# ANNUAL PROGRESS REPORT

***April 2014 to March 2015***

## KVK GAJAPATI

**R. Udayagiri – 761016**

**Orissa University of Agriculture and Technology,**
**Bhubaneswar.**

# 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 2014 to March 2015

### Summary of KVK Annual Report (Quantifiable Achievement) for the year 2014-15

| S.N. | Quantifiable Achievement | Number | Beneficiaries (nos.) | |
|---|---|---|---|---|
| **1** | **On Farm Testing** | | | |
| | Proposed OFT | **-** | - | |
| | On Going OFT | **-** | - | |
| | Technologies assessed (Completed OFT) | **6** | 6 | |
| | Technologies refined | **-** | - | |
| | On farm trials conducted | **6** | 6 | |
| **2** | **Frontline demonstrations** | | | |
| | Proposed Frontline demonstrations | - | - | |
| | On Going Frontline demonstrations | - | - | |
| | FLDs conducted on crops | 6 | 46 | |
| | Area under crops (ha.) | 16 | 46 | |
| | FLD on farm implement and tools | - | - | |
| | FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.) | 1000 | 100 | |
| | 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.) | 605 | 65 | |
| **3** | **Training programmes** | **No. of Course** | **Duration (days)** | **Participants** |
| | Farmers | 15 | 15 | 375 |
| | Farm women | 12 | 15 | 300 |
| | Rural youth | 3 | 3 | 75 |
| | Extension personnel/ In service | 2 | 2 | 50 |
| | Vocational trainings | - | - | - |
| | Sponsored Training | 1 | 1 | 103 |
| | **Total** | 33 | 35 | 903 |
| | | **No. of programmes** | **Participants** | |
| **4** | **Extension Programmes** | 375 | 4052 | |
| **5** | **Production of technology inputs etc** | **Qty** | **Beneficiaries (nos.)** | |
| | Seed (qt.) | - | - | |
| | Planting material produced (nos.) | 16030 | 75 | |
| **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.) | **-** | - |
| | 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 | KVK Gajapati |
| | Publications ( Res. Paper/ pop. Art./Bulletin,etc.) | 4 | 2000 |
| | KVK News letter | 1 | 500 |
| | SAC Meetings conducted | 2 | 33 |
| | Soil sample tested | 5 | 145 |
| | Water sample tested | - | - |
| | RWH System (Special training and field visit on RWH structure and MIS in KVKs) | - | - |
| | KVK-KMA (Message and beneficiaries) | 125 | 1310 |
| | Convergence programmes | - | - |
| | Sponsored programmes | 1 | 103 |
| | KVK Progressive Farmers interaction | 1 | 15 |
| | No. of Technology Week Celebrations | - | - |
| | Attended HRD activities organized by ZPD | 3 | 6 |
| | Attended HRD activities organized by DES | 4 | 5 |
| | Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. ) | 1 | 1 |
| **9** | Current status of Revolving Funds ( Amt. in Rs.) | | Rs. 119325 |
| **10** | | **No. of blocks** | **No. of villages** |
| | Outreach of KVK in the District | 7 | 817 |
| **11** | | **ICAR** | **SAU** / **Others** |
| | No. of important visitors to KVK (nos.) | - | 5 / 2 |
| **12** | | **Working (Yes/No)** | **No. of Update** |
| | Status of KVK Website | Yes | 22 |
| **13** | | **Application received** | **Application disposed** |
| | Status of RTI (nos.) | - | - |
| **14** | | **Query received** | **Query dissolved** |
| | Citizen Charter (nos.) | 438 | 438 |
| **15** | | **Working (Yes/No)** | **No. of programme viewed** |
| | E-connectivity | No | - |
| **16** | | **Filled** | **Vacant** |
| | Staff Position | 9 | 7 |
| **17** | Workshop/ Seminar/ Conference attended by staff of KVK ( nos) | 7 | |
| **18** | Publication received from ICAR /other organization (nos.) | - | |
| **19** | | **Particulars** | **Organization** |
| | Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR) | Hud Hud | DEE, OUAT |

# GENERAL INFORMATION

## 1.1. Staff Position (as on date)

### Summary of Staff position in KVKs on 31 st March, 2015

| Name of KVK | Sanctioned Posts | PC (1) | | SMS (6) | | PA (3) | | Admn. (6) | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Fille |
| KVK GAJAPATI | 16 | 1 | 1 | 6 | 2 | 3 | 2 | 6 | 4 | 16 | 9 |

| Name of KVK. | Sanctioned post | Name of the incumbent | Discipline | Highest degree | Subject of Specialization | Pay Scale (Rs.) | Present basic (Rs.) | Date of joining | Permanent /Temporary | Cat (SC/ C/O |
|---|---|---|---|---|---|---|---|---|---|---|
| Gajapati | Programme Coordinator | Dr. (Mrs) `Susmita Mohanty | Home Science | Ph.D | FRM | 15600-39,100 | 17040 | 01.09.2012 | Permanent | O |
| Gajapati | Subject Matter Specialist1 | Mr. Sandeep Mohanty | Plant Protection | M.Sc. (Ag.) | Plant Pathology | 15600-39,100 | 16920 | 30.08.2012 | Permanent | O |
| Gajapati | Subject Matter Specialist2 | Dr. (Mrs) Shradhanjali Mohapatra | Home Science | Ph.D | Textile | 15600-39,100 | 22220 | 09.12.2012 | Permanent | O |
| Gajapati | Subject Matter Specialist3 | **V** | **A** | **C** | **A** | **N** | **T** | | | |
| Gajapati | Subject Matter Specialist4 | **V** | **A** | **C** | **A** | **N** | **T** | | | |
| Gajapati | Subject Matter Specialist5 | **V** | **A** | **C** | **A** | **N** | **T** | | | |
| Gajapati | Subject Matter Specialist6 | **V** | **A** | **C** | **A** | **N** | **T** | | | |
| Gajapati | Programme Assistant (Computer) | Mr. Sanat Kumar Meher | Computer | MCA | Computer | 9300-34,800 | 10130 | 01.12.2012 | Permanent | C |
| Gajapati | Programme Assistant (Foresty) | Mr. Prasanta Kumar Sahoo | Forestry | M.Sc. | Forestry | 9300-34,800 | 9300 | 03.02.2015 | Permanent | |
| Gajapati | Farm Manager | **V** | **A** | **C** | **A** | **N** | **T** | | | |
| Gajapati | Accountant / superintendent | **V** | **A** | **C** | **A** | **N** | **T** | | | |
| Gajapati | Stenographer cum Computer Operator | **V** | **A** | **C** | **A** | **N** | **T** | | | |
| Gajapati | Driver | Mr. Sampada Kumar Sethy | | +2 | | 5200-20,200 | 6860 | 01.08.07 | Permanent | O |
| Gajapati | Driver | Mr. Ranjan Kumar Pattnaik | | +2 | | 5200-20,200 | 6350 | 01.03.11 | Permanent | O |
| Gajapati | Supporting staff | Mr. Prakash Gouda | | 10th | | 4440-7440 | 5790 | 20.12.07 | Permanent | O |
| Gajapati | Supporting staff | Mr. Rama Chandra Behera | | 10th | | 4440-7440 | 5380 | 31.07.08 | Permanent | O |

## 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 |
|---|---|---|---|---|---|---|---|---|
| GAJAPATI | NEGZ | 7 | 129 | 577817 | 262537 | 577817 | 62362 | 1.25ha |

## 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) |
|---|---|---|---|---|---|---|
| Gajapati | Tabarda | 2007 | Nuagada | 21 | 350 | 93 |
| Gajapati | Sabarapalli | 2008 | R. Udayagiri | 04 | 384 | 76 |
| Gajapati | Lubursingh | 2009 | R. Udayagiri | 07 | 346 | 68 |
| Gajapati | Luhangar | 2009 | Nuagada | 42 | 278 | 64 |
| Gajapati | Gobindpur | 2010 | Mohana | 58 | 346 | 68 |
| Gajapati | Lanjipadar | 2010 | Rayagada | 21 | 242 | 72 |
| Gajapati | Makapada | 2012 | R-Udayagiri | 18 | 480 | 120 |
| Gajapati | Parimala | 2012 | Nuagada | 15 | 628 | 140 |
| Gajapati | Phatachanchada | 2013 | R-Udayagiri | 05 | 278 | 64 |
| Gajapati | Rajpur | 2013 | Gosani | 45 | 1558 | 263 |
| Gajapati | Juba gaon | 2014 | Mohana | 30 | 718 | 105 |

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

| KVK Name | THRUST AREA |
|---|---|
| GAJAPATI | Varietal replacement with high yielding varieties |
| GAJAPATI | Organic cultivation |
| GAJAPATI | Integrated Nutrient management |
| GAJAPATI | Scientific seed production |
| GAJAPATI | Integrated pest management |
| GAJAPATI | Seed and seedling treatment |
| GAJAPATI | Scientific storage methods |
| GAJAPATI | Value addition and preservation |
| GAJAPATI | Crop diversification |
| GAJAPATI | Mushroom cultivation |
| GAJAPATI | Scientific graft/gootee production |
| GAJAPATI | Apiculture |

| | |
|---|---|
| GAJAPATI | Improved pest management |
| GAJAPATI | Intercropping |
| GAJAPATI | Varietal replacement |
| GAJAPATI | Irregular bearing of fruit |
| GAJAPATI | Fruit production technology |
| GAJAPATI | Acid soil management |
| GAJAPATI | Composting |
| GAJAPATI | Crop diversification |
| GAJAPATI | Natural Resource management |
| GAJAPATI | Entrepreneurship development |
| GAJAPATI | Integrated weed management |
| GAJAPATI | Production technology |

## 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 |
|---|---|---|---|
| GAJAPATI | Use of traditional varieties and practices leading to low productivity, low rate of seed replacement, Indiscriminate use of fertilizers, poor irrigation management, Indiscriminate use of pesticide and fungicide, lack of knowledge in improved farm implement, Low yield in rice due to heavy incidence of sheath blight, Low yield due to cultivation of traditional varieties (lalat), Low income due to traditional method of fish culture, Low organic matter content in the soil | Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments, | Rajpur, Batisirpur, Talarsingh Block : Gosani |
| GAJAPATI | Low yield in rice due to heavy incidence of sheath blight, Low yield due to cultivation of traditional varieties (lalat), Low income due to traditional method of fish culture, Low organic matter content in the soil, Low use of fertilizers, Yield loss due to insect pest and diseases, Weed problem, Shortage of quality seeds, Traditional varieties, Low fish yield due to improper management of community and farm pond | Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments, | Garibandh, K.Sitapur Block : Kashinagar |
| GAJAPATI | Use of traditional varieties and practices leading to low productivity , Unstable yield due to high weed problem at an early stage in maize, Low income due to lack of crop diversification with high value crop, Improper management of cashew orchards, un employment problem of rural youths, Un availability planting material and lack of knowledge about scientific method of cultivation. Low yield from Desi cow, Low body weight of desi birds, Under utilization of paddy | Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments, | Makapada, Phatachanchada, Block : R-Udayagiri |

| | | | |
|---|---|---|---|
| | straw, Improper utilization of family labour and home stead lands, Little knowledge about fertilizer doses, lack of knowledge in improved farm implement, Low spread of oyster mushroom due to substrate unavailability and poor economic status of the house holds due to no additional income of marginal and landless farmers, Low income of traditional farm women involved in backyard poultry, High drudgery and low efficiency of farm women involved in maize shelling manually, weeding and ridge making in vegetable cultivation, Grain loss due to infestation | | |
| GAJAPATI | Unscientific inter cultural practices improper nutrient management and plant protection leading to die-back, Low unavailability and low yield due to heavy incidence of leaf curl & mosaic viral diseases, Lesser fruit size and yield due to no manuring and fertilization, Poor and unstable yield due to traditional variety and traditional management practices, Yield reduction due irregular bearing habit & heavy fruit drop at pre harvest stage, Low spread of oyster mushroom due to substrate unavailability and poor economic status of the house holds due to no additional income of marginal and landless farmers, Low income of traditional farm women involved in backyard poultry, High drudgery and low efficiency of farm women involved in maize shelling manually, weeding and ridge making in vegetable cultivation, Grain loss due to infestation | Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments, | **Saralapadar, Tabarada, Sundurba, Parimala, Atarsingh Block : Nuagada** |
| GAJAPATI | Use of traditional varieties and practices leading to low productivity, low rate of seed replacement, Indiscriminate use of fertilizers, poor irrigation management, Indiscriminate use of pesticide and fungicide, lack of knowledge in improved farm implement, Low yield in rice due to heavy incidence of sheath blight, Low yield due to cultivation of traditional varieties (lalat), Low income due to traditional method of fish culture, Low organic matter content in the soil | Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments, | **Saouri, Labarsingh, Gobindpur Block : Mohana** |

# 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.**

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

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

## 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) | | Recommenda |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FP ($T_1$) | RP ($T_2$) | FP ($T_1$) | RP ($T_2$) | |
| Gajapati | 2014 -15 | Rabi | Low yield due to attack of sucking pest . | Assessment of IPM for whitefly in tomato | Assessment | Integrated Pest Management | Tomato | Irrigated upland | 13 | 190 | 250 | 55500 | 75000 | Use of Neem @ 2.5 q/ha., Acetamepride 250 gm/ha. + yellow sticky @ 25 nos/ha. Reduced 47% sucking pest attack. |
| Gajapati | 2014 | Kharif | Low yield due to leaf cutter attack . | Assessment of Triazophos for management of leaf cutter in maize | Assessment | Integrated pest Management | Maize | Rainfed, up land. | 13 | 16 | 22 | 5200 | 8400 | Use of Triazo reduces 38.94 leaf cutter in |

| 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) | | Recommenda |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FP ($T_1$) | RP ($T_2$) | FP ($T_1$) | RP ($T_2$) | |
| Gajapati | 2014 -15 | Rabi | Low yield due to fruit and shoot borer in brinjal. | Assessment of Thiachloprid for management of fruit and shoot borer in brinjal | Assessment | Integrated pest Management | Brinjal | Rainfed, up land. | 13 | 195 | 262 | 62500 | 86000 | fruit and shoo borer in brinj reduces to 23 spraying of Thiachloprid ml/10 lt. of w thrice at 15 d interval. |
| Gajapati | 2014 -15 | Rabi | Low yield and low market value of cauliflower due to aphids infestation. | Assessment of Chemical management of Aphids in cauliflower | Assessment | Integrated disease management. | Cauliflower | Irrigated medium land. | 13 | 95 | 128 | 27500 | 39000 | Spraying of Acephate @ gm./lt. water 10 days interv reduces aphid attack. |
| Gajapati | | | | | | | | | | | | | | |

## 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 R (Gross Return / 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 ($T_2$) | R Pr if (T |
| Gajapati | Assessment of IPM for Whitefly in tomato | Yield q/ha | 190 | 250 | 40000 | 50000 | - | 95500 | 125000 | - | 55500 | 75000 | - | 2.38 | 2.50 | |
| Gajapati | Assessment of Triazophos for management of leaf cutter in maize | Yield q/ha | 30 | 36 | 14000 | 18000 | - | 29200 | 36200 | - | 15200 | 18400 | - | 1.67 | 1.96 | |

| KVK name | OFT Title | Parameters | | | Average Cost of cultivation (Rs/ha) | | | Average Gross Return (Rs/ha) | | | Average Net Return (Rs/ha) | | | Benefit-Cost R (Gross Return / 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 ($T_2$) | R P if (T |
| Gajapati | Assessment of Thiachloprid for management of fruit and shoot borer in brinjal | Yield q/ha | 195 | 262 | 35000 | 45000 | - | 97500 | 131000 | - | 62500 | 86000 | - | 2.78 | 2.91 | |
| Gajapati | Assessment of Chemical management of Aphids in cauliflower | Yield q/ha | 95 | 128 | 20000 | 25000 | - | 47500 | 64000 | - | 27500 | 39000 | - | 2.37 | 2.56 | |
| Gajapati | | | | | | | | | | | | | | | | |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gajapati | 2014 | Kharif | No value addition of cashew apple | Assessment of value addition of cashew apple for income generation | Assessment | Value addition | Tailing & tapping of cashew apple, steaming of cashew apple and then pulping & mixing with sugar & citric acid. | 950gm cashew apple jam /kg of cashew apple | Non land based | 13 | Preparation of cashew apple jam adds to family income |
| Gajapati | 2014-15 | Rabi | Low biological efficiency of existing variety- P. Sajarkaju. | Assessment of cultivation of oyster mushroom variety P. Eryngii | Assessment | Mushroom cultivation | Oyster mushroom cultivation var. P. Eryngii. | Higher biological efficiency (110%), high nutritional & medicinal value, fleshy meat like texture, longer shelf life, production 2-2.5 kg per bed. | Non land based | 13 | Cultivation of oyster mushroom variety P. Eryngii increases 25 % yield |

## 2.4 Economic Performance Home Science OFT:

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Output m2/h | | Est. Energy Expenditure kj/ min. | | WHR pulse/min | | % reduction in drudgery | | % increase in efficiency | | Production per unit | | Cost of input | | Incremental income | | Yield (Kg/ha) | | Net Return | | Saving in Rs | BC rati |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | |
| Gajapati | Assessment of value addition of cashew apple for income generation | - | - | - | - | - | - | - | - | - | - | - | .95 gm | - | 60 | - | 190 | - | - | - | 130 | 130 | 3.16 |
| Gajapati | Assessment of cultivation of oyster mushroom variety P. Eryngii | - | - | - | - | - | - | - | - | - | - | 1.2 | 1.5 | 30 | 30 | 120 | 150 | - | - | 90 | 120 | 120 | 4 |

### 2.5 Feedback from KVK to Research System

| Name of KVK | Feedback |
|---|---|
| **Gajapati** | IPM strategy in use of neem cake + Acetamepride + sticky trap is useful for control of sucking pest in tomato. |
| **Gajapati** | Spraying of Triazophos reduces 38.94 % leaf cutter in maize. |
| **Gajapati** | Use of Thiachloprid for control of fruit and shoot borer in brinjal is proves to be beneficial and highly appreciated by the farmers. |
| **Gajapati** | Application of Acephate reduces aphid attack to 34 %. |
| **Gajapati** | Preparation of cashew apple jam adds to family income |
| **Gajapati** | Cultivation of oyster mushroom variety P. Eryngii increases 25 % yield |

## 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 |
| Gajapati | Rice | Integrated Pest Management | Demonstration on IPM for plant hoppers in rice | Demonstration, Training, Field Day, GD, Leaf Let | 32 | 140 | 56 |
| Gajapati | Okra | Integrated Pest Management | Demonstration on IPM for YMV in okra. | Demonstration, Training, Field Day, GD, Leaf Let | 8 | 62 | 12 |
| Gajapati | Green gram | Integrated Disease Management | Demonstration on Thiophorate in management of powdery mildew in Green gram | Demonstration, Training, Field Day, GD, Leaf Let | 17 | 124 | 65 |

| 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 |
| Gajapati | Mango | Integrated Pest Management | Demonstration on IPM for management of hopper & fruit borer in Mango. | Demonstration, Training, Field Day, GD, Leaf Let | 25 | 187 | 560 |
| Gajapati | Sunflower | Crop Management | Demonstration on Hybrid sunflower cultivation | Demonstration, Training, Field Day, GD, Leaf Let | 14 | 36 | 28 |
| Gajapati | Black gram | Crop Management | Demonstration on hybrid black gram cultivation | Demonstration, Training, Field Day, GD, Leaf Let | 16 | 108 | 129 |
| Gajapati | Maize | Crop Management | Demonstration on hybrid maize cultivation | Demonstration, Training, Field Day, GD, Leaf Let | 64 | 552 | 1204 |
| Gajapati | Ragi | Crop Management | Demonstration on Hyv. Ragi Cultivation | Demonstration, Training, Field Day, GD, Leaf Let | 28 | 146 | 50 |
| Gajapati | Pisciculture | Production management | Demonstration on probiotics for better survibility, growth and yield in fish | Demonstration, Training, Field Day, GD, Leaf Let | 6 | 32 | 26 |
| Gajapati | Pisciculture | Feed management | Demonstration on pelleted feeding in Composite Pisciculture | Demonstration, Training, Field Day, GD, Leaf Let | 6 | 32 | 26 |
| Gajapati | Pisciculture | Production management | Demonstration on humic acid for increasing primary production in community fish ponds | Demonstration, Training, Field Day, GD, Leaf Let | 14 | 107 | 85 |
| Gajapati | Pisciculture | Production management | Demonstration on fingerling production in seasonal tanks | Demonstration, Training, Field Day, GD, Leaf Let | 4 | 9 | 2 |

**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.**

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***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 |
| Gajapati | 2014 | Kharif | Integrated Pest management | Demonstration on integrated management of stem borer in rice | Rice | Swarna | 2 | 35 | 42 | 20 | - | 5 | - | - | 5 |
| Gajapati | 2014 | Kharif | Integrated Pest management | Demonstration on integrated management of stem borer in rice | Rice | Swarna | 2 | 33 | 41 | 25 | - | 5 | - | - | 5 |

| 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 |
| Gajapati | 2014 | Kharif | Crop diversification. | Demonstration of Sweet Corn var. Sugar 75 | Maize | Sugar 75 | 2 | 30000 | 85000 | 8.5 | - | 5 | - | - | 5 |
| Gajapati | 2014-15 | Rabi | Integrated Pest Management. | Demonstration of Triazophos 40 EC & Cryomaizine 75 WP against control of leaf minor in tomato | Tomato | BT 10 | 2 | 168 | 225 | 33 | - | 5 | - | - | 5 |
| Gajapati | 2014-15 | Rabi | Integrated crop management | Demonstration on HYV Field Pea Var. Rachana | Field Pea | Rachana | 5 | 11 | 15 | 36 | - | 13 | - | - | 13 |
| Gajapati | 2014-15 | Rabi | Integrated crop management | Demonstration on HYV Sesamum Var. Prachi | Sesamum | Prachi | 5 | 5 | 7 | 40 | - | 13 | - | - | 3 |

## 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 ($T_1$) | R (T |
| Gajapati | Demonstration on management of stem borer in rice | Rice | Yield- qtl/ha, % of pest incidence | 35, 6.03% | 42, 0.76% | 20100 | 24300 | 32600 | 43100 | 12600 | 18800 | 1.35 | 1.8 |
| Gajapati | Demonstration of buprofezin for management of BPH in rice | Rice | Yield- qtl/ha, % of pest incidence | 33, 5.83 % | 41, 0.97% | 18000 | 22000 | 30000 | 40000 | 12000 | 18000 | 1.32 | 1.6 |
| Gajapati | Demonstration of Sweet Corn var. Sugar 75 | Maize | Yield- qtl/ha | 47000 Rows in cob - 32 No of rains in row – 14 | 51000 Rows in cob - 44 No of Grains in row – 17 | 30000 | 55000 | 60000 | 140000 | 30000 | 85000 | 1.50 | 3.2 |
| Gajapati | Demonstration of Triazophos 40 EC & Cryomaizine 75 WP against control of leaf minor in tomato | Tomato | Yield- qtl/ha, % of pest incidence | 168, 34 % | 225, 21% | 40000 | 50000 | 84000 | 112500 | 44000 | 62000 | 2.10 | 2.2 |
| Gajapati | Demonstration on HYV Field Pea Var. Rachana | Field Pea | Yield- qtl/ha | 11 | 15 | 14000 | 18000 | 27500 | 37500 | 13500 | 19500 | 1.96 | 2.0 |
| Gajapati | Demonstration on HYV Sesamum Var. Prachi | Sesamum | Yield- qtl/ha | 5 | 7 | 29000 | 34000 | 67500 | 94500 | 38500 | 60500 | 2.32 | 2.7 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Gajapati | 2014 | Kharif | Mushroom Cultivation | Increase in cost of cultivation by use of bengal gram powder as feeding materials. | Demonstration on paddy straw mushroom cultivation using rice bran as feeding material | Paddy straw mushroom | Volvarea Volvacae | Non land base | 100 beds | 10 |
| Gajapati | 2014-15 | Rabi | Drudgery reduction | Low output, time and labour consuming. | Demonstration on sunflower thresher among farm women | Sun flower thresher | - | Non land base | 5 | 5 |
| Gajapati | 2014-15 | Rabi | Income generation | Low yield in egg and meat due to rearing of desi bird. | Demonstration on Backyard poultry (Var. Banaraja) | Backyard poultry | Banaraja | Non land base | 1000 | 100 |
| Gajapati | 2014-15 | Rabi | mushroom cultivation | No additional income in tribal family due to lack of knowledge in mushroom cultivation. | Demonstration on oyster mushroom cultivation using maize stalk | oyster mushroom cultivation | P.sajarkaju | Non land base | 100 | 10 |

## 3.5 Economic Performance Home Science FLDs:

| KVK name | Technology to be Demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Output m2/h | | Est. Energy Expenditure kj/min. | | WPR beat/min | | % reduction in drudgery | | % increase in efficiency | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Saving in Rs |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | |
| Gajapati | **Demonstration on paddy straw mushroom cultivation using rice bran as feeding material** | - | - | - | - | - | - | - | - | - | - | 1 kg/bed | 0.91 kg/bed | 38 | 30 | 140 | 127 | - | - | 102 | 97 | 97 |
| Gajapati | **Demonstration on sunflower thresher among farm women** | 2 Kg/hr. | 12.6 Kg/hr. | 11.6 | 9.08 | - | - | - | 21.9 | - | 530 | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | **Demonstration on Backyard poultry (Var. Banaraja)** | - | - | - | - | - | - | - | - | - | - | Egg – 60 Meat- 1.75/year | 5 month old 1.2 kg | Continuing | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gajapati | **Demonstration on oyster mushroom cultivation using maize stalk** | - | - | - | - | - | - | - | - | - | - | 1.5 kg/bed | 1.2 kg/bed | 30 | 30 | 115 | 96 | - | - | 85 | 66 | 66 |

## 3.6 Training and Extension activities proposed under FLD

| KVK Name | Crop | Activity | No. of activities organized | Number of participants | Remarks |
|---|---|---|---|---|---|
| Gajapati | Apiary | Training on honey bee rearing | 1 | 25 | |
| Gajapati | Soil | 1. Training on soil test based fertilizer application<br>2. Prevention of soil erosion by different method | 6 | 150 | |
| Gajapati | Rice | 1. Seed treatment pest management in paddy<br>2. Management of stem borer in rice<br>3. Nursery management<br>4. Use of farm implements in paddy cultivation | 4 | 100 | |
| Gajapati | Maize | 1. Use of lime in maize<br>2. Integrated management in maize | 2 | 50 | |
| Gajapati | Fruit | 1. Problem of irregular bearing and fruit development in mango<br>2. Integrated pest management in pineapple.<br>3. Value addition of fruit and vegetable.<br>4. Value addition and marketing of pineapple<br>5. Management of cashew orchard | 5 | 125 | |
| Gajapati | Vegetable | 1. Integrated pest management in cow pea.<br>2. Management of solanaceous wilt<br>3. Management disease in cabbage<br>4. Layout and management of nutritional garden. | 4 | 100 | |
| Gajapati | Drudgery reduction | 1. Use of sun flower thresher for drudgery reduction<br>2. Weed management in vegetable by different farm weeder | 2. | 50 | |
| Gajapati | Extension personnel | 1. Preparation of supplementary diet for pregnant mother and children<br>2. Management of SHG | 2 | 50 | |
| Gajapati | Mushroom | 1. Paddy straw mushroom cultivation.<br>2. Oyster mushroom cultivation technique | 3 | 75 | |

| KVK Name | Crop | Activity | No. of activities organized | Number of participants | Remarks |
|---|---|---|---|---|---|
| Gajapati | Poultry | Backyard poultry | 2 | 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. |
|---|---|---|---|---|---|---|
| 1 | Gajapati | Field pea | Rachana | OSSC, Berhampur | 13 | 5 |
| 2. | Gajapati | Sweet Corn | Sugar 75 | Firm | 5 | 2 |
| 3. | Gajapati | Sesamum | Prachi | Firm | 13 | 5 |

# 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 |

| | | | | |
|---|---|---|---|---|
| **Gajapati** | Technologies highly appreciated by the farmers and farm women<br>i) IPM for sucking pest in tomato<br>ii) Use of Triazophos for management of leaf cutter in maize<br>iii) Use of Thiachloprid for management of fruit and shoot borer in brinjal<br>iv) Chemical management of Aphids in cauliflower<br>v) Value addition of cashew apple for income generation<br>vi) Assessment of cultivation of oyster mushroom variety P. Eryngii<br>vii) Demonstration on integrated management of stem borer in rice<br>viii) Demonstration on integrated management of stem borer in rice<br>ix) Demonstration of Sweet Corn var. Sugar 75<br>x) Demonstration of Triazophos 40 EC & Cryomaizine 75 WP against control of leaf minor in tomato<br>xi) Demonstration on HYV Field Pea Var. Rachana<br>xii) Demonstration on HYV Sesamum Var. Prachi<br>xiii) Demonstration on paddy straw mushroom cultivation using rice bran as feeding material<br>xiv) Demonstration on sunflower thresher among farm women<br>xv) Demonstration on Backyard poultry (Var. Banaraja) | Farmers – scientist interaction, Group discussion, individual contact and questionnaire evaluation during training. | i) IPM strategy reduces 26 % sucking pest attack.<br>ii) By use of Triazophos yield increases 37.5 %<br>iii) Thiachloprid reduces fruit and shoot borer attack in brinjal<br>iv) By use of Acephate 28% infestation reduced<br>v) Preparation of cashew apple jam adds to family income<br>vi) Cultivation of oyster mushroom variety P. Eryngii increases 25 % yield<br>vii) Farmers perceived 26% reduction in stem borer attack by use of Indoxacarb<br>viii) Buprofezin reduces stem borer attack to 28%<br>ix) Crop diversification to sweet corn adds to family income<br>x) Triazophos & Cryomaizine reduce 33% leaf manner in tomato<br>xi) Demonstration on HYV field pea (Rachana) increases 36 % yield<br>xii) Farmers appreciated 40 % yield increase by use HYV Sesamum Var. Prachi<br>xiii) Rice bran is a suitable alternative of bangal gram power for paddy straw mushroom cultivation.<br>xiv) Sunflower thresher increases yield efficiency 5 fold.<br>xv) 4 month of Banaraja bird weighs 500 gm.<br>xvi) Maize stalk will alter the use of paddy straw for oyster mushroom cultivation | These technologies will be adopted in large scale by the farmers and farm women in future. |

## 4.2. Feedback from KVK to Research System

| Name of KVK | Feedback basic of OFT on Technology Tested |
|---|---|
| Gajapati | 1. IPM strategy reduces 26 % sucking pest attack.<br>2. By use of Triazophos yield increases 37.5 % |

| | |
|---|---|
| | 3. Thiachloprid reduces fruit and shoot borer attack in brinjal<br>4. By use of Acephate 28% infestation reduced.<br>5. Farm women were surprised with the income from oyster mushroom cultivation.<br>6. Cashew apple jam is a income generation activity which can be taken up SHGs women in large scale. |

## 4. 3. 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 |
|---|---|---|---|---|
| Gajapati | Farmers and Farm women | Benchmark survey, PRA Study, problem identification and prioritisation, root cause analysis and SWOT analysis, gap analysis | 15.04.2015 & 18.04.2015 Sabarpalli, Lubursing, phattachanchara, Parimal,Rajpur, Makapada,Jubagaon,Paribheta, Gobindapur, Chhelagada | 90 |
| Gajapati | Rural youth | Group discussion with rural youth clubs and S.H.G. members and analysing secondary data from line departments like women and CD department, horticulture soil conservation, bank officials, NGOs etc. | 10.04.2015 KVK, campus | 42 |
| Gajapati | Inservice personnels | Interview method and analysis of performance by pilot survey | 20.04.15 & 21.04.15 | 25 |

### 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 | | Oth |
| | | | | | | | M | F | M | F | M | F | M |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Gajapati | RY | ONC | PLP | Training on honey bee rearing | 1 | 1 | - | - | - | - | 25 | - | - |
| Gajapati | FW | OFC | PLP | Training on soil test based fertilizer application | 5 | 5 | 27 | - | - | - | 94 | 4 | - |
| Gajapati | FW | ONC | AGF | Prevention of soil erosion by different method | 1 | 1 | - | - | - | - | 25 | - | - |
| Gajapati | FW | OFC | PLP | Seed treatment pest management in paddy | 1 | 1 | - | - | - | - | 25 | - | - |
| Gajapati | FW | OFC | PLP | Management of stem borer in rice | 1 | 1 | - | - | - | - | 19 | 6 | - |
| Gajapati | RY | ONC | PLP | Training on Nursery management | 1 | 1 | - | - | - | - | 18 | 7 | - |
| Gajapati | FW | OFC | WOE | Use of farm implements in paddy cultivation | 1 | 1 | - | - | - | - | - | 25 | - |
| Gajapati | FW | ONC | PLP | Use of lime in maize | 1 | 1 | - | - | - | - | 20 | 5 | - |
| Gajapati | FW | OFC | PLP | Integrated disease management in maize | 1 | 1 | - | - | - | - | 22 | 3 | - |
| Gajapati | FW | ONC | PLP | Problem of irregular bearing and fruit development in mango | 1 | 1 | - | - | - | - | 25 | - | - |
| Gajapati | RY | ONC | PLP | Integrated pest management in pineapple. | 1 | 1 | - | - | - | - | 22 | 3 | - |
| Gajapati | FW | ONC | WOE | Value addition of fruit and vegetable. | 1 | 1 | - | - | - | - | - | 25 | - |
| Gajapati | RY | ONC | WOE | Value addition and marketing of pineapple | 1 | 1 | - | - | - | - | - | 25 | - |
| Gajapati | FW | ONC | AGF | Management of cashew orchard | 1 | 1 | - | - | - | - | 20 | 5 | - |
| Gajapati | FW | OFC | PLP | Integrated pest management in cow pea. | 1 | 1 | - | - | - | - | 21 | 4 | - |
| Gajapati | FW | OFC | PLP | Management of solanaceous wilt | 1 | 1 | - | - | - | - | 19 | 6 | - |
| Gajapati | FW | OFC | PLP | Management disease in cabbage | 1 | 1 | - | - | - | - | 21 | 4 | - |
| Gajapati | FW | OFC | WOE | Layout and management of nutritional garden. | 1 | 1 | - | - | - | - | 18 | 7 | - |
| Gajapati | FW | OFC | WOE | Use of sun flower thresher for drudgery reduction | 1 | 1 | - | - | - | - | - | 25 | - |
| Gajapati | FW | OFC | WOE | Weed management in vegetable by different farm weeder | 1 | 1 | - | - | - | - | - | 25 | - |
| Gajapati | IS | ONC | WOE | Preparation of supplementary diet for pregnant mother and children | 1 | 1 | - | - | - | - | - | 25 | - |
| Gajapati | IS | ONC | WOE | Management of SHG | 1 | 1 | - | - | - | - | - | 25 | - |
| Gajapati | FW | ONC | WOE | Paddy straw mushroom cultivation. | 1 | 2 | - | - | - | - | - | 25 | - |
| Gajapati | RY | ONC | WOE | Oyster mushroom cultivation technique | 2 | 4 | - | - | - | - | - | 50 | - |
| Gajapati | FW | OFC | WOE | Backyard poultry | 2 | 2 | - | - | - | - | - | 50 | - |

**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 |
| Gajapati | Training on honey bee rearing | Apiary | Unemployment of rural youth | 1 | - | - | - | - | 25 | - | - | - |
| Gajapati | Training on Nursery management | Paddy & vegetable | High incidence of disease/pest attack, less % of survivability of seedling | 1 | - | - | - | - | 25 | - | - | - |
| Gajapati | Integrated pest management in pineapple | Pineapple | High incidence of disease/pest attack | 1 | - | - | - | - | 25 | - | - | - |
| Gajapati | Value addition and marketing of pineapple | Value addition | Low income of farm women due to non adoption of value addition | 1 | - | - | - | - | - | 25 | - | - |
| Gajapati | Oyster mushroom cultivation technique | Mushroom cultivation | Low income during lean season | 2 | - | - | - | - | - | 50 | - | - |

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

| 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 | |
| Gajapati | | | | | |

**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 | | |
| Gajapati | Protection of plant varieties and Farmers Right Act. | Other | - | FW | 1 | 1 | - | - | - | - | - | - | 85 | 18 | PPV FRA Authority Ministry of Agriculture, Govt. of India, New Delhi. | 78,800/- |
| | | | | | | | | | | | | | | | | |

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

| 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 | |
| Gajapati | Training on honey bee rearing | 25 | - | 24 | | | | | |
| Gajapati | Training on soil test based fertilizer application | 125 | 7 | 83 | | | | | |
| Gajapati | Prevention of soil erosion by different method | 25 | - | 74 | | | | | |
| Gajapati | Seed treatment pest management in paddy | 25 | 8 | 65 | | | | | |
| Gajapati | Management of stem borer in rice | 25 | 14 | 80 | | | | | |
| Gajapati | Training on Nursery management | 25 | 11 | 39 | | | | | |
| Gajapati | Use of farm implements in paddy cultivation | 25 | - | 42 | | | | | |
| Gajapati | Use of lime in maize | 25 | 24 | 67 | | | | | |
| Gajapati | Integrated disease management in maize | 25 | 38 | 71 | | | | | |
| Gajapati | Problem of irregular bearing and fruit development in mango | 25 | 5 | 37 | | | | | |
| Gajapati | Integrated pest management in pineapple. | 25 | 4 | 32 | | | | | |
| Gajapati | Value addition of fruit and vegetable. | 25 | 2 | 48 | | | | | |
| Gajapati | Value addition and marketing of pineapple | 25 | 45 | 69 | | | | | |
| Gajapati | Management of cashew orchard | 25 | 44 | 74 | | | | | |
| Gajapati | Integrated pest management in cow pea. | 25 | 14 | 43 | | | | | |
| Gajapati | Management of solanaceous wilt | 25 | 8 | 25 | | | | | |
| Gajapati | Management disease in cabbage | 25 | 3 | 28 | | | | | |
| Gajapati | Layout and management of nutritional garden. | 25 | - | 17 | | | | | |
| Gajapati | Use of sun flower thresher for drudgery reduction | 25 | - | 46 | | | | | |

| 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 | |
| Gajapati | Weed management in vegetable by different farm weeder | 25 | - | 37 | | | | | |
| Gajapati | Preparation of supplementary diet for pregnant mother and children | 25 | - | 22 | | | | | |
| Gajapati | Management of SHG | 25 | 13 | 29 | | | | | |
| Gajapati | Paddy straw mushroom cultivation. | 25 | 5 | 48 | | | | | |
| Gajapati | Oyster mushroom cultivation technique | 50 | 3 | 42 | | | | | |
| Gajapati | Backyard poultry | 50 | 24 | 76 | | | | | |

## 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 | | | |
| Gajapati | Field Day | 25 | 8 | 23 | 20 | 108 | 9 | 16 | 4 | Seeing is believing | All FLD | At harvesting |
| Gajapati | Kisan Mela | 2 | 1 | 23 | - | 154 | 38 | 11 | 4 | Popularization of improved technologies in agriculture and allied field. | Farmers fair cum farmers scientist interaction | - |
| Gajapati | Kisan Ghosthi | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Exhibition | 1 | 1 | 68 | 3 | 208 | 37 | 11 | 4 | To popularization of improved technology in a agriculture and allied sector by stake holder | - | - |
| Gajapati | Film Show | 8 | 14 | Mass | | | | | | Information dissemination and creating awareness among farmers | Maize cultivation, Sunflower pests and pollination, vermicomposting, fruits, floriculture, blackgram, greengram cultivation, backyard polultry, ragi cultivation etc. | - |
| Gajapati | Method Demonstrations | 8 | 4 | - | - | 27 | 53 | - | 1 | Learning by doing principle | Mushrrom Cultivation, vaccination of poultry birds, Seed and soil treatment, Nursery preparation, Ragi line sowing, fertiliser application in sunflower, yam colocasio, , etc. | - |
| Gajapati | Farmers Seminar | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Workshop | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Group meetings | 8 | 35 | - | - | 132 | 289 | - | - | Identification and prioritisation of problems | - | - |
| Gajapati | Lectures delivered as | 16 | 6 | - | - | Mass | | | | Information dissemination | Different schemes of Govt. Depts. | |

| 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 | | | |
| | resource persons | | | | | | | | | | And NGOs. | |
| Gajapati | Newspaper coverage | 12 | 7 | Mass | | | | | | Popularisation of technologies and highlightining the different activities of K.V.K | Observation of Parthenium Week, Scientific advisory committee of KVK, Farmers fair and farmers scientist interaction, Gender Workshop Technological advances in IPM, INM and IDM practices. | - |
| Gajapati | Radio talks | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | TV talks | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Popular articles | 16 | - | - | - | - | - | - | - | Information and dissemination of technologies | Technological advances ,coverage of different activities of K.V.K and important day celebrations and other similar activities. | |
| Gajapati | Extension Literature | 12 | 7 | - | - | - | - | - | - | Information and dissemination of technologies | | |
| Gajapati | Farm advisory Services | - | - | -- | - | - | - | - | - | - | - | - |
| Gajapati | Scientific visit to farmers field | 80 | 176 | 149 | 26 | 328 | 255 | - | - | Identification of problems and their prioritisation | - | - |
| Gajapati | Farmers visit to KVK | - | 1467 | 218 | 160 | 617 | 472 | - | - | Identification of problem, information seeking and capacity building | - | - |
| Gajapati | Diagnostic visits | 48 | 132 | 139 | 14 | 281 | 134 | - | - | Identification of problems diagnosis of problems, prioritisation of problems | - | - |
| Gajapati | Exposure visits | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Ex-trainees Sammelan | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Soil health Camp | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Animal Health Camp | 2 | 2 | - | - | 83 | 7 | - | - | | | |
| Gajapati | Agri mobile clinic | - | - | - | - | - | - | - | | - | - | - |
| Gajapati | Soil test campaigns | 4 | 5 | 17 | - | 126 | 2 | 1 | - | - | - | - |
| Gajapati | Farm Science Club conveners meet | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Self Help Group conveners meetings | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Mahila Mandals conveners meetings | - | - | - | - | - | - | - | - | - | - | - |
| Gajapati | Celebration of important days (World environment day) | 4 | 4 | - | - | 21 | 92 | 2 | 2 | - | - | - |

# 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 |
|---|---|---|---|---|
| Gajapati | March 2015 | April 2014 to March 2015 | 500 | 500 |

### 7.2 Literature developed/published

| KVK Name | Type | Title | Author's name | Number of copies |
|---|---|---|---|---|
| Gajapati | Booklet (Oriya) | Scientific cultivation of Sweet corn | Mr. S. Mohanty Dr.(Mrs) S. Mohanty | 500 |
| Gajapati | Booklet (Oriya) | Scientific cultivation of Sesamun | Mr. S. Mohanty Dr.(Mrs) S. Mohanty | 500 |
| Gajapati | Booklet (Oriya) | Commercial cultivation of Lichi | Mr. S. Mohanty Dr.(Mrs) S. Mohanty | 500 |
| Gajapati | Booklet (Oriya) | Bee keeping | Mr. S. Mohanty Dr.(Mrs) S. Mohanty | 500 |
| Gajapati | Booklet (Oriya) | Mushroom cultivation for income generation | Dr. S. Mohapatra, Dr.(Mrs) S. Mohanty, Mr. S. Mohanty | 500 |

**7.3 Details of Electronic Media Produced - NA**

| 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- NA**

| KVK Name | Major group/class | Crop | Variety | Quantity (qt.) | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

### 8.2 Planting Material production

| KVK Name | Major group/class | Crop | Variety | Nos. | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|---|---|---|---|---|---|---|---|
| Gajapati | Fruits | Mango | Amrapali, Mallika, | 1030 | 20,085 | 35 | 10 |
| Gajapati | Vegetables | Tomato, brinjal, Cauliflower, Cabbage | Utkal Raja, Utkal Kumari, Tarini, Megha, Disha, Green challenger, | 15000 | 18,755 | 40 | 0.5 |
| Gajapati | Mushroom | Oyster Mushroom | P. Sajar Kaju, P. Eryngii | 60 kg | 3,000 | 73 | - |

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

| 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.) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

**8.4 Livestock and fisheries production - NA**

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

## 9. Activities of Soil and Water Testing Laboratory

**9.1 Details of soil samples analyzed so far: NA**

| 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) |
|---|---|---|---|---|---|---|---|---|
| | | ` | | | | | | |

**9.2 Details of water samples analyzed so far :NA**

| 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) |
|---|---|---|---|---|---|---|---|---|
| | | ` | | | | | | |

## 10. Rainwater Harvesting NA

**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 NA

| 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) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

## 12. Utilization of Staff Quarters facilities NA

| KVK Name | Year of construction | Year of allotment | No. of quarters occupied | No. of quarters vacant | Reasons for vacant quarters, if any |
|---|---|---|---|---|---|
| | - | - | - | - | - |

## 13. Details of SAC Meeting

| KVK Name | Date of SAC meeting | No. of SAC members attended | Major recommendations |
|---|---|---|---|
| Gajapati | 10.09.2014 | 15 | 1. Trial should be taken on crop diversification, varietal substitution, cropping pattern.<br>2. OFT and FLD programmes should be exclusively conducted on soil testing.<br>3. Training should be conducted for SHG women on value addition of fruits i.e. pineapple, jack fruits and cashew apple and millets like ragi.<br>4. Suitable and resistance variety of maize should be introduced.<br>5. Intensive training programme for farmers & farm women on mushroom cultivation throughout the district.<br>6. Off season vegetable cultivation should be increased.<br>7. Skill development training on quality planting material production may be arranged.<br>8. Testing of Leucaena leucocephala around the bund area. |
| | 11.02.2015 | 18 | |

## 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. | | |
| Gajapati | 125 | 1310 | 145 | mKisan Portal (From April 2014 –March 2015) | Integrated Nutrient Management, Integrated Pest Management, pest and disease advisory, prophylactic advisories, celebration of important days, mushroom cultivation , value addition, post harvest management, live stock management etc. |

## 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 |
|---|---|---|---|---|---|---|
| Gajapati | ATMA | Central | 400000 | - | Gajapati district | - |
| Gajapati | RKVY | Central | 90000 | Monitoring of BGREI-II Paddy by KVK Scientists | Gajapati district | |

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

| KVK Name | Account No. | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|---|---|---|---|---|
| Gajapati | 30450420961 | 86887 | 80,000 (deposited to DEE, OUAT)<br>119325 | 119325 (As 31.03.2015) |

## 17. Awards & Recognitions

| KVK Name | Name of award /awardee | Type of award (Ind./Group/Inst./Farmer) | Awarding Organizations | Amount received |
|---|---|---|---|---|
| Gajapati | Best Farmer award | Individual Farmer | OUAT | Nil |
| Gajapati | 3rd Prize for Best Exhibition stall | Institution | State Govt. | Nil |

## 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 | Gajapati | Yes | ZPD |

**b) Details about Technology Park**

| Name of KVK | Name of Component of Park | Detail Information (If established) |
|---|---|---|
| Gajapati | Crop Cafeteria | MangoOrchard, Cinamom, Sweet corn, Vegetables, Poly house, Rose garden, Poultry unit, Vermicompost unit, Seedling & Mango graft nursery |
| Gajapati | Technology Desk | - |
| Gajapati | Visitors Gallery | - |
| Gajapati | Technology Exhibition | - |
| Gajapati | Technology Gate-Valve | - |

**c). Crop Cafeteria-**

| Sr. No. | Theme of Crop Cafeteria | No. of Crop Cafeteria |
|---|---|---|
| 1 | Varietal substitution | 2 |
| 2 | Planting material production | 2 |
| 3 | Income Generation | 3 |
| 4. | Orchard Management | 2 |

## 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 | Gajapati | Rama Behera | Low Cost Wheel Barrow | Phuka, Ramagiri |
| 2 | Gajapati | Biwsanath Bhunya | Wooden Pineapple Juice extractor | Sindhiba, R-Udayagiri |

**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 | 10.09.2015 | 15 |
| | | |

## 21. Outreach of KVK

| Name of KVK | Number of Blocks | | Number of Villages | |
|---|---|---|---|---|
| | Intensive | Extensive | Intensive | Extensive |
| Gajapati | 5 | 7 | 185 | 632 |
| | | | | |

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. - NA

| Sr. No. | Name of crop under Technology demonstration | Area under the programme | No. of Extension Activities | Remarks / Lessons learnt |
|---|---|---|---|---|
| 1 | | | | |

## 23. KVK Ring

| Sr. No. | Name of Ring Partner | Sharing Activity | Lessons learnt/ Experiences gained. |
|---|---|---|---|
| 1 | Gajapati, Rayagada, Gamjam II | Implements, Technical Resource. | - |

## 24. Important visitors to KVK

| Name of KVK | Name of Visitor | Date of Visit | ICAR | SAUs | Others | Remarks |
|---|---|---|---|---|---|---|
| **Gajapati** | Miss Manashi Nimbal, Collector cum DM, Gajapati | 12.09.2014 & 21.01.2015 | | | Others | Visit to demo unit & Surprise visit |

| Name of KVK | Name of Visitor | Date of Visit | ICAR | SAUs | Others | Remarks |
|---|---|---|---|---|---|---|
| Gajapati | Mr. Niranjan Samuel, Commissioner – cum Director Ayush, GOI | 21.01.2015 | | | Others | Surprise visit |
| Gajapati | Dr. Bijaya Mohapatra JDEE, OUAT, Bhubaneswar | 06.05.2015<br>10.09.2015<br>10.02.2015<br>11.02.2015 | | SAUs | | Auction, 8th SAC, 9th SAC, Farmers Fair |
| Gajapati | Dr. Subash Mohapatra, Joint Director, Directorate of Extension Education, OUAT, Bhubaneswar | 20.03.2015 | | SAUs | | PPV & FRA meeting |
| Gajapati | Dr. Damodar Parida, ADR Seed cum-Convener IPR Cell, OUAT, Bhubaneswar | 20.03.2015 | | SAUs | | PPV & FRA meeting |
| Gajapati | Dr. Baisidhar Pradhan, Prof. P.B.G., OUAT, Bhubaneswar | 20.03.2015 | | SAUs | | PPV & FRA meeting |
| Gajapti | Dr. Bhabendra Baisakhi, HOD, P.B.G., OUAT, Bhubaneswar | 20.03.2015 | | SAUs | | PPV & FRA meeting |

## 25. Status of KVK Website:

| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
|---|---|---|---|---|
| 1 | Gajapati | April 2012 | 22 | 807 |

## 26. E-CONNECTIVITY - NA

| 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 | | | |
| Gajapati | | | | | | | |

## 27. Status of RTI - NA

| Sr. No. | Name of KVK | No. of RTI applications received | No. of RTI appeals | Remarks |
|---|---|---|---|---|
| 1 | Gajapati | | | |

## 28. Status of Citizen Charter

| Sr. No. | Name of KVK | Query received( Nos) | Query Disposed( Nos) | Remarks |
|---|---|---|---|---|
| 1 | Gajapati | 438 | 438 | - |

**29. Attended HRD Programmes organized by ZPD**

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks Period |
|---|---|---|---|---|
| **Gajapati** | Dr (Mrs) Susmita Mohanty | Programme Coordinator | Action plan workshop at CIFA from 25.04.14 to 26.04.14 | Attended |
| Gajapati | Dr (Mrs) Susmita Mohanty | Programme Coordinator | XXI, Zonal Workshop at Raipur from 05.09.14 to 7.09.2014 | Attended |
| Gajapati | Dr (Mrs) Susmita Mohanty | Programme Coordinator | Workshop on capacity building programme for ITP GRFA in India by PPV & FRA at DRI, Chitrakoot from 17-19, Nov, 2014 | Attended |
| Gajapati | Mr. Sandeep Mohanty | SMS(Plant Protection) | Review meeting cum Workshop on training on PPV & FRA at IGKV, Raipur on 13.03.15 | Attended 13.03.15 |
| Gajapati | Mr. Sanat Kumar Meher | Training on Website of KVK | Indira Gandhi Krishi Vigyan Kendra, Raipur | 11.06.2014 to 12.06.2014 |
| Gajapati | Mr. Sanat Kumar Meher | Managing IT project at KVK | ABV-IIITM, Gwalior | 25.03.2015 to 27.03.2015 |

| Name of KVK | Total Number of staff Attended HRD Programme organized by ZPD (nos) | Total Number of Programme attended (Nos) |
|---|---|---|
| **Gajapati** | **3** | **6** |

**30. Attended HRD Programmes organized by DES**

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|---|---|---|---|---|
| Gajapati | Dr (Mrs) Susmita Mohanty | Programme Coordinator | Finalization common OFT from 27.05.14 to 28.05.14 jointly organized by ZPD & DEE | Attended |
| Gajapati | Mr. Sandeep Mohanty | SMS (Plant Protection) | Finalization common OFT from 27.05.14 to 28.05.14 jointly organized by ZPD & DEE | Attended |
| Gajapati | Dr. Shradhanjali Mohapatra | SMS (Home Sc.) | "Recent advance in Home Sc. & Fishery discipline for Rural Development" from 06.02.2015 to 8.02.2015, DEE, OUAT, BBSR | Attended |
| Gajapati | Mr. Sandeep Mohanty | SMS(Plnt protection) | Appropriateness of different farm technologies on 24.03.15 to 26.03.15 | Attended 24.03.15 to 6.03.15 |

| | | | | |
|---|---|---|---|---|
| Gajapati | Mr. Prasanta Sahoo | Prog. Asst. (Forestry) | Appropriateness of different farm Technologies from 24.03.15 to 26.03.15 | Attended 24.03.15 to 6.03.15 |

| Name of KVK | Total Number of staff Attended HRD Programmes organized by DES (nos) | Total Number of Programmes attended (Nos) |
|---|---|---|
| **Gajapati** | **4** | **5** |

**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 |
|---|---|---|---|---|
| **Gajapati** | **Dr. (Mrs) Shradhanjali Mohapatra** | **SMS (Home Science)** | **1** | **05.09.2014 To 25.09.2015** |

| Name of KVK | Total Number of staff Attended HRD Programmes by KVK staff (nos) | Total Number of Programmes attended (Nos) |
|---|---|---|
| **Gajapati** | **1** | **1** |

**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 |
|---|---|---|---|
| Gajapati | HUDHUD | 12.10.2014 | SAU |

## 33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Name of KVK | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|---|---|---|---|---|
| Gajapati | Health Camp | 1 | 346 | Live stock (Cow, Buffalo, Goat, Sheep, Poultry Bird etc. |

## 34. INTERVENTIONS ON DROUGHT MITIGATION - NA

**Introduction of alternate crops/varieties - NA**

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

**Major area coverage under alternate crops/varieties- NA**

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

**Farmers-scientists interaction on livestock management - NA**

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

**Animal health camps organized - NA**

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

**Seed distribution in drought hit states - NA**

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

**Seedlings and Saplings distributed - NA**

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

**Bio-control Agents - NA**

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

**Bio-Fertilizer - NA**

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

**Verms Produced - NA**

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

**Large scale adoption of resource conservation technologies - NA**

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

**Awareness campaign - NA**

| 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 - NA

1. Technologies to be Demonstrated - NA

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

2. Proposed Extension Activities in NICRA Village - NA

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

3. Proposed Training Activities in NICRA Village - NA

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

4. Proposed Activities for Fodder Bank - NA

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

5. **Proposed Activities for Seed Bank - NA**

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

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

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

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

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

**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

| **Sr. no.** | **Name of KVK** | **No. of success stories** | **No. of case studies** |
|---|---|---|---|
| | **Gajapati** | **2** | **-** |

## Success Story - 1

1. Name of the enterprise/Practice/Technology : **DIVERSIFIED FARMING A WAY TO EMPOWERMENT**

**2. Name and Address of the farmer :**

Smt. Ambika Nayak, W/o. Sri Trinatha Nayak, Vill – Jubagaon, G.P – Chandragiri, Block – Mohana, Dist – Gajapati.

**3. Initial status**

Smt Ambika Nayak (52 years), a farm women of Jubagaon village has holding size of 16 acres land basically growing direct seeded rice, maize & ragi followed by horse gram as a traditional farming practice and profit generated was very meager to maintain her family of fourteen members in a better way .i.e. health, education and decent livelihood status.

**4. KVK Intervention**

During 2014-15 she cultivated hybrid maize var. super-36 as per the recommendation of KVK scientist. Training and demonstration programme were conducted on improved package and practices for cultivation of hybrid of Maize. Smt. Ambika was identified as very progressive and receptive who could mobilize the beneficiaries for systematic and scientific cultivation by her own interest. She could be able to harvested 52 t/ha of maize which was the highest yield and the net return was Rs. 68,120/- with B:C ratio of 2.27 against the farmer practice of 30 qntl/ha. with this benefit from scientific maize cultivation she was motivated to diversify her farming system with improved cultivation of rice, ragi and vegetables from his 6.4 ha of land for maximization of profit.

**5. Innovative Extension approach**

| Sl. No | Scope | Suggested enterprises | Enterprises adopted |
|---|---|---|---|
| 1 | Rice, maize | Hyv./hybrid maize | Hyv+/hybrid maize |
| | | Hyv Rice | Hyv Rice |
| 2 | Millets | Ragi var.Bhairavi | Ragi var.Bhairavi |
| 3 | Vegetable nursery | Vegetables (Cow pea, brinjal, Tomato, chilli, beans, cauliflower, cabbage) | (Cow pea, brinjal, Tomato, chilli, beans, cauliflower, cabbage) |
| 4 | Mushroom | Mushroom (Oyster from maize stalk) | Mushroom (Oyster from maize stalk) |
| 5 | Poultry | Banaraja Poultry | Banaraja Poultry |

**6. Deposits of technology**

KVK provided Agri advisory services and established linkage with AAO/AHO, R.Udayagiri, input suppliers Paralakhemundi for availability of quality seeds and other critical inputs like biofertilizer, fertilizer, biopesticides, micro nutrient and finance from banks and micro finance agencies. She started cultivation with maize, transplanted ragi (Bhairabi), Maize+arhar inter crop, off season cauliflower, brinjal (Tareni), Green pea (local), tomato (BT-10) and Chili (Local) through improved cultivation practices. She followed treatment proper seed treatment and appropriate fertilizer management practices integrated with organic and chemical inputs. The continuous follow up activities by scientists of KVK during the cropping

season could build his confidence and skill for the improved method of cultivation with minimization of cost of cultivation by timely farming operations.

**7. Adoption of technology**

**A) Details of technology**

| Crop | Technology intervention | Season | Area(Ha) |
|---|---|---|---|
| Maize | Packages of practices | Kharif | 2.2 |
| Ragi | Packages of practices | Kharif | 0.8 |
| vegetables | Packages of practices | Kharif + rabi | 1 |
| Rice | Packages of practices | Kharif | 2.4 |

B) **Profit-Share analysis**

| Crop | Gross cost | Gross return | Net return | B:C ratio |
|---|---|---|---|---|
| Maize | 30,000 | 68,120 | 38120 | 2.75 |
| Ragi | 6,000 | 20,000 | 14,000 | 3.30 |
| Vegetables | 25,000 | 1,35,000 | 11,0,000 | 5.40 |
| Rice | 25,000 | 48,960 | 23,960 | 1.95 |
| **Total** | **86,000** | **2,72,080** | **1,86,080** | **3.16** |

**C. Socio economic change**

Smt. Ambika Nayak is now better up in her social status due to strengthening her farming economy through such type of diversified farming system. Her husband with 4 sons helped a lot taking care of her homestead farming system. How ever the family labour could be efficiently utilized for sustainability of the system.

**D. Other out come**

| Gain in Knowledge | Before | After |
|---|---|---|
| Improved cultivation technique | Low level of knowledge | Moderately level of knowledge gained |
| Skill<br>Seed treatment, fertilizer application, Interculture, Intercropping, Use of bio pesticide, Pest and diseases management | Low level of skill | Skill developed |
| Role in technology dissemination | Self motivated | Well oriented towards the achievement motivation for self and the fellow farmers in the village community. |
| Involvement of women farmers | Shy and hiding facts | Skill developed and better oriented towards participation in capacity building programmes |

**8. Farmer's reaction towards K.V.K intervention :**

The farmers of Jubagaon village appreciated the technological intervention of KVK, Gajapati and realized the out come of the improved cultivation practices through diversified farming system and cost effectiveness. Most of the farmer of the village have now started diversifying their farming. Smt. Ambika Nayak is now become a better farmer trainer of that village for her friends and relatives. Even some of them have now started seed production in tomato seeds of BT-10 variety and supplying to the private traders @Rs. 5000 /Kg of seed.

**9. Follow up :**

Scientists of KVK Gajapati are making regular follow up and suggestions the critical technical intricacies faced by the farmers. The feedback is collected through ex-trainee meet, diagnostic field visit and group discussion. The crop planning is advised well ahead to procure the critical inputs for their timely applications. Scientists are advising all possible solution measures through practicable and advising appropriate recommendations.

**10. Photograph :**




## Success Story – 2

1. Name of the enterprise/Practice/Technology : **CROP DIVERSIFICATION BRINGS HAPPINESS**
2. Name and Address of the farmer:

Mr. Aruna Chandra Pradhan, S/o. Sri Simadri Pradhan, Vill – R-Udayagiri, G.P – R-Udayagiri, Block – R-Udayagiri, Dist – Gajapati

**3. Initial status.**

Mr. Aruna Chandra Pradhan (36 years), a farmer of R-Udayagiri village has holding size of 9 acres land basically growing direct seeded rice, maize & ragi followed by black gram as a traditional farming practice. During the year 2013-14 he cultivated only maize in his land could earn Rs 32,000/- with net profit of Rs. 15,000/- but kept his land fallow during Rabi season though his family were not engaged in other works and subsequently his family got less income from traditional farming.

**4. K.V.K Intervention :**

Considering the importance of horticultural crops especially vegetable (Tomato, Okra, Chilli, Brinjal) and other enterprises (Mushroom, Poultry) for a sustainable income, K.V.K Gajapati motivated him to adopt integrated farming during 2014-15.

**5. Innovative extension approach :**

Krishi Vigyan Kendra (Gajapati) exposed the farmers towards wilt resistant brinjal production through integrated farming system. Literatures on integrated farming system were provided to the farmers. Linkage was facilitated with AHO, R. Udayagiri, for necessary inputs follow up.

**6. Deposits of the technology. Please specify details of the technology/practice/enterprise introduced.**

After K.V.K intervention through trainings, FLDs and OFTs programmes he showed keen interest for cultivating maize hybrid (PAC - 740) and HYV of vegetable crops like BT-10-Tomato, Tareni-Brinjal, early synthetic variety of cauliflower along with other enterprise like Oyster mushroom, Poultry variety Banaraja. Scientists of K.V.K made regular visit to his farm and guided him to overcome the difficulties/problems pertaining to these enterprises. Linkage was facilitated by arranging quality inputs at right time. For quick and early disposal of his produces, better marketing linkages were also made with local farmers in generating better income and higher profit.

**7. Adoption of the technology & benefit, to the farmers.**

a. Details of the technology adoption:

| Crop/enterprise | Variety | Season | Area(Acre) |
|---|---|---|---|
| Rice | Hyv. Rice | Kharif | 4 |
| Ragi | Bhairabi | Kharif | 2 |
| Maize | PAC - 740 | Kharif | 3 |
| Tomato | Annapurna | Rabi | 0.4 |
| Brinjal | Tareni | Rabi | 0.4 |
| Cauliflower | Megha | Rabi | 0.4 |
| Cabbage | Disha | Rabi | 0.4 |
| Mushroom | Oyster mushroom | Rabi | 20 beds (4months) |
| Poultry | Banaraja | Rabi | 30 chicks |

b. Area, yield, income etc.:

| Crop/enterprise | Gross cost | Gross return | Net return | B.C. Ratio |
|---|---|---|---|---|
| Maize | 35000 | 65500 | 30500 | 1.87 |
| Rice | 20000 | 42000 | 22000 | 2.10 |
| Tomato | 45000 | 90000 | 45000 | 2.00 |
| Brinjal | 30000 | 55000 | 25000 | 1.81 |
| Cabbage | 35000 | 77500 | 42500 | 2.21 |
| Cauliflower | 20000 | 45000 | 25000 | 2.25 |
| Total | 185000 | 375000 | 190000 | 2.02 |

c. Socio. Economic change

He purchased one pump set for his farm and one bicycle for his family, Pressure cooker, one colour Television was also purchased for entertainment, fuel economy and drudgery reduction. He is able to spend for education and health of his two children. He could also generate saving for emergency requirement.

d. Othis outcomes not captured in previous points (gain in knowledge, skill, role in technology dissemination, etc.)

**8. Farmers reaction and feedback**

a. Reaction applicability of the technology

The farmers of Lubursing village were surprised after visualizing the success of integrated farming. Most of the farmers who have visited Mr. Aruna's field have appreciated the integrated farming technology and are interested in replicating this practice of their own and have requested KVK Gajapati to guide them

**9. Extent of diffusion effect of the newly adopted technology/practice. Please indicate area expansion in detail.**

Being inspired the success of Mr. Aruna, farmers have showed keen interest towards adapting integrated farming as a commercial enterprise in their very livelihood as a sustainable means for their upliftment have approached K.V.K Gajapati for advisory services starting a small unit of integrated farming of their land.

**10. Follow up action by K.V.K.**

Scientists from K.V.K Gajapati have been regularly visiting the farmers and imparting training on integrated farming system cultivation and extending all possible recommendations of integrated cultivation.

**11. Action photographs**



**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) –**

| | | |
|---|---|---|
|  |  |  |
| **Assessment of Thiachloprid for management of fruit and shoot borer in brinjal** | **Assessment of Chemical management of Aphids in cauliflower** | **Assessment of value addition of cashew apple for income generation** |
|  |   |  |
| **Demonstration of Sweet Corn var. Sugar 75** | **Demonstration on HYV Field Pea Var. Rachana** | **Demonstration on HYV Sesamum Var. Prachi** |

| | | |
|---|---|---|
|  |  |  |
| **Demonstration on oyster mushroom cultivation using maize stalk** | **Demonstration on Backyard poultry (Var. Banaraja)** | **Mrs. Manashi Nimbal., Collector-cum-DM, Gajapati & Deputy Director of Agriculture, Gajapati** |
|  |  |  |
| **Dr. Samuel Niranjan, Commissioner,GOI & Mrs. Manashi Nimbal., Collector-cum-DM, Gajapati** | Farmers fair at Chandiput | PPV & FRA Training at KVK Campus |