# ANNUAL PROGRESS REPORT
# KVK, Bargarh
## April 2013 to March 2014

# Contents

# Instructions for Filling the Format

1. **Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
2. **Do not merge columns, rows.**
3. **Please repeat the name of KVK in each table in the column "Name of KVK"**
4. **Do not fill the non-numerical values in numeric field**
5. **Do not repeat the unit while reporting data as it is already mentioned in the heading row**
6. **Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
7. **Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
8. **Additional relevant information may be provided at the end of Format by creating heading "Additional Information"**
9. **Also read the instructions mentioned just below the table**
10. **Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
11. **Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
12. **Gray color cells in summary table need not to be filled.**
13. **Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Horse gram, Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).**
    **Vegetable :- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).**
    **Fruits :- Mango, Guava, Custard apple, Pear etc.**
    **Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.**

# REPORTING PERIOD – April 2013 to March 2014

## Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14

| S.N. | Quantifiable Achievement | Number | Beneficiaries (nos.) | |
|---|---|---|---|---|
| **1** | **On Farm Testing** | | | |
| | Proposed OFT | **8** | 104 | |
| | On Going OFT | **0** | 0 | |
| | Technologies assessed (Completed OFT) | **8** | 104 | |
| | Technologies refined | **0** | 0 | |
| | On farm trials conducted | **8** | 104 | |
| **2** | **Frontline demonstrations** | | | |
| | Proposed Frontline demonstrations | 8 | 104 | |
| | On Going Frontline demonstrations | 2 | 26 | |
| | FLDs conducted on crops | 3 | 39 | |
| | Area under crops (ha.) | 3 | 39 | |
| | FLD on farm implement and tools | 0 | 0 | |
| | FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.) | | | |
| | FLD on Fisheries - Finger lings | | | |
| | FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.) | | | |
| | FLD on Women in Agriculture - ( Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.) | 3 | 39 | |
| **3** | **Training programmes** | **No. of Course** | **Duration (days)** | **Participants** |
| | Farmers | 28 | 28 | 700 |
| | Farm women | 15 | 15 | 375 |
| | Rural youth | 6 | 12 | 90 |
| | Extension personnel/ In service | 3 | 5 | 65 |
| | Vocational trainings | 1 | 5 | 10 |
| | Sponsored Training | 0 | 0 | 0 |
| | **Total** | 53 | 65 | 1240 |
| | | **No. of programmes** | **Participants** | |
| **4** | **Extension Programmes** | 26 | | 9790 |
| **5** | **Production of technology inputs etc** | **Qty** | **Beneficiaries (nos.)** | |
| | Seed (qt.) | 616.0 | | 1022 |
| | Planting material produced (nos.) | 2920 | | 105 |
| **6** | **Livestock** | **Qty** | **Beneficiaries (nos.)** | |
| | Livestock strains ( Nos) | | | |
| | Milk Yield - Cow, Buffelo etc. (in liter) | | | |
| | Fish (Kg.) | | | |
| | Fingerlings (nos.) | | | |
| | Poultry-Eggs (nos.) | | | |
| | Ducks (nos.) | | | |
| | Chicks etc. (nos.) | | | |

| | | | | |
|---|---|---|---|---|
| 7 | **Bio Products** | **Qty** | **Beneficiaries (nos.)** | |
| | Bio Agents -Earth worm (Kg.) | | | |
| | Trichoderma (kg.) | | | |
| | Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.) | 2330 | 40 | |
| | Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.) | | | |
| **8** | **Any other significant achievement in the Zone** | **Nos.** | **Participants/ beneficiaries** | |
| | Award (Best KVK award and scientist and farmer's award) | 1 | 1 | |
| | Publications ( Res. Paper/ pop. Art./Bulletin,etc.) | 1 | 100 | |
| | KVK News letter | 2 | 500 | |
| | SAC Meetings conducted | 1 | 36 | |
| | Soil sample tested | 0 | 0 | |
| | Water sample tested | 0 | 0 | |
| | RWH System (Special training and field visit on RWH structure and MIS in KVKs) | 0 | 0 | |
| | KVK-KMA (Message and beneficiaries) | 120 | 441 | |
| | Convergence programmes | 2 | 3000 | |
| | Sponsored programmes | 0 | 0 | |
| | KVK Progressive Farmers interaction | 3 | 100 | |
| | No. of Technology Week Celebrations | 1 | 375 | |
| | Attended HRD activities organized by ZPD | 2 | 2 | |
| | Attended HRD activities organized by DES | 6 | 5 | |
| | Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. ) | 8 | 5 | |
| **9** | Current status of Revolving Funds ( Amt. in Rs.) | | 337374 | |
| **10** | | **No. of blocks** | **No. of villages** | |
| | Outreach of KVK in the District | 12 | 87 | |
| **11** | | **ICAR** | **SAU** | **Others** |
| | No. of important visitors to KVK (nos.) | 0 | 2 | 0 |
| **12** | | **Working (Yes/No)** | **No. of Update** | |
| | Status of KVK Website | Yes | 80 | |
| **13** | | **Application received** | **Application disposed** | |
| | Status of RTI (nos.) | 0 | 0 | |
| **14** | | **Query received** | **Query dissolved** | |
| | Citizen Charter (nos.) | 0 | 0 | |
| **15** | | **Working (Yes/No)** | **No. of programme viewed** | |
| | E-connectivity | Yes | 7 | |
| **16** | | **Filled** | **Vacant** | |
| | Staff Position | 11 | 5 | |
| **17** | Workshop/ Seminar/ Conference attended by staff of KVK ( nos) | 1 | | |
| **18** | Publication received from ICAR /other organization (nos.) | 10 | | |
| **19** | | **Particulars** | **Organization** | |
| | Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR) | 0 | 0 | |

# GENERAL INFORMATION

## 1.1. Staff Position (as on date)

### Summary of Staff position in KVKs on March, 2014

| Name of KVK | Sanctioned Posts | PC (1) | | SMS (6) | | PA (3) | | Admn. (6) | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled |
| Bargarh | 16 | 1 | 1 | 6 | 2 | 3 | 2 | 6 | 5 | 16 | 10 |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Highest degree | Subject of specilization | Pay scale | Present pay | Date of joiing | Per./Temp. | Category |
|---|---|---|---|---|---|---|---|---|---|---|
| **Bargarh** | Programme Coordinator | Dr. M.K.Tripathy | Entomology | Ph.D | Entomology | 37400-67000 AGP-9000 | 40240+ 9000 | 27-10-09 | Permanent | Others |
| **Bargarh** | Subject Matter Specialist1 | Mrs S. Sahu | Home Science | MSc | Food & Nutrition | 15600-39100 AGP-6000 | 18320+ 6000 | 22-12-2009 | Permanent | Others |
| **Bargarh** | Subject Matter Specialist2 | Sri N. C. Barik | Nematology | M.Sc. | Nematology | 15600-39100 AGP-6000 | 17610+ 6000 | 30-04-2010 | Permanent | Others |
| **Bargarh** | Subject Matter Specialist3 | Vacant | | | | | | | | |
| **Bargarh** | Subject Matter Specialist4 | Vacant | | | | | | | | |
| **Bargarh** | Subject Matter Specialist5 | Vacant | | | | | | | | |
| **Bargarh** | Subject Matter Specialist6 | Vacant | | | | | | | | |
| **Bargarh** | Programme Assistant | Vacant | | | | | | | | |
| **Bargarh** | Farm Manager | Sri K.M Biswal | - | BSc | - | 9300-34800 (GP-4200) | 15600+ 4200 | 2-09-2013 | Permanent | Others |
| **Bargarh** | Computer Programmer | Mr. M.K Sahu | Computer | MCA | | 9300-34800 (GP-4200) | 12930+ 4200 | 27-01-06 | Permanent | Others |
| **Bargarh** | Accountant / superintendent | Vacant | | | | | | | | |
| **Bargarh** | Stenographer | Sri S. K Jally | Steno | | | 5200-20200 GP-2400 | 5200 + 2400 | 14.2.2014 | Contractual | SC |
| **Bargarh** | Driver | Mr. A. Chhanda | | Under Matric | | PB-1(5200-20200) S-5 | 6110+ 1900 | 23-07-08 | Contractual | Others |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Highest degree | Subject of specilization | Pay scale | Present pay | Date of joiing | Per./Temp. | Category |
|---|---|---|---|---|---|---|---|---|---|---|
| **Bargarh** | Driver | Mr. S. Rout | | Under Matric | | PB-1(5200-20200) S-5 | 6110+ 1900 | 22-07-08 | Contractual | Others |
| **Bargarh** | Supporting staff | Mr. S. Devta | | Under Matric | | PB-1(4440-7440)S-5 | 5180+ 1300 | 28-07-08 | Contractual | Others |
| **Bargarh** | Supporting staff | Mr.O.Khamari | | Under Matric | | PB-1(4440-7440)S-5 | 5180+ 1300 | 28-07-08 | Contractual | Others |

## 1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

| KVK Name | Agro-climatic zone | No . of Blocks | No. of Panchayats | Population | Literacy | SC and ST Population | No. of farmers | Average land holding |
|---|---|---|---|---|---|---|---|---|
| Bargarh | West Central Table Land | 12 | 248 | **1,478,833** | 74% | 89177 | 203550 | 0.24 ha |

## 1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

| KVK Name | Village Name | Year of adoption | Block Name | Distance from KVK | Population | Number of farmers (having land in the village) |
|---|---|---|---|---|---|---|
| Bargarh | Ludupalli | 2013 | Ambabana | 85 | 1120 | 725 |
| Bargarh | Dablong | 2009 | Bhatli | 65 | 1264 | 205 |
| Bargarh | M.Gandpali | 2008 | Bijepur | 67 | 1410 | 237 |
| Bargarh | Padhantikira | 2009 | Bheden | 55 | 930 | 168 |
| Bargarh | Raisobha | 2013 | Bhatli | 60 | 2500 | 620 |
| Bargarh | Patrapali | 2010 | Bhatli | 65 | 800 | 326 |

## 1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

| KVK Name | THRUST AREA |
|---|---|
| Bargarh | Crop Diversification |
| Bargarh | Reclamation of degraded land |
| Bargarh | Integrated Nutrient Management practices |
| Bargarh | Integrated Disease and Pest Management Practices |

| | |
|---|---|
| Bargarh | Quality seeds and seedlings production |
| Bargarh | Income generating activities for rural women/ School dropouts |
| Bargarh | Value addition in seasonal vegetables |
| Bargarh | Integrated farming system |
| Bargarh | Integrated fish farming |
| Bargarh | Proper health management of domestic animals & birds |
| Bargarh | Market and production strategies |
| Bargarh | Recycling of farm wastes for vermicompost |
| Bargarh | Farm mechanization |
| Bargarh | Off season vegetable cultivation |
| Bargarh | Promotion of nutritional garden |
| Barg0arh | Introduction of suitable varieties with improved packages of practices |
| Bargarh | Effective use of family labour through need based livelihood option |
| Bargarh | Command Area Development with proper Irrigation management |
| Bargarh | Agro forestry in waste land, Soil & water conservation |

## 1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

| KVK Name | Problem identified | Methods of problem identification | Location Name of Village & Block |
|---|---|---|---|
| Bargarh | Low yield of oil seed and pulses due to prevalent soil acidity | Soil Analysis | Padampur, Paikamal, Jharabandha, Sohela , Bhatli |
| Bargarh | Low family income due to mono cropping in rain fed areas | PRA | Attabira, Bheden, Barpali, Bargarh |
| Bargarh | Imbalance use of manures and fertilizers in vegetables leading to low productivity | Soil Analysis, PRA | Padampur, Paikamal, Jharabandha, Sohela , Bhatli |
| Bargarh | Distress sale of fruits and vegetables due to lack of storage facility | PRA | Bijepur, Bhatli, Sohela |
| Bargarh | Severe infestation of insect, pest and diseases of vegetables | Field Visit, Diagnostic survey | Attabira, Bheden, Barpali, Bhatli |

| | | | |
|---|---|---|---|
| Bargarh | Underutilization and low productivity of fish ponds | PRA | Attabira |
| Bargarh | Drudgery of farm women | PRA | Padampur, Paikamal, Jharabandha, Sohela , Bhatli |
| Bargarh | Low productivity of country birds | PRA | Attabira, Bhatli, Bheden, Barpali, Bargarh |
| Bargarh | Low yield of rulling Rice var. Swarna(MTU-7029) due to susceptibility to diseases and pest | PRA, Diagnostic Visit | Attabira, Bheden, Barpali, Bargarh |
| Bargarh | Low productivity of animal resources | PRA | Padampur, Paikamal, Jharabandha, Sohela , Bhatli |
| Bargarh | Collar rot in groundnut | FLD, Diagnostic Visit, Farmer's Meeting | Padampur, Paikamal, Jharabandha, Bhatli, Sohela |
| Bargarh | Underutilization of Rice straw | PRA | Attabira, Bheden, Barpali, Bhatli |
| Bargarh | Lack of suitable variety for Kharif greengram | Farmers meeting, diagnostic visit | Padampur, Paikamal, Gaisialat, Sohela |

# 2. On Farm Testing

**Note-**

*** Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.**

***Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.**

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## 2.1 Information about OFT

| KVK name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/ Refinement) | Thematic Area | Crop/ enterprise | Farming Situations | No. of trials | Results (q/ha) | | Net Returns (Rs./ha) | | Recommendations |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FP ($T_1$) | RP ($T_2$) | FP ($T_1$) | RP ($T_2$) | |
| Bargarh | 2013 | Kharif | Low yield of Rice due to BPH infestation at maturity stage | Assessment of Chemical Denotifuran for management of BPH in Kharif Rice | Assessment | Integrated Pest Management | Rice | Irrigated | 13 | 45.2 | 48.3 | 18520 | 21455 | One spray of Denotifuran 20 SG @ 80 gm per acre is sufficient to control BPH in Kharif Rice |
| Bargarh | 2013 | Kharif | Low yield due to high mortality of plants of groundnut during seedling stage due to collar rot | Assessment of Vitavax power for control of collar rot disease in groundnut | Assessment | Integrated Disease management | Groundnut | Rainfed | 13 | 9.8 | 12.7 | 16800 | 28200 | Seed treatment with Vitavax power@2.5 gm per kg of seeds can control collar rot disease in groundnut |
| Bargarh | 2013-2014 | Rabi | Poor yield due to powdery mildew disease at post flowering stage | Assessment of chemical management strategy against powdery mildew disease of | Assessment | Integrated Pest Management | Greengram | Rainfed | 13 | 5.2 | 7.6 | 7700 | 15600 | Two sprays of Tebuconazole + Trifloxystrobin (Nativo) @ 0.80 gm per litre can minimize powdery mildew problem in greengram |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | during Rabi | greengram | | | | | | | | | | |
| Bargarh | 2013-14 | Rabi | Loss of quality and yield of watermelon due to rottening of fruit at blossom end | Assessment of IPM schedule for management of blossom end rot disease in watermelon | Assessment | Integrated Disease management | Watermelon | Irrigated | 13 | 165 | 192 | 75200 | 92300 | Keeping presoaked Rice straw with Propineb 70 WP @ 0.6 gm per litre below developing fruits of water melon can minimize blossom rot disease |

## 2.2 Economic Performance

| KVK name | OFT Title | 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 ($T_2$) | Refined Practice, if any ($T_3$) | FP ($T_1$) | RP ($T_2$) | Refined Practice, if any ($T_3$) | FP ($T_1$) | RP($T_2$) | Refined Practice, if any ($T_3$) | FP ($T_1$) | RP ($T_2$) | Refined Practice, if any ($T_3$) |
| Bargarh | Assessment of Chemical Denotifuran for management of BPH in Kharif Rice | Average No of BPH per hill after 10 days of spraying | 3.5 | 1.5 | 42500 | 43750 | | 61020 | 65205 | | 18520 | 21455 | | 1.4 | 1.5 | |
| Bargarh | Assessment of Vitavax power for control of collar rot disease in groundnut | No pf pods per plant<br>Seedling mortality per sq mt | 12<br>7 | 15<br>2 | 32200 | 35300 | | 49000 | 63500 | | 16800 | 28200 | | 1.5 | 1.8 | |
| Bargarh | Assessment of chemical management strategy | No of pods per plant | 24 | 33 | 18300 | 22400 | | 26000 | 38000 | | 7700 | 15600 | | 1.4 | 1.7 | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | against powdery mildew disease of greengram | | | | | | | | | | | | | | | |
| Bargarh | Assessment of IPM schedule for management of blossom rot disease in watermelon | Average weight of fruits | 2.1 | 2.3 | 40300 | 42100 | | 115500 | 134400 | | 75200 | 92300 | | 2.8 | 3.1 | |

## 2.3 Information about Home Science OFT:

| KVK Name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/ Refinement) | Thematic Area | Details of Technology Selected for Assessment | Characteristics of Technology / Variety / Product / Enterprise | Farming / Enterprise Situation | No. of trials | Recommendations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bargarh | 2013 | Kharif | Less output, improper cleaning and more drudgery due to use of country winnower for Rice cleaning | Assessment of manual Rice grain winnower for drudgry reeduction | Assessment | Drudgery reduction | Use of CRRI made manually operated Rice winnower for cleaning of Rice grains | Light weight, can be operated by 2 women manually, Output-0.5q/hr | Enterprise | 13 | Time, money and labour can be saved through CRRI made rice winnower for cleaning of rice grains than country winnower |
| Bargarh | 2013 | Kharif | Poor milk yield due to vitamin and mineral | Assessment of vitamin and mineral mixture in milk | Assessment | Nutritional management | Use of vitamin mineral mixture | Supplementation of vitamin-mineral mixture @ 30gm / day improve the milk yield | Enterprise | 13 | Milk yield can be enhanced to 23% by supplementing 30 gm of vitamin mineral mixture per day |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | deficiency. | productivity of Milch Cow | | | | | | | |
| Bargarh | 2013-14 | Rabi | Drudgery during setting by axe | Assessment of sugarcane bud cheaper for drudgery reduction | Assessment | Drudgery reduction | Use of sugarcane bud chipper | One can chip 250 buds/hr through bud chipper. | Enterprise | 13 | Time labour alongwith sugarcane seed, mileable sugarcane can be saved by using bud chipper |
| Bargarh | 2013-14 | Rabi | Heavy storage loss due to pulse beetle infestation | Assessment of mustard oil for controlling pulse beetle in greengram | Assessment | Storage loss minimisation techniques | Treating green gram with mustard oil @ 5ml/kg before storing | Low cost, easy to adopt | Rainfed | 13 | Treating green gram seeds with mustard oil @ 5ml/kg can be safely stored for six month |

## 2.4 Economic Performance Home Science OFT:

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Output m2/h | | Est. Energy Expenditure kj/min. | | WHR beat/min | | % reduction in drudgery | | % increase in efficiency | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Saving in Rs | BC ratio |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Bargarh | Assessment of manual rice grain winnower for drudgry reeduction | 30 kg/hr | 48 kg/hr | 19.4 Kj/min/kg | 14.5 Kj/min/kg | 116 | 128 | 0 | 25.2 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bargarh | Assessment of vitamin and | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 720 lit/cow/4 months | 890 lit/cow/4 months | 11100 | 11700 | 18720 | 23140 | 0 | 0 | 7620 | 11440 | 3820 | 1.9 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mineral mixture in milk productivity of Milch Cow | | | | | | | | | | | | | | | | | | | | | |
| Bargarh | Assessment of sugarcane bud chipper for drudgery reduction | 150 bud/hr | 270 buds/hr | 3.6 Kj/Min/bud | 2.2 Kj/Min/bud | 112 | 119 | 0 | 39 | 0 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bargarh | Assessment of mustard oil for controlling pulse beetle in greengram | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | % of grain damaged after six month 15.6 | % of grain damaged after six month 3.7 | 27000 | 27500 | 40500 | 46200 | 675 | 770 | 13500 | 18700 | 5200 | 1.68 |

## 2.5 Feedback from KVK to Research System

| Name of KVK | Feedback |
|---|---|
| Bargarh | Formulation of repellant against BPH cheaper than synthetic chemical pesticides |
| Bargarh | Development of Groundnut variety resistant to collar rot disease. |
| Bargarh | Development of Greengram variety having resistance against sucking pest |
| Bargarh | Hybridisation of hard skin watermelon like skin of musk melon |

# 3. Achievements of Frontline Demonstrations

## 3.1. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

| KVK Name | Crop/ Enterprise | Thematic Area | Technology demonstrated | Details of popularization methods suggested to the Extension system | Horizontal spread of technology | | |
|---|---|---|---|---|---|---|---|
| | | | | | No. of villages | No. of farmers | Area in ha |
| Bargarh | Rice | Varietal Evaluation | Short duration(100 days) drought tolerant ,tolerant to blast, leaf spot, sheath rot & leaf roller, Rainfed upland Rice, Avg. yield 40 qtl/ha | Distribution of minikit, Training, Field day | 16 | 90 | 40 |
| Bargarh | Groundnut | Integrated Pest Management | Popularisation of seed treatment with Trichoderma viridae for control of collar rot disease of Groundnut | Inclusion of chemical in ATMA trials,Training, Field day | 25 | 500 | 100 |
| Bargarh | Sugarcane | Integrated Pest Management | Popularisation of water traps for management of sugarcane shoot borer | Exhibiting water traps in farmers fair, CD Show Training, Field day | 2 | 25 | 80 |
| Bargarh | Tomato | Integrated Diseases Management | Management of Phytopthera blight in Tomato | Field visit of progressive farmers Training, Field day | 6 | 38 | 47 |
| Bargarh | Rice | Integrated Pest Management | Management of BPH in Kharif Rice | CD show, Training, Field day | 7 | 45 | 60 |
| Bargarh | Ginger | Varietal Evaluation | The improved cultivation practices of ginger var. Suprabha @ 15q/ha of seed rate with proper INM & plant protection practice | Group visit, Distribution of leaflet Training, Field day | 4 | 17 | 8 |
| Bargarh | Capsicum | Varietal Evaluation | Popularisation of Capsicum var. California Wonder | Field visit, Training, Field day | 5 | 13 | 18 |
| Bargarh | Duckery | Income Generation | Rearing management of Khaki Campbell breed of duck | Farm Visit,Training, Field day | 7 | 57 | - |
| Bargarh | Mushroom | Income Generation | Scientific method of raising Rice straw mushroom | Farm Visit,Training, Field day, Group Discussion | 20 | 150 | - |
| Bargarh | Azolla | Fodder production | Use of azolla as an supplementary feed stuff for milch cows | Group interaction, Training, Field day | 5 | 27 | - |
| Bargarh | Mushroom | Income Generation | Scientific method of raising oyster mushroom | Farm Visit, CD show,Training, Field day | 9 | 37 | - |

**Note-**

*** Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.**

***Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice , brinjal in place of egg plant etc.**

***Don't press enter key to navigate among col use arrow or tab key**

***don't add space before or after statement within the table cell**

## 3.2 Details of FLDs implemented

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Entreprizes | Crop- Area (ha) / Entrep - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | FP ($T_1$) | RP ($T_2$) | | SC | ST | Others | General | Total |
| Bargarh | 2013 | Kharif | Integrated disease Management | Application of neem cake @500kg/ha during planting, seed treatment with Bavistin, spraying Nativo / Mancozeb @ 3gm/lit. at 60 and 75 DAP | Ginger | Suprabha | 1.0 | 80 | 102 | 27.5 | - | 1 | 11 | 1 | 13 |
| Bargarh | 2013-14 | Rabi | Integrated disease Management | Spraying Coragen @ 0.2ml/lit at 60 & 90 DAP alternate with spraying of neem pesticides @ 5ml/lit. at 75 and 100 DAP | Brinjal | VNR-218 | 1.0 | 195 | 232 | 19 | 2 | 1 | 8 | 2 | 13 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bargarh | 2013-14 | Rabi | Integrated disease Management | Seed treatment with T. viridae @ 5gm/kg and spraying Ridomil 72MZ @ 2.5gm/lit. | Rice | MTU-1001 | 1.0 | Continue | | | | | | | |
| Bargarh | 2013-14 | Rabi | Integrated disease Management | Spraying Thiomithoxam @ 2gm/lit followed by neem pesticides @ 5ml/lit. at 45 and 65 DAS | Bitter gourd | Coimbatore long | 0.4 | 57 | 72 | 20 | 2 | 1 | 7 | 3 | 13 |

## 3.3 Economic Impact of FLD

| KVK Name | Technology demonstrated | Name of Crop/ Enterprise | Parameters | | | Cost of cultivation (Rs/ha) | | 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 ($T_2$) |
| Bargarh | Application of neem cake @500kg/ha during planting, seed treatment with Bavistin, spraying Nativo / Mancozeb @ 3gm/lit. at 60 and 75 DAP | Ginger | Wt. of clump (gm) | 730 | 820 | 140000 | 145500 | 320000 | 408000 | 178000 | 258500 | 2.2 | 2.81 |
| Bargarh | Spraying Coragen @ 0.2ml/lit at 60 & 90 DAP alternate with spraying of neem pesticides @ 5ml/lit. at 75 and 100 DAP | Brinjal | % of borer affected fruits | 10.1 | 3.2 | 73500 | 85000 | 195000 | 232000 | 121500 | 147000 | 2.65 | 2.72 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bargarh | Seed treatment with T. viridae @ 5gm/kg and spraying Ridomil 72MZ @ 2.5gm/lit. | Rice | Disease index | Continuing | | | | | | | | | |
| Bargarh | Spraying Thiomithoxam @ 2gm/lit followed by neem pesticides @ 5ml/lit. at 45 and 65 DAS | Bitter gourd | Fruit weight (Gm) | 130 | 172 | 62500 | 70000 | 171000 | 210000 | 117500 | 140000 | 2.75 | 3.0 |

## 3.4 Information about Home Science FLDs

| KVK name | Year | Season | Thematic Area | Problem Identified | Technology to be Demonstrated as Solution to the Identified Problem | Crop/ Enterprise (In which crop Enterprise or Farming Activity) | Name of Variety/Technology/Entreprizes | Farming Situation | Proposed area (ha) | No. of Beneficiaries |
|---|---|---|---|---|---|---|---|---|---|---|
| Bargarh | 2013 | Kharif | Income generating activities | Shortage of green fodder for milch cows | Cultivation of Hybrid Napier and feeding management of cows | Hybrid Napier | CO-3 | Irrigated | 0.4 | 13 |
| Bargarh | 2013-14 | Rabi | Income generating activities | Low income from rearing of local poultry bird | Rearing and feeding management along with vaccination of poultry | Poultry | Rainbow rooster | Irrigated | 100 nos | 13 |
| Bargarh | 2013-14 | Rabi | Income generating activities | Low income from local variety of marigold cultivation | HYV with suitable INM and IPDM practices of Marigold | Marigold | Pusa Basanti | Irrigated | 0.4 | 13 |
| Bargarh | 2013-14 | Rabi | Drudgery reduction | High degree drudgery on farm women during | Detrashing of sugarcane by using sugarcane stripper | Sugarcane stripper | Sugarcane stripper | Irrigated | 0.4 | 13 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | sugarcane trashing | | | | | | |
| | | | | | | | | | | |

## 3.5 Economic Performance Home Science FLDs:

| KVK name | Technology to be Demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Output m2/h | | Est. Energy Expenditure kj/min. | | WHR beat/min | | % reduction in drudgery | | % increase in efficiency | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Saving in Rs | BC ratio |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | |
| Bargarh | Cultivation of Hybrid Napier and feeding management of cows | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600 lit/cow/ 4 month | 710 lit/cow/ 4 month | 9300 | 10750 | 15600 | 18460 | 0 | 0 | 6300 | 7710 | 1410 | 1.7 |
| Bargarh | Rearing and feeding management along with vaccination of poultry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Continuing | | | | | | | | | | | |
| Bargarh | HYV with suitable INM and IPDM practices of Marigold | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115000 | 120000 | 165000 | 199500 | 11000 | 133000 | 50000 | 79500 | 29500 | 1.6 |
| Bargarh | Detrashing of sugarcane by using sugarcane stripper | 38 kg/hr | 47 kg/hr | 17.85 Kj/min/Kg | 12.5 Kj/min/Kg | 126 | 117 | 0 | 29 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | |

## 3.6 Training and Extension activities proposed under FLD

| KVK Name | Crop | Activity | No. of activities organized | Number of participants | Remarks |
|---|---|---|---|---|---|
| Bargarh | Ginger | Training | 1 | 25 | |
| Bargarh | Ginger | Field day | 1 | 50 | |
| Bargarh | Brinjal | Training | 1 | 25 | |
| Bargarh | Brinjal | CD Show | 1 | 25 | |
| Bargarh | Bitter gourd | Training | 1 | 25 | |
| Bargarh | Rice | Training | 1 | 25 | |
| Bargarh | Fodder production | Training | 1 | 25 | |
| Bargarh | Fodder production | Filed day | 1 | 50 | |
| Bargarh | Poultry management | Training | 1 | 25 | |
| Bargarh | Poultry management | CD Show | 1 | 50 | |
| Bargarh | Marigold | Training | 1 | 25 | |
| Bargarh | Marigold | Filed day | 1 | 50 | |
| Bargarh | Sugarcane stripper | Training | 1 | 25 | |
| Bargarh | Sugarcane stripper | Method demonstration | 1 | 50 | |

## 3.7 Details of FLD on crop hybrids.

| S. No. | Name of the KVK | Name of the Crop | Name of the Hybrids | Source of Hybrid (Institute/Firm) | No. of farmers | Area in ha. |
|---|---|---|---|---|---|---|
| | | | | | | |

# 4. Feedback System

## 4.1. Feedback of the Farmers to KVK

| Name of KVK | Feedback | | | |
|---|---|---|---|---|
| | **Technology appropriations** | **Methodology used** | **Benefits of OFT/FLD** | **Future Adoption** |
| **Bargarh** | Use of new generation pesticides against sucking pest of Rice | Group discussion & individual contact | Efficiency of new generation pesticides is high but cost is much more than the traditional pesticides | It will be adopted if the rates are cheaper. |
| **Bargarh** | Use of neem cake is more beneficial for control of rhizome rot in ginger | Interaction during field day | It is very effective and enhances the yield by 5-7 %. | Will be adopted at least if five villages comprising 210 farmers. |
| **Bargarh** | Variety Pusa Basanti with timely INM and IPDM practices | Group discussion, training | Yield is more and fetching more price in the market due size and lemon yellow colour of the flower | 4 more farmers are interested to take up marigold cultivation in commercial basis |
| **Bargarh** | Use of sugarcane stripper for stripping of leaves | Interview, Group discussion | Working output is more and drudgery is reduced due to stripping of leaves from both sides of sugarcanes simultaneously | Sugarcane growers of near by villages are interested for this equipment |
| **Bargarh** | Cultivation techniques of hybrid napier and feeding management of cows | Method demonstration, group discussion | Farmer can easily get greed fooder throughout the year as it is a perrinial grass | Farmers of nearby 3 villages are interested to grow hybrid napier. |

## 4.2. Feedback from KVK to Research System.

| Name of KVK | Feedback basic of OFT on Technology Tested |
|---|---|
| **Bargarh** | Establishment of a branch of commercial or cooperative bank in KVK premises |
| **Bargarh** | Finding a chemical which will suppress viviparous germination of selected Rice varieties . |
| **Bargarh** | Finding suitable brooding race of *Banaraja* poultry. |
| **Bargarh** | Finding a hormone or herbal formulation to enhance size of mushroom. |

# 4. Documentation of the need assessment conducted by the KVK for the training programme

| Name of KVK | Category of the training | Methods of need assessment | Date and place | No. of participants involved |
|---|---|---|---|---|
| Bargarh | Farmer & farm Women | PRA, Group discussion & interaction | 8.12.12, 10.1.2013, 7.2.2013, 20.3.2013, 14.4.13, Patrapalli, Ambabana, Brahmanipalli, Raisuba, Tukura | 350 |
| Bargarh | Rural Youth | Questionaries, Palli sabha, | 30.1.13,14.3.13, 7.4.2013, M.Gandapalli, Bargarh, Adagaon | 50 |
| Bargarh | Inservice personnel | Seminar, Workshop | 8.11.12, 10.3.2013, 25.3.2013 Sohela, Bargarh, Bhatli | 50 |

## Abbreviation Used

| | |
|---|---|
| FW | (A) Farmers & Farm Women |
| RY | (B) Rural Youths |
| IS | (C) Extension Personnel |
| ONC | On Campus Training Programme |
| OFC | Off Campus Training Programme |
| M | Male |
| F | Female |
| T | Total |
| **Thematic Areas for Training** | |
| CRP | Crop Production |
| HOV | Horticulture – Vegetable Crops |
| HOF | Horticulture-Fruits |
| HOO | Horticulture- Ornamental Plants |
| HOP | Horticulture- Plantation crops |
| HOT | Horticulture- Tuber crops |
| HOS | Horticulture- Spices |
| HOM | Horticulture- Medicinal and Aromatic Plants |
| SFM | Soil Health and Fertility Management |
| LPM | Livestock Production and Management |
| WOE | Home Science/Women empowerment |
| AEG | Agril. Engineering |
| PLP | Plant Protection |
| FIS | Fisheries |
| PIS | Production of Inputs at site |
| CBD | Capacity Building and Group Dynamics |
| AGF | Agro-forestry |
| OTH | Others |

| | |
|---|---|
| RYH | Rural Youth |
| EXP | Extension Personnel |

# 5. TRAINING PROGRAMMES

1. **Training programmes should be strictly covered under above mentioned thematic areas only,**
2. **For category, training type and thematic area, mention code/abbreviations only**

## Table 5.1. Details of Training programmes conducted by the KVKs

| Name of KVK | Cate-gory | Training Type | Thematic area | Training Title | No. of Courses | Duration (Days) | Participants | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Gen | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | | | | |
| Bargarh | FW | OFC | PLP | Integrated Disease Management in Kharif Groundnut | 1 | 1 | 4 | 0 | 4 | 0 | 0 | 0 | 17 | 0 |
| Bargarh | FW | OFC | PLP | Integrated Pest Management for stem borer in Rice | 1 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 18 | 0 |
| Bargarh | FW | OFC | PLP | Management of sucking pest of chilli | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| Bargarh | FW | OFC | PLP | IPM for management of blast and gall midge in Kharif Rice | 1 | 1 | 5 | 0 | 6 | 0 | 0 | 0 | 14 | 0 |
| Bargarh | FW | OFC | PLP | IDM for cucurbits | 1 | 1 | 12 | 0 | 1 | 0 | 0 | 0 | 12 | 0 |
| Bargarh | FW | OFC | PLP | IPM for management of leaf folder in Kharif Rice | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 23 | 0 |
| Bargarh | FW | OFC | PLP | IDM for wilt management in ginger | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 22 | 0 |
| Bargarh | FW | OFC | PLP | IPM for sugarcane pest | 1 | 1 | 4 | 0 | 5 | 0 | 0 | 0 | 16 | 0 |
| Bargarh | FW | OFC | PLP | Integrated Pest management for mustard | 1 | 1 | 1 | 0 | 8 | 0 | 4 | 0 | 12 | 0 |
| Bargarh | FW | OFC | PLP | Integrated Pest management in tomato | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 0 | 10 | 11 |
| Bargarh | FW | OFC | PLP | IPM for cole crops | 1 | 1 | 0 | 0 | 0 | 0 | 5 | 0 | 20 | 0 |
| Bargarh | FW | OFC | PLP | Integrated Pest management for bitter gourd | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 23 | 0 |
| Bargarh | FW | OFC | PLP | Management of fruit rot disease in summer Rice | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 24 | 0 |

| Name of KVK | Cate-gory | Training Type | Thematic area | Training Title | No. of Courses | Duration (Days) | Participants | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Gen | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Bargarh | FW | OFC | PLP | Management of sucking pest of beans | 1 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 21 | 0 |
| Bargarh | FW | OFC | PLP | Use of neem products in field crop perst control | 1 | 1 | 8 | 0 | 3 | 0 | 1 | 0 | 13 | 0 |
| Bargarh | FW | OFC | PLP | Management of mustard aphid | 1 | 1 | 0 | 0 | 8 | 0 | 3 | 0 | 14 | 0 |
| Bargarh | RY | ONC | PLP | Preparation of sprayble formulation of botanicals | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 14 | 0 |
| Bargarh | RY | ONC | PLP | Use and maintenance of different type of plant protection equipments | 1 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 9 |
| Bargarh | IS | OFC | PLP | Integrated Pest and disease management in Rice | 1 | 2 | 3 | 1 | 0 | 0 | 1 | 0 | 13 | 7 |
| Bargarh | IS | OFC | PLP | Advances in pest management of pulse crops | 1 | 2 | 0 | 0 | 0 | 0 | 5 | 1 | 18 | 1 |
| Bargarh | FW | OFC | PLP | Integrated pest and disease management in Blackgram | 1 | 1 | 3 | 0 | 0 | 0 | 7 | 0 | 15 | 0 |
| Bargarh | FW | OFC | CRP | Improved cultivation practices of Kharif Greengram | 1 | 1 | 1 | 0 | 10 | 0 | 3 | 0 | 11 | 0 |
| Bargarh | FW | OFC | CRP | Improved cultivation practices of Groundnut | 1 | 1 | 3 | 0 | 0 | 0 | 13 | 0 | 9 | 0 |
| Bargarh | FW | OFC | CRP | Improved cultivation practices of Blackgram | 1 | 1 | 0 | 0 | 2 | 0 | 6 | 0 | 17 | 0 |
| Bargarh | FW | OFC | CRP | Integrated nutrient management in Groundnut | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 22 | 0 |
| Bargarh | FW | OFC | CRP | Improved cultivation practices of cowpea | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 23 | 0 |
| Bargarh | FW | OFC | CRP | Integrated nutrient management in Blackgram | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 24 | 0 |
| Bargarh | FW | OFC | CRP | Crop diversification in rainfed upland | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 24 | 0 |
| Bargarh | FW | OFC | CRP | Improved cultivation technologies of Rabi Groundnut | 1 | 1 | 0 | 0 | 0 | 0 | 5 | 0 | 20 | 0 |
| Bargarh | FW | OFC | CRP | Improved cultivation technologies of Rabi Greengram | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 24 | 0 |
| Bargarh | FW | OFC | CRP | Biofertilizer application in | 1 | 1 | 0 | 0 | 0 | 0 | 13 | 0 | 12 | 0 |

| Name of KVK | Cate-gory | Training Type | Thematic area | Training Title | No. of Courses | Duration (Days) | Participants | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Gen | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | Rabi pulses | | | | | | | | | | |
| Bargarh | FW | OFC | CRP | Improved cultivation practices of Rabi pulses | 1 | 1 | 2 | 0 | 0 | 0 | 5 | 0 | 18 | 0 |
| Bargarh | FW | OFC | WOE | Cultivation techniques of Okra in kitchen garden | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 13 | 0 | 10 |
| Bargarh | FW | OFC | WOE | Value addition of watermelon | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 20 |
| Bargarh | FW | OFC | WOE | Value addition of lemon | 1 | 1 | 0 | 2 | 0 | 5 | 0 | 13 | 0 | 5 |
| Bargarh | FW | OFC | WOE | Planning, Layout and crop rotation in nutritional garden | 1 | 1 | 0 | 7 | 0 | 3 | 0 | 0 | 0 | 15 |
| Bargarh | FW | OFC | WOE | Usages of different weeder for drudgery reduction | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 22 |
| Bargarh | FW | OFC | WOE | Techniques of Rice straw mushroom cultivation | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 11 | 0 | 12 |
| Bargarh | RY | ONC | WOE | Rice straw mushroom cultivation for self employment | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 12 |
| Bargarh | FW | OFC | WOE | Cultivation techniques and uses of hybrid napier | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Bargarh | FW | OFC | WOE | Raising of vegetable seedlings in nursery | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 23 |
| Bargarh | FW | OFC | WOE | Value addition to mushroom | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Bargarh | FW | OFC | WOE | Use of small agricultural implements for drudgery reduction | 1 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 19 |
| Bargarh | RY | ONC | WOE | Use of azolla as supplementary feed stuff for milch cows | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 9 |
| Bargarh | FW | OFC | WOE | Cultivation technology of marigold for income generation | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 23 |
| Bargarh | FW | OFC | WOE | Storage of cereal & pulses by use of ITKs | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 19 |
| Bargarh | RY | ONC | WOE | Preparation of vermicompost unit For additional income | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 13 |
| Bargarh | IS | OFC | WOE | Supplementary diet for | 1 | 1 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 9 |

| Name of KVK | Cate-gory | Training Type | Thematic area | Training Title | No. of Courses | Duration (Days) | Participants | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Gen | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | anemic women | | | | | | | | | | |
| Bargarh | FW | OFC | WOE | Techniques of oyster mushroom cultivation | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 12 | 0 | 9 |
| Bargarh | RY | ONC | WOE | Oyster mushroom cultivation for self employment | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5 |
| Bargarh | FW | OFC | WOE | Value addition to tomato | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 21 |
| Bargarh | FW | OFC | WOE | Rearing management of dual purpose poultry bird in backyard | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 |

**Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs**

| Name of KVK | Training title | Crop / Enterprise | Identified Thrust Area | Duration of training (days) | Number of Beneficiaries | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Gen | | SC | | ST | | Others | |
| | | | | | M | F | M | F | M | F | M | F |
| | | | | | | | | | | | | |
| Bargarh | Value addition to fruits and vegetables | Enterprise | Value addition | 5 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 3 |

**Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs**

| Name of KVK | Training title | Self employed after training | | | Number of persons employed else where |
|---|---|---|---|---|---|
| | | Type of units | Number of units | Number of persons employed | |
| | | | | | |

**Table 5.4. Sponsored Training Programmes**

| Name of KVK | Title | Thematic area (as given in abbreviation table) | Sub-theme (as per column no 5 of Table T1) | Client (FW/ RY/ IS) | Dura-tion (days) | No. of courses | No. of Participants | | | | | | | | Sponsoring Agency | Fund received for training (Rs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Gen | | Others | | SC | | ST | | | |
| | | | | | | | M | F | M | F | M | F | M | F | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

**Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members**

| Name of KVK | Title | Thematic area (as given in abbreviation table) | Sub-theme (as per column no 5 of Table T1) | Client (FW/ RY/ IS) | Dura-tion (days) | No. of courses | No. of Participants | | | | | | | | Sponsoring Agency | Fund received for training (Rs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Gen | | Others | | SC | | ST | | | |
| | | | | | | | M | F | M | F | M | F | M | F | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

**Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)**

| Name of KVK | Title of the training | No. of trainees | Change in knowledge (Score) | | Change in Production (q/ha) | | Change in Income (Rs) | | Impact on<br>1. Area expanded (ha)<br>2. No. of farmers adopted (no.)<br>3. % change in knowledge, production & Income |
|---|---|---|---|---|---|---|---|---|---|
| | | | Before | After | Before | After | Before | After | |
| Bargarh | IDM in Kharif Groundnut | 25 | 7 | 15 | 9.5 | 11.5 | 47500 | 57500 | 1. Area expanded (ha)-41<br>2. No. of farmers adopted (no.)-55<br>3. % change in knowledge, -8<br>production -21<br>Income -21 |
| Bargarh | IPM for stem borer in Rice | 25 | 8 | 20 | 30.1 | 32.2 | 40635 | 43470 | 1. Area expanded (ha)-65<br>2. No. of farmers adopted (no.)-40<br>3. % change in knowledge, -12<br>production -7<br>Income -7 |
| Bargarh | Management of sucking pest of chilli | 25 | 12 | 31 | 10.2 | 13.3 | 122000 | 153000 | 1. Area expanded (ha)-14<br>2. No. of farmers adopted (no.)-32<br>3. % change in knowledge, 19-<br>production -30<br>Income -30 |
| Bargarh | IPM for management of blast and gall midge in Kharif Rice | 25 | 15 | 20 | 32.3 | 34.3 | 43605 | 46305 | 1. Area expanded (ha)-75<br>2. No. of farmers adopted (no.)-58<br>3. % change in knowledge, 5-<br>production -6<br>Income -6 |
| Bargarh | IDM for cucurbits | 25 | 6 | 14 | 150 | 159 | 150000 | 160000 | 1. Area expanded (ha)- 11<br>2. No. of farmers adopted (no.)-28<br>3. % change in knowledge, -8<br>production -6<br>Income -6 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bargarh | IPM for management of leaf folder in Kharif Rice | 25 | 5 | 25 | 28 | 31.3 | 37800 | 42255 | 1. Area expanded (ha)- 82<br>2. No. of farmers adopted (no.)-61<br>3. % change in knowledge, -20<br>production -11<br>Income -11 |
| Bargarh | IDM for wilt management in ginger | 25 | 13 | 37 | 98 | 120 | 306000 | 360000 | 1. Area expanded (ha)- 13<br>2. No. of farmers adopted (no.)-27<br>3. % change in knowledge, -24<br>production -22<br>Income -22 |
| Bargarh | IPM for sugarcane pest | 25 | 7 | 21 | 700 | 850 | 154000 | 187000 | 1. Area expanded (ha)- 58<br>2. No. of farmers adopted (no.)-43<br>3. % change in knowledge, -14<br>production -21<br>Income -21 |
| Bargarh | Integrated Pest management for mustard | 25 | 6 | 24 | 4.5 | 5.6 | 22500 | 28000 | 1. Area expanded (ha)- 42<br>2. No. of farmers adopted (no.)-18<br>3. % change in knowledge, -18<br>production -24<br>Income -24 |
| Bargarh | Integrated Pest management in tomato | 25 | 5 | 27 | 180 | 200 | 180000 | 200000 | 1. Area expanded (ha)- 90<br>2. No. of farmers adopted (no.)-48<br>3. % change in knowledge, -22<br>production -11<br>Income -11 |
| Bargarh | IPM for cole crops | 25 | 14 | 31 | 170 | 180 | 85000 | 95000 | 1. Area expanded (ha)- 30<br>2. No. of farmers adopted (no.)-21<br>3. % change in knowledge, -17<br>production -6<br>Income -6 |
| Bargarh | Integrated Pest management for bitter gourd | 25 | 11 | 40 | 35 | 45 | 245000 | 315000 | 1. Area expanded (ha)- 13<br>2. No. of farmers adopted (no.)-32<br>3. % change in knowledge, -29<br>production -28<br>Income -28 |
| Bargarh | Management of fruit rot disease in summer Rice | 25 | 17 | 21 | 33 | 36 | 44550 | 47250 | 1. Area expanded (ha)- 58<br>2. No. of farmers adopted (no.)-19<br>3. % change in knowledge, -4<br>production -9<br>Income -9 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bargarh | Management of sucking pest of beans | 25 | 18 | 25 | 30 | 38 | 30000 | 38000 | 1. Area expanded (ha)- 6<br>2. No. of farmers adopted (no.)-15<br>3. % change in knowledge, -7<br>production -27<br>Income -27 |
| Bargarh | Use of neem products in field crop(brinjal) pest control | 25 | 8 | 26 | 160 | 176 | 160000 | 175000 | 1. Area expanded (ha)-34<br>2. No. of farmers adopted (no.)-27<br>3. % change in knowledge, -18<br>production -6<br>Income -6 |
| Bargarh | Management of mustard aphid | 25 | 2 | 25 | 5.0 | 6.1 | 25000 | 30500 | 1. Area expanded (ha)-25<br>2. No. of farmers adopted (no.)-18<br>3. % change in knowledge, -23<br>production -22<br>Income -22 |
| Bargarh | Preparation of sprayble formulation of botanicals | 15 | 5 | 33 | - | - | 0 | 2000 | 1. Area expanded (ha)- 15<br>2. No. of farmers adopted (no.)-20<br>3. % change in knowledge, -28<br>production -<br>Income -100 |
| Bargarh | Use and maintenance of different type of plant protection equipments | 15 | 4 | 24 | - | - | 0 | 1500 | 1. Area expanded (ha)-<br>2. No. of farmers adopted (no.)-40<br>3. % change in knowledge, -20<br>production -0<br>Income -100 |
| Bargarh | Integrated Pest and disease management in Rice | 25 (IS) | 40 | 65 | 35 | 38.2 | 47250 | 51750 | 1. Area expanded (ha)- 30<br>2. No. of farmers adopted (no.)- 36<br>3. % change in knowledge, -62.5<br>production -9.1<br>Income -9.1 |
| Bargarh | Advances in pest management of pulse crops | 25 (IS) | 20 | 27 | 6.8 | 7.5 | 34000 | 37500 | 1. Area expanded (ha)-20<br>2. No. of farmers adopted (no.)-27<br>3. % change in knowledge, -35<br>production -10.2<br>Income -10.2 |
| Bargarh | Improved cultivation practices of Kharif Greengram | 25 | 15 | 28 | 3.5 | 5.8 | 17500 | 29000 | 1. Area expanded (ha)-22<br>2. No. of farmers adopted (no.)-35<br>3. % change in knowledge, -86<br>production -37.1<br>Income -37.1 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bargarh | Improved cultivation practices of Groundnut | 25 | 32 | 43 | 13 | 15.5 | 52000 | 62000 | 1. Area expanded (ha)-75<br>2. No. of farmers adopted (no.)-45<br>3. % change in knowledge, -34<br>production -19<br>Income -19 |
| Bargarh | Improved cultivation practices of Blackgram | 25 | 7 | 15 | 8.2 | 9.8 | 36900 | 44100 | 1. Area expanded (ha)- 15<br>2. No. of farmers adopted (no.)-27<br>3. % change in knowledge, -114<br>production -20<br>Income -20 |
| Bargarh | Integrated pest and disease management in Blackgram | 25 | 10 | 19 | 7.8 | 9.2 | 35100 | 41400 | 1. Area expanded (ha)-25<br>2. No. of farmers adopted (no.)-40<br>3. % change in knowledge, -90<br>production -18<br>Income -18 |
| Bargarh | Integrated nutrient management in Groundnut | 25 | 17 | 28 | 15 | 22 | 75000 | 111000 | 1. Area expanded (ha)-52<br>2. No. of farmers adopted (no.)-45<br>3. % change in knowledge, -64<br>production -46<br>Income -46 |
| Bargarh | Improved cultivation practices of cowpea | 25 | 11 | 20 | 3.5 | 4.6 | 17500 | 23000 | 1. Area expanded (ha)- 10<br>2. No. of farmers adopted (no.)-23<br>3. % change in knowledge, -81<br>production -31<br>Income -31 |
| Bargarh | Integrated nutrient management in Blackgram | 25 | 12 | 20 | 6.7 | 8.3 | 30150 | 37350 | 1. Area expanded (ha)-17<br>2. No. of farmers adopted (no.)-24<br>3. % change in knowledge, -66<br>production -24<br>Income -24 |
| Bargarh | Crop diversification in rainfed upland | 25 | 10 | 18 | 10 | 14 | 13500 | 18900 | 1. Area expanded (ha)-30<br>2. No. of farmers adopted (no.)-54<br>3. % change in knowledge, -80<br>production -40<br>Income -40 |
| Bargarh | Improved cultivation technologies of Rabi Groundnut | 25 | 25 | 32 | 15 | 21 | 75000 | 105000 | 1. Area expanded (ha)- 7<br>2. No. of farmers adopted (no.)-16<br>3. % change in knowledge, -28<br>production -40<br>Income -40 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bargarh | Improved cultivation technologies of Rabi Greengram | 25 | 35 | 47 | 6 | 8.5 | 30000 | 42500 | 1. Area expanded (ha)-15<br>2. No. of farmers adopted (no.)-32<br>3. % change in knowledge, -34<br>production -41<br>Income -41 |
| Bargarh | Biofertilizer application in Rabi pulses | 25 | 5 | 12 | 6.3 | 6.8 | 31500 | 34000 | 1. Area expanded (ha)- 14<br>2. No. of farmers adopted (no.)-40<br>3. % change in knowledge, -140<br>production -7<br>Income -7 |
| Bargarh | Improved cultivation practices of Rabi pulses | 25 | 17 | 23 | 5.8 | 7.3 | 26100 | 32850 | 1. Area expanded (ha)- 32<br>2. No. of farmers adopted (no.)-47<br>3. % change in knowledge, -35<br>production -25<br>Income -25 |
| Bargarh | Cultivation techniques of Okra in kitchen garden | 25 | 34 | 41 | 1 | 1.3 | 100 | 1300 | 1. Area expanded (ha)- 6<br>2. No. of farmers adopted (no.)-18<br>3. % change in knowledge, -21<br>production -30<br>Income -30 |
| Bargarh | Value addition of watermelon | 25 | 14 | 20 | 0 | 0 | 1500 | 2150 | 1. Area expanded - 8 village<br>2. No. of farmers adopted (no.)-12<br>3. % change in knowledge, -42<br>production -<br>Income -43 |
| Bargarh | Value addition of lemon | 25 | 18 | 24 | 0 | 0 | 2200 | 3050 | 1. Area expanded -12 villages<br>2. No. of farmers adopted (no.)-19<br>3. % change in knowledge, -33<br>production -<br>Income -38 |
| Bargarh | Planning, Layout and crop rotation in nutritional garden | 25 | 44 | 60 | 5 | 7 | 5500 | 7800 | 1. Area expanded (ha)-12<br>2. No. of farmers adopted (no.)-21<br>3. % change in knowledge, -35<br>production -40<br>Income -41 |
| Bargarh | Usages of different weeder for drudgery reduction | 25 | 22 | 26 | 0 | 0 | 13000 | 17000 | 1. Area expanded -24 units<br>2. No. of farmers adopted (no.)-8<br>3. % change in knowledge, -21<br>production -<br>Income -30 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bargarh | Techniques of Rice straw mushroom cultivation | 25 | 36 | 48 | 0 | 12 kg/bed | 0 | 36000 | 1. Area expanded – 12 village<br>2. No. of farmers adopted (no.)-22<br>3. % change in knowledge, -33<br>production -92<br>Income -92 |
| Bargarh | Rice straw mushroom cultivation for self employment | 15 | 38 | 52 | 0 | 1.25 kg/bed | 0 | 36500 | 1. Area expanded -12 village<br>2. No. of farmers adopted (no.)-11<br>3. % change in knowledge, -36<br>production -93<br>Income -93 |
| Bargarh | Cultivation techniques and uses of hybrid napier | 25 | 13 | 15 | 150 ltrs/month | 180 ltrs/month | 3900 | 4680 | 1. Area expanded -4 village<br>2. No. of farmers adopted (no.)-6<br>3. % change in knowledge, -15<br>production -20<br>Income -20 |
| Bargarh | Raising of vegetable seedlings in nursery | 25 | 42 | 54 | 200 | 220 | 70000 | 95000 | 1. Area expanded - 16 village<br>2. No. of farmers adopted (no.)-17<br>3. % change in knowledge, -28<br>production -10<br>Income -35 |
| Bargarh | Value addition to mushroom | 25 | 18 | 21 | 0 | 0 | 3600 | 4400 | 1. Area expanded -4 villages<br>2. No. of farmers adopted (no.)-11<br>3. % change in knowledge, -16<br>production -<br>Income -22 |
| Bargarh | Use of small agricultural implements for drudgery reduction | 25 | 24 | 33 | 0 | 0 | 12000 | 15000 | 1. Area expanded – 12 units<br>2. No. of farmers adopted (no.)-14<br>3. % change in knowledge, -37<br>production -<br>Income -25 |
| Bargarh | Use of azolla as supplementary feed stuff for milch cows | 15 | 12 | 15 | 240 lirs/month | 270 ltrs/month | 3600 | 4600 | 1. Area expanded -5 villages<br>2. No. of farmers adopted (no.)-12<br>3. % change in knowledge, -25<br>production -12<br>Income -27 |
| Bargarh | Cultivation technology of marigold for income generation | 25 | 37 | 50 | 120 | 145 | 24000 | 33000 | 1. Area expanded (ha)- 5<br>2. No. of farmers adopted (no.)-15<br>3. % change in knowledge, -35<br>production -20<br>Income -37 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bargarh | Storage of cereal & pulses by use of ITKs | 25 | 41 | 54 | 0 | 0 | 5800 | 6700 | 1. Area expanded – 9 villages<br>2. No. of farmers adopted (no.)-20<br>3. % change in knowledge, -17<br>production -0<br>Income -13 |
| Bargarh | Preparation of vermicompost unit For additional income | 15 | 24 | 32 | 3.7 | 4.8 | 2800 | 4800 | 1. Area expanded – 7 villages<br>2. No. of farmers adopted (no.)-18<br>3. % change in knowledge, -35<br>production -29<br>Income -71 |
| Bargarh | Supplementary diet for anemic women | 15 | 42 | 56 | 0 | 0 | 0 | 0 | 1. Area expanded – 5 villages<br>2. No. of farmers adopted (no.)-10<br>3. % change in knowledge, -34<br>production -<br>Income - |
| Bargarh | Techniques of oyster mushroom cultivation | 25 | 32 | 40 | 0 | 2.1 kg/bed | 0 | 5700 | 1. Area expanded – 7 villages<br>2. No. of farmers adopted (no.)-18<br>3. % change in knowledge, -28<br>production -81<br>Income -81 |
| Bargarh | Oyster mushroom cultivation for self employment | 15 | 30 | 37 | 0 | 2 kg/bed | 0 | 5600 | 1. Area expanded – 7 villages<br>2. No. of farmers adopted (no.)-11<br>3. % change in knowledge, -23<br>production -80<br>Income -80 |
| Bargarh | Value addition to tomato | 25 | 15 | 18 | 0 | 0 | 2500 | 3600 | 1. Area expanded-8 village<br>2. No. of farmers adopted (no.)-17<br>3. % change in knowledge, -22<br>production -<br>Income -44 |
| Bargarh | Rearing management of dual purpose poultry bird in backyard | 25 | 39 | 51 | 3.1 kg body wt & 50 egg/annum | 5.4 kg body wt. & 160 eggs per annum | 6000 | 10500 | 1. Area expanded – 7 village<br>2. No. of farmers adopted (no.)-18<br>3. % change in knowledge, -32<br>production -74<br>Income -78 |

## 6. EXTENSION ACTIVITIES

| Name of the KVK | Activity | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants | | | | | | Remarks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Farmers (Others) | | SC/ST (Farmers) | | Extension Officials | | Purpose | Topic s | Crop Stages |
| | | | | M | F | M | F | M | F | | | |
| Bargarh | Field Day | 8 | 5 | 110 | 88 | 40 | 12 | 6 | 3 | Spread out the new techlogies | Crop cutting, yield assessment | Harvesting stage |
| Bargarh | Kisan Mela | 1 | 1 | 193 | 100 | 30 | 52 | 4 | 2 | Awareness | New varieties | |
| Bargarh | Kisan Ghosthi | 10 | 10 | 92 | 23 | 20 | 10 | 2 | 1 | Capacity building | Self employment | |
| Bargarh | Exhibition | 3 | 3 | 1700 | 525 | 420 | 175 | 35 | 27 | Exhibit new technologies | Banaraja, Khaki Campbell, Rice winnower | |
| Bargarh | Film Show | 15 | 15 | 220 | 42 | 100 | 90 | 12 | 9 | Awareness | Green & Poly house technology | |
| Bargarh | Method Demonstrations | 7 | 7 | 23 | 10 | 25 | 9 | 4 | 1 | Skill developme nt | Preparation of botanicals | |
| Bargarh | Farmers Seminar | 4 | 4 | 60 | 25 | 30 | 15 | 3 | 7 | Income generation | Integrated approach | |
| Bargarh | Workshop | 2 | 2 | 13 | 12 | 18 | 10 | 2 | 4 | Knowledge enhanceme nt | Use of power sprayer and small implements | Tillering stage and PI stage |
| Bargarh | Group meetings | 15 | 15 | 101 | 30 | 58 | 27 | 7 | 8 | Disease diagnosis | Seed borne leaf curl, disease | Seedling stage and trailing stage |
| Bargarh | Lectures delivered as resource persons | 20 | 16 | 225 | 75 | 80 | 20 | 30 | 12 | Teaching | IPM,ICM, Crop diversificatio n, value addition | All stage |
| Bargarh | Newspaper coverage | 6 | 5 | mass | | | | | | Awareness | SAC, Achievement of KVK | |
| Bargarh | Radio talks | 8 | 6 | Mass | | | | | | Awareness | Skill development, income generation | |
| Bargarh | TV talks | 8 | 8 | Mass | | | | | | Mass coverage | Organic farming, protected cultivation, production of bi products | |
| Bargarh | Popular articles | 1 | 1 | 40 | 15 | 22 | 15 | 6 | 2 | Knowledge enhanceme | Use of bio agents, | |

| Name of the KVK | Activity | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants | | | | | | Remarks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Farmers (Others) | | SC/ST (Farmers) | | Extension Officials | | Purpose | Topic s | Crop Stages |
| | | | | M | F | M | F | M | F | | | |
| | | | | | | | | | | nt | Information about agricultural schemes | |
| Bargarh | Extension Literature | 4 | 4 | 1240 | 360 | 428 | 22 | 24 | 6 | Change of attitude | Income generation through self employment | |
| Bargarh | Farm advisory Services | 120 | 120 | 210 | 60 | 70 | 10 | 50 | 30 | More yield | Timely irrigation and drainage | Maturity stage |
| Bargarh | Scientific visit to farmers field | 121 | 143 | 138 | 93 | 89 | 49 | 4 | 0 | To solve Field problems | Control of gall midge, blast, panicle mite, F&M disease of cow, Ranikhet disease of poultry | |
| Bargarh | Farmers visit to KVK | 355 | 384 | 214 | 59 | 57 | 54 | 3 | 1 | Collection of seedlings | High yielding varieties, spawn | |
| Bargarh | Diagnostic visits | 121 | 143 | 138 | 93 | 89 | 49 | 14 | 6 | To solve Field problems | Irrigular fruiting of maize, uneven flowering of Rice | |
| Bargarh | Exposure visits | 0 | 0 | | | | | | | | | |
| Bargarh | Ex-trainees Sammelan | 1 | 1 | 6 | 15 | 2 | 2 | | | Change of knowledge | Rearing poultry birds | |
| Bargarh | Soil health Camp | 3 | 3 | 22 | 3 | 15 | 8 | | | Awareness | Testing of pH of soil | |
| Bargarh | Animal Health Camp | 0 | 0 | | | | | | | | | |
| Bargarh | Agri mobile clinic | 0 | 0 | | | | | | | | | |
| Bargarh | Soil test campaigns | 4 | 4 | 44 | 11 | 30 | 10 | 3 | 1 | Awareness | Application of fertilizer based on soil test report | |
| Bargarh | Farm Science Club conveners meet | 8 | 8 | 97 | 0 | 53 | 0 | 6 | 0 | Change analysis | Farm mechanizatio n | |
| Bargarh | Self Help Group conveners meetings | 12 | 12 | 0 | 108 | 0 | 72 | 0 | 6 | Adoption | Value addition and vocational activities | |

| Name of the KVK | Activity | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants | | | | | | Remarks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Farmers (Others) | | SC/ST (Farmers) | | Extension Officials | | Purpose | Topic s | Crop Stages |
| | | | | M | F | M | F | M | F | | | |
| Bargarh | Mahila Mandals conveners meetings | 2 | 2 | 0 | 12 | 0 | 8 | 0 | 2 | Enhancement of their income | Dairy management | |
| Bargarh | Celebration of important days (World environment day) | 4 | 3 | 120 | 50 | 45 | 40 | 7 | 3 | Celebration | Food security, Income security, women Empowerment | |

# 7. Literature Developed/Published (with full title, author & reference)

## 7.1 KVK Newsletters

| KVK Name | Date of start | Periodicity | Number of copies printed | Number of copies distributed |
|---|---|---|---|---|
| Bargarh | 1.4.2013 | Quarterly | 500 | 500 |

## 7.2 Literature developed/published

| KVK Name | Type | Title | Author's name | Number of copies |
|---|---|---|---|---|
| Bargarh | | | | |

### 7.3 Details of Electronic Media Produced

| KVK Name | Type of media (CD / VCD / DVD / Audio-Cassette) | Title of the programme | Number |
|---|---|---|---|
| | | | |

# 8. Production and supply of Technological products

**8.1 SEED production**

| KVK Name | Major group/class | Crop | Variety | Quantity (qt.) | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|---|---|---|---|---|---|---|---|
| Bargarh | Cereals | Rice | Lalat | 62.8 | 143812 | 75 | 105 |
| Bargarh | Cereals | Rice | MTU 1001 | 279.2 | 639368 | 350 | 465 |
| Bargarh | Cereals | Rice | Ranidhan | 238.4 | 549600 | 310 | 400 |
| Bargarh | Cereals | Rice | Lalat | 25.4 | 58166 | 40 | 42 |
| Bargarh | Oilseed | Groundnut | Smruti | 10.2 | 50000 | 25 | 10 |

**8.2 Planting Material production**

| KVK Name | Major group/class | Crop | Variety | Nos. | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|---|---|---|---|---|---|---|---|
| Bargarh | Vegetable Seedlings | Brinjal | VNR 218 | 1200 | 600 | 40 | 2 |
| Bargarh | Vegetable Seedlings | Chilli | Utkal Ava | 1500 | 750 | 35 | 1.5 |
| Bargarh | Vegetable Seedlings | Papaya | Red lady | 120 | 1440 | 20 | 1 |
| Bargarh | Vegetable Seedlings | Drumstick | PKM 1 | 100 | 500 | 20 | 1 |

**8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct**

| KVK Name | Major Group Bio agent/Bio fertilizers/Bio Pesticides | Name of the Product | Qty (In Kg) | Qty (In No) | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|---|---|---|---|---|---|---|---|
| Bargarh | Bio Agents | | | | | | |
| Bargarh | Bio Fertilizer | Vermicompost | 2330 | - | 16310 | 40 | 10 |

**8.4 Livestock and fisheries production**

| KVK Name | Name of the animal / bird / aquatics | Breed | Type of Produce | Qty. (kg/qt./litre) | Value (Rs.) | No. of Beneficiaries |
|---|---|---|---|---|---|---|
| Bargarh | | | | | | |
| | | | | | | |

## 9. Activities of Soil and Water Testing Laboratory

### 9.1 Details of soil samples analyzed so far:

| KVK Name | Status of establishment of Lab | Year of establishment | Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized | Soil report distributed to the farmers (Nos) |
|---|---|---|---|---|---|---|---|---|
| **Bargarh** | Running | 2004-05 | NPK, Organic Carbon, pH, EC etc | 58 | 58 | 12 | 0 | 58 |

### 9.2 Details of water samples analyzed so far :

| KVK Name | Status of establishment of Lab | Year of establishment | Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized | Water report distributed to the farmers (Nos) |
|---|---|---|---|---|---|---|---|---|
| **Bargarh** | Running | 2004-05 | | 0 | 0 | 0 | 0 | 0 |

## 10. Rainwater Harvesting

### Training programmes conducted by using Rainwater Harvesting Demonstration Unit

| Name of KVK | Date | Title of the training course | Client (PF/RY/EF) | No. of Courses | No. of Participants including SC/ST | | | No. of SC/ST Participants | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Male | Female | Total | Male | Female | Total |
| | | | | | | | | | | |

## 11. Utilization of Farmers Hostel facilities

| KVK Name | Months | Year | Title of the training course | Duration of training | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) | Accommodation available (No. of beds) |
|---|---|---|---|---|---|---|---|---|
| Bargarh | Nil | | | | | | | |

## 12. Utilization of Staff Quarters facilities

| KVK Name | Year of construction | Year of allotment | No. of quarters occupied | No. of quarters vacant | Reasons for vacant quarters, if any |
|---|---|---|---|---|---|
| Bargarh | 1995 | 1998 | 0 | 0 | Inhabitable condition |

## 13. **Details of SAC Meeting**

| KVK Name | Date of SAC meeting | No. of SAC members attended | Major recommendations |
|---|---|---|---|
| Bargarh | **30.07.2013** | **36** | 1. Application of Azolla in Rice as it add a lot of potash to Rice fields<br>2. Cultivation of sugarcane following SSI method for increasing productivity and to feed Bargarh sugar mill sufficiently.<br>3. To take more demonstration on Kharif groundnut along with Arhar as intercrop.<br>4. Spread of all programmes through Krushak Clubs<br>5. Construction of IFS model in atleast an area of 3-4 acres of land in each block.<br>6. Popularisation of Azolla cultivation in massive scale to supplement cattle field and increase in milk yield.<br>7. FLD on cultivation of hybrid Napier as well as Berseem and perennial lucern in the district.<br>8. More emphasis on cultivation of Dhanicha s green manure crop.<br>9. Application weedicides in groundnut to reduce cost of weeding.<br>10. Emphasis on protected cultivation in greenhouse, polyhouse etc. for raising seedling<br>11. Popularising mulching in orchards and spice crops for efficient moisture conservation<br>12. Popularise ITK methods for controlling different pest and diseases.<br>13. Campaign against excess use of total killers.<br>14. Popularization for rearing of backyard poultry.<br>15. Drudgery reduction of farm women |

## 14. **Status of Kisan Mobile Advisory (KVK-KMA)**

| KVK Name | No. of messages sent | No. of beneficiary | | Sponsoring agency (NIC, Farmers Portal, etc.) | Major recommendations |
|---|---|---|---|---|---|
| | | **Farmers** | **Ext. Pers.** | | |
| Bargarh | 120 | 416 | 25 | Farmer's Portal | Crop Production, Plant Protection, Marketing, Awareness, Livestock, Horticulture |

## 15. Status of Convergence with various agricultural schemes (Central & State sponsored)

| KVK Name | Name of scheme | Name of Agency (Central/state) | Funds received (Rs.) | Activities organized | Operational Area | Remarks |
|---|---|---|---|---|---|---|
| **Bargarh** | **BGREI** | **State** | **50000** | **Monitoring of line transplanting of Rice, pest surveillance and advice to farmers** | **Bargarh district** | **P.C & SMS(PP) are involved in the scheme** |
| **Bargarh** | **ATMA** | **State** | **3000** | **District level farmers fair** | **Bargarh city** | **Arrangement of Exhibition** |

## 16. Status of Revolving Funds (Rs.)

| KVK Name | Account No. | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|---|---|---|---|---|
| Bargarh | 30163765041 | 38850 | 337374 | 337374 |

## 17. Awards & Recognitions

| KVK Name | Name of award /awardee | Type of award (Ind./Group/Inst./Farmer) | Awarding Organizations | Amount received |
|---|---|---|---|---|
| Bargarh | Lt. Dolamani Sahu | Individual- Jagjivan Ram Abhinab Kisan Puraskar | ICAR, new Delhi | 50,000 |

## 18. Details of KVK Agro-technological Park .

### a) Have you prepared layout plan, where sent?

| S .No. | Name of KVK | Technology park proposal developed(yes/no) | If yes, where sent ? (ZPD/DES/any other, pl. sp.) |
|---|---|---|---|
| 1 | Bargarh | No | |

### b) Details about Technology Park

| Name of KVK | Name of Component of Park | Detail Information (If established) |
|---|---|---|
| Bargarh | Crop Cafeteria | Established during 2012-13 |
| Bargarh | Technology Desk | |
| Bargarh | Visitors Gallery | |
| Bargarh | Technology Exhibition | |
| Bargarh | Technology Gate-Valve | |

**c). Crop Cafeteria-**

| Sr. No. | Theme of Crop Cafeteria | No. of Crop Cafeteria |
|---|---|---|
| 1. | Tuber crop for rainfed upland | Elephant foot yam, Yam, Colocacea, Sweet Potato |
| 2. | Commercial Spices crop | Ginger, Turmeric, Onion, Garlic |
| 3. | Orchard crop | Mango, Pineapple, Pomegranate,Litchi |
| 4. | Medicinal Plant | Aloe vera, Stevia, Safed Musli, Amla |
| 5. | Floriculture | Tube rose, Gladioli, Rose, Jasmine |
| | **Area 2.0 acre each 0.4 acre** | **Area under individual item 0.1 acre** |

## 19. Farm Innovators- list of 10 Farm Innovators from the District

| Sr. No. | Name of KVK | Name of Farm Innovator | Name of the Innovation | Address of the farmer with Mobile No. |
|---|---|---|---|---|
| 1 | Bargarh | Saroj Kumar Patra | Use of sugarcane bud chipper | At-Patrapalli, po-Nuagada, Dist-Bargarh, Mob-7873131223 |
| 2 | Bargarh | Jasbanta Budhia | Intercropping Ginger in banana | At-Raisuba, Po-Mulbar, Dist-Bargarh, Mob- 9556112085 |
| 3 | Bargarh | Bilasini Khamari | Cultivation technology of marigold variety Pusa Basanti | At/Po-Kharsola, Dist-Bargarh, Mob-9937667111 |
| 4 | Bargarh | Puspanjali Sadangi | Hybrid napier production | At-/Po-Kudapalli, Dist-Bargarh, Mob-9777404816 |
| 5 | Bargarh | Jagyansini Nayak | IFS system | At-Pradhantikira, Po-Kubedega, Dist-Bargarh, Mob-9861172638 |
| 6 | Bargarh | Dushmanta Patra | Drip irrigation in chilli | At-Ludupalli, po-Ambabana, dist-Bargarh, Mob-9777388768 |
| 7 | Bargarh | Dineswar Sahu | SRI method | At/po-Purena, , Dist-Bargarh, Mob-9178522322 |
| 8 | Bargarh | Tilotama Chanda | Supplementation of vitamin and mineral mixture to milch cows | At-Naikenpalli Po-Kadobahal, Dist-Bargarh, Mob-9777960469 |
| 9 | Bargarh | Sachidananda Meher | Duckery with Khaki Camphbell | At/PO-Tukurla,Dist-Bargarh, Mob-8018942749 |
| 10 | Bargarh | Gangadhar Pradhan | Summer vegetable | At-M.Gandapalli, po-Jaringi, Dist-Bargarh, Mob-9937678199 |

**20. KVK interaction with progressive farmers**

| Sr. No. | Date and month of interaction programme with progressive farmers | No. of progressive farmers to be participated |
|---|---|---|
| 1 | 22.11.2013 to 23.11.2013 | 25 |
| 2 | 27.01.2014 | 50 |
| 3 | 11.3.2014 | 25 |

## 21. Outreach of KVK

| Name of KVK | Number of Blocks | | Number of Villages | |
|---|---|---|---|---|
| | Intensive | Extensive | Intensive | Extensive |
| Bargarh | 4 | 8 | 25 | 62 |

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

## 22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

| Sr. No. | Name of crop under Technology demonstration | Area under the programme | No. of Extension Activities | Remarks / Lessons learnt |
|---|---|---|---|---|
| 1 | Blackgram | 5 ha | 3 | PU-31 is a good variety for Kharif |
| 2 | Greengram | 2ha | 3 | Durga Var. performed better in Rabi |

## 23. KVK Ring

| Sr. No. | Name of Ring Partner | Sharing Activity | Lessons learnt/ Experiences gained. |
|---|---|---|---|
| 1 | Sambalpur, KVK | Manpower, machinery & Critical inputs | Techniques of Mango grafting |
| 2 | Sonepur, KVK | Manpower, machinery & Critical inputs | Dry land farming |

## 24. Important visitors to KVK

| Name of KVK | Name of Visitor | Date of Visit | ICAR | SAUs | Others | Remarks |
|---|---|---|---|---|---|---|
| Bargarh | Dr Manoranjan Kar | 25.4.2013 | | Hon'ble Vice Chancellor, OUAT, Bhubaneswar | | Farm development is good, Scientist should prepare more number of papers |
| Bargarh | Dr. Sankarsan Nanda | 30.7.2013 | | Dean, Extension Education, OUAT, Bhubaneswar | | Old damaged buildings should be demolished from the campus & pruning of old mango orchard |

## 25. Status of KVK Website:

| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
|---|---|---|---|---|
| **1** | **Bargarh** | **April 2011** | **84** | **1978** |

## 26. E-CONNECTIVITY

| Name of KVK | Number and Date of Lecture delivered from KVK Hub | | | | No. of lectors organized by KVK | Brief achievements | Remarks |
|---|---|---|---|---|---|---|---|
| | Date | No. of Staff attended | No. of call received from Hub | No. of Call mate to Hub by KVK | | | |
| **Bargarh** | **30.04.2013** | **3** | - | - | 1 | Deep summer ploughing in BGREI area and seed treatment | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Bargarh** | **17.05.2013** | **2** | **-** | **-** | 0 | | |
| **Bargarh** | **22.07.2013** | **4** | **-** | **-** | 1 | 3 small poultry unis of 2000 capacity each are established | |
| **Bargarh** | **23.07.2013** | **3** | **-** | **-** | 0 | | |
| **Bargarh** | **27.8.2013** | **3** | **-** | **-** | 0 | | |
| **Bargarh** | **6.9.2013** | **4** | **-** | **-** | 2 | Popularized single bud method of planting in an area of 10 ha | |
| **Bargarh** | **13.9.2013** | **2** | **-** | **-** | 1 | One awareness camp organized | |
| **Bargarh** | **20.9.2013** | **0** | **-** | **-** | - | - | Technical defect |
| **Bargarh** | **15.10.2013** | **0** | **-** | **-** | - | - | Power failure due to cyclone |
| **Bargarh** | **23.10.2013 to 25.102013** | **0** | | **-** | - | - | Power failure due to cyclone |
| **Bargarh** | **8.11.2013** | **3** | | | 1 | | |
| **Bargarh** | **28.3.2014** | **4** | **-** | **-** | 1 | - | No signal |

## 27. Status of RTI

| Sr. No. | Name of KVK | No. of RTI applications received | No. of RTI appeals | Remarks |
|---|---|---|---|---|
| **1** | **Bargarh** | **Nil** | **Nil** | |

## 28. Status of Citizen Charter

| Sr. No. | Name of KVK | Query received( Nos) | Query Disposed( Nos) | Remarks |
|---|---|---|---|---|
| **1** | **Bargarh** | **Nil** | **Nil** | |

## 29. Attended HRD Programmes organized by ZPD

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|---|---|---|---|---|
| Bargarh | Dr, M,K Tripathy | Programme Coordinator | 1 | Zonal Workshop |
| Bargarh | Sri N.C Barik | SMS, Plant protection | 1 | Cyclone mitigation meeting |
| | **Total** | | | |

| Name of KVK | Total Number of staff Attended HRD Programme organized by ZPD (nos) | Total Number of Programme attended (Nos) |
|---|---|---|
| Bargarh | 2 | 2 |

## 30. Attended HRD Programmes organized by DES

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|---|---|---|---|---|
| Bargarh | Dr. M. K Tripathy | Programme Coordinator | 1 | |
| Bargarh | Sri N.C Barik | SMS, Plant Protection | 1 | |
| Bargarh | Smt. S Sahu | SMS, Home Science | 2 | |
| Bargarh | Sri K.M Biswal | Farm manager | 1 | |
| Bargarh | Sri M.K Sahu | Prog. Asst. (Comp) | 1 | |

| Name of KVK | Total Number of staff Attended HRD Programmes organized by DES (nos) | Total Number of Programmes attended (Nos) |
|---|---|---|
| Bargarh | 5 | 6 |

## 31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

| Name of KVK | Name of Staff | Post held | Programmes attended (Nos) | Remarks |
|---|---|---|---|---|
| Bargarh | Dr. M. K Tripathy | Programme Coordinator | 2 | |
| Bargarh | Sri N.C Barik | SMS, Plant Protection | 1 | |
| Bargarh | Smt. S Sahu | SMS, Home Science | 2 | |
| Bargarh | Sri K.M Biswal | Farm manager | 1 | |
| Bargarh | Sri M.K Sahu | Prog. Asst. (Comp) | 1 | |

| Name of KVK | Total Number of staff Attended HRD Programmes by KVK staff (nos) | Total Number of Programmes attended (Nos) |
|---|---|---|
| Bargarh | 5 | 7 |

## 32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

| Name of KVK | Alert observed | Particulars | Reported to organization |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

## 33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Name of KVK | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|---|---|---|---|---|
| Bargarh | Seed treatment campaign | 1 | 25 | Groundnut |
| Bargarh | CD Show | 2 | 100 | Cultivation of vegetable green house and poly house |
| Bargarh | Crop diversification through Distribution of vegetable seedlings | 1 | 25 | Brinjal, Chilli |
| Bargarh | Promotion of organic farming through Bi Product distribution | 1 | 20 | Vermicompost & verms |
| Bargarh | Spread of new agricultural technology through Distribution literature | 1 | 120 | KVK, News letter |
| Bargarh | Diagnostic practical | 1 | 35 | Root rot of Rice |
| Bargarh | Soil test campaign | 1 | 50 | Mobile soil test van |
| Bargarh | Total number of farmers visited the technology week | | 375 | |

## 34. INTERVENTIONS ON DROUGHT MITIGATION

### Introduction of alternate crops/varieties

| Name of KVK | Crops/cultivars | Area (ha) | Number of beneficiaries |
|---|---|---|---|
| | | | |

### Major area coverage under alternate crops/varieties

| Name of KVK | Crops | Area (ha) | Number of beneficiaries |
|---|---|---|---|
| | | | |

### Farmers-scientists interaction on livestock management

| Name of KVK | Livestock components | Number of interactions | No. of participants |
|---|---|---|---|
| | | | |

**Animal health camps organized**

| Name of KVK | Number of camps | No.of animals | No.of farmers |
|---|---|---|---|
| | | | |

**Seed distribution in drought hit states**

| Name of KVK | Crops | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|---|---|---|---|---|
| | | | | |

**Seedlings and Saplings distributed**

| Name of KVK | Crops | Quantity (No.s) | Coverage of area (ha) | Number of farmers |
|---|---|---|---|---|
| **Seedlings** | | | | |
| | | | | |
| | | | | |
| | | | | |

**Bio-control Agents**

| Name of KVK | Bio-control Agents | Quantity (q) | Coverage of Area (ha) | No. of farmers |
|---|---|---|---|---|
| | | | | |

**Bio-Fertilizer**

| Name of KVK | Bio-Fertilizer | Quantity (kg) | Coverage of Area (ha) | No. of farmers |
|---|---|---|---|---|
| | | | | |

**Verms Produced**

| Name of KVK | Verms Produced | Quantity (q) | Coverage of Area (ha) | No. of Farmers |
|---|---|---|---|---|
| | | | | |

**Large scale adoption of resource conservation technologies**

| Name of KVK | Crops/cultivars and gist of resource conservation technologies introduced | Area (ha) | Number of farmers |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

**Awareness campaign**

| Name of KVK | Meetings | | Gosthies | | Field days | | Farmers fair | | Exhibition | | Film show | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers |
| | | | | | | | | | | | | |

# 35. Proposal of NICRA

1. **Technologies to be Demonstrated**

| Name of Technology | Name of Crop | Area (ha.) | Yield | % change in Yield | No. of farmers benefitted |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |

2**. Proposed Extension Activities in NICRA Village**

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | |
|---|---|---|---|---|
| | Farmers | Farm Women | Official | Total |
| | | | | |
| | | | | |
| | | | | |

3. **Proposed Training Activities in NICRA Village**

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | |
|---|---|---|---|---|
| | Farmers | Farm Women | Official | Total |
| | | | | |
| | | | | |

4**. Proposed Activities for Fodder Bank**

| Established (Years) | Capacity | Current Status |
|---|---|---|
| | | |

5. **Proposed Activities for Seed Bank**

| Established (Years) | Capacity | Current Status |
|---|---|---|
| | | |

6. **Public Representative/District Administration Visited in NICRA Village**

| Name of Representative/Officer | Designation | Date of Visit | Any Special Remark by Visitors |
|---|---|---|---|
| | | | |

**7. Feedback of Farmers for future improvement, if any.**

**36. Proposed works under NAIP (in NAIP monitoring format)**

**37. Case study / Success Story to be developed – Two best only in the following format**

Name of the KVK, **TITLE, Introduction,** KVK intervention, Output, Outcome, Impact

**Name of KVK- KVK, Bargarh**
**Title Progressive farmers in cultivation of cash rich horticultural crops in rainfed area**

Sri Dusmanta Patra, S/o Bhimsen Patra aged 35 is a graduate farmer of village Ludupalli, block-Ambabana, of Bargarh district, practising traditional Rice cultivation since last 15 years. His economic status was very poor due to monocropping of Rice though he has 16 acres of land. He always thought to be a man of higher income groups and earning lakhs per annum. He was very upset as his area is a rainfed patch of the district without any irrigation facilities.

One day he came in contact with Scientists of KVK, Bargarh located at a distance of 80 km from his village, who insisted him to take up horticultural crops using micro irrigation systems. They took him along with a group of farmers and exhibited micro irrigation system on the occasion of district level agricultural fair *Dhanuyatara* at Bargarh. From that day onwards he contacted the local agricultural extension officer, arranged subsidy, purchased drip systems and installed it in an area of 7 acres in his field. He started cultivating Chilli (VNR 22) in an area of one acre and utilizing water from a single dugwell by drip fittings. He also followed plastic mulching, fertigation and practised integrated crop management practices suggested by KVK, Scientists.

Initially he invested Rs 20,000 towards purchase of drip systems from agricultural Department and Rs. 86,000 towards cultivating Chilli. After six months he harvested 42 quintals of green Chilli and sold it @ Rs 50 per Kg. and earned a net profit of Rs.1,04,000/-.

Today he is the most advance farmer because of using drip irrigation system for the first time in his block. He has now taken up Brinjal in an area of two acres and Ginger in one acre of area. He is earning Rs. 6 lakhs per annum by taking above horticultural crops from his farm alone. The farmers of the nearby villages interestingly called him as ***Pipewala***. *T*he district administration selected him as a member of ATMA governing body of Bargarh district for the year 2013-14.



***Title -Duck Rearing for livelihood support***

**Introduction :** Smt. Santosini Meher is an enthusiastic young dynamic farm-women of village Turkula. She always stands side by her husband in agricultural activities for raising their family income. Her family has two numbers of ponds in which they were used to practice traditional Pisciculture. During a diagnostic field visit she came in contact with KVK's scientists.

**KVK intervention** : By observing her curiosity toward duckery KVK advised her to start with rearing of 30 ducklings in a small scale basis. So she initially constructed a duck shed of 10'X4'X2.5' nearer to her pond. Then KVK, Bargarh provided her the khaki campbell breed of duck with the necessary technical guidance for the rearing management.

**Output :** After six months she started earning of Rs. 30-40 per day by selling the eggs. Out of this small unit she could able to earn a net profit of Rs. 16000 per annum by selling both egg and meat in the local market.

**Outcome :** For this unit she is expressed her heartily gratitude towards KVK as being a happy mother she is able to provide one egg daily to her child who was more preference towards egg than meat and fish. She has also planned to run this in a large scale with 100 no. of ducklings.

**Impacts :** She is now become a role model for other women to take up duckery as a livelihood support. By observing her achievement the others are realising that through duckery they can not only enhance their income but also meet the nutritional security of their families to some extent.

**KVK, Intervention**

**Management of ducks**

**Out put**

| Sr. no. | Name of KVK | No. of success stories | No. of case studies |
|---|---|---|---|
| 1 | Bargarh | 1 | 1 |

**38. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem) –**


**Low yield of Rice due to BPH infestation at maturing stage**

**Low yield due to high mortality of groundnut during seedling stage due to collar rot**

**Poor yield due to powdery mildew disease at post flowering stage during Rabi in greengram**

**Assessment of IPM schedule for management of blossom rot disease in watermelon**

**Less output, improper cleaning and more drudgery due to use of country winnower for paddy cleaning**

**Poor milk yield due to vitamin and mineral deficiency**

**Drudgery during setting by axe**

**Heavy storage loss due to pulse beetle infestation**

# Additional Information

## FLD Oilseed & Pulse Programme

| Sl.No. | Title | Intervention | Village | Area (ha) | No. of beneficiaries | FLD yield(q/ha) | Local yield (q/ha) | % increase in yield |
|---|---|---|---|---|---|---|---|---|
| **Kharif-13** | | | | | | | | |
| 1. | Improved production technology of Groundnut | Variety- Smruti, Seed treatment with Vitavax power followed by Rhizobium, application of weedicide. | Patrapali, Brahmanipalli | 5.0 | 15 | 14.2 | 10.4 | 36 |
| 2. | INM in Kharif Blackgram | Seed treatment with Vitavax power followed by Rhizobium, PMS application @ 5t/ha. Fertiliser application @ 20:40:40. Micronutrient (zinc) application @ 15kg/ha, Var-PU31 | Kuliari | 5.0 | 15 | 6.9 | 5.4 | 23 |
| **Rabi-13-14** | | | | | | | | |
| 1. | Improved production technology of Groundnut | Variety- Smruti, Seed treatment with Vitavax power followed by Rhizobium, application of weedicide. | Nuapada | 5.0 | 15 | 20.3 | 16.2 | 25 |
| 2. | Improved production technology of Greengram | Variety-K851, Seed treatment, need based pesticide application along with balanced fertilizer application. | Runipalli Padampur | 10.0 | 30 | 8.3 | 7.1 | 16 |

**Improved production technology of Rabi Groundnut**

**INM in Kharif Black gram**

**Improved production of Rabi groundnut**

## FLD Pulse Programme under NFSM

| Sl.No. | Title | Intervention | Village | Area (ha) | No. of beneficiaries | FLD yield (q/ha) | Local yield (q/ha) | % increase in yield |
|---|---|---|---|---|---|---|---|---|
| 1. | Improved production of Kharif Blackgram **(NFSM Kharif 2013)** | Improved variety-PU31 Installation of sticky trap, application of eco friendly pesticide after appearance of ETL of key pests. | Chuladhar | 2.0 | 10 | 6.4 | 4.8 | 32 |
| 2. | Improved cultivation practices of Greengram **(NFSM Rabi)** | Use of seed Durga alongwith Rhizobium and other seed treatments. | Patrapali | 2.0 | 15 | 7.8 | 6.5 | 19 |

**IPM in Kharif Blackgram**

**Improved cultivation practices of Rabi Greengram**

**Cyclone mitigation Activity**

1. **Awareness campaign againest management of panicle mite**
2. **Demonstrations made on short duration pulses like pea, bengal gram in an area of 5 ha in cyclone affected areas**

**Recovery of flood affected paddy crops**

**Awareness campaign on Panicle mite**

**Demonstration on Field pea**

**Programme Coordinator**
**KVK, Bargarh**