

ANNUAL PROGRESS REPORT

April 2015 to March 2016

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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. Grey 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 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 2015 to March 2016
Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16

| S.N. | Quantifiable Achievement | Number | Beneficiaries (nos.) | |
|----------|--|--------------------------|-----------------------------|---------------------|
| 1 | On Farm Testing | | | |
| | Proposed OFT | 14 | 119 | |
| | On Going OFT | - | - | |
| | Technologies assessed (Completed OFT) | 8 | 68 | |
| | Technologies refined | - | - | |
| | On farm trials conducted | 8 | 68 | |
| 2 | Frontline demonstrations | | | |
| | Proposed Frontline demonstrations | 14 | 125 | |
| | On Going Frontline demonstrations | - | - | |
| | FLDs conducted on crops | 11 | 195 | |
| | Area under crops (ha.) | 63 | 195 | |
| | FLD on farm implement and tools | - | - | |
| | FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.) | - | - | |
| | FLD on Fisheries - Finger lings | 2 | 9 | |
| | 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 | Training programmes | No. of Course | Duration (days) | Participants |
| | Farmers | 24 | 42 | 600 |
| | Farm women | - | - | - |
| | Rural youth | 9 | 18 | 135 |
| | Extension personnel/ In service | 3 | 4 | 45 |
| | Vocational trainings | 2 | 9 | 30 |
| | Sponsored Training | - | - | - |
| | Total | 38 | 73 | 805 |
| | | No. of programmes | Participants | |
| 4 | Extension Programmes | 739 | 110322 | |
| 5 | Production of technology inputs etc | Qty | Beneficiaries (nos.) | |
| | Seed (qt.) | 0.7 | - | |
| | Planting material produced (nos.) | 722846 | 121 | |
| 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.) | 290 | 58 | |

| | | | | |
|----|--|-----------------------------|--------------------------------|------------------------------------|
| 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) | 2 | 2 | 2 |
| | Publications (Res. Paper/ pop. Art./Bulletin,etc.) | 14 | 7500 | 7500 |
| | KVK News letter | 4 | 2000 | 2000 |
| | SAC Meetings conducted | 2 | 52 | 52 |
| | Soil sample tested | 42 | 210 | 210 |
| | Water sample tested | - | - | - |
| | RWH System (Special training and field visit on RWH structure and MIS in KVKs) | - | - | - |
| | KVK-KMA (Message and beneficiaries) | 29 | 28883 | 28883 |
| | Convergence programmes | - | - | - |
| | Sponsored programmes | - | - | - |
| | KVK Progressive Farmers interaction | - | - | - |
| | No. of Technology Week Celebrations | - | - | - |
| | Attended HRD activities organized by ZPD | 2 | 2 | 2 |
| | Attended HRD activities organized by DES | 1 | 1 | 1 |
| | Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.) | - | - | - |
| 9 | Current status of Revolving Funds (Amt. in Rs.) | | | 124448 |
| 10 | | No. of blocks | No. of villages | |
| | Outreach of KVK in the District | 3 | 226 | |
| 11 | | ICAR | SAU | Others |
| | No. of important visitors to KVK (nos.) | - | 2 | 2 |
| 12 | | Working (Yes/No) | No. of Update | |
| | Status of KVK Website | Yes | 2 | |
| 13 | | Application received | Application disposed | |
| | Status of RTI (nos.) | - | - | |
| 14 | | Query received | Query dissolved | |
| | Citizen Charter (nos.) | - | - | |
| 15 | | Working (Yes/No) | No. of programme viewed | |
| | E-connectivity | - | - | |
| 16 | | Filled | Vacant | |
| | Staff Position | 12 | 4 | |
| 17 | Workshop/ Seminar/ Conference attended by staff of KVK (nos) | | 6 | |
| 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) | | | |

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2016

| Name of KVK | Sanctioned Posts | PC (1) | | Scientist (6) | | PA (3) | | Admn. (6) | | Total | |
|-------------|------------------|--------|--------|---------------|--------|--------|--------|-----------|--------|-------|--------|
| | | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled |
| KVK, Boudh | 16 | 01 | 01 | 6 | 3 | 03 | 02 | 6 | 6 | 16 | 12 |

| 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 | Category (SC/ST/OBC/ Others) |
|--------------|-----------------------------|-----------------------|------------------|---------------------|------------------------------|--------------------------|---------------------|-----------------|----------------------|------------------------------|
| Boudh | Sr. Scientist & Head | S. Lenka | Agril. Extension | MSc(Ag), MBA, PGDRD | Agril. Extension | 15600-39100 AGP -6000 | 19050 | 01/11/15 | Permanent | Others |
| Boudh | Scientist 1 | A.B Das | Agril. Extension | MSc(Ag) | Agril. Extension | 15600-39100 AGP -6000 | 22220 | 25/06/12 | Permanent | SC |
| Boudh | Scientist 2 | B.P Giri | Horticulture | MSc(Ag) | Pomology | 15600-39100 AGP -6000 | 21390 | 08/10/09 | Permanent | Others |
| Boudh | Scientist 3 | Ms J R Mallick | Entomology | MSc(Ag) | Entomology | 15600-39100 AGP -6000 | 15600 | 05/01/16 | Temporary | ST |
| Boudh | Scientist 4 | Vacant | - | - | - | - | - | - | - | - |
| Boudh | Scientist 5 | Vacant | - | - | - | - | - | - | - | - |
| Boudh | Scientist 6 | Vacant | - | - | - | - | - | - | - | - |
| Boudh | Programme Assistant | Vacant | - | - | - | - | - | - | - | - |
| Boudh | Farm Manager | Harapriya Sethy | Horticulture | MSc (Ag) | Floriculture & Land Scalping | 9300-34800 AGP- 4200 | 9300 | 03/02/15 | Temporary | SC |
| Boudh | Computer Programmer | Md. Sadakat Ali | - | MA PGDCA | Computer PGDCA | 9300-34800 AGP-4200 | 13450 | 28/12/10 | Permanent | Others |
| Boudh | Accountant / superintendent | Trinath Pani | - | - | - | 9300-34800 AGP-4600 | 12930 | 29/12/10 | Permanent | Others |

| 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 | Category (SC/ST/OBC/ Others) |
|--------------|------------------|-----------------------|------------|----------------|---------------------------|--------------------------|---------------------|-----------------|----------------------|------------------------------|
| Boudh | Stenographer | B. K. Behera | - | - | Stenography | 5200- 20000 AGP -2400 | 7270 | 16/01/06 | Temporary | SC |
| Boudh | Driver | T. Sahoo | - | - | - | 5200-20200 AGP-1900 | 6350 | 07/09/15 | Temporary | Others |
| Boudh | Driver | G.S.Choudhury | - | - | - | 5200-20200 AGP-1900 | 6350 | 15/11/13 | Temporary | Others |
| Boudh | Supporting staff | B. Baral | - | - | - | 4440-14680 AGP-1300 | 5790 | 20/12/07 | Temporary | Others |
| Boudh | Supporting staff | K. Samal | - | - | - | 4440-14680 AGP-1300 | 5790 | 20/12/07 | Temporary | 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 |
|----------|----------------------------|--------------|-------------------|------------|----------|----------------------|----------------|----------------------|
| Boudh | Western Central Table Land | 3 | 63 | 441,162 | 72.51 | 160298 | 75922 | 1.06 |

Land utilization statistics of district Boudh during 2015

| Item | Area in "000" ha |
|---------------------------------|-----------------------|
| Geographical area | 310 |
| Forest | 128 |
| Trees and grooves | 19 |
| Permanent pastures | 17 |
| Cultivable waste | 20 |
| Land put to non-agriculture use | 21 |
| Barren and uncultivable land | 12 |
| Current fallow | 4 |
| Other fallow | 4 |
| Net area sown | 85 |
| Net irrigated area | 40.96(K) and 12.69(R) |
| Gross irrigated area | 53.51(K) and 3.55(R) |

| | |
|-------------------|-----------------|
| High land | 55 |
| Medium land | 21 |
| Low land | 13 |
| Population | 000 Nos. |
| Male | 221 |
| Female | 220 |
| Total | 441 |
| SC | 104 |
| ST | 55 |

Major farming systems/enterprises (based on the analysis made by the KVK)

| S. No | Farming system/enterprise |
|-------|-----------------------------|
| 1 | Rice-Pulses |
| 2. | Rice- Oilseeds |
| 3 | Rice –rice, rice-vegetables |
| 4 | Sugarcane |
| 5 | Cotton |
| 6 | Goatary, Diary |

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

| S. No | Agro-climatic Zone | Characteristics |
|-------|----------------------------|---|
| 1 | Western Central Table Land | This zone spreads over 17190 sq kms accounting for 11.06% of the total geographical area fall between 20°9' to 22°11' N latitude and 82° 39' to 85°15' E longitude. The zone consist of 43 blocks of, Bargarh, Sonapur, Boudh, Bolangir & parts of Sambalpur & Jharsuguda district. |

| S. No | Agro ecological situation | Characteristics |
|-------|---------------------------|--|
| 1 | Climate | Hot to sub humid with a mean maximum summer temperature 46° centigrade and mean winter temperature 12.4° centigrade. |
| 2 | Rainfall | 1683 mm. annual |

Soil type/s

| S. No | Soil type | Characteristics | Area (ha) |
|-------|-------------------|-----------------|-----------|
| 1 | Black soil | Clay loam | 96100 |
| 2 | Mixed red & black | Sandy clay loam | 164300 |
| 3 | Red soil | Sandy loam | 49600 |

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

| S. No | Crop | Area (000 ha) | Production (qt) | Productivity (qt/ha) |
|-------|------------|---------------|-----------------|----------------------|
| 1 | Paddy | 70.98 | 2073127 | 27.31 |
| 2 | Green gram | 13.02 | 3734 | 4.92 |
| 3 | Black gram | 5.45 | 3380 | 4.50 |
| 4 | Arhar | 4.58 | 3350 | 7.32 |
| 5 | Sesamum | 4.11 | 1650 | 4.01 |
| 6 | Onion | 1.03 | 14640 | 142.10 |
| 7 | Sugarcane | 0.12 | 1744 | 725.48 |

Weather data

| Month | Rainfall (mm) | Temperature °C | | Relative Humidity (%) |
|-------|---------------|----------------|---------|-----------------------|
| | | Maximum | Minimum | |
| April | 1623.1 | 46°C | 10°C | 19% |
| | | - | - | - |

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

| Category | Population | Production | Productivity |
|------------------------|------------|------------|--------------|
| Cattle | | | |
| <i>Crossbred (No)</i> | 13566 | - | - |
| <i>Indigenous(No)</i> | 163586 | - | - |
| Buffalo(No) | 17411 | - | - |
| Sheep | | | |
| <i>Crossbred (No)</i> | 183 | - | - |
| <i>Indigenous (No)</i> | 83987 | - | - |
| Goats (No) | 101660 | - | - |
| Pigs | | | |
| <i>Crossbred</i> | 0 | - | - |
| <i>Indigenous (No)</i> | 283 | - | - |
| Rabbits | | | |
| | | - | - |

| Category | Population | Production | Productivity |
|------------------------------------|------------|------------|--------------|
| Poultry (No) | 107953 | - | - |
| Milk Production (2014-15) (000 MT) | - | 22.13 | - |
| <i>Egg (Mill No)</i> | - | 13.59 | - |
| <i>Meat (M.T)</i> | - | 2368.65 | - |
| Ducks | | - | |
| Turkey and others | | - | |
| Fish | | - | |
| <i>Fresh water (in MT)</i> | | 5167.60 | |
| <i>Inland</i> | | 5167.60 | |

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) |
|----------|--------------|------------------|------------|-------------------|------------|--|
| Boudh | Rampur | 2014 | Boudh | 35 | 250 | 50 |
| Boudh | Isirisinga | 2010 | Boudh | 6 | 446 | 75 |
| Boudh | Baghada | 2011 | Kantamal | 90 | 300 | 49 |
| Boudh | Palaspat | 2015 | Boudh | 40 | 820 | 215 |
| Boudh | Lambakani | 2008 | Harbhanga | 10 | 252 | 37 |

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

| KVK Name | THRUST AREA |
|----------|--|
| Boudh | Crop diversification and varietal substitution |
| Boudh | Integrated Nutrient Management practices in crops |
| Boudh | Acid soil reclamation |
| Boudh | Integrated Pest & Disease Management |
| Boudh | Improving productivity of horticultural crops |
| Boudh | Farm mechanization, post-harvest and soil and water conservation |
| Boudh | Drudgery reduction |
| Boudh | Scientific management of Goatery, Apiary, Fishery & Dairy |
| Boudh | Organic farming |
| Boudh | Post-Harvest Management and Value Addition |
| Boudh | Soil and Water Conservation |
| Boudh | Organic farming-use of vermicompost, Azolla and biofertiliser |

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 |
|-----------------|--|--|--|
| Boudh | Improper Fertilizer Management | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga (Boudh Block), Baghada (Kantamal block) |
| Boudh | High labour intensive crops and less profit | Field visit, PRA Survey and Group Discussion | Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block) |
| Boudh | Poor Commercial Horticulture | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block) |
| Boudh | Low Productivity of Diary, Goatery, Poultry, Pisciculture | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga, Badagochapada (Boudh Block), |
| Boudh | Malnutrition | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga (Boudh Block), Baghada (Kantamal block) |
| Boudh | Low family income | Field visit, PRA Survey and Group Discussion | Amthapada, ishrisinga (Boudh Block), (Harbhanga Block), Baghada (Kantamal block) |
| Boudh | Deforestation and less availability of fuel wood & fodder, Unscientific harvesting of non-timber forest products | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga (Boudh Block) Baghada (Kantamal block) |
| Boudh | Unemployment and poverty of landless farmers | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block) |
| Boudh | Low yield of crops due to high incidence of pest & diseases | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block) |
| Boudh | Unutilized natural resource | Field visit, PRA Survey and Group Discussion | Amthapada, Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block) |

2. On-Farm Testing

2.1 Information about OFT

| KVK name | Year/ Season | Problem diagnose | Category of technology (Assessment/Refinement) | Thematic Area | Crop/ enterprise | Farming Situations | Target (ha) | No. of trials | Title of OFT | Results (with parameter) | | | Net Returns (Rs./ha) | | |
|----------|-----------------------------------|--|--|---------------------|------------------|------------------------|-------------|---------------|--|--------------------------|--------------|--------------|----------------------|--------|--------|
| | | | | | | | | | | Farmer practice T1 | Rec. Tech T2 | Rec. Tech T3 | T1 | T2 | T3 |
| Boudh | Kharif 2015 | Crop loss due to water scarcity in the later stage | Assessment | Varietal evaluation | Paddy | Rainfed | 0.5 | 7 | Assessment of short duration rice varieties under rainfed upland | 32.4 | 38.6 | 36.8 | 15100 | 20820 | 18660 |
| Boudh | Kharif 2015 | Low yield from local Banana varieties | Assessment | Varietal evaluation | Banana | Irrigated /Medium land | 0.4 | 7 | Assessment of tissue culture banana varieties | Cont. | | | | | |
| Boudh | Kharif 2014 & 2015 (2nd year) | Low yield from Local onion varieties | Assessment | Varietal evaluation | Onion | Rain fed Up land | 0.3 | 7 | Assessment of onion varieties in Kharif under rainfed upland | 169.7 | 181.14 | 196.2 | 150550 | 168710 | 187300 |
| Boudh | Rabi-2014-15 & 2015-16 (2nd year) | Low yield from var. N-53 | Assessment | Varietal Evaluation | Onion | Irrigated /Medium land | 0.5 | 13 | Assessment of Onion varieties in Rice based cropping system | 213.2 | 245.76 | - | 117020 | 146580 | - |
| Boudh | Rabi-2014-15 & 2015-16 (2nd year) | Heavy weed infestation & expensive manual weeding | Assessment | Weed management | Onion | Irrigated/ Medium land | 0.5 | 7 | Assessment of a weed management module in onion | 204.8 | 238.2 | 221.7 | 108620 | 148833 | 129420 |
| Boudh | Kharif 2015 | Lac of suitable early var. in upland condition | Assessment | Varietal evaluation | Pigeon pea | Upland | 1 ha | 7 | Assessment of short duration pigeon pea varieties under rainfed up land | 7.6 | 11.2 | 11.6 | 15400 | 32900 | 35300 |
| Boudh | Rabi 2015-16 | Low yield from farmer's variety | Assessment | Varietal evaluation | Tomato | Irrigated | 0.5 | 13 | Assessment of tomato hybrids and staking methods under rice - vegetable system | 351.2 | 477.9 | - | 220600 | 346100 | - |
| Boudh | Rabi 2015-16 | Low plant stand & yield | Assessment | ICM | Watermelon | Irrigated | 0.5 | 7 | Assessment of transplanting method of cucurbit (Watermelon) | 207.5 | 235.2 | 246.4 | 43870 | 55400 | 60960 |

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) | RP (T ₃) | FP (T ₁) | RP (T ₂) | RP (T ₃) | FP (T ₁) | RP (T ₂) | RP (T ₃) | FP (T ₁) | RP (T ₂) | RP (T ₃) | FP (T ₁) | RP (T ₂) | RP (T ₃) |
| Boudh | Assessment of short duration rice varieties under rainfed upland | Grain /panicle(No) | 220 | 265 | 240 | 23700 | 25500 | 25500 | 38800 | 46320 | 44160 | 15100 | 20820 | 18660 | 1.6 | 1.81 | 1.73 |
| Boudh | Assessment of tissue culture banana varieties | | | | | Contd. | | | | | | | | | | | |
| Boudh | Assessment of onion varieties in Kharif under rainfed upland | Bulb Dia(Cm) | 6.7 | 7.5 | 8.3 | 104000 | 103000 | 107000 | 254550 | 271710 | 294300 | 150550 | 168710 | 187300 | 2.44 | 2.63 | 2.75 |
| Boudh | Assessment of Onion varieties in Rice based cropping system | Bulb Dia(Cm) | 5.6 | 7.1 | - | 96180 | 99180 | - | 213200 | 245760 | - | 117020 | 146580 | - | 2.21 | 2.47 | - |
| Boudh | Assessment of a weed management module in onion | No. of weed /m ² | 502.4 | 85.7 | 192.5 | 96180 | 89367 | 92280 | 204800 | 238200 | 221700 | 108620 | 148833 | 129420 | 2.12 | 2.66 | 2.4 |
| Boudh | Assessment of short duration pigeon pea varieties under rainfed up land | Pods/plant(No.) | 180 | 213 | 230 | 30200 | 34300 | 34300 | 45600 | 67200 | 69600 | 15400 | 32900 | 35300 | 1.5 | 1.95 | 2.02 |
| Boudh | Assessment of tomato hybrids | No. of fruits/plant | 27.6 | 43.2 | - | 130600 | 131800 | - | 351200 | 477900 | - | 220600 | 346100 | - | 2.68 | 3.62 | - |

| | | | | | | | | | | | | | | | | | | |
|-------|---|----------------------|------|-----|-----|-------|-------|-------|--------|--------|--------|-------|-------|-------|-----|-----|-----|--|
| | and staking methods under rice – vegetable system | | | | | | | | | | | | | | | | | |
| Boudh | Assessment of transplanting method of cucurbit (Watermelon) | % of plant mortality | 19.2 | 6.7 | 5.5 | 59880 | 62240 | 62240 | 103750 | 117640 | 123200 | 43870 | 55400 | 60960 | 1.7 | 1.9 | 2.0 | |

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

2.4 Economic Performance Home Science OFT:

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-----------------------------------|----|---------------------------------|----|--------------|----|-------------------------|----|--------------------------|----|---------------------|----|---------------|----|--------------------|----|--------------|----|------------|----|--------------|----------|
| | | Output m ² /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 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

2.5 Feedback from KVK to Research System

| Name of KVK | Feedback |
|-------------|---|
| Boudh | <ul style="list-style-type: none"> Sowing and transplanting time of kharif onion is to be standardized to avoid bolting during maturity period Broad leaf weed are not controlled by application of Quizalofop ethyle in Onion. Thus, effective post emergence herbicide is to be standardized in Onion. Availability of seed of tomato hybrid Swarna Sampad plentifully through private seed dealer Appropriate age of watermelon seedling is to be standardized for transplanting |

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 |
| Boudh | Pigeonpea | ICM | Cultivation of high yielding variety Pigeonpea <i>Maruti</i> with integrated nutrient & pest management practices | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 23 | 57 | 35 |
| Boudh | Groundnut | ICM | Cultivation of high yielding Groundnut variety <i>Devi</i> with integrated nutrient, weed and pest management practices | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 12 | 28 | 12 |
| Boudh | Plastic tunnel | Crop production | Construction of plastic tunnel using bamboo & transparent polyethylene for raising vegetable seedling | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 06 | 14 | - |
| Boudh | Cauliflower | Varietal evaluation | Cultivation of Cauliflower var. Pusa Katki in kharif season being sown in mid June with maturity in mid October | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 15 | 36 | 15 |
| Boudh | Pisculture | Production & management | Stocking ratio @ Catla 20%, Silver carp 20%, Rohu 20%, Grass carp 10%, Mrigal 15%, Common carp 15% | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 07 | 09 | 4 |
| Boudh | Pisculture | Production & management | Stocking of yearling @ 5000 / ha | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 09 | 12 | 06 |
| Boudh | Paddy | Varietal evaluation | Hybrid paddy Rajalaxmi, Seed rate 15 kg/ha NPK 120:60:60 kg/ha | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 06 | 14 | 14 |
| Boudh | Paddy | Varietal evaluation | Variety: Sahabhagi dhan ,seed @ 75 kg/ha , NPK 60:30:30 kg/ha | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 12 | 30 | 35 |
| Boudh | Brinjal | IDM | Seedling root dip treatment (Carbendazim 20 gm + Streptocyclin 1 gm in 10 lit) + soil application of <i>T.viridae</i> and <i>P. fluroscence</i> each @ 5 kg/ ha with FYM at 21 days of transplanting | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 15 | 40 | 20 |
| Boudh | Chilli | IDM | Soil application of <i>T.viridae</i> @ 5kg/ha with FYM and spraying of Ridomyl MZ @ 1 kg/ha | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 04 | 12 | 03 |

| | | | | | | | |
|-------|-----------------|-------|---|---|----|-----|-----|
| Boudh | Tomato | INM | Soil application of Azotobacter & PSB each @ 5 kg/ha, 75 % of RDF & foliar application of multi micronutrient @2 ml/lt. | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 08 | 32 | 14 |
| Boudh | Watermelon | INM | FYM = 20 ton /ha, soil application of Borax @ 10 kg /ha along with RDF NPK @200:100:100 kg /ha | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 04 | 24 | 24 |
| Boudh | Watermelon | IPM | Use of pheromone trap @ 20 trap/ha and alternate spraying of BT 1 kg/ha and Cypermethrin 25 EC 500 ml/ha | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 03 | 15 | 15 |
| Boudh | Cabbage | IDM | Soil application of <i>T. viridae</i> @ 5 kg/ha along with FYM and spraying of Carbendazim 12 % + Mancozeb 63 % @ 1 kg / ha | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 04 | 20 | 8 |
| Boudh | Poultry Rearing | SSIGE | Scientific rearing practices of poultry | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 32 | 160 | - |
| Boudh | Groundnut | ICM | Cultivation of high yielding Groundnut variety Devi with integrated nutrient, weed and pest management practices | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 08 | 24 | 12 |
| Boudh | Greengram | ICM | Cultivation of Greengram var.PDM-54 with INM & IPM Practices | Kissanmela, FLD, Field day, Meeting, Extension bulletin | 35 | 350 | 170 |

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/Enterprizes | Crop-Area (ha) / Entrep - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|--------------|---------|--------------|---------------|--|-------------------------|--|-------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| Boudh | 2015-16 | Kharif-2015 | ICM | Demonstration of improved Groundnut cultivation | Groundnut | Devi | 5.0 | 13.2 | 16.8 | 27.2 | 1 | - | - | 9 | 10 |
| Boudh | 2015-16 | Kharif-2015 | ICM | Demonstration of improved Pigeonpea cultivation | Pigeonpea | Asha | 5.0 | 7.7 | 9.5 | 23.3 | 5 | - | 5 | - | 10 |
| Boudh | 2015-16 | Kharif-2015 | IDM | Seedling root dip treatment (Carbendazim 20 gm + Streptocyclin 1 gm in 10 lit) + soil application of <i>T. viridae</i> and <i>P. fluroscence</i> each @ 5 kg/ha with FYM at 21 days of transplanting | Brinjal (Wilt) | Utkal Hybrid | 1.0 | 231.4 | 289.8 | 25.2 | - | - | 9 | 1 | 10 |
| Boudh | 2015-16 | Rabi-2015-16 | INM | FYM = 20 ton /ha, soil application of Borax @ 10 kg /ha along with RDF NPK @200:100:100 kg /ha | Watermelon | Sugar Baby | 2.0 | 214.2 | 248.7 | 16.1 | 10 | - | 10 | - | 10 |

| | | | | | | | | | | | | | | | |
|-------|---------|--------------|-----------------------|--|-------------------------|-------------------|------|-------|-------|-------|---|---|----|---|----|
| Boudh | 2015-16 | Kharif-2015 | Varietal evaluation | Variety: Sahabhazi dhan ,seed @ 75 kg/ha , NPK 60:30:30 kg/ha | Paddy | Sahabhazi dhan | 2.0 | 28.5 | 33.5 | 17.5 | 7 | - | 3 | - | 10 |
| Boudh | 2015-16 | Rabi-2015-16 | IPM | Use of pheromone trap @ 20 trap/ha and alternate spraying of BT 1 kg/ha and Cypermethrin 25 EC 500 ml/ha | Watermelon (Spodoptera) | Black Magic | 2.0 | 203.8 | 244.3 | 19.8 | - | - | 10 | - | 10 |
| Boudh | 2015-16 | Kharif 2015 | Production management | Demonstration of grow out culture of yearlings of IMC | IMC | IMC | 1 | 19.7 | 23.5 | 31.3 | - | - | 04 | - | 04 |
| Boudh | 2015-16 | Kharif 2015 | Production management | Demonstration of exotic carps with IMC in poly culture | IMC, Exotic carps | IMC, Exotic carps | 1 | 18.4 | 24.2 | 31.5 | - | - | 05 | - | 05 |
| Boudh | 2015-16 | Rabi-2015-16 | ICM | M-27 + NPK @ 30:20:15kg/ha | Mustard | M-27 | 4.0 | 5.2 | 6.3 | 21.1 | 2 | - | 5 | 3 | 10 |
| Boudh | 2015-16 | Rabi-2015-16 | ICM | TARM-1 + NPK @ 20:40:20kg/ha & need based plant protection measures | Greengram | TARM-1 | 30.0 | 5.3 | 6.93 | 30.75 | 3 | - | 72 | - | 75 |
| Boudh | 2015-16 | Rabi-2015-16 | ICM | JAKI -9218 + NPK @ 10:25:0 kg/ha | Chickpea | JAKI-9218 | 10.0 | 9.1 | 11.4 | 25.2 | 5 | - | 25 | - | 30 |

| | | | | | | | | | | | | | | | |
|--------------|---------|--------------|-----|--|--------|------------|-----|-------|-------|------|---|---|----|---|----|
| Boudh | 2015-16 | Rabi-2015-16 | INM | Soil application of Azotobacter & PSB each @ 5 kg/ha, 75 % of RDF & foliar application of multi micronutrient @ 2 ml/lt. | Tomato | Utkal Raja | 1.0 | 283.6 | 351.3 | 23.8 | - | - | 10 | - | 10 |
| Boudh | 2015-16 | Rabi-2015-16 | INM | Application of 110:40:60:40 kg NPKS + Azospirillum & PSB each @ 5 kg/ha | Onion | N-53 | 1.0 | 196.2 | 243.9 | 24.3 | - | - | 10 | - | 10 |

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) |
| Boudh | Demonstration of improved Groundnut cultivation | Groundnut | Pods/plant(no.) | 14 | 18 | 29200 | 34100 | 79200 | 100800 | 50000 | 66700 | 2.71 | 2.95 |
| Boudh | Demonstration of improved Pigeonpea cultivation | Pigeonpea | Pods/plant(no.) | 185 | 210 | 18500 | 21100 | 46200 | 57000 | 27700 | 35900 | 2.4 | 2.7 |

| | | | | | | | | | | | | | |
|-------|---|--------------------------|-------------------------|------|-----|--------|--------|--------|--------|--------|--------|------|------|
| Boudh | Seedling root dip treatment (Carbendazim 20 gm + Streptocyclin 1 gm in 10 lit) + soil application of <i>T.viridae</i> and <i>P. fluroscence</i> each @ 5 kg/ha with FYM at 21 days of transplanting | Brinjal (Wilt) | Wilt (% age) | 28.3 | 5.4 | 127600 | 130910 | 231400 | 289800 | 103800 | 158890 | 1.81 | 2.21 |
| Boudh | FYM = 20 ton /ha, soil application of Borax @ 10 kg /ha along with RDF NPK @200:100:100 kg /ha | Watermelon | Fruit cracking(%age) | 20.7 | 6.1 | 59880 | 61080 | 108600 | 124350 | 48720 | 63270 | 1.64 | 2.03 |
| Boudh | Variety: Sahabhagi dhan ,seed @ 75 kg/ha , NPK 60:30:30 kg/ha | Paddy | Grains/panicle (no.) | 210 | 248 | 23650 | 26100 | 34200 | 40200 | 10550 | 14100 | 1.4 | 1.54 |
| Boudh | Use of pheromone trap @ 20 trap/ha and alternate spraying of BT 1 kg/ha and Cypermethrin 25 EC 500 ml/ha | Watermelon (Spodoptera) | Fruit Infestation(%age) | 24.9 | 5.8 | 59880 | 63720 | 101900 | 122150 | 42020 | 58430 | 1.7 | 1.91 |

| | | | | | | | | | | | | | |
|-------|---|-------------------|-----------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|
| Boudh | Demonstration of grow out culture of yearlings of IMC | IMC | Gain in body wt. (gm) | 570 | 690 | 83100 | 93800 | 177300 | 215100 | 94200 | 121300 | 2.1 | 2.3 |
| Boudh | Demonstration of exotic carps with IMC in poly culture | IMC, Exotic carps | % of survival | 53 | 79 | 83100 | 89700 | 165600 | 217800 | 82500 | 128100 | 1.9 | 2.4 |
| Boudh | M-27 + NPK @ 30:20:15kg/ha | Mustard | No. of siliqua/plant | 152 | 198 | 31000 | 31420 | 39000 | 47250 | 8000 | 15830 | 1.25 | 1.5 |
| Boudh | TARM-1 + NPK @ 20:40:20kg/ha & need based plant protection measures | Greengram | Pods/Plant | 17 | 22 | 27425 | 29380 | 34450 | 47110 | 9070 | 19685 | 1.35 | 1.71 |
| Boudh | JAKI -9218 + NPK @ 10:25:0 kg/ha | Chickpea | No. of pods/plant | 64 | 87 | 24650 | 26970 | 45500 | 17050 | 20850 | 30080 | 1.8 | 2.1 |
| Boudh | Soil application of Azotobacter & PSB each @ 5 kg/ha, 75 % of RDF & foliar application of multi micronutrient @2 ml/lt. | Tomato | fruits/plant (nos.) | 23.4 | 34.5 | 120600 | 122525 | 283600 | 351300 | 163000 | 22875 | 2.35 | 2.86 |

| | | | | | | | | | | | | | |
|-------|---|-------|----------------------|-----|-----|-------|--------|--------|--------|--------|--------|------|------|
| Boudh | Application of 110:40:60:40 kg NPKS + Azospirillum & PSB each @ 5 kg/ha | Onion | Bulb diameter (cms) | 5.6 | 7.4 | 96180 | 103460 | 196200 | 243900 | 100020 | 140440 | 2.03 | 2.35 |
|-------|---|-------|----------------------|-----|-----|-------|--------|--------|--------|--------|--------|------|------|

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

3.5 Economic Performance Home Science FLDs:

| KVK name | Technology to be Demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|----------|-------------------------------|-----------------------------------|----|---------------------------------|----|--------------|----|-------------------------|----|--------------------------|----|---------------------|----|---------------|----|--------------------|----|--------------|----|------------|--|--------------|----------|
| | | Output m ² /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 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

3.6 Training and Extension activities proposed under FLD

| KVK Name | Crop | Activity | No. of activities organized | Number of participants | Remarks |
|----------|------------|--------------------------------------|-----------------------------|------------------------|---------|
| Boudh | Groundnut | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Pigeon pea | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |

| | | | | | |
|-------|----------------|--------------------------------------|---|-----|---|
| Boudh | | Training for extension functionaries | | | |
| Boudh | Brinjal | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Watermelon | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Paddy | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | IPM Watermelom | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Fishery | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Mustard | Field days | 1 | 50 | |
| Boudh | | Farmers Training | | | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Green gram | Field days | 2 | 100 | |
| Boudh | | Farmers Training | | | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Chickpea | Field days | 1 | 50 | |
| Boudh | | Farmers Training | | | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Tomato | Field days | | | |
| Boudh | | Farmers Training | 1 | 25 | |
| Boudh | | Media coverage | | | |
| Boudh | | Training for extension functionaries | | | |
| Boudh | Onion | Field days | | | - |
| Boudh | | Farmers Training | 1 | 25 | - |

| | | | | | |
|-------|--|--------------------------------------|---|---|---|
| Boudh | | Media coverage | - | - | - |
| Boudh | | Training for extension functionaries | - | - | - |

3.7 Details of FLD on crop hybrids. NA

| 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 |
| Boudh | Application of bio-fertilizer, fertilizer and micronutrient resulted more no. of fruits per plant increasing yield of tomato. | Farmers discussions, experience sharing | Benefitted and appreciated | Accepted for future adoption |
| | Seedling root dip with pesticide and application of bio-pesticide incubated in FYM reduced % age of wilting and increased yield in brinjal. | Farmers discussions, experience sharing | Benefitted and appreciated | Accepted for future adoption |
| | INM in onion with basal sulphur application resulted higher bulb diameter and increased yield in onion. | Farmers discussions, experience sharing | Benefitted and appreciated | Accepted for future adoption |
| | INM in watermelon with basal boron application reduced fruit cracking and increased marketable yield. | Farmers discussions, experience sharing | Benefitted and appreciated | Accepted for future adoption |
| | Cultivation of Sahabhagi dhan in rainfed upland showed higher draught tolerance in comparison to farmer's varieties. | Farmers discussions, experience sharing | Benefitted and appreciated | Accepted for future adoption |
| | Use of pheromone trap and alternate application of Bt and cypermethrin reduced population of spodoptera and increased marketable fruit yield. | Farmers discussions, experience sharing | Benefitted and appreciated | Accepted for future adoption |

4.2. Feedback from KVK to Research System.

| Name of KVK | Feedback basic of OFT on Technology Tested |
|-------------|---|
| Boudh | Research attention needs to be drawn for soil drenching with bio-pesticides in Brinjal when wilt occurs in later stage. |
| | Cheap source of sulphur needs to be identified for application in onion. |
| | Luxuriant growth of vine of watermelon in create a hiding place for spodoptera & it is difficult to control at this stage |
| | Research attention needs to be drawn for fruit cracking in watermelon due to imbalance water management |

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 |
|-------------|--------------------------|---------------------------------------|----------------------------------|------------------------------|
| Boudh | F/FW | Group discussion, Experience Sharing | 28.5.2015, Chatniakata | 25 |
| Boudh | F/FW | Group discussion , Experience Sharing | 27.6.2015, KVK Campus | 10 |
| Boudh | F/FW | Group discussion , Experience Sharing | 28.7.2015, KVK Campus | 10 |
| Boudh | F/FW | Group discussion , Experience Sharing | 25.8.2015, KVK Campus | 10 |
| Boudh | F/FW | Group discussion , Experience Sharing | 8.10.2015, Amthapada | 25 |
| Boudh | F/FW | Group discussion , Experience Sharing | 18.11.2015, KVK Campus | 10 |
| Boudh | F/FW | Group discussion , Experience Sharing | 27.01.2016, KVK Campus | 10 |
| Boudh | RY | Group discussion , Experience Sharing | 27.10.2015, KVK Campus | 10 |
| Boudh | RY | Group discussion , Experience Sharing | 22.12.2015, KVK Campus | 10 |
| Boudh | RY | Group discussion , Experience Sharing | 24.2.2016, KVK Campus | 10 |
| Boudh | IS | Group discussion , Experience Sharing | 28.3.2016, Office of ADH, Boudh | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 11.7.2015, KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 21.9.2015, KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 26.9.2015, KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 28.10.2015 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 20.11.2015 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 27.12.2015 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 20.1.2016 , KVK Campus | 25 |
| Boudh | RY | Group discussion, Experience Sharing | 24.1.2016 , KVK Campus | 10 |
| Boudh | IS | Group discussion, Experience Sharing | 28.3.2016 , Office of ADH, Boudh | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 10.6.2015 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 18.7.2015 , KVK Campus | 10 |

| | | | | |
|-------|------|--------------------------------------|-----------------------------------|----|
| Boudh | F/FW | Group discussion, Experience Sharing | 04.10.2015 , KVK Campus | 10 |
| Boudh | RY | Group discussion, Experience Sharing | 23.9.2015 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 28.4.2015, Khuntabandh | 25 |
| Boudh | RY | Group discussion, Experience Sharing | 22.11.2015 , KVK Campus | 10 |
| Boudh | IS | Group discussion, Experience Sharing | 17.12.2015 , Office of DDA, Boudh | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 22.12.2015 , Durgaprasad | 25 |
| Boudh | RY | Group discussion, Experience Sharing | 05.1.2016 , KVK Campus | 10 |
| Boudh | RY | Group discussion, Experience Sharing | 16.1.2016 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 22.6.2015 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 28.7.2015 , KVK Campus | 10 |
| Boudh | RY | Group discussion, Experience Sharing | 24.9.2015 , KVK Campus | 10 |
| Boudh | F/FW | Group discussion, Experience Sharing | 15.10.2015 , Jampalli | 25 |
| Boudh | F/FW | Group discussion, Experience Sharing | 22.11.2015 , Baghiapada | 25 |
| Boudh | F/FW | Group discussion, Experience Sharing | 17.12.2015 , Brahmanipalli | 25 |
| Boudh | RY | Group discussion, Experience Sharing | 19.3.2016 , Durgaprasad | 10 |

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 | Category | Training Type | Thematic area | Training Title | No. of Courses | Duration (Days) | Participants | | | | | | | |
|-------------|----------|---------------|---------------|---|----------------|-----------------|--------------|----|----|----|----|----|--------|---|
| | | | | | | | General | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| Boudh | F/FW | ONC | CRP | Efficient fertilizer management in kharif paddy | 1 | 2 | 1 | 0 | 12 | 0 | 2 | 7 | 1 | 2 |
| Boudh | F/FW | ONC | CRP | Effective herbicide application in kharif groundnut | 1 | 2 | 0 | 0 | 6 | 4 | 0 | 1 | 9 | 3 |
| Boudh | F/FW | OFC | CRP | INM in pulse crop | 1 | 1 | 0 | 0 | 17 | 8 | 0 | 0 | 0 | 0 |
| Boudh | RY | ONC | CRP | Modules for paddy based farming system | 1 | 2 | 0 | 0 | 10 | 0 | 0 | 0 | 5 | 0 |
| Boudh | RY | OFC | CRP | Conservation technology in sustainable farming | 1 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 9 | 3 |
| Boudh | F/FW | OFC | CRP | Development of Integrated farming system for small & marginal farmers | 1 | 1 | 0 | 0 | 8 | 0 | 0 | 2 | 15 | 0 |
| Boudh | F/FW | OFC | CRP | Vermicompost making & its application | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 17 | 5 |
| Boudh | RY | ONC | CRP | Modules for paddy based farming system | 1 | 2 | 1 | 0 | 11 | 0 | 0 | 0 | 3 | 0 |
| Boudh | F/FW | OFC | CBD | Popularization low cost farm machinery & implements | 1 | 1 | 0 | 0 | 11 | 0 | 11 | 0 | 3 | 0 |
| Boudh | F/FW | OFC | CBD | Formation & management of farmers interest groups | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| Boudh | RY | ONC | CBD | Empowerment of rural youth through hi-tech farming | 1 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 21 | 0 |
| Boudh | RY | ONC | CBD | Entrepreneurship development among rural youth | 1 | 2 | 0 | 0 | 4 | 2 | 7 | 0 | 2 | 0 |
| Boudh | IS | ONC | CBD | Motivational techniques & adoption process in farming situation | 1 | 2 | 4 | 0 | 3 | 0 | 1 | 0 | 5 | 2 |
| Boudh | F/FW | OFC | HOV | ICM in Brinjal | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 24 | 0 |
| Boudh | F/FW | OFC | HOV | Cultivation of tomato in Kharif season | 1 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 22 | 0 |

| Name of KVK | Category | Training Type | Thematic area | Training Title | No. of Courses | Duration (Days) | Participants | | | | | | | |
|-------------|----------|---------------|---------------|---|----------------|-----------------|--------------|----|----|----|----|----|--------|---|
| | | | | | | | General | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| Boudh | F/FW | OFC | HOV | Cultivation of cauliflower in early season | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 23 | 0 |
| Boudh | F/FW | OFC | HOV | Agro techniques of cultivation of Kharif onion | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| Boudh | F/FW | OFC | HOV | Quality planting material production in vegetable | 1 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 21 | 0 |
| Boudh | F/FW | OFC | HOV | Nutritional disorder in vegetable crops | 1 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 21 | 0 |
| Boudh | F/FW | OFC | HOV | Package of practices for watermelon cultivation | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| Boudh | RY | ONC | HOV | Off season vegetable cultivation | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| Boudh | RY | ONC | HOV | Quality planting material production in vegetable | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| Boudh | IS | ONC | HOV | Prospect of Kharif onion in Boudh district | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 11 | 1 |
| Boudh | F/FW | OFC | FIS | Culture of exotic carp with IMC | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 23 | 0 |
| Boudh | F/FW | OFC | FIS | Liming, manuring and fertilization in Pisciculture tanks | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| Boudh | F/FW | OFC | FIS | Culture of pangassius in polyculture system | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| Boudh | RY | ONC | FIS | Integrated fish farming | 1 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 13 | 0 |
| Boudh | F/FW | OFC | PLP | IPM in paddy | 1 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 21 | 0 |
| Boudh | F/FW | OFC | PLP | IDM in kharif vegetables | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| Boudh | F/FW | OFC | PLP | IPM in kharif vegetables | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| Boudh | F/FW | OFC | PLP | IDM in solanaceous vegetables | 1 | 2 | 1 | 0 | 5 | 0 | 2 | 0 | 17 | 0 |
| Boudh | F/FW | OFC | PLP | IPM in cole crops | 1 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 22 | 0 |
| Boudh | F/FW | OFC | PLP | Pest & disease management in onion | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 24 | 0 |
| Boudh | F/FW | OFC | PLP | Pest & disease management in watermelon | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 24 | 0 |
| Boudh | RY | ONC | PLP | Repairing & maintenance of sprayers preparation of spray solution | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| Boudh | IS | ONC | PLP | Bio intensive insect pest & diseases management | 1 | 1 | 5 | 1 | 3 | 0 | 0 | 0 | 6 | 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 |
| Boudh | Entrepreneurship development through mushroom | Mushroom production & spawn making | Small scale income generation | 5 | | | 3 | - | 2 | - | 10 | - |
| Boudh | Planting material production in fruit crops | Planting material production | Planting material production | 4 | | | 2 | - | 1 | - | 12 | - |

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 elsewhere |
|-------------|----------------|------------------------------|-----------------|----------------------------|--------------------------------------|
| | | 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) | Duration (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) | Duration (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 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income |
|-------------|---|-----------------|-----------------------------|-------|-----------------------------|-------|-----------------------|-------|---|
| | | | Before | After | Before | After | Before | After | |
| Boudh | ICM in Brinjal | 25 | 30 | 50 | - | - | - | - | 1. 2.5 ha 2. Out of 25 trainees, 10 farmer adopted. 3. (i) Knowledge : 66.6% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Cultivation of tomato in Kharif season | 25 | 20 | 35 | - | - | - | - | 1. 1 ha 2. Out of 25 trainees, 4 farmer adopted. 3. (i) Knowledge : 75.00% (ii) Production: 0.0 % (iii) Income: 0.0 |
| Boudh | Cultivation of cauliflower in early season | 25 | 10 | 25 | - | - | - | - | 1. 1ha 2. Out of 25 trainees, 6 farmer adopted. 3. (i) Knowledge : 66.6% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Agro techniques of cultivation of Kharif onion | 25 | 15 | 35 | - | - | - | - | 1. 1 ha 2. Out of 25 trainees, 8 farmer adopted. 3. (i) Knowledge : 75.00% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Quality planting material production in vegetable | 25 | 15 | 25 | - | - | - | - | 1. ha 2. Out of 25 trainees, 5 farmer adopted. 3. (i) Knowledge : 66.6% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Nutritional disorder in vegetable crops | 25 | 20 | 35 | - | - | - | - | 1. 2 ha 2. Out of 25 trainees, 8 farmer adopted. 3. (i) Knowledge : 75.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Package of practices for watermelon cultivation | 25 | 20 | 45 | - | - | - | - | 1. 5 ha 2. Out of 25 trainees, 10 farmer adopted. 3. (i) Knowledge : 80.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Off season vegetable cultivation | 15 | 20 | 30 | - | - | - | - | 1. 1 ha 2. Out of 15 trainees, 4 farmer adopted. 3. (i) Knowledge : 50.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |

| | | | | | | | | | |
|-------|---|----|----|----|---|---|---|---|---|
| Boudh | Quality planting material production in vegetable | 15 | 10 | 25 | - | - | - | - | 1. 1 ha 2. Out of 15 trainees, 4 farmer adopted. 3. (i) Knowledge :66.6% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Prospect of Kharif onion in Boudh district | 15 | 40 | 70 | - | - | - | - | 1. 2.5 ha 2. Out of 15 trainees, 15 farmer adopted. 3. (i) Knowledge : 75.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | IPM in paddy | 25 | 25 | 40 | - | - | - | - | 1. 14 ha 2. Out of 25 trainees, 14 farmer adopted. 3. (i) Knowledge : 60.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | IDM in kharif vegetables | 25 | 20 | 35 | - | - | - | - | 1. 3ha 2. Out of 25 trainees, 6 farmer adopted. 3. (i) Knowledge : 75.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | IPM in kharif vegetables | 25 | 25 | 40 | - | - | - | - | 1. 2. ha 2. Out of 25 trainees, 8 farmer adopted. 3. (i) Knowledge : 60.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | IDM in solanaceous vegetables | 25 | 30 | 50 | - | - | - | - | 1. 3 ha 2. Out of 25 trainees, 8 farmer adopted. 3. (i) Knowledge : 66.6% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | IPM in cole crops | 25 | 35 | 55 | - | - | - | - | 1. 4 ha 2. Out of 25 trainees, 8 farmer adopted. 3. (i) Knowledge : 57.7% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Pest & disease management in onion | 25 | 30 | 45 | - | - | - | - | 1. 3 ha 2. Out of 25 trainees, 12 farmer adopted. 3. (i) Knowledge : 50.0% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Pest & disease management in watermelon | 25 | 40 | 65 | - | - | - | - | 1. 6 ha 2. Out of 25 trainees, 8 farmer adopted. 3. (i) Knowledge : 62.5% (ii) Production: 0.0 % (iii) Income: 0.0 % |

| | | | | | | | | | |
|-------|--|----|----|----|---|---|---|---|---|
| Boudh | Repairing & maintenance of sprayers preparation of spray solution | 15 | 15 | 25 | - | - | - | - | 1. ha 2. Out of 15 trainees, 4 farmer adopted. 3. (i) Knowledge : 66.6% (ii) Production: 0.0 % (iii) Income: 0.0 % |
| Boudh | Bio intensive insect pest & diseases management | 15 | 45 | 80 | - | - | - | - | 1. ha 2. Out of 15 trainees, 15 farmer adopted. 3. (i) Knowledge : 77.6% (ii) Production: 0.0 % (iii) Income: 0.0 % |

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 | | | |
| Boudh | Field Day | 14 | 4 | 166 | - | 34 | 9 | 2 | Transfer of technology | Deworming of kids, Mushroom, Herbicide application, kharif onion etc. | Harvesting | |
| Boudh | Kisan Mela | 2 | 3 | 410 | 50 | 90 | - | 32 | 7 | Transfer of technology | Bee keeping | |
| Boudh | Kisan Ghosthi | 2 | | | | | | | | | | |
| Boudh | Exhibition | 2 | 5 | 75000 | 5000 | 20000 | 2950 | 43 | 8 | Transfer of technology | Value addition, Hitech horticulture | |
| Boudh | Film Show | 35 | 27 | 515 | - | 150 | - | 18 | - | Transfer of technology | - | |
| Boudh | Method Demonstrations | 10 | | | | | | | | | | |
| Boudh | Farmers Seminar | 2 | | | | | | | | | | |
| Boudh | Workshop | 2 | | | | | | | | | | |
| Boudh | Group meetings | 40 | 130 | 330 | - | 60 | - | - | - | Need assessment of training | - | |
| Boudh | Lectures delivered as resource persons | 10 | 12 | 415 | - | 65 | - | - | - | | | |
| Boudh | Newspaper coverage | 6 | 4 | | | | | | | Mass diffusion of technology | | |

| 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 | | | |
| Boudh | Radio talks | 4 | 1 | | | | | | | | | |
| Boudh | TV talks | 1 | | | | | | | | | | |
| Boudh | Popular Articles | 12 | | | | | | | | | | |
| Boudh | Extension Literature | 6 | 6 | 2600 | - | 900 | - | - | | | | |
| Boudh | Farm Advisory Services | 12 | | | | | | | | | | |
| Boudh | Scientific visit to farmers field | 180 | 157 | 280 | - | 90 | - | - | - | Transfer of technology | | Showing, flowing, fruiting, harvesting stage |
| Boudh | Farmers Visit to KVK | 350 | 368 | 295 | - | 73 | - | - | - | Control measure for disease pest incidence | | |
| Boudh | Diagnostic Visits | 15 | 13 | 23 | - | 9 | - | - | - | Pest disease incidence | | |
| Boudh | Exposure Visits | 2 | 2 | 8 | - | - | - | - | - | To expose with recent advancement in Agril. technology | | |
| Boudh | Ex-trainees Sammelan | 4 | | | | | | | | | | |
| Boudh | Soil Health Camp | 2 | | | | | | | | | | |
| Boudh | Animal Health Camp | - | | | | | | | | | | Deworming of kids |
| Boudh | Agri Mobile Clinic | - | | | | | | | | | | |
| Boudh | Soil Test Campaigns | 2 | 1 | 170 | - | 30 | - | 12 | 3 | Celebration of international soil day | | |
| Boudh | Farm Science Club conveners meet | 4 | | | | | | | | | | |
| Boudh | Self Help Group conveners meetings | 4 | | | | | | | | | | |
| Boudh | Special day celebration | 3 | 5 | 820 | - | 130 | - | 19 | 6 | Creation of awareness | Akshya trutiya, women in agriculture day | |

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

7.1 KVK Newsletters

| KVK Name | Date of start | Periodicity | Number of copies to be printed | Number of copies to be distributed |
|----------|---------------|-------------|--------------------------------|------------------------------------|
| Boudh | April, 2015 | Quarterly | 500 | 500 |
| Boudh | July, 2015 | Quarterly | 500 | 500 |
| Boudh | Oct, 2015 | Quarterly | 500 | 500 |
| Boudh | Jan, 2016 | Quarterly | 500 | 500 |

7.2 Literature developed/published

| KVK Name | Type | Title | Author's name | Number of copies |
|----------|---------|--|---------------------------------|------------------|
| Boudh | Booklet | SRI method of paddy cultivation | S. Lenka & A.B. Das | 500 |
| | | Commercial papaya cultivation | B.Giri & H.Sethy | 500 |
| | | IPM in pulse crop | A.B. Das, B.Giri & J.R. Mallick | 500 |
| | | Common flower crop in garden | A.B. Das, B.Giri & J.R. Mallick | 500 |
| | | Agro techniques of green gram ,black gram & Bengal gram cultivation | S. Lenka & A.B. Das | 500 |
| | | Booklet on crop insurance(PMFBY), Information on KVK & organic farming | S. Lenka ,A.B. Das & B. Giri | 1000 |

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.) |
|----------|---------------------|------------|------------|----------------|-------------|----------------------------|------------------------------|
| Boudh | Pulses | Green gram | TARM-1 | 0.5 | 3050 | 10 | 2.0 |
| Boudh | Green manuring crop | Dhanicha | Local | 0.2 | 1250 | Stock in hand | 2.0 |
| Boudh | Pulses | Pigeon pea | VL-Arhar-1 | Damaged | - | - | - |

8.2 Planting Material production

| KVK Name | Major group/class | Crop | Variety | Nos. | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|----------|---------------------|-------------------|--|--------|-------------|----------------------------|------------------------------|
| Boudh | Vegetable seedlings | Brinjal | JK-8031 | 2200 | 2200 | 10 | |
| Boudh | Vegetable seedlings | Tomato | Swarna Sampd JK-Desi | 23000 | 22200 | 20 | |
| Boudh | Vegetable seedlings | Cole crops | Harekrishna Megha | 1800 | 1800 | 8 | |
| Boudh | Vegetable seedlings | Chili | Agnirekha | 600 | 600 | 4 | |
| Boudh | Vegetable seedlings | onion | Agrifound Dark Red BhimaSuper Agrifound LightRed | 695000 | 34750 | 30 | |
| Boudh | Fruit seedlings | Papaya | Red Lady | 106 | 1272 | 21 | |
| Boudh | Fruit seedlings | Mango | Amarpalli | 40 | 1000 | 8 | |
| Boudh | Vegetable seedlings | Drum stick | PKM-1 | 100 | 500 | 20 | |
| Boudh | corm | Colocassia | Muktakeshi | 0.5 qt | 1250 | - | |
| Boudh | corm | Elephant foot yam | Gajendra | 0.4 qt | 1000 | - | |

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.) |
|----------|--|---------------------|-------------|-------------|-------------|----------------------------|------------------------------|
| Boudh | Bio Agents | - | - | - | - | - | |
| Boudh | Bio Agents | | | | | | |
| Boudh | Bio Fertilizer | | | | | | |
| Boudh | Bio Fertilizer | | | | | | |

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 |
|----------|--------------------------------------|----------------------|-------------------|----------------------|-------------|----------------------|
| Boudh | Poultry | Rain Booster | 21 day old chicks | 290 nos | 17400 | 28 |
| Boudh | Mushroom | Paddy straw mushroom | mushroom | 8 kg | 800 | 16 |

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) |
|----------|--------------------------------|-----------------------|-----------------|----------------|----------------|-----------------|-----------------|--|
| Boudh | Mridiparikshaka | 2015 | Mridiparikshaka | 42 | 210 | 14 | | 210 |

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

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

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) |
|----------|--------|---------|---|----------------------|------------------------|----------------------------|--------------------------------|
| Boudh | June | 2015-16 | Cultivation of tomato in Kharif season | 2 | 25 | 2 | - |
| Boudh | July | 2015-16 | Cultivation of cauliflower in early season | 2 | 25 | 2 | |
| Boudh | Aug | 2015-16 | Agro techniques of cultivation of Kharif onion | 2 | 25 | 2 | |
| Boudh | Nov | 2015-16 | Nutritional disorder in vegetable crops | 2 | 25 | 2 | |
| Boudh | Jan | 2015-16 | Package of practices for watermelon cultivation | 2 | 25 | 2 | |
| Boudh | Oct | 2015-16 | Off season vegetable cultivation | 2 | 15 | 2 | |
| Boudh | Dec | 2015-16 | Quality planting material production in vegetable | 2 | 15 | 2 | |
| Boudh | Feb | 2015-16 | Planting material production in fruit crops | 4 | 15 | 4 | |





















| | | | | | | | |
|-------|------|---------|---|---|----|---|--|
| Boudh | June | 2015-16 | Culture of exotic carp with IMC | 2 | 25 | 2 | |
| Boudh | July | 2015-16 | Liming, manuring and fertilization in Pisciculture tanks | 2 | 25 | 2 | |
| Boudh | Oct | 2015-16 | Culture of pangassius in polyculture system | 2 | 25 | 2 | |
| Boudh | Sep | 2015-16 | Integrated fish farming | 2 | 15 | 2 | |
| Boudh | July | 2015-16 | IPM in paddy | 2 | 25 | 2 | |
| Boudh | Sept | 2015-16 | IDM in kharif vegetables | 2 | 25 | 2 | |
| Boudh | Sept | 2015-16 | IPM in kharif vegetables | 2 | 25 | 2 | |
| Boudh | Oct | 2015-16 | IDM in solanaceous vegetables | 2 | 25 | 2 | |
| Boudh | Nov | 2015-16 | IPM in cole crops | 2 | 25 | 2 | |
| Boudh | Dec | 2015-16 | Pest & disease management in onion | 2 | 25 | 2 | |
| Boudh | Jan | 2015-16 | Pest & disease management in watermelon | 2 | 25 | 2 | |
| Boudh | Jan | 2015-16 | Repairing & maintenance of sprayers preparation of spray solution | 2 | 15 | 2 | |
| Boudh | June | 2015-16 | Efficient fertilizer management in kharif paddy | 2 | 25 | 2 | |
| Boudh | July | 2015-16 | Effective herbicide application in kharif groundnut | 2 | 25 | 2 | |
| Boudh | Mar | 2015-16 | Modules for paddy based farming system | 2 | 15 | 2 | |
| Boudh | Sept | 2015-16 | Conservation technology in sustainable farming | 2 | 15 | 2 | |
| Boudh | Nov | 2015-16 | Empowerment of rural youth through hi-tech farming | 2 | 25 | 2 | |
| Boudh | Jan | 2015-16 | Entrepreneurship development among rural youth | 2 | 15 | 2 | |
| Boudh | Jan | 2015-16 | Entrepreneurship development through mushroom | 5 | 10 | 5 | |

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 |
|----------|----------------------|-------------------|--------------------------|------------------------|-------------------------------------|
| Boudh | 2011-12 | 2012 | 6 | Nil | - |

13. Details of SAC Meeting

| KVK Name | Date of SAC meeting | No. of SAC members attended | Major recommendations |
|----------|---------------------|-----------------------------|---|
| Boudh | 4.08.15 | 22 | <ul style="list-style-type: none"> ✓ Application of biofertilizer in farmers field ✓ Provision of soil testing kit at KVK level. ✓ Assessment of different variety of pulse crop by KVK. ✓ Popularization of oilseed cultivation in Boudh District. ✓ Assessment of suitable onion varieties for Boudh district. ✓ Popularization and mushroom production by SHG group. |

| | | | |
|-------|------------|----|---|
| | | | <ul style="list-style-type: none"> ✓ Assessment of suitable potato varieties for Boudh district ✓ Round the year marigold cultivation for better income. ✓ Crop diversification in upland ✓ Demonstration on groundnut cultivation in Kharif. |
| Boudh | 21.12.2015 | 30 | <ul style="list-style-type: none">  Diversification of crop in Rainfed upland  Popularization of use of bio fertilizer by farmer  Motivation of farmer for cultivation of non-paddy crops  Popularization of white sesamum in farmers field  Assessment of recently released variety of onion  Training to farmers on oil palm cultivation  Training on rejuvenation of old orchard  Popularization INM and IPM technology in Banana  Involvement of Line Dept. personnel in FLD and OFT programme  Evaluation of short duration pigeon pea variety for upland  Popularization of Bengalgram cultivation  Training on scientific rearing of goat and cows  Vaccination and supply of Banaraja chicks to farmers  Seasonally conducted animal health camp for animals  KVK extended its technical support to NGOs  Production and popularization the use of vermicompost  Popularization of zero seed drill in sowing greengram  Soil test based nutrients application to be popularized during FLD  Rural Youth Training duration should be increased to 4 days  More on campus training should be organized by KVK |

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. | | |
| Boudh | 29 | 28883 | 100 | Farmers Portal | ICM, IPM, IDM, value addition, Farm forestry, farm mechanization, availability of seedling & sapling, drudgery reduction, improving knowledge & skill of farm women, secondary agriculture |

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 |
|----------|----------------|--------------------------------|----------------------|----------------------|------------------|---------|
| Boudh | - | - | - | | - | - |

16. Status of Revolving Funds (Rs.)

| KVK Name | Account No. | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|----------|-------------|-----------------------|-----------------------|----------------------|
| Boudh | 30586643554 | 106024 | 230472 | 124448 |

17. Awards & Recognitions

| KVK Name | Name of award /awardee | Type of award (Ind./Group/Inst./Farmer) | Awarding Organizations | Amount received |
|----------|--|---|-------------------------------|-----------------|
| Boudh | KVK Boudh, 2 nd Prize Boudh Krushi Mohatsav | Inst. | ATMA, Agriculture Dept. Boudh | - |
| | Bighnaraj Naik | Farmer | OUAT | - |

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park

| Name of KVK | Name of Component of Park | Detail Information (If established) |
|-------------|---------------------------|--|
| Boudh | Crop Cafeteria | Demonstration of technology in different theme |
| Boudh | Technology Desk | Yet to be established |
| Boudh | Visitors Gallery | Yet to be established |
| Boudh | Technology Exhibition | Display of different implements, Extension literature, Flex banner |
| Boudh | Technology Gate-Valve | Yet to be established |

c). Crop Cafeteria-

| Sr. No. | Theme of Crop Cafeteria | No. of Crop Cafeteria |
|---------|-------------------------|-----------------------|
| 1 | Weed management | 01 |
| 2 | Cropping system | 01 |
| 3 | Varietal evaluation | 02 |
| 4 | Tuber crops | 01 |
| 5 | ICM | 03 |

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 | Boudh | Manoj Kumar Pradhan | Transplanting techniques in watermelon | At/Po-Badhigaon, Block-Boudh Dist-Boudh (Mobile- 9937110582) |
| 2 | Boudh | Umesh Ch. bhoi | Planting of onion setts | At/Po-Menda, Block-Harbhangha Dist-Boudh (Mobile- 8658107440) |
| 3 | Boudh | Gadhadhar Mahakul | Pruning method in pointed gourd | At/Po-Polam, Block-Boudh Dist-Boudh (Mobile- 8658408109) |
| 4 | Boudh | Rabindra Kalta | Planting method in Banana | At/Po-Polam, Block-Boudh Dist-Boudh (Mobile- 7894264581) |
| 5 | Boudh | Jharia Sahoo | Off season tomato cultivation | At/ - Kanakpur, Po/- Salunki, Dist-Boudh (Mobile- 9777633429) |
| 6 | Boudh | Sangram Pradhan | Intercropping in mango orchard | At /Po- Balanda,Purunakatak Dist-Boudh (Mobile- 9437060835) |
| 7 | Boudh | Sushil karna | Fish breeding and rearing | At/po- Balakira, Block- boudh (Mobile- 9937796055) |
| 8 | Boudh | Pratima Mahapatra | Value addition Amla (Amla churna) | At/ Po: Durgaprasad , Block- boudh (Mobile- 8456021765) |
| 9 | Boudh | Dwaru Matia | Off season tomato cultivation | At/ - Kanakpur, Po/- Salunki, Dist-Boudh (Mobile- 9178273101) |
| 10 | Boudh | Upendra Bhanja | Forcing Mango to flower in off year | At:/Po - Girasinga Dist-Boudh (Mobile- 9938566044) |

20. KVK interaction with progressive farmers

| Sr. No. | Date and month of interaction programme with progressive farmers | No. of progressive farmers to be participated |
|---------|--|---|
| - | - | - |

21. Outreach of KVK

| Name of KVK | Number of Blocks | | Number of Villages | |
|-------------|------------------|-----------|--------------------|-----------|
| | Intensive | Extensive | Intensive | Extensive |
| Boudh | 3 | 3 | 29 | 226 |

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

23. KVK Ring

| Sr. No. | Name of Ring Partner | Sharing Activity | Lessons learnt/ Experiences gained. |
|---------|----------------------|---|-------------------------------------|
| 1 | KVK Sonepur | Soil testing, Planting Material, Technical suggestion | - |
| 2 | KVK Anugul | Man power, Technical Support, Planting Material Technical suggestion | - |

24. Important visitors to KVK

| Name of KVK | Name of Visitor | Date of Visit | ICAR | SAUs | Others | Remarks |
|-------------|---|---------------|------|------|--------|---------|
| Boudh | Dr. S. C. Sahoo JDE ,OUAT ,BBSR | 4.08.15 | | SAUs | | |
| Boudh | Dr. H.K.Sahoo DDE ,OUAT ,BBSR | 21.12.2015 | | SAUs | Others | |
| Boudh | Sj Madhusudan Mishra Collector & DM, Boudh | 4.08.15 | | | Others | |
| Boudh | Sj Madhusudan Mishra Collector & DM, Boudh | 21.12.2015 | | | Others | |

| | | | | | | |
|-------|--|---------|--|--|--------|--|
| Boudh | Sj Pradeep Kumar Amata Hon'ble Minister of Finance & Public Enterprises | 5.12.15 | | | Others | |
| Boudh | Sj Pradeep Kumar Amata Hon'ble Minister of Finance & Public Enterprises | 7.4.16 | | | Others | |

25. Status of KVK Website:

| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
|---------|-------------|--------------------------|--------------------------------|-----------------|
| 1 | Boudh | August, 2011 | 2 | |

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 | | | |
| | | | | | | | |

27. Status of RTI

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

28. Status of Citizen Charter

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

29. Attended HRD Programmes organized by ZPD

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|-------------|---------------|--------------------|--------------------------|--|
| Boudh | A.B.Das | SMS (Agril. Extn.) | 1 | Finalization of Action Plan in Agril. Extn. discipline |
| Boudh | U.Dharua | PA(Fishery) | 1 | Finalization of Action Plan in Fishery discipline |
| | | | | |

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

30. Attended HRD Programmes organized by DES

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|-------------|---------------|-----------|--------------------------|---------|
| Boudh | N.Das | PC | 1 | - |
| Boudh | S.Lenka | PC | 1 | |

| Name of KVK | Total Number of staff Attended HRD Programmes organized by DES (nos) | Total Number of Programmes attended (Nos) |
|-------------|--|---|
| Boudh | 2 | 2 |

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

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

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

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

| Sl. No. | Name of KVK | Crops/cultivars | Area (ha) | Number of beneficiaries |
|---------|-------------|-------------------------|-----------|-------------------------|
| 1 | Boudh | Arhar (Asha) | 12 | 14 |
| 2 | Boudh | Groundnut (Devi) | 5.0 | 12 |
| 3 | Boudh | Green gram(TARM-1) | 30 | 75 |
| 4 | Boudh | Bengal gram(JAKI 9218) | 10 | 30 |
| 5 | Boudh | Mustard (M-27) | 4 | 10 |

Major area coverage under alternate crops/varieties

| Sl. No. | Name of KVK | Crops | Area (ha) | Number of beneficiaries |
|---------|-------------|-----------------|-----------|-------------------------|
| 1 | Boudh | Oilseeds | 9 | 22 |
| 2 | Boudh | Pulses | 45 | 119 |
| 3 | Boudh | Cereals | - | - |
| 4 | Boudh | Vegetable crops | 2 | 20 |
| 5 | Boudh | Tuber crops | | |
| 6 | Boudh | Fruits | | |
| 7 | Boudh | Spices | | |
| 8 | Boudh | Cotton | | |
| | | Total | 56 | 161 |

Farmers-scientists interaction on livestock management

| Sl. No. | Name of KVK | Livestock components | Number of interactions | No. of participants |
|---------|-------------|----------------------------|------------------------|---------------------|
| 1 | Boudh | Dairy Management | - | - |
| 2 | Boudh | Disease management | - | - |
| 3 | Boudh | Feed and fodder technology | - | - |
| 4 | Boudh | Poultry management | - | - |

Animal health camps to be organized

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

Seed distribution in drought hit states

| Name of KVK | Crops | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|-------------|------------|----------------|-----------------------|-------------------|
| Boudh | Pigeon pea | 3.0 | 12 | 10 |
| Boudh | Ground nut | 2.4 | 2.5 | 10 |
| Boudh | Paddy | 1.2 | 1.5 | 17 |
| Boudh | Mustard | 0.4 | 4.0 | 10 |
| Boudh | Chickpea | 4.8 | 12 | 30 |
| Boudh | Greengram | 7.5 | 30 | 75 |

Seedlings and Saplings to be distributed

| Name of KVK | Crops | Quantity (Nos) | Coverage of area (ha) | Number of farmers |
|------------------|------------|----------------|-----------------------|-------------------|
| Seedlings | | | | |
| Boudh | Brinjal | 1000 | 1 | 20 |
| Boudh | Tomato | 15000 | 5 | 25 |
| Boudh | Cole crops | - | - | - |
| Boudh | Onion | 60000 | 10 | 35 |
| Boudh | Papaya | 500 | 1 | 10 |
| Boudh | Drum stick | 400 | 2 | 8 |
| | | | | |

Bio-control Agents

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

Bio-Fertilizer

| Name of KVK | Bio-Fertilizer | Quantity (kg) | Coverage of Area (ha) | No. of farmers |
|-------------|-------------------|---------------|-----------------------|----------------|
| Boudh | PSB ,Azotobactor | 10.0 | 1.0 | 10 |
| Boudh | PSB ,Azospirillum | 5.0 | 1.0 | 10 |

Vermis Produced

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

Large scale adoption of resource conservation technologies

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

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 |
| Boudh | 02 | 50 | - | - | 2 | 50 | 01 | 200 | - | - | 5 | 125 |

35. Proposal of NICRA:- NA**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

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

Commercial Vegetable Cultivation - Production to Opulence

Farmer's Firsthand Information

Name: Sh Rabindra Kalta

Age: 33 years

Educational Qualification: Matriculate

At- Polam G.P-Khuntabandha

Dist-Boudh, PIN-762014

Mobile No: 09778817155



Sh. Rabindra Kalta, 33 years unemployed young farmer is the native of Polam village which is 35kms away from KVK, Boudh. He is a small farmer belongs to BPL category having 3 acres of upland. He is the only bread earner of the family having 8 family members including two sons, father and one married brother. He takes every opportunity to learn from KVK scientists to gain knowledge on **vegetable cultivation**. He is an innovative and dynamic farmer of the village. Agriculture is the mainstay of Polam village economy as well as the source of food, income and livelihood for the majority offarm families. The economy is mainly dominated by agriculture and most of the farmers are small and marginal in nature having small size of land holding.

Outline

After came in contact with KVK multifarious activities, he was inspired for commercial vegetable cultivation in his farm land. He was included as beneficiary of FLD/OFT programme of KVK for early cauliflower cultivation, wilt management in Brinjal and varietal evaluation of Potato. He was supported by some critical inputs from KVK for vegetable cultivation. Regular diagnostic field visit by KVK scientists makes him more enthusiastic and agro-advisory services help him to boost his vegetable production. He was also provided some extension literature on cultivation of different vegetables.

Success Point

Now, he is cultivating early cauliflower in 0.2 ha area and Brinjal 0.25 ha area in Kharif season along with paddy. Similarly in Rabi, ha has taken cabbage in 0.2 ha area, watermelon in 0.5 ha area, 0.2 ha pointed guard and 0.1 ha potato. He is able to get higher return from commercial vegetable cultivation as below.



| Sl. No | Crop | Area (ha) | Production (qt) | Income (Rs.) | Expenditure (Rs.) | Profit (Rs.) | BC ratio |
|--------|---------------|-----------|-----------------|--------------|-------------------|--------------|----------|
| 1 | Cauliflower | 0.2 | 17 | 42,500 | 10080 | 32,420 | 4.2 |
| 2 | Brinjal | 0.25 | 67.5 | 67,500 | 22347 | 45,153 | 3.02 |
| 3 | Cabbage | 0.2 | 48 | 48,000 | 12754 | 35,246 | 3.7 |
| 4 | Watermelon | 0.5 | 127.5 | 63,750 | 25675 | 38,075 | 2.4 |
| 5 | Pointed gourd | 0.2 | 85 qt | 140000 | 40000 | 1,00,000 | 3.5 |

Sri Rabindra Kalta has become a leading progressive vegetable grower in his village. Now, he is able to manage his livelihood requirement and family needs by commercial cultivation vegetables. After getting good yield from vegetables, Rabindra's socio-economic condition has improved considerably. After made all expenses like inputs, fertilizers, irrigation etc he got a profit of 2.5 lakh annually. He set himself as an example and role model for other farmers in his village as well in the vicinity.

Spread of Technology

Farmers of Polam village has started marketable vegetable cultivation in 12 ha areas which is the eye opener for other villagers. He has motivated more than 75 farmers for vegetable cultivation in 7 different villages. Farmers of adjacent village like Girasinga and Khuntbandha started both on and off season vegetable cultivation.

Rabindra engaged himself and other 5 family members for round the year in his farm. All family members support him during vegetable cultivation. A feeling of self-reliance, self-sufficiency and urge for surging forward to emulate his socio-economic status has been improved in the

village. KVK played a crucial dominant role during the awful situation of Rabindra in his village. Besides tangible benefits, he could able to manage his farm resources judiciously followed by restoration of soil health, increase crop yields and minimize crop loses in his farm.



Learning points

- Self-confidence to earn more income
- Belief and faith on new technologies of KVK
- Personal interest and commitment come bring distinctive change
- Farm income can be substantially increased by adoption of KVK proven technologies
- Sustainability of livelihood component is quite possible with technical knowhow and personal interest
- Connection with KVK, Horticulture, Watershed and Agriculture Department help him for all round development

The smile shines on the tanned face of the Rabinda. The family are now preparing to harvest a bumper crop of potato and cabbage. Rabindra says proudly, a year back I was hired labour for others but today I am hiring others to work in my field. At last Rabindra conveyed his heartfelt thanks to KVK for noble initiative and everlasting guidance makes him a commercial vegetable grower from scarce to opulence.

Name of the Enterprise: Off Season Vegetable Cultivation

Sri Kshetrabasi Naik

Age: 32 Years

Educational Qualification : +2 (Arts)

Village-Rampur, G.P:- Telibandha, Dist-Boudh

Mob: 09668209671

2. Background:

Sri Kshetrabasi Naik is an innovative farmer of village Rampur of Boudh district. He has 1.5 ha of land. Out of which 0.6 ha is upland. He used to cultivate paddy in Kharif season & green gram in Rabi season from which he was getting low return. He was in search some better crop for earning more profit than paddy.

Interventions:

He was motivated by KVK for off season vegetable cultivation. He was included as beneficiaries in FLD/OFT programme on cultivation of early cauliflower. He was also supplied with extension literature on off season vegetable cultivation. Beside regular field visit was made to his field for advisory services.

Success Point:

He cultivates early cauliflower in 0.25 ha area & Brinjal in 0.25 ha in Kharif season, Onion in 0.3 ha in late Kharif season & Tomato in 0.2 ha in spring summer. He is able to fetch higher market price from early cauliflower crop. The detail of economics of cultivation is given below.

| Sl.No | Crop | Area | Production | Income (Rs) | Expenditure (Rs) | Profit (Rs) | BC ratio |
|-------|-------------|------|------------|-------------|------------------|-------------|----------|
| 1. | Brinjal | 0.25 | 66 | 66,000 | 21,900 | 44,100 | 3.0 |
| 2. | Cauliflower | 0.25 | 19 | 47,500 | 12,450 | 35,100 | 3.8 |
| 3. | Tamato | 0.2 | 48.7 | 48,760 | 16,080 | 32,680 | 3.0 |
| 4. | Onion | 0.3 | 71.5 | 1,07,400 | 29,100 | 78,266 | 3.6 |

The socioeconomic condition of Sri Kshetrabasi Naik has been improved. He has become an ideal farmer in his locality. Farmer of his village & neighboring village are seeking suggestion from him for off season cultivation.

Spread Effect:

With the success of Sri K.Naik farmers of his village have shown are showing interest for off season cultivation. Now farmers are cultivating early cauliflower in 3 ha area in that village. Besides farmers have started growing off season vegetable like Kharif Onion, Kharif Tamato in that village.



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)

Good quality photographs

1. OFT



Assessment of onion var. Bhima Super in Kharif season



Assessment of tomato hybrid Swarna Sampad



Assessment of transplanting techniques in watermelon

2. FLD



Demonstration on INM practices in watermelon



Demonstration on INM practices in onion



Demonstration on IDM modules in brinjal

3. Training



Farmer's training on Cultivation of cauliflower in early season



Vocational training on planting material production in fruit crops



Skill development training on mango grafting

4. Other extension activities



Hon'ble Minister visiting stall in district level Agriculture Fair & Exhibition



Collector & DM Boudh visiting stall in celebration of International Day of Soil



Celebration of International Day of Soil



Workshop on Gender sensitization



11th SAC meeting



PRA survey of village Khuntabandha

5. Instructional farm activities



Mushroom production in farm



Seedling production in polyhouse



Collector & DM visiting crop Cafeteria