 1 | 3 | 5 |
| Rajgarh | 2022 | Khari | ICM | * First spray GA3 10 PPM + Urea 1 % at the Time of flowering * Secound Spray 2,4-D 15 PPM + Carbandazim 1000 PPM + urea 1 % are month after fruit set when the fruit size reaches pea size 8-00 mm * Third spray GA3 10 PPM + KN03 1% two month after fruit set fruit size 18-20 mm | Fruits | Mandarin | Nagpuri Mandarin | rainfed | On going | 2 | - | - | - | 2 | - | 1 | 2 | 5 |
| Rajgarh | 2022 | Khari | IV | Demonstration on improved variety of Ginger With Seed treatment | Spices | Ginger | Suprabha | rainfed | Completed | 2 | 152 | 194 | 27.63 | 1 | 1 | 2 | 1 | 5 |
| Rajgarh | 2022 | Khari | IV | Demonstration on improved variety of Turmeric With Seed treatment | Spices | Turmeric | Roma | rainfed | Completed | 2 | 202 | 256.6 | 27.02 | 2 | 1 | - | 2 | 5 |
| Rajgarh | 2022 | Khari | IV | IV- PU10 seed + Seed treatment with Carbendazim + Mencozeb + rhizobium, PSB +RDF+A. Molybdate + Swing on R & F with N.P.K.S. 20:50:20:20 on STV based kg./ha + Imazathypar @500 ml. At 20 DAS+ Chloentra niliprol @ 100 ml / ha. | Pulse | Urd | Pratap-1 | rainfed | Completed | 2 | 5.6 | 7.2 | 28.57 | 3 | 1 | 1 | - | 5 |
| Rajgarh | 2022 | Khari | IV | IV RVS 2001-4 seed + Seed treatment with Carbendazim + Mencozeb + rhizobium, PSB +RDF+A. Molybdate + Swing on R & F with N.P.K.S. 20:50:20:20 on STV based kg./ha + Imazathypar @500 ml. At 20 DAS+ Chloentra niliprol @ 100 ml / ha. | Oilseed | Soybean | RVS 2001-4 | rainfed | Completed | 2 | 15.4 | 19.6 | 27.27 | 1 | 1 | 2 | 1 | 5 |
| Rajgarh | 2022 | Khari | ICM | Foliar application of NPK 19:19:19 @ 2 % at Pod filling stage | Oilseed | Soybean | RVS-24 | rainfed | Completed | 2 | 15.4 | 19.6 | 27.27 | 1 | 1 | 2 | 1 | 5 |

| | | | | | | | | | | | | | | | | | | |
|---------|----------|------|----------------------|---|----------------|------------|--------------------|-----------|---------|---|------|------|-------|---|---|---|---|---|
| Rajgarh | 20-22-23 | Rabi | INM | Ammonium Molybdate 1g/kg seed + Bio-fertilizer 5 g/kg of seed + RDF (20:60:20 NPK kg/ha) | Pulses | Lentil | RVL 31 | irrigated | Ongoing | 4 | - | - | - | 2 | - | 1 | 2 | 5 |
| Rajgarh | 20-22-23 | Rabi | INM | Target Yield- 50 q/ha FN-4.40T - 0.40 SN, FP2O5- 4.00T - 4.58 SP, FK2O- 2.53T - 0.16 SK NPKZn-120:60:40:5 | Cereal | Wheat | Pusa Ujala/HI-1605 | irrigated | Ongoing | 4 | - | - | - | 1 | 1 | 2 | 1 | 5 |
| Rajgarh | 20-22-23 | Rabi | IV | Ajmer dhaniya – 2 & Sulphur @ 20 kg/ha. | Spices | Coriander | Ajmer Dhaniya -2 | irrigated | Ongoing | 2 | - | - | - | 2 | 1 | - | 2 | 5 |
| Rajgarh | 20-22-23 | Rabi | IV | Demonstration on IV & Seedling treatment | Vegetable | Onion | Onion | irrigated | Ongoing | 2 | - | - | - | 2 | - | 2 | 1 | 5 |
| Rajgarh | 20-22-23 | Rabi | Weed management | T2-Sulphosulfuron 75% + Methylsulfuron Methyl 5% WG @ 30+2g a.i./ha at 30 DAS | Cereal | Wheat | Pusa Tejas | irrigated | | 2 | 35 | 43 | 22.85 | 0 | 2 | 1 | 2 | 5 |
| | | Rabi | IV | | Pulses | Gram | RVG 204 | irrigated | Ongoing | 2 | 12.6 | 18.3 | 90.1 | 1 | 2 | 1 | 1 | 5 |
| Rajgarh | 20-22-23 | Rabi | Crop Diversification | Demonstration of medicinal crop Chandrsoor | Medicinal Crop | Chandrsoor | Chandrsoor | irrigated | Ongoing | 1 | - | - | - | 2 | - | 2 | 1 | 5 |

Economic Impact of Crop FLD

| KVK Name | Technology demonstrated | Name of Crop/Enterprise | Parameters | | | Average Cost of cultivation (Rs/ha) | | Average Gross Return (Rs/ha) | | Average Net Return (Rs/ha) | | Benefit-Cost Ratio (Gross Return / Gross Cost) | |
|----------|--|-------------------------|----------------------------|----------------------|----------------------|-------------------------------------|----------------------|------------------------------|----------------------|----------------------------|----------------------|--|----------------------|
| | | | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) |
| Rajgarh | Targeted yield equation Target Yield- 20 q/ha, FN- 5.19T - 0.48 SN, FP2O5- 5.2 T - 4.1 SP, FK2O- 3.9 T - 0.22 SK NPKSZn-30:60:20:20:5 | Oilseed | No of pods/plant | 27.3 | 32.7 | 28750 | 31825 | 71500 | 82200 | 42750 | 50375 | 2.48 | 2.58 |
| Rajgarh | Demonstration of Integrated Nutrient management in Hybrid Maize NPK- 120:60:40 | Cereal | No of Cobs/plant | 1.3 | 1.6 | 23726 | 25850 | 51100 | 66200 | 27374 | 40350 | 2.15 | 2.56 |
| Rajgarh | * First spray GA3 10 PPM + Urea 1 % at the Time of flowering * Second Spray 2,4-D 15 PPM + Carbandazim 1000 PPM + urea 1 % are month after fruit set when the fruit size reaches pea size 8-00 mm * Third spray GA3 10 PPM + KN03 1% two month after fruit set fruit size 18-20 mm | Fruits | Fruits Size | - | - | - | - | - | - | - | - | - | - |
| Rajgarh | Demonstration on improved variety of Ginger Variety - Suprabha | Vegetables | No of pods/plant | 7 | 9 | 100000 | 120000 | 456000 | 620800 | 356000 | 500800 | 4.56 | 5.17 |
| | Demonstration on improved variety of Turmeric Variety ROMA | Vegetables | No of pods/plant | 8 | 10 | 100000 | 140000 | 505000 | 769800 | 405000 | 629800 | 5.05 | 5.49 |
| Rajgarh | IV- Pratap urd 1 seed + Seed treatment with Carbendazim + Mencozeb + rhizobium, PSB +RDF+A. Molybdate + Swing on R & F with N.P.K.S. 20:50:20:20 on STV based kg./ha + Imazathypar @500 ml. At 20 DAS+ Chlroentra niliprol @ 100 ml / ha. | Pulse | No of pods/plant | 38 | 56 | 10300 | 11500 | 52150 | 66300 | 41850 | 54800 | 5.06 | 5.76 |

| | | | | | | | | | | | | | |
|---------|--|----------------|----------------------|------|------|-------|-------|-------|--------|-------|-------|------|------|
| Rajgarh | IV- RVS 2001-4 seed + Seed treatment with Carbendazim + Mencozeb + rhizobium, PSB +RDF+A. Molybdate + Swing on R & F with N.P.K.S. 20:50:20:20 on STV based kg./ha + Imazathypar @500 ml. At 20 DAS+ Chloentra niliprol @ 100 ml / ha. | Oilseed | Seed index and yield | 8 | 18 | 38000 | 40000 | 72000 | 100800 | 34000 | 60800 | 1.89 | 2.52 |
| Rajgarh | Foliar application of NPK 19:19:19 @ 2 % at Pod filling stage | Oilseed | Seed index and yield | - | - | - | - | - | - | - | - | - | - |
| Rajgarh | Ammonium Molybdate 1g/kg seed + Bio-fertilizer 5 g/kg of seed + RDF (20:60:20 NPK kg/ha) | Pulses | No of pods/plant | 28.3 | 32.2 | 22300 | 23200 | 61500 | 73200 | 39200 | 50000 | 2.76 | 3.15 |
| Rajgarh | Target Yield- 50 q/ha FN- 4.40T - 0.40 SN, FP205- 4.00T – 4.58 SP, FK20- 2.53T - 0.16 SK NPKZn-120:60:40:5 | Cereal | No of tillers | - | - | - | - | - | - | - | - | - | - |
| Rajgarh | Ajmer dhaniya – 2 & Sulphur @ 20 kg/ha. | Spices | No of umbels | - | - | - | - | - | - | - | - | - | - |
| Rajgarh | NAA @ 1ml /litre and GA 3 @1.5ml /litre of water | Spice | Bulb size | - | - | - | - | - | - | - | - | - | - |
| | Pusa Tejas | Cereal | Wheat | 10 | 22 | 24900 | 26100 | 89200 | 109650 | 64350 | 83550 | 3.58 | 4.20 |
| | RVG 204 | Gram | No of pods/plant | 42 | 64 | 14500 | 18100 | 60480 | 87840 | 45980 | 69380 | 4.17 | 4.87 |
| Rajgarh | T2-Sulphosulfuron 75% + Matsulfuron Methyl 5% WG @ 30+2g a.i /ha at 30 DAS | Cereal | No of weeds | - | - | - | - | - | - | - | - | - | - |
| Rajgarh | Demonstration of medicinal crop Chandrsoor | Medicinal crop | Seed and yield | - | - | - | - | - | - | - | - | - | - |

Economic Performance Home Science FLD: (Drudgery Reduction)

| KVK name | Technology demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | |
|----------|---|-----------------------------------|-----|---------------------------------|------|--------------|----|-------------------------|----|--------------------------|-----|----------------------|------|--------------------------|----|
| | | Output * | | Est. Energy Expenditure kj/min. | | WHR beat/min | | % reduction in drudgery | | % increase in efficiency | | Cardiac Cost of Work | | % Saving of cardiac Cost | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 |
| Rajgarh | Demonstration of Twin Wheel Hand Hoe in Soybean | 75 | 155 | 4.50 | 4.10 | 88 | 83 | - | 52 | - | 106 | 7.05 | 3.40 | - | 52 |

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(C) Economic Performance Home Science FLD: (For INCOME GENERATION)

| Detail of Technology | Composition of product | Production per unit | Average Cost of input (Rs/unit) | Average Gross Return (Rs/unit) | Average Net Return (Rs/unit) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|--|---|---------------------|---------------------------------|--------------------------------|------------------------------|--|
| T ₁ (Farmers Practices) - Nursery raising in flat seed beds T ₂ (Recommended Practices) - Nursery raising in Pro tray filled with mixture of coco pits:Soil:FYM in the ratio of 1:1:2 | Tomato Brinjal Chilli Cauliflower Cabbage | 1000 | 300 | 1000 | 700 | 3.33:1 |

Economic Performance Home Science FLD: (For value addition)

| KVK name | Technology demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | |
|----------|-------------------------|-----------------------------------|----|------------------------------|----|---------------------------------|----|--------------------------------|----|------------------------------|----|--|----|---|--|
| | | Composition of product | | Production per unit (Q/ Lit) | | Average Cost of input (Rs/unit) | | Average Gross Return (Rs/unit) | | Average Net Return (Rs/unit) | | Benefit-Cost Ratio (Gross Return / Gross Cost) | | | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | |
| Rajgarh | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Economic Performance Home Science FLD: (For Nutritional security) Round the year

| Technology demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------------------|-----|---------------|------|--------------|----|-----------|----|--------------|-----|-----------------------------|----|-------------------------|----|--|---|
| | Nutrient Intake (Unit) | | | | | | | | | | Anthropometric measurements | | | | | |
| | Per capita Consumption gm/ day | | Energy (kcal) | | Protein (gm) | | Iron (mg) | | Calcium (mg) | | Increase in Weight (Kg) | | Increase in Height (cm) | | BMI % ((Weight (Kg)/ (Height(in m) * Height(in m)))) | |
| T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | |
| Backyard Nutrition Kitchen Garden | 160 | 240 | - | 1860 | - | 42 | - | 25 | - | 210 | - | 4 | | 3 | - | 5 |

Extension and Training activities under FLDs

| S. No. | Activity | No. of activities | Month | Number of participants |
|--------|--------------------------------------|-------------------|-------|------------------------|
| 1 | Field days | 12 | | 700 |
| 2 | Farmers Training | 20 | | 500 |
| 3 | Media coverage | 24 | | MASS |
| 4 | Training for extension functionaries | 4 | | 100 |

Details of FLD on Enterprises
Farm Implements

| Name of the implement | crop | Season and year | No. of farmers | Area (ha) | Critical inputs | Performance parameters / indicators | * Data on parameter in relation to technology demonstrated | |
|-----------------------|------|-----------------|----------------|-----------|-----------------|-------------------------------------|--|-------------|
| | | | | | | | Demon. | Local check |
| NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

*Field efficiency, labour saving etc.

Livestock Enterprises

| Enterprise | Breed | No. of farmers | No. of animals, poultry birds etc. | Critical inputs | Performance parameters / indicators | * Data on parameter in relation to technology demonstrated | |
|------------|-------|----------------|------------------------------------|-----------------|-------------------------------------|--|-------------|
| | | | | | | Demo. | Local check |
| NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

*Milk production, meat production, egg production, reduction in disease incidence etc.

Other Enterprises

| Enterprise | Variety/ breed/Species /others | No. of farmers | No. of Units/ area | Critical inputs | Performance parameters/ indicators | Data on parameter in relation to technology demonstrated |
|------------|--------------------------------|----------------|--------------------|-----------------|------------------------------------|--|
|------------|--------------------------------|----------------|--------------------|-----------------|------------------------------------|--|

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-------|-------------|
| | | | | | | | Demo. | Local check |
| NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

Cluster Demonstration of Oilseed and Pulses under NFSM (2023-24)

| Sl. No. | Crop | Thematic area | Technology for demonstration | Critical inputs | Season and year | Area (ha) | No. of farmers/ demonstration | Parameters identified |
|---------|------------|---------------|------------------------------|-----------------|-----------------|-----------|-------------------------------|-----------------------|
| 1 | Black Gram | IV | IV+Rh+PSM+Tricho+Vermi | | 2022-23 | 25 | 50 | |
| 2 | Lentil | IV | RVL 31 | | | 20 | 50 | |
| 3 | Soybean | IV | JS 2034 | | | 25 | 50 | |

Extension and Training activities under CFLDs Oilseed and Pulses

| S. No. | Activity | No. of activities | Month | Number of participants |
|--------|--------------------------------------|-------------------|-------|------------------------|
| 1 | Field days | 4 | | 426 |
| 2 | Farmers Training | 20 | | 140 |
| 3 | Media coverage | 5 | | 2000 |
| 4 | Training for extension functionaries | 20 | | 1500 |

Training (Including the sponsored and FLD training programmes):

A) ON Campus

| Thematic Area | No. of Courses | Duration (Days) | No. of Participants | | | | | | | Grand Total |
|---|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|----|-------------|
| | | | Others | | | SC/ST | | | | |
| | | | Male | Female | Total | Male | Female | Total | | |
| (A) Farmers & Farm Women | | | | | | | | | | |
| I Crop Production | | | | | | | | | | |
| Weed Management | 1 | 3 | - | 15 | 15 | - | 10 | 10 | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |
| Water management | 1 | 1 | 23 | 2 | 25 | - | - | - | 25 | |
| Seed production | 1 | 1 | 15 | - | 15 | 8 | 2 | 10 | 25 | |
| Integrated Crop Management | 1 | 1 | 14 | 5 | 19 | 6 | - | 6 | 25 | |
| Total | | | | | | | | | | |
| II Horticulture | | | | | | | | | | |
| a) Vegetable & fruit Crops | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | 1 | 20 | - | 20 | 3 | 3 | 6 | 26 | |
| Total | 1 | 1 | 17 | 1 | 18 | 5 | 3 | 8 | 26 | |
| b) Fruits | | | | | | | | | | |
| Management of young plants/orchards | | | | | | | | | | |
| Total | | | | | | | | | | |
| c) Ornamental Plants | 1 | 1 | 15 | 2 | 17 | 3 | 5 | 8 | 25 | |
| Total | | | | | | | | | | |
| d) Plantation | | | | | | | | | | |

| Thematic Area | No. of Courses | Duration (Days) | No. of Participants | | | | | | Grand Total |
|--|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
| | | | Others | | | SC/ST | | | |
| | | | Male | Female | Total | Male | Female | Total | |
| crops | | | | | | | | | |
| Total | | | | | | | | | |
| e) Tuber crops | | | | | | | | | |
| Total | | | | | | | | | |
| f) Spices | | | | | | | | | |
| Production and Management technology | | | | | | | | | |
| Total | | | | | | | | | |
| g) Medicinal and Aromatic Plants | | | | | | | | | |
| Production and management technology | | | | | | | | | |
| Total | | | | | | | | | |
| Grand total (Horticulture) | | | | | | | | | |
| III Soil Health and Fertility Management | | | | | | | | | |
| Soil fertility management | 1 | 1 | 15 | - | 15 | 8 | 2 | 10 | |
| Soil and Water Conservation | | | | | | | | | |
| Integrated Nutrient Management | 2 | 2 | 36 | 4 | 40 | 10 | - | 10 | |
| Production and use of organic inputs | | | | | | | | | |
| Management of Problematic soils | | | | | | | | | |
| Micro nutrient deficiency in crops | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | |
| Total | | | | | | | | | |
| IV Livestock Production and Management | | | | | | | | | |
| Dairy Management | | | | | | | | | |
| Poultry Management | 2 | 2 | 36 | 4 | 40 | 10 | - | 10 | |
| Disease Management | | | | | | | | | |
| Feed management | | | | | | | | | |
| Production of quality animal products | | | | | | | | | |
| Total | | | | | | | | | |
| V Home Science/Women empowerment | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 2 | 2 | 19 | 8 | 27 | 21 | 2 | 23 | |
| Design and development of low/minimum | 1 | 1 | 17 | - | 17 | 9 | - | 9 | |

| Thematic Area | No. of Courses | Duration (Days) | No. of Participants | | | | | | Grand Total |
|---|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
| | | | Others | | | SC/ST | | | |
| | | | Male | Female | Total | Male | Female | Total | |
| cost diet | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | 1 | 1 | 17 | - | 17 | 7 | | 1 | 8 |
| Minimization of nutrient loss in processing | 1 | 1 | 21 | - | 21 | 6 | | - | 6 |
| Gender mainstreaming through SHGs | | | | | | | | | |
| Value addition | | | | | | | | | |
| Income generation activities for empowerment of rural Women | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | |
| Women and child care | | | | | | | | | |
| Total | | | | | | | | | |
| VI Agril. Engineering | | | | | | | | | |
| Total | | | | | | | | | |
| VII Plant Protection | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | |
| Production of bio control agents and bio pesticides | 1 | 3 | - | 15 | 15 | - | | 10 | 10 |
| Total | 2 | 2 | - | 73 | 73 | - | | 27 | 27 |
| VIII Fisheries | | | | | | | | | |
| Integrated fish farming | | | | | | | | | |
| Total | | | | | | | | | |
| IX Production of Inputs at site | | | | | | | | | |
| Vermi-compost production | | | | | | | | | |
| Organic manures production | | | | | | | | | |
| Total | | | | | | | | | |
| X Capacity Building and Group Dynamics | | | | | | | | | |
| Leadership development | | | | | | | | | |
| Group | | | | | | | | | |

| Thematic Area | No. of Courses | Duration (Days) | No. of Participants | | | | | | | | |
|---|----------------|-----------------|---------------------|--------|-------|------|--------|-------|----|-----|-------------|
| | | | Others | | | | SC/ST | | | | Grand Total |
| | | | Male | Female | Total | Male | Female | Total | | | |
| dynamics | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | |
| Total | | | | | | | | | | | |
| XI Agro-forestry | | | | | | | | | | | |
| Total | | | | | | | | | | | |
| XII Others (Pl. Specify) | | | | | | | | | | | |
| Grand Total | | | | | | | | | | | |
| (B) RURAL YOUTH | | | | | | | | | | | |
| Mushroom Production | 1 | 1 | 4 | 4 | 98 | 7 | 105 | 18 | 2 | 20 | 125 |
| Bee-keeping | | | | | | | | | | | |
| Seed production | | | | | | | | | | | |
| Planting material production | 1 | 1 | 1 | 1 | 26 | - | 26 | 2 | - | 2 | 28 |
| Vermi-culture | 1 | 1 | 1 | 1 | 48 | 4 | 56 | 3 | 10 | 56 | 211 |
| Value addition | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | |
| Para extension workers | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | |
| (C) Extension Personnel | | | | | | | | | | | |
| Productivity enhancement in field crops | 1 | 1 | 21 | 25 | 404 | 133 | 537 | 81 | 81 | 162 | 699 |
| Integrated Pest Management | 1 | 1 | 1 | 1 | 12 | - | 12 | 12 | - | 12 | 24 |
| Integrated Nutrient management | | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | | |
| Group Dynamics and farmers organization | 1 | 1 | 1 | 1 | 12 | - | 12 | 8 | - | 8 | 20 |
| Capacity building for ICT application | | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | |

| Thematic Area | No. of Courses | Duration (Days) | No. of Participants | | | | | | | | |
|-------------------------|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|---|----|
| | | | Others | | | SC/ST | | | Grand Total | | |
| | | | Male | Female | Total | Male | Female | Total | | | |
| Any other (Pl. Specify) | 1 | 1 | 1 | 1 | 12 | - | 12 | 8 | - | 8 | 20 |
| TOTAL | | | | | | | | | | | |

B) OFF Campus

| Thematic Area | No. of Courses | Duration (days) | No. of Participants | | | | | | | | |
|---|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|-----|--|
| | | | Others | | | SC/ST | | | Grand Total | | |
| | | | Male | Female | Total | Male | Female | Total | | | |
| (A) Farmers & Farm Women | | | | | | | | | | | |
| I Crop Production | | | | | | | | | | | |
| Weed Management | 1 | 1 | 27 | - | 27 | 5 | - | 5 | | 32 | |
| Resource Conservation Technologies | | | | | | | | | | | |
| Cropping Systems | 4 | 4 | 98 | 7 | 105 | 18 | 2 | 20 | | 125 | |
| Crop Diversification | | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | | |
| Water management | 1 | 1 | 26 | - | 26 | 2 | - | 2 | | 28 | |
| Seed production | 3 | 3 | 148 | 15 | 163 | 50 | 6 | 56 | | 211 | |
| Nursery management | | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | | |
| Fodder production | | | | | | | | | | | |
| Production of organic inputs | 1 | 1 | 18 | - | 18 | 8 | - | 8 | | 26 | |
| Total | | | | | | | | | | | |
| II Horticulture | | | | | | | | | | | |
| a) Vegetable Crops | | | | | | | | | | | |
| Nursery raising | 1 | 1 | 19 | 3 | 22 | 3 | - | 3 | | 25 | |
| Export potential vegetables | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | |
| b) Fruits | | | | | | | | | | | |
| Cultivation of Fruit | 1 | 2 | - | 13 | 13 | - | 12 | 12 | | 25 | |
| Management of young plants/orchards | 2 | 3 | - | 54 | 54 | - | 27 | 27 | | 81 | |
| Export potential of ornamental plants | 1 | 1 | - | 20 | 20 | - | 6 | 6 | | 26 | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | | |
| d) Plantation crops | | | | | | | | | | | |
| e) Tuber crops | | | | | | | | | | | |
| f) Spices | | | | | | | | | | | |
| g) Medicinal and Aromatic Plants | | | | | | | | | | | |
| III Soil Health and Fertility Management | | | | | | | | | | | |
| Soil fertility management | 1 | 1 | 21 | - | 21 | 4 | - | 4 | | 25 | |

| | | | | | | | | | |
|--|---|---|----|----|----|----|----|----|----|
| Soil and Water Conservation | 3 | 3 | 43 | 8 | 51 | 23 | 1 | 24 | 75 |
| Integrated Nutrient Management | 2 | 2 | 19 | 8 | 27 | 21 | 2 | 23 | 50 |
| Production and use of organic inputs | 1 | 1 | 17 | - | 17 | 9 | - | 9 | 26 |
| Management of Problematic soils | 1 | 1 | 17 | - | 17 | 7 | 1 | 8 | 25 |
| Micro nutrient deficiency in crops | 1 | 1 | 21 | - | 21 | 6 | - | 6 | 27 |
| Nutrient Use Efficiency | | | | | | | | | |
| Soil and Water Testing | 3 | 3 | 42 | 7 | 49 | 22 | 4 | 26 | 75 |
| IV Livestock Production and Management | | | | | | | | | |
| Dairy Management | | | | | | | | | |
| Poultry Management | 1 | 1 | - | 23 | 23 | - | 8 | 8 | 31 |
| Disease Management | 1 | 1 | 19 | 3 | 22 | 3 | - | 3 | 25 |
| Feed management | | | | | | | | | |
| Production of quality animal products | | | | | | | | | |
| V Home Science/Women empowerment | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 1 | 1 | - | 43 | 43 | - | 7 | 7 | 50 |
| Design and development of low/minimum cost diet | 3 | 3 | 75 | - | 75 | 12 | - | 12 | 87 |
| Designing and development for high nutrient efficiency diet | 1 | 2 | - | 13 | 13 | - | 12 | 12 | 25 |
| Minimization of nutrient loss in processing | 2 | 3 | - | 54 | 54 | - | 27 | 27 | 81 |
| Gender mainstreaming through SHGs | 1 | 1 | - | 20 | 20 | - | 6 | 6 | 26 |
| Storage loss minimization techniques | | | | | | | | | |
| Value addition | | | | | | | | | |
| Income generation activities for empowerment of rural Women | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | |
| Rural Crafts | | | | | | | | | |
| Women and child care | 1 | 1 | - | 23 | 23 | - | 8 | 8 | 31 |
| Total | | | | | | | | | |
| VI Agril. Engineering | | | | | | | | | |
| VII Plant Protection | | | | | | | | | |
| Integrated Pest Management | 3 | 3 | 69 | - | 69 | 1 | 1 | 12 | 81 |
| Integrated Disease Management | 2 | 2 | 51 | - | 51 | 2 | 3 | 5 | 56 |
| Bio-control of pests and | 1 | 1 | 23 | 3 | 26 | - | - | - | 26 |

| | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| diseases | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | |
| VIII Fisheries | | | | | | | | | |
| IX Production of Inputs at site | | | | | | | | | |
| X Capacity Building and Group Dynamics | | | | | | | | | |
| Leadership development | | | | | | | | | |
| Group dynamics | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | |
| XI Agro-forestry | | | | | | | | | |
| XII Others (Pl. Specify) | | | | | | | | | |
| TOTAL | | | | | | | | | |
| (B) RURAL YOUTH | | | | | | | | | |
| Production of organic inputs | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | |
| TOTAL | | | | | | | | | |
| (C) Extension Personnel | | | | | | | | | |
| TOTAL | | | | | | | | | |

Annexure – I: Experts discipline wise Training Programme

i) Farmers & Farm women

1. On Campus

| Month/ Tentative Date | Clientele | Title of the training programme | Duration in days | Number of participants | | | | | | Grand Total |
|---|-----------|---|---------------------|------------------------|--------|-------|-----------------|--------|-------|----------------|
| | | | | Others | | | Number of SC/ST | | | |
| | | | | Male | Female | Total | Male | Female | Total | |
| Crop Production | | | | | | | | | | |
| | F &FW | Soil and water conservation for soil health and fertilizer management | 1 | OFF | 21 | 4 | 25 | 9 | 1 | 10 |
| | | | | | | | | | | |
| Horticulture | | | | | | | | | | |
| | F &FW | Management of leaf curl disease Tomato and Chilli | 1 | OFF | 26 | - | 26 | 4 | - | 4 |
| | F &FW | Production technology of Coriander | 1 | ON | 15 | 12 | 27 | 5 | 6 | 11 |
| Livestock production | | | | | | | | | | |
| | | | | | | | | | | |
| Home Science | | | | | | | | | | |
| | F &FW | Spice production and management technology for farm women | 2 | ON | 0 | 25 | 25 | - | 10 | 10 |
| | F &FW | Location specific drudgery reduction technology | 1 | OFF | - | 26 | 26 | - | 6 | 6 |
| Plant Protection | | | | | | | | | | |
| | F &FW | Management of rat control in wheat | 1 | OFF | 29 | - | 29 | 3 | - | 3 |
| Agriculture Extension (Capacity Building and Group Dynamics) | | | | | | | | | | |
| | | | | | | | | | | |
| Soil Science | | | | | | | | | | |
| | F &FW | Soil Sampling & Importance of Soil Testing | 1 | OFF | 17 | 8 | 25 | 6 | 2 | 8 |

| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|

2. Off Campus

| Month/ Tentative Date | Clientele | Title of the training programme | Duration in days | Number of participants | | | | | | Grand Total |
|---|-----------|--|---------------------|------------------------|--------|-------|-----------------|--------|-------|----------------|
| | | | | Others | | | Number of SC/ST | | | |
| | | | | Male | Female | Total | Male | Female | Total | |
| Crop Production | | | | | | | | | | |
| | F &FW | Rouging of off type plants at flowering for quality seed production of JG-11 | 1 | OFF | 78 | 8 | 86 | 32 | - | 32 |
| | | | | | | | | | | |
| Horticulture | | | | | | | | | | |
| | RY | Processing and preservation of fruits (Aonla & Tomato | 1 | ON | 23 | 4 | 27 | 2 | - | 2 |
| | F &FW | Management of leaf curl disease Tomato and Chilli | 1 | OFF | 26 | - | 26 | 4 | - | 4 |
| Livestock production | | | | | | | | | | |
| | | | | | | | | | | |
| Home Science | | | | | | | | | | |
| | | | | | | | | | | |
| Plant Protection | RY | Vermiculture and vermicomposting Method. | 1 | ON | 20 | - | 20 | 5 | - | 5 |
| | | | | | | | | | | |
| Agriculture Extension (Capacity Building and Group Dynamics) | | | | | | | | | | |
| | | | | | | | | | | |
| Soil Science | F &FW | Soil & Water conservation practices | 1 | OFF | 20 | 5 | 25 | 6 | - | 6 |
| | | | | | | | | | | |

Vocational Training Programme for Rural Youth:

| Month/ Tentative Date | Clientele | Title of the training programme | Duration in days | Number of participants | | | | | | Grand Total |
|-----------------------------|-----------|---------------------------------------|---------------------|------------------------|--------|-------|-----------------|--------|-------|----------------|
| | | | | Others | | | Number of SC/ST | | | |
| | | | | Male | Female | Total | Male | Female | Total | |
| Crop Production | | | | | | | | | | |
| | RY | Orchard development) | 1 | OFF | 27 | - | 27 | 12 | - | 12 |
| | | | | | | | | | | |

| Month/ Tentative Date | Clientele | Title of the training programme | Duration in days | Number of participants | | | | | | Grand Total |
|---|-----------|--|---------------------|------------------------|--------|-------|-----------------|--------|-------|----------------|
| | | | | Others | | | Number of SC/ST | | | |
| | | | | Male | Female | Total | Male | Female | Total | |
| Horticulture | | | | | | | | | | |
| | RY | Vermiculture and vermicomposting Method. | 1 | ON | 20 | - | 20 | 5 | - | 5 |
| | | | | | | | | | | |
| Livestock production | | | | | | | | | | |
| | RY | Processing and preservation of fruits (Aonla & Tomato | 1 | ON | 23 | 4 | 27 | 2 | - | 2 |
| | | | | | | | | | | |
| Home Science | | | | | | | | | | |
| | | | | | | | | | | |
| Plant Protection | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Agriculture Extension (Capacity Building and Group Dynamics) | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Soil Science | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Training Programme for Extension Functionaries:

| Month/ Tentative Date | Clientele | Title of the training programme | Duration in days | Number of participants | | | | | | Grand Total |
|---|-----------|--|---------------------|------------------------|--------|-------|-----------------|--------|-------|----------------|
| | | | | Others | | | Number of SC/ST | | | |
| | | | | Male | Female | Total | Male | Female | Total | |
| Crop Production | | | | | | | | | | |
| | | | | | | | | | | |
| | EX | Integrated nutrient management in Rabi legume | 1 | ON | | | 20 | | | |
| | | | | | | | | | | |
| Horticulture | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Livestock production | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Home Science | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Plant Protection | EX | Management of different production system for sustainable agriculture | 5 | ON | | | 35 | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Agriculture Extension (Capacity Building and Group Dynamics) | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Soil Science | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

iii) Sponsored Training Programmes

| S. No. | Title | Thematic area | Duration n | Client PF/ RY/ EF | No. of courses | No. of participants | | | | | | Sponsor ing agen cy |
|--------|-------|------------------|---------------|----------------------------|-------------------|---------------------|-------|--------|-------|-------|-------|------------------------------|
| | | | | | | Male | | Female | | Total | | |
| | | | | | | Other | SC/ST | Other | SC/ST | Other | SC/ST | |
| 1 | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

Extension Activities (including activities of FLD programmes)

| Nature of Extension Activity | No. of activities | Farmers | | | Extension Officials | | | Total | | |
|---|-------------------|-------------|-------------|-------------|---------------------|-----------|------------|-------------|-------------|-------------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Field Day | 15 | 145 | 35 | 180 | 5 | 1 | 6 | 150 | 36 | 186 |
| Kisan Mela | 1 | 150 | 62 | 212 | 20 | 40 | 70 | 170 | 102 | 272 |
| Kisan Ghosthi | 6 | 70 | 45 | 115 | 4 | 1 | 5 | 74 | 46 | 120 |
| Exhibition | 2 | 650 | 205 | 855 | 20 | 5 | 25 | 670 | 210 | 880 |
| Film Show | - | - | - | - | - | - | - | - | - | - |
| Method Demonstrations | 10 | 115 | 55 | 170 | 15 | - | 15 | 130 | 55 | 185 |
| Farmers Seminar | 4 | 210 | 140 | 350 | 14 | - | 14 | 224 | 140 | 364 |
| Workshop | 4 | 135 | 55 | 190 | 18 | 2 | 20 | 153 | 57 | 210 |
| Group meetings | 6 | 95 | 17 | 112 | 6 | - | 6 | 101 | 17 | 118 |
| Lectures delivered as resource persons | 30 | 416 | 108 | 524 | - | - | - | 416 | 108 | 524 |
| Newspaper coverage | 22 | Mass | Mass | Mass | | | Mass | Mass | Mass | Mass |
| Radio talks | - | - | | | | | | | | |
| TV talks | - | - | | | | | | | | |
| Popular articles | 10 | Mass | Mass | Mass | | | Mass | Mass | Mass | Mass |
| Extension Literature | 6 | Mass | Mass | Mass | | | Mass | Mass | Mass | Mass |
| Advisory Services | 9 | mass | Mass | Mass | | | Mass | Mass | Mass | Mass |
| Scientific visit to farmers field | 41 | 595 | 185 | 780 | | | | 595 | 185 | 780 |
| Farmers visit to KVK | 15 | 595 | 295 | 890 | | | | 595 | 295 | 890 |
| Diagnostic visits | 25 | 255 | 65 | 320 | | | | 255 | 65 | 320 |
| Exposure visits | - | | | | | | | | | |
| Ex-trainees Sammelan | 1 | 30 | 7 | 37 | | | | 30 | 7 | 37 |
| Soil health Camp | 2 | 255 | 145 | 400 | | | | 255 | 145 | 400 |
| Animal Health Camp | 2 | 195 | 55 | 250 | | | | 195 | 55 | 250 |
| Agri mobile clinic | - | - | | | | | | | | |
| Soil test campaigns | 2 | 58 | 45 | 103 | | | | 58 | 45 | 103 |
| Farm Science Club Conveners meet | 1 | 18 | 12 | 30 | 2 | - | 2 | 20 | 12 | 32 |
| Self Help Group Conveners meetings | 2 | 26 | 27 | 53 | - | 2 | 2 | 26 | 29 | 55 |
| Mahila Mandals Conveners meetings | 1 | - | 15 | 15 | - | 2 | 2 | - | 17 | 17 |
| Celebration of important days (specify) | 4 | 98 | 57 | 155 | 5 | 3 | 8 | 103 | 60 | 163 |
| Others (pl. specify) | | | | | | | | | | |
| Total | 241 | 4546 | 1695 | 6241 | 134 | 56 | 200 | 4680 | 1751 | 6431 |

Mass media used for wide publicity

| Name of media | Number of events/activity | Name of channel/ Newspaper used | Place of delivery or publication | Coverage of the media (Local/ Regional/National) |
|---|---------------------------|------------------------------------|----------------------------------|--|
| CD/DVD | | | | |
| Radio talks | | | | |
| TV talks | | | | |
| Newspaper coverage | | | | |
| Kisan Mela | | | | |
| Extension Littrature | | | | |
| Internet (Youtube) | | | | |
| Social media (Whats App, Facebook, Instagram, Twitter etc.) | | | | |

Target for Production and supply of Technological products**SEED MATERIALS**

| Category | Crop | Variety | Quantity (qtl.) |
|-------------------------|------------------|--|-----------------|
| CEREALS | Wheat | HI 1531 | 250 q |
| | | | |
| OILSEEDS | Soybean | RVS2001-4 | 300 qt |
| | | | |
| PULSES | | | |
| | | | |
| VEGETABLES | | | |
| | | | |
| | | | |
| FLOWER CROPS | | | |
| | | | |
| OTHERS (Specify) | Ornamental crops | Madhukamni, Chandni, Cliandra, Ashok, Sudarshan etc. | |
| | | | |

PLANTING MATERIALS

| Sl. No. | Crop | Variety | Quantity (Nos.) |
|------------------|----------------|---------|-----------------|
| FRUITS | Custarad apple | | 1000 |
| | Jack fruit | | 500 |
| SPICES | Lemon | | 500 |
| | Guava | | 500 |
| | Jamun | | 500 |
| VEGETABLES | Madhukamani | | 200 |
| | Ratrani | | 200 |
| | Ashok | | 500 |
| | Chandni | | 200 |
| | Sudhrshan | | 50 |
| FOREST SPECIES | Mogra | | 100 |
| | Aloe-vera | | 2000 |
| | Lemon gross | | 5000 |
| ORNAMENTAL CROPS | Palma-rosa | | 500 |

| | | | |
|------------------|---------------|--|------------|
| | Bamboo | | 100 |
| PLANTATION CROPS | | | |
| | | | |
| Others (specify) | | | |

Bio-products

| Sl. No. | Product Name | Species | Quantity | |
|-----------------------|---------------|---------|----------|---------|
| | | | No | (kg) |
| BIOAGENTS | | | | |
| 1 | Trichoderma | | | |
| 2 | Rhizobium | | | |
| 3 | | | | |
| BIOFERTILIZERS | | | | |
| 1 | Vermicompost | 8 bed | 5 | 1000 qt |
| 2 | NADEP | | | |
| 3 | | | | |
| BIO PESTICIDES | | | | |
| 1 | Dasparni arkl | 1 | | 500 ltr |
| 2 | Pesticides | | | |
| 3 | | | | |

LIVESTOCK

| Sl. No. | Type | Breed | Quantity | |
|----------------------|------|----------|----------|----|
| | | | Nos | Kg |
| Cattle | | | | |
| Dairy animals | Cow | 3 | | |
| SHEEP AND GOAT | | | | |
| | | | | |
| POULTRY | | | | |
| FISHERIES | | | | |
| Others (Specify) | | | | |

Literature to be Developed/Published

KVK News Letter

| Period | Quarter | Number of copies published | Number of copies distributed | Type of beneficiaries receiving the newsletter (Farmer, District/ block/Panchayat Official, D.M. etc.) |
|--------------------------|---------|----------------------------|------------------------------|--|
| January to March 2022 | Q1 | NIL | NIL | NIL |
| April to June 2022 | Q2 | | | |
| July to September 2022 | Q3 | | | |
| October to December 2022 | Q4 | | | |

Details of Electronic Media to be Produced

| S. No. | Type of media (CD / VCD / DVD / Audio-Cassette) | Title of the programme | Number |
|--------|---|------------------------|--------|
| 1 | Radio talks | | 4 |
| 2 | TV talks | | 4 |
| 3 | Newspaper coverage | | 12 |
| 4 | Internet (Youtube) | | 2 |
| 5 | Social media (Whats App, Facebook, Instagram, Twitter etc.) | | 4 |

Success stories/Case studies identified for development as a case:(no.)

Indicate the specific training need analysis tools/methodology followed for(Viz PRA, AES, line dept, ex trainees, interface,)

| S. No. | Training | Need analysis tools/methodology followed |
|--------|--|--|
| 1 | Identification of courses for farmers/farm women | |
| 2 | Rural Youth | |
| 3 | In-service personnel | |
| 4 | methodology for identifying OFTs/FLDs | |
| 5 | Matrix ranking | |

Field activities

Name of villages identified for adoption with block name:

| S.No. | Name of Village | Name of Block | Distance of village from KVK (Km) |
|-------|-----------------|---------------|-----------------------------------|
| 1 | Guradiya | Khilchipur | 30 |
| 2 | Unchakheda | Rajgarh | 30 |
| 3 | Balkhedi | Biaora | 40 |
| 4 | Mundali | Narsingarh | 60 |

1. No. of farm families selected per village :
2. No. of survey/PRA to be conducted:

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established

List of equipments purchased:

| SI. No | Name of the Equipment | Qty. | Cost |
|--------|---------------------------------------|------|-------|
| 1 | Spectronic-20 D | 01 | 98800 |
| 2 | Flame Photo meter | 01 | 36850 |
| 3 | Digital electronic conductivity metre | 01 | 7517 |
| 4 | Physical balance | 01 | 37800 |
| 5 | Chemical balance | 01 | |

| | | | |
|--------------|-------------------------------------|-----------|---------------|
| 6 | Refrigerator LG 310 Ltr | 01 | 18000 |
| 7 | Hot air oven with indicator & timer | 01 | 20000 |
| 8 | Hot Plate | 01 | 3134 |
| 9 | Grinder willey type | 01 | 29526 |
| 10 | Shaker | 01 | |
| 11 | Stirrer | 01 | |
| 12 | Digital Ph metre | 01 | 3604 |
| 13 | Demineralizer | 01 | 30680 |
| 14 | Micro Kjeldhal digestion unit | 01 | 13104 |
| 15 | Micro Kjeldhal distillation unit | 02 | 7200 |
| 16 | Automatic Nitrogen analyser | 01 | 112613 |
| 17 | Stabilizer 10 KB | 01 | 29484 |
| 18 | UPS 1 KB | 01 | 5000 |
| 19 | Inverter power light | 01 | 32000 |
| Total | | 20 | 498000 |

Details of Soil samples analyzed:

| Soil Testing Kits till date | | No of soil samples | | No. of Samples analyzed | | | No. of Farmers benefited | | No. of Villages covered | Amount realized | Soil health card distributed to the farmers by KVK (Nos) | |
|-----------------------------|----------|--------------------|------------------------|-------------------------|-------------------------|---------------|--------------------------|-------------------------|-------------------------|-----------------|--|-------------------------------|
| | | | | by KVKs | | By Department | By KVK | | | | By Department | Through Mini Soil Testing kit |
| Sanctioned | Procured | Collected by KVKs | Provided by Dept./ DDA | Mini Soil Testing kit | Soil testing laboratory | | Mini Soil Testing kit | Soil testing laboratory | | | | |
| | | | | | | | | | | | | |

Details of samples analyzed so far:

| Details | No. of Samples | No. of Farmers (SHC) | No. of Villages | Amount realized |
|---------------|----------------|----------------------|-----------------|-----------------|
| Soil Samples | 1000 | 1000 | 20 | |
| Water Samples | - | - | - | |
| Total | 1000 | 1000 | 20 | |

Footfall of farmers in KVKs (Jan. 2022 to Dec. 2022)

| Name of KVK | Footfall during 2022 | | | |
|-------------|----------------------|------------------|-------------|-------|
| | No. of Farmers | No. of officials | No. of VIPs | Total |
| NIL | NIL | NIL | NIL | NIL |

* JPEG Photographs (2-3 only)

Status of Kisan Mobile Advisory (KVK-KMA)

| K V K | S. No. | Thematic area | Particulars | No of Calls | No of Messages sent | No. of farmers received messages | Total no of villages in District | No of village Covered by KVK through KMA |
|---------------------------------|--------------------------------------|---------------------------|--|--|---------------------|----------------------------------|----------------------------------|--|
| R a j g a r h | 1 | Crop Management | Crop Production Technology | 50 | 4 | - | 1600 | 908 |
| | | | Integrated Farming | 50 | 4 | - | 1600 | 908 |
| | | | Field Preparation | 50 | 4 | - | 1600 | 908 |
| | | | Any Other (Specify) | 50 | 4 | - | 1600 | 908 |
| | 2 | Weather | Advisory | 50 | 4 | - | 1600 | 908 |
| | | | Change in variety | 50 | 4 | - | 1600 | 908 |
| | | | Change in Sowing technique | 50 | 4 | - | 1600 | 908 |
| | | | Climate forecast | 50 | 4 | - | 1600 | 908 |
| | | | Any Other (Specify) | 50 | 4 | - | 1600 | 908 |
| | 3 | Soil Management | Soil Testing | 50 | 4 | - | 1600 | 908 |
| | | | INM | 50 | 4 | - | 1600 | 908 |
| | | | Fertilizer Application | 50 | 4 | - | 1600 | 908 |
| | | | Vermicomposting/ bio-waste recycling | 50 | 4 | - | 1600 | 908 |
| | | | Bio-fertilizer | 50 | 4 | - | 1600 | 908 |
| | | | Any Other (Specify) | 50 | 4 | - | 1600 | 908 |
| | 4 | Disease & Pest Management | Disease Management | 50 | 4 | - | 1600 | 908 |
| | | | Pest Management | 50 | 4 | - | 1600 | 908 |
| | | | Preventive Advisory Disease Management | 50 | 4 | - | 1600 | 908 |
| | | | Preventive Advisory Pest Management | 50 | 4 | - | 1600 | 908 |
| | | | Bio-pesticides | 50 | 4 | - | 1600 | 908 |
| | | | Any Other (Specify) | 50 | 4 | - | 1600 | 908 |
| | | | 5 | Nutrition Security & Women Empowerment | Nutrition Awareness | 50 | 4 | - |
| | Kitchen garden | 50 | | | 4 | - | 1600 | 908 |
| | Value Addition and Processing | 50 | | | 4 | - | 1600 | 908 |
| | Drudgery Reduction | 50 | | | 4 | - | 1600 | 908 |
| | Entrepreneurship & Income Generation | 50 | | | 4 | - | 1600 | 908 |
| | Advisory | 50 | | | 4 | - | 1600 | 908 |
| | Any Other (Specify) | 50 | | | 4 | - | 1600 | 908 |
| | 6 | Horticulture | Vegetable | 50 | 4 | - | 1600 | 908 |
| | | | Fruit | 50 | 4 | - | 1600 | 908 |
| Hi Tech Horticulture | | | 50 | 4 | - | 1600 | 908 | |
| Any Other (Specify) | | | 50 | 4 | - | 1600 | 908 | |
| 7 | Livestock | Feed and Fodder | 50 | 4 | - | 1600 | 908 | |

| KVK | S. No. | Thematic area | Particulars | No of Calls | No of Messages sent | No. of farmers received messages | Total no of villages in District | No of village Covered by KVK through KMA |
|-----|--------|--------------------|----------------------------------|-------------|---------------------|----------------------------------|----------------------------------|--|
| | | | Dairy Management | 50 | 4 | - | 1600 | 908 |
| | | | Fisheries | 50 | 4 | - | 1600 | 908 |
| | | | Poultry Management | 50 | 4 | - | 1600 | 908 |
| | | | Vaccination & Disease management | 50 | 4 | - | 1600 | 908 |
| | | | Any Other(Specify) | 50 | 4 | - | 1600 | 908 |
| | 8 | Farm Mechanization | | 50 | 4 | - | 1600 | 908 |
| | 9 | Extension | | 50 | 4 | - | 1600 | 908 |
| | 10 | Organic Farming | | 50 | 4 | - | 1600 | 908 |
| | 11 | Marketing | | 50 | 4 | - | 1600 | 908 |
| | 12 | Awareness | | 50 | 4 | - | 1600 | 908 |
| | 13 | Other Enterprise | | 50 | 4 | - | 1600 | 908 |
| | 14 | Any Other(Specify) | | 50 | 4 | - | 1600 | 908 |

Status of KVK Website during Jan to Dec. 2022

| Date of start of website | Address of Website | No. of updates during 2021 | No. of visitors during 2021 | Flag Collected | Year Planner |
|--------------------------|--------------------|----------------------------|-----------------------------|----------------|--------------|
| NIL | NIL | NIL | NIL | NIL | NIL |

Mobile Apps developed by KVK during 2022

| S.No | Name of KVK (Developer) | Name of Host organization | Title of Mobile App | Content (in one line) | Languages (in which app developed) | Number of downloads | Total expenditure incurred in developing app (Rs.) |
|------|-------------------------|---------------------------|---------------------|-----------------------|------------------------------------|---------------------|--|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

ICT based module

Information on Whats app in social media by KVK

| KVK | Discipline wise group with name of discipline | No of Farmer members | Activity details on whats app group |
|-----|---|----------------------|-------------------------------------|
| NIL | NIL | NIL | NIL |

Information on social media by KVK

| KVK | Facebook | | | Twitter | | Instagram | |
|-----|-------------------|-------------------|------------|--------------|------------------|-------------|------------------|
| | Scientists linked | Farmers connected | No of Post | No of tweets | People following | No of share | People following |
| | | | | | | | |

DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Name of KVK | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock /technology |
|-------------|---|-------------------|-------------------------------|------------------------------------|
| Rajgarh | Gosthies | 1 | 50 | Kharif / Rabi- Summer |
| | Lectures organized | 25 | | Kharif / Rabi- Summer |
| | Exhibition | 2 | 580 | Kharif / Rabi- Summer |
| | Film show | 25 | 250 | Kharif / Rabi- Summer |
| | Fair | 1 | 280 | Kharif / Rabi- Summer |
| | Farm/ Field Visit | 5 | Mass | Kharif / Rabi- Summer |
| | Diagnostic Practical's | 3 | 20 | Kharif / Rabi- Summer |
| | Distribution of Literature (No.) | 16 | Mass | Kharif / Rabi- Summer |
| | Distribution of Seed (q) | 7 | 1280 Vegetable Seed kit | |
| | Distribution of Planting materials (No.) | 2 | 200 | - |
| | Bio Product distribution (Kg) | 2 | 150 | - |
| | Distribution of Bio Fertilizers (q) | 2 | 150 | - |
| | Distribution of fingerlings | | | - |
| | Distribution of Livestock specimen (No.) | | | - |
| | Total number of farmers visited the technology week | 7 | 1003 | - |
| | Animal health camp | 2 | 400 | - |
| | Awareness programme | 5 | 200 | - |
| | Demonstration | 250 | 250 | - |
| | Exposure visit | 50 | 800 | - |
| | Ex-trainees Meet | 2 | 60 | - |
| | Farmer scientist interaction | 25 | 625 | - |
| | Farmers Training | 80 | 4500 | - |
| | Gajarghans Unmulan Pakhwada | 1 | Mass | - |
| | Group Meeting | | | |
| | Jai Kisan Jai Vigyan Sangoshthi | | | |
| | Plant Protection Week | | | |
| | Seed treatment campaign | | | |
| | Self Help Group convener meet | | | |
| | Soil health Camp | | | |
| | Swachha Bharat Abhiyan | | | |
| | Others (Pl. Specify) | | | |

Participation in HRD Programmes organized by ATARI

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|-------------|---------------|-----------|--------------------------|---------|
| NIL | NIL | NIL | NIL | NIL |
| | Total | | | |

| Name of KVK | Total Number of staff Attended HRD Programme organized by ATARI | Total Number of Programme attended (Nos) |
|-------------|---|--|
| | | |

| | | |
|-----|-------|-----|
| | (nos) | |
| NIL | NIL | NIL |

Participation in HRD Programmes organized by DES

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|-------------|---------------|-----------|--------------------------|---------|
| NIL | NIL | NIL | NIL | NIL |

| Name of KVK | Total Number of staff Attended HRD Programmes organized by DES (nos) | Total Number of Programmes attended (Nos) |
|-------------|--|---|
| NIL | NIL | NIL |

Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

| Name of KVK | Name of Staff | Post held | Programmes attended (Nos) | Duration (days) | Type of HRD activities (Refresher course/CAFT/Summer winter school/short course) |
|-------------|---------------|-----------|---------------------------|-----------------|--|
| NIL | NIL | NIL | NIL | NIL | NIL |

| Name of KVK | Total Number of staff Attended HRD Programmes by KVK staff (nos) | Total Number of Programmes attended (Nos) |
|-------------|--|---|
| NIL | NIL | NIL |

Information for TSP Jan-Dec-2022

| S I. N o. | Farmer Training | | Women Farmer Training | | Rural Youths | | Extension Personnel | | Number of farmers involved | | | Participants in extension activities (No.) | Production of seed (q) | Production of Planting material (Number in lakh) | Production of Live stock strains (Number in lakh) | Production of fingerlings (Number in lakh) | Testing of Soil, water, plant, manures samples (Number) |
|--------------------|------------------------|----------------|------------------------|----------------------|------------------------|---------------|------------------------|-----------------------|----------------------------|--------------------------|----------------------------|--|------------------------|--|---|--|---|
| | No. of Trainings/Demos | No. of Farmers | No. of Trainings/Demos | No. of Women Farmers | No. of Trainings/Demos | No. of Youths | No. of Trainings/Demos | No. of Ext. Personnel | On-farm trials | Frontline demonstrations | Mobile advisory to farmers | | | | | | |
| | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

39. Information for SCSP Jan-Dec-2022

| S I. N o. | Farmer Training | | Women Farmer Training | | Rural Youths | | Extension Personnel | | Number of farmers involved | | | Participants in extension activities (No.) | Production of seed (q) | Production of Planting material | Production of Live stock strai | Production of fingerlings (Nu | Testing of Soil, water, plant, man |
|--------------------|------------------------|----------------|------------------------|------------------|------------------------|---------------|------------------------|-----------------------|----------------------------|-----------|-----------------|--|------------------------|---------------------------------|--------------------------------|-------------------------------|------------------------------------|
| | No. of Trainings/Demos | No. of Farmers | No. of Trainings/Demos | No. of Women Far | No. of Trainings/Demos | No. of Youths | No. of Trainings/Demos | No. of Ext. Personnel | On-farm | Frontline | Mobile advisory | | | | | | |
| | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|--|-----|-----|-----|------|-----|-----|-----|------|-------|-----|------------------|-----|-----|------------------|---------------------|---------------|-----------------------|
| | | | | mers | | hs | | rson | trial | s | isory to farmers | | | (Number in lakh) | ns (Number in lakh) | mber in lakh) | ures samples (Number) |
| | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

40. Information for KSHAMTA Jan-Dec-2021

| Sl. No. | State | Name of KVK | Number of Adopted Villages | No. of Activities | | No. of farmers benefited | |
|---------|-------|-------------|----------------------------|-------------------|----------|--------------------------|----------|
| | | | | Demo | Training | Demo | Training |
| NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

Activities in Nutri-Smart Village during Jan-Dec-2022

Information about Nutri-Smart Village

| Name of KVK | Block | Name of Nutri Smart Village |
|-------------|-------|-------------------------------------|
| Rajgarh | 6 | Chatukheda, Banskheda, Chosla, Nari |

1. Technologies Assessed (OFT) in Nutri Smart Village

| Name of KVK | Thematic area | Name of Intervention | No. of Activity | Area | No. of beneficiaries |
|-------------|--|----------------------|-----------------|------|----------------------|
| Rajgarh | Nutritional Garden (activity in no. of Unit) (m ²) | - | 20 | - | 100 |
| | Bio-fortified Crops (activity in no. of Unit) (ha) | - | 20 | - | 100 |
| | Value addition (activity in no. of Unit/Enterprise) | - | 20 | - | 100 |
| | Other Enterprises (activity in no. of Unit/Enterprise) | - | 20 | - | 100 |
| | Income generation (activity in no. of Unit/Enterprise) | - | 20 | - | 100 |
| | Drudgery reduction (activity in no. of Unit/ Enterprise) | - | 20 | - | 100 |

2. Technologies Demonstrated (FLD) in Nutri Smart Village

| Name of KVK | Thematic area | Name of Intervention | No. of Activity | Area | No. of beneficiaries |
|-------------|--|----------------------|-----------------|------|----------------------|
| Rajgarh | Nutritional Garden (activity in no. of Unit) (m ²) | - | 20 | - | 100 |
| | Bio-fortified Crops (activity in no. of Unit) (ha) | - | 20 | - | 100 |
| | Value addition (activity in no. of Unit/Enterprise) | - | 20 | - | 100 |
| | Other Enterprises (activity in no. of Unit/Enterprise) | - | 20 | - | 100 |

| | | | | | |
|--|---|---|----|---|-----|
| | Income generation (activity in no. of Unit/Enterprise) | - | 20 | - | 100 |
| | Drudgery reduction (activity in no. of Unit/Enterprise) | - | 20 | - | 100 |

3. Training Programme conducted in Nutri Smart Village

| Name of KVK | Training Title | No. of Courses | Duration (Days) | Gen | | SC | | ST | | Other | | Total |
|-------------|---|----------------|-----------------|-----|----|----|----|----|---|-------|----|-------|
| | | | | M | F | M | F | M | F | M | F | |
| Rajgarh | Value addition, Bio-fortified Crops , Income generation, Drudgery reduction | 6 | 10 | 59 | 24 | 45 | 20 | 25 | 8 | 142 | 37 | 360 |

4. Extension Activities in Nutri Smart Village

| Name of KVK | Activity | No. of activities | SC | | ST | | Other | | Officials | | Total |
|-------------|---------------------------------|-------------------|----|----|----|----|-------|---|-----------|----|-------|
| | | | M | F | M | F | M | F | M | F | |
| Rajgarh | Sangosthi, Field day, visit, GD | 6 | 59 | 24 | 45 | 20 | 25 | 8 | 142 | 37 | 360 |

LINKAGES

Functional linkage with different organizations

| Name of organization | Nature of linkage |
|---|--|
| 1. College of Agriculture Sehore | Participating in meeting, Technical guidance, Joint diagnostic Survey. |
| 2. Department of Agriculture | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 3. National Water Shed | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 4. Department of Horticulture | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 5. Department of Vet. & AH | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 6. Women & child Development Department | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 7. M.P. Seed Crop | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 8. IFFCO | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 9. Jila Panchayat | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 10. Janpad Panchayat | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 11. DPIP | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |
| 12. BAIF | Joint implementation, Participation in meeting conducting training programme, Joint diagnostic Survey, demonstration |

Details of linkage with ATMA / NFSM

a) Is ATMA implemented in your district Yes/No

| | |
|--------------------------|---------------------------|
| Name of Programme | Nature of linkage |
| Training - 6 | Participation in meetings |

Give details of programmers implemented under National Horticultural Mission

| | |
|--------------------------|--------------------------|
| Name of Programme | Nature of linkage |
| NIL | NIL |

Action plan for Flagship programmes implemented at KVK
(NICRA, ARYA, Natural farming, CBBO, Seed Hub, Agri Drone etc)

Name of Flagship programmes

| Month | Activity details | Targeted Beneficiaries/Area/Coverage | Targeted Area/Coverage |
|-------------------|--|--------------------------------------|------------------------|
| April – June | Natural Farming Training | 300 | 300 acr |
| July - September | Preparation & Application of Jiwamrit, Nimastra, Agniastra | 300 | 300 acr |
| October- December | Preparation & Application of Jiwamrit, Nimastra, Agniastra | 300 | 300 acr |
| January- March | Field Day/ Sangosthi | 300 | 300 acr |

Planning for Crop Cafeteria

Total Area of Crop cafeteria: 720 Sq m

| Crop | Season | Variety | Particulars /details | Area (Sq m) |
|---------------|-------------|--|----------------------|-------------|
| Soybean | Kharif 2022 | RVS2001-4, RVS2002-4, JS335, JS9560, JS2034, JS2098, JS2069, RVS-18, RVS-24, RVS-76 | - | 120 |
| Green Gram | Kharif 2022 | TJM-3, IPM 205-, IPM 140-3 | - | 36 |
| Black Gram | Kharif 2022 | PU-1, PU-31, IPU 2-43, TU 49-2, Indra urad-1 | - | 60 |
| Pigon pea | Kharif 2022 | JA-4, TJT-501, ICPH-2671, JA-3, ICPL-87, ICPH-2671, JA-3, ICPL-87339, PUSA ARHAR-16 | - | 108 |
| Sowing method | Kharif 2022 | Green Gram, Black Gram & Soybean A. Flat bed (FB) B. Ridge and furrow bed (RFB) C. Borad bed furrow (BBF) | - | 36 |
| Tomato | Kharif 2022 | Kashi vishes, Kashi Aman, Arka Rakshak, Abhilash | - | 48 |

| | | | | |
|----------|-------------|--|---|----|
| Merigold | Kharif 2022 | Afrikan Merigold, Pusa Narangi, Pusa Basanti, Arikon gaint double yellow | - | 60 |
| Ginger | Kharif 2022 | Suprabha, | - | 12 |
| Turmeric | Kharif 2022 | Roma, Rashmi, | - | 12 |

| Crop | Season | Variety | Particulars /details | Area (Sq m) |
|--------------|--------------|--|----------------------|-------------|
| Wheat | Rabi 2022-23 | HI- 8627, HI- 8638, HI- 1531, JW-3173, HI-1500, HI-1454, GW-322, GW-366, RVW4106, MP-3382, JW-3020 | - | 132 |
| Gram | Rabi 2022-23 | RVG201, RVG202, RVG203, RVG204, RVG205, RVKG101(Kabuli), JG-412, KAK-2, JG-16, JG-226, Vishal | - | 120 |
| Mustard | Rabi 2022-23 | Pusa Agrani, Pusa bold, Rohani, JM-2, VSL-5, RVM-2, PM 27 Pusa Tarak, Pusa Jagannath | - | 108 |
| Lentil | Rabi 2022-23 | JL-3, RVL11-6 | - | 24 |
| Fenugreek | Rabi 2022-23 | RVSF-1, RMT-1 | - | 24 |
| Kasuri Methi | Rabi 2022-23 | RVSKM-1 | - | 12 |
| Coriander | Rabi 2022-23 | Ajmer Dhaniya-1, Ajmer Dhaniya-2, Khumbhraj Dhani , Khumbhraj dhana, CS-6 | - | 60 |
| Patato | Rabi 2022-23 | Chipsona-1, Chipsona-2, Khufri Himalini | - | 36 |
| Garlic | Rabi 2022-23 | G 282, G41, Amretha | - | 24 |

Details of Demonstration Unit at KVK

| Demonstration Unit | Particulars /details | Area (Sq m) | Output /Production |
|------------------------------|---|-------------------------------------|---------------------------------------|
| Dairy | 4 Cow | 1000 | Milk 1800 ltr, Dung, Urine |
| Vermicompost | 8 bed | 32 | 1000 q. |
| Natural Farming Product unit | Jivamrit, Ghanjivamrit, Nimastra, Agniastra | 10 drum | 2000 ltr., 500 kg 250 ltr, 250 ltr |
| Fruit Production | Lemon, Orange, Guava, Custard apple | 0.25 ha., 1.0 ha. 1.0 ha, 1.0 ha | |
| Nursury | Seedling, Sapling, | 0.1 ha | |

Success stories/Case studies identified for development as a case:(no.)

Success stories/Case studies – (best two only in the following format in separate file attached)

| | |
|---|--|
| Name of the KVK | |
| TITLE | |
| Introduction | |
| KVK intervention | |
| Output | |
| Outcome | |
| Impact | |
| Photographs (2-3 Photographs with caption in .jpeg format) | |

Indicate the specific training need analysis tools/methodology followed for(Viz PRA, AES, line dept, ex trainees, interface,)

| S. No. | Training | Need analysis tools/methodology followed |
|---------------|--|---|
| 1 | Identification of courses for farmers/farm women | |
| 2 | Rural Youth | |
| 3 | In-service personnel | |
| 4 | methodology for identifying OFTs/FLDs | |
| 5 | Matrix ranking | |

Field activities

Name of villages identified for adoption with block name:

| S.No. | Name of Village | Name of Block | Distance of village from KVK (Km) |
|--------------|------------------------|----------------------|--|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |

1. No. of farm families selected per village :
2. No. of survey/PRA to be conducted:

Well labeled Photographs in .jpeg format with high resolution (300 dpi)of each activity of the KVK. (Separately) (pl don't paste photo in word file)

16. Action photographs.







