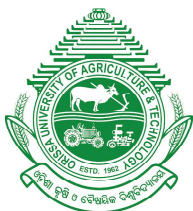


Action Plan 2018 – 19

KRISHI VIGYAN KENDRA, DEOGARH



**Orissa university of Agriculture and Technology,
Bhubaneswar**

1. Name of the KVK : Deogarh
2. Name of host organization : Orissa University of Agriculture and Technology, Bhubaneswar

Training programmes to be organized (April 2018 to March 2019)

(a) Farmers and Farm women

| Thematic Area | Title | No of training | Duration | On / Off | No of participants | | | | | |
|---------------------|--|----------------|----------|----------|--------------------|----|--------|---|---|-------|
| | | | | | SC | ST | Others | M | F | Total |
| I Soil Science | | | | | | | | | | |
| SFM | Importance of soil testing & technique of soil sample collection | 1 | 1 | Off | | | | | | 30 |
| SFM | Importance of green manuring. | 1 | 1 | Off | | | | | | 30 |
| SFM | INM in kharif Paddy | 1 | 1 | Off | | | | | | 30 |
| SFM | INM in pulses | 1 | 1 | Off | | | | | | 30 |
| SFM | INM in oilseed | 1 | 1 | Off | | | | | | 30 |
| SFM | Nutrient management in chilli for enhancing its quality. | 1 | 1 | Off | | | | | | 30 |
| SFM | Organic Farming in Tomato. | 1 | 1 | Off | | | | | | 30 |
| SFM | Use of biofertilizers Cauliflower cultivation. | 1 | 1 | Off | | | | | | 30 |
| SFM | Use & role of micro nutrients in Watermelon. | 1 | 1 | Off | | | | | | 30 |
| SFM | INM in vegetables | 1 | 1 | Off | | | | | | 30 |
| SFM | Deficiency symptoms of micronutrients and their management. | 1 | 1 | Off | | | | | | 30 |
| SFM | Importance of soil testing & technique of soil sample collection | 1 | 1 | Off | | | | | | 30 |
| II Plant Protection | | | | | | | | | | |
| PLP | Technique of seed and soil treatment by pesticides and biocides | 1 | 1 | Off | | | | | | 30 |

| | | | | | | | | | | |
|-----------------------------------|--|---|---|-----|--|--|--|--|--|----|
| PLP | Biological method of pest & diseases management in vegetables | 1 | 1 | Off | | | | | | 30 |
| PLP | Management of pest & diseases in rice | 1 | 1 | Off | | | | | | 30 |
| PLP | Paddy straw mushroom cultivation | 1 | 1 | Off | | | | | | 30 |
| PLP | Management of pest & disease in mango | 1 | 1 | Off | | | | | | 30 |
| PLP | Management of pest & diseases in sweet orange | 1 | 1 | Off | | | | | | 30 |
| PLP | Management of pest & diseases in solanaceous vegetables in winter season | 1 | 1 | Off | | | | | | 30 |
| PLP | Management of pest & diseases in watermelon | 1 | 1 | Off | | | | | | 30 |
| PLP | Oyster mushroom cultivation | 1 | 1 | Off | | | | | | 30 |
| PLP | Disease & pest management in green gram and black gram | 1 | 1 | Off | | | | | | 30 |
| PLP | Disease & pest management in ground nut, sesame and mustard | 1 | 1 | Off | | | | | | 30 |
| PLP | Management of pest & diseases in litchi | 1 | 1 | Off | | | | | | 30 |
| III Agricultural Extension | | | | | | | | | | |
| IMA | Organization of farmers group for better marketing of produce. | 1 | 1 | Off | | | | | | 30 |
| IGA | Market led vegetable Production. | 1 | 1 | Off | | | | | | 30 |
| IV Horticulture | | | | | | | | | | |
| HOV | Post harvest management of summer fruits. | 1 | 1 | Off | | | | | | 30 |
| HOF | Cultivation practices of Tuber crops. | 1 | 1 | Off | | | | | | 30 |
| HOF | Cultural practices in Mango orchards. | 1 | 1 | Off | | | | | | 30 |

| | | | | | | | | | | |
|-----|--|---|---|-----|--|--|--|--|--|----|
| HOV | Nursery raising off season Vegetables. | 1 | 1 | Off | | | | | | 30 |
| HOV | Cultivation practices of Potato. | 1 | 1 | Off | | | | | | 30 |
| HOV | Cultivation practices of Cole crops. | 1 | 1 | Off | | | | | | 30 |
| HOF | Cultivation practices of watermelon. | 1 | 1 | Off | | | | | | 30 |
| HOF | Popularization of horticulture based farming system. | 1 | 1 | Off | | | | | | 30 |

(b) Rural youths

| Thematic Area | Title | No of courses | Duration | On/Off | No of participants | | | | | |
|-------------------------------|---|---------------|----------|--------|--------------------|----|--------|---|---|-------|
| | | | | | SC | ST | Others | M | F | Total |
| I Agricultural Extension | | | | | | | | | | |
| IFS | IFS for income generation and nutritional security. | 1 | 4 | On | | | | | | 20 |
| IGA | Different agro-based income generation avenues for rural youth. | 1 | 4 | On | | | | | | 20 |
| FO | Formation and management of FPOs | 1 | 3 | Off | | | | | | 20 |
| II Plant Protection | | | | | | | | | | |
| PLP | Apiculture for income generation | 1 | 4 | On | | | | | | 20 |
| III Soil Fertility Management | | | | | | | | | | |
| SFM | Production and use of different organic inputs. | 1 | 4 | On | | | | | | 20 |
| IV Horticulture | | | | | | | | | | |
| HOV | Establishment and management of commercial nursery | 1 | 4 | On | | | | | | 20 |
| FO | Formation and management of FPOs of fruit crops | 1 | 3 | Off | | | | | | 20 |

(c) Extension functionaries

| Thematic Area | Title | No of courses | Duration | On/Off | No of participants | | | | | |
|--------------------------|--|---------------|----------|--------|--------------------|----|--------|---|---|-------|
| | | | | | SC | ST | Others | M | F | Total |
| I Agricultural Extension | | | | | | | | | | |
| EXT | PRA tools for plan action development. | 1 | 2 | On | | | | | | 15 |
| EXT | Market extension. led | 1 | 2 | On | | | | | | 15 |

| | | | | | | | | | | |
|--------------------------------------|--|---|---|----|--|--|--|--|--|----|
| IGA | Agricultural entrepreneurship through farmer organization. | 1 | 2 | On | | | | | | 15 |
| IGA | Different IGAs for SHGs. | 1 | 2 | On | | | | | | 15 |
| II Plant Protection | | | | | | | | | | |
| PLP | Non-conventional method of pest control | 1 | 2 | On | | | | | | 15 |
| PLP | Use and efficacy of new generation chemical pesticides | 1 | 2 | On | | | | | | 15 |
| III Soil Fertility Management | | | | | | | | | | |
| SFM | Acid soil management for higher production | 1 | 2 | On | | | | | | 15 |
| SFM | Organic manure Production technology | 1 | 2 | On | | | | | | 15 |

(d) Sponsored Training

| Thematic Area | Title | Courses | Duration | On/Off | No of participants | | | | | |
|---------------|-------|---------|----------|--------|--------------------|----|---|---|---|-----|
| | | | | | SC | ST | O | M | F | Tot |
| - | - | - | - | - | - | - | - | - | - | - |
| Total | | | | | | | | | | |

(e) Vocational Training

| Thematic Area | Title | courses | Duration (in days) | On/Off | No of participants/trainee days | | | | | |
|----------------------|---|----------|--------------------|--------|---------------------------------|----|---|---|---|-----------|
| | | | | | SC | ST | O | M | F | Tot |
| Beekeeping | Beekeeping | 1 | 4 | On | | | | | | 10 |
| Income generation | Production of vermicompost | 1 | 4 | On | | | | | | 10 |
| Mushroom cultivation | Entrepreneurship through mushroom cultivation | 1 | 4 | On | | | | | | 10 |
| Total | | 3 | 12 | | | | | | | 30 |

3. Frontline Demonstration

| Crop | Season | Title | Technology | No. of demonstration | No. of area (ha) |
|-------------|--------------|--|---|----------------------|------------------|
| Brinjal | Kharif-2018 | Demonstration on organic farming in Brinjal | Use of Organics along with Bio-fertilizers like FYM + (Azospirillum + Azatobacter + PSB) @ 4 Kg/ha each after mixing with 10-25 times FYM incubating for 48 hours at the time of land preparation. Use of Trichocard @ 50 nos. & Pheromone traps @ 20 nos./ha to control fruit & shoot borer. | 10 | 1 |
| Rice | Kharif-2018 | Demonstration on management of yellow stem borer in rice | Soil application of Cartap hydrochloride 4G @ 20kg/ha followed by two spraying of Triazophos 35% EC + Deltamethrin 1% EC at 10 days interval | 10 | 2 |
| Chilli | Kharif-2018 | Demonstration on sulphur application in chilli | STB recommendation for NPK and Sulphur (Basal Application @ Bentonite Sulphur 30 kg ha-1 | 10 | 1 |
| Mango | Rabi-2018-19 | Demonstration on management of fruit fly in mango | Installation trap [mixture of ethanol + methyl eugenol and malathion (6:4:1-V/V) soaking in wood block]. Suspend the pheromone capsule (wood block) from the lid using string or wire and close the container. Attach the trap to branch of a tree @ 20 trap/ha at maturing stage of fruits | 10 | 4 |
| Water melon | Rabi-2018-19 | Demonstration on management of thrips in watermelon | Application of Thiomethoxam 25% WG @ 0.6g/lit along with installation of 50 nos. of blue sticky trap 50 nos./ ha at the time of appearance from vegetative to flowering stage | 10 | 1 |
| Litchi | Rabi-2018-19 | Demonstration on INM in litchi. | STB recommendation for NPK and foliar application of ZnSO ₄ @ 0.5% & borax 0.2% at the time of fruit setting. | 10 | 2 |
| | | | Total | 60 | 11 |

Enterprise

| Enterprise | Season | Title | Technology | No. of demonstration | No. of animal/ area (ha) |
|------------|--------|-------|------------|----------------------|--------------------------|
| - | - | - | - | - | - |

4. Seed and planting material production

| Seed | | Planting material | |
|-----------------------------------|------|---|------------|
| Crop | Area | Crop | Area/No |
| Pigeonpea (Var. PRG-176) -Ujwala) | 2 ha | Tomato seedlings (Utkal Raja, Utkal Kumari) | 10000 Nos. |
| Dhanicha | 1 ha | Brinjal seedlings (Tarini) | 10000 Nos. |
| | | Chilli seedlings (Siamhot) | 10000 Nos. |
| | | Cabbage seedlings (Green challenger) | 10000 Nos. |
| | | Cauliflower seedlings (Barkha) | 10000 Nos. |
| | | Mushroom spawn- Paddy Straw | 500 Nos. |
| | | Mushroom spawn- Oyster | 500 Nos. |

5. Extension Activities

| Activities | No. | Participants |
|---------------------------------------|------|--------------|
| Exhibition | 1 | Mass |
| Field days | 4 | 175 |
| Special day celebration | 6 | 650 |
| Radio talk | 2 | Mass |
| Television talk | 1 | Mass |
| Scientists visit to farmers' field | 90 | 625 |
| Kissan Gosthi | - | - |
| No. of farmers visit to KVK | 1800 | 1800 |
| Farmers' club meetings held | 2 | 100 |
| SHG convention | - | - |
| Ex-trainees sammelan | - | - |
| Film show | - | - |
| Group meeting | - | - |
| Lectures delivered as resource person | 20 | 1600 |

6. Revolving Fund

| Open balance as on 1 st april 2018 (Rs. in lakh) | Amount to be invested (Rs.) | Return (Rs.) |
|---|-----------------------------|--------------|
| Nil | 50000.00 | 80000.00 |

7. Expected fund utilization

| Project | Source | Amount to be received (Rs. in lakh) |
|---------|--------|-------------------------------------|
| - | - | - |

8. On-Farm Trials to be conducted (4 nos)

| Thematic area | Title | Treatments | No. of farmer |
|----------------------------|--|---|---------------|
| Varietal evaluation. | Assessment of BPH tolerance paddy variety Hasanta | FP – Pooja | 05 |
| | | TO ₁ - Pratikshya | |
| | | TO ₂ - Hasanta | |
| Varietal evaluation. | Assessment of different tomato varieties in late kharif season. | FP - Laxmi | 07 |
| | | TO ₁ - Arka Samrat | |
| | | TO ₂ – Arka Rakshak | |
| Integrated Pest Management | Assessment of management of sucking pest (aphids) in cowpea | FP-Injudicious use of insecticides like Dimethoate 30EC @ 2ml/lit | 07 |
| | | TO ₁ - Foliar spraying with Imidachloprid 17.8 SL @ 0.5ml/lit | |
| | | TO ₂ - Foliar spraying with Flonicamid 50%WG @ 0.4g/lit along with yellow sticky trap @ 50 nos./ha | |
| Integrated Pest Management | Assessment of chemical control measures against Shoot gall Psylla in mango | FP - Injudicious application of insecticides like Chlorpyrifos 2 ml/lit | 07 |
| | | TO ₁ - Spraying of Thiomethoxam 25WG @ 0.6g/lit | |
| | | TO ₂ - Spraying of Profenofos 50EC @ 2ml/lit + Thiomethoxam 25WG @ 0.6g/lit | |

9. List of Projects to be implemented

| Name of the project | Fund expected (Rs.) |
|---------------------|---------------------|
| - | - |

10. No. of success stories to be developed: 02

11. Scientific Advisory Committee

| Date of SAC meeting held during 2017-18 | Proposed date |
|---|---------------|
| 28.02.2018 | 12.12.2018 |

12. Soil and water testing

| Sample | No. of samples to be analyzed |
|--------|-------------------------------|
| Soil | 200 |
| Plant | - |
| Water | - |

13. Staff position

| Sanctioned | In position | If vacant, since when |
|---------------------------------|-------------|-----------------------|
| Sr. Scientist & Head | 1 | NA |
| SMS (Agronomy) // T-7/8 | 0 | August 2008 |
| SMS (Hort.) // T-7/8 | 0 | May 2018 |
| SMS (Plant Protection) // T-7/8 | 1 | NA |
| SMS (A.H. & V.S.) // T-7/8 | 0 | Since inception(2006) |
| SMS (Fishery Sc.) // T-7/8 | 0 | Since inception(2006) |
| SMS (Agril. Extn)/ T-6 | 0 | July 2014 |

| | | |
|-------------------------------------|----------|----------------|
| SMS (Home Sc.) / T-6 | 0 | January 2016 |
| Programme Assistant (Computer)/ T-5 | 1 | NA |
| Programme Assistant/ T-5 | 1 | NA |
| Farm Manager/T-5 | 0 | August 2012 |
| Office supdt. | 0 | September 2009 |
| Stenographer, Grade – III | 1 | NA |
| Driver/ T-2 | 1 | NA |
| Driver / T-2 | 1 | NA |
| Skilled Supporting Staff | 1 | NA |
| Skilled Supporting Staff | 1 | NA |
| Total | 9 | |

14. Status of infrastructure

| Infrastructure | Complete | Under construction | Not started | Reasons, if not started |
|-------------------------|----------|--------------------|-------------|--------------------------------|
| Administrative building | Yes | - | - | - |
| Trainees' hostel | Yes | - | - | - |
| Staff quarter | Yes | - | - | - |
| Poly house | Yes | - | - | - |
| Mushroom Spawn Unit | Yes | - | - | - |
| Poultry unit | Yes | - | - | - |
| Vermi compost Unit | Yes | - | - | - |
| Boundary wall | No | √ | - | Work stopped from January 2017 |

15. Fund requirement and expenditure (Rs.)

Total Fund Requirement:

| | Expenditure (last year) (Rs. in lakh) | Expected requirement (Rs. in lakh) |
|---|--|---------------------------------------|
| <u>Recurring</u> | | |
| i. Pay & allowance | 4100000.00 | 5000000.00 |
| ii. Contingency | 1100000.00 | 1200000.00 |
| iii. TA | 120000.00 | 150000.00 |
| iv. HRD | - | |
| <u>Non-recurring (specify)</u> | | |
| i. Works (Road, threshing floor, drying yard, vehicle and implement shed, irrigation system etc.) | 400000.00 | 400000.00 |
| ii. Furniture & Equipment | 300000.00 | 100000.00 |
| iii. Vehicle (Mahindra Bolero) and Tractor | 800000.00 | - |
| TOTAL | 6820000.00 | 6850000.00 |

Sd/-
Sr. Scientist & Head
KVK, Deogarh