

Annual Action Plan (2019-20)



**KRISHI VIGYAN KENDRA
SHRI BHAGWAT BHAKTI ASHRAM
RAMPURA- REWARI, 123401 (HARYANA)**

DETAILS OF ACTION PLAN OF KVKs DURING 2019-20

(1st April 2019 to 31st March 2020)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

| Address | Telephone | | E mail | Website |
|--|--------------|------------------|------------------------|--|
| | Office | FAX | | |
| Krishi Vigyan Kendra, Rampura– Rewari, 123401 (Haryana) | 01274-222475 | 01274- 222475 | bbakvkrr@gmail. com | www.kvkreware.org |

1.2 .a. Name and address of host organization with phone, fax and e-mail

| Address | Telephone | | E mail | Website |
|---|--------------|-----|--------|---------|
| | Office | FAX | | |
| Shri Bhagwat Bhakti Ashram, Rampura – Rewari, 123401 (Haryana) | 01274-222401 | -- | -- | -- |

1.2. b. Status of KVK website: Yes (**kvkreware.org**)

1.2. c. No. of Visitors (Hits) to your KVK website (as on today): **17566**



1.2. d Status of ICT lab at your KVK :

1.3. Name of the Programme Coordinator with phone & mobile no.




| Name | Telephone / Contact | | |
|-----------------|---------------------|------------|-----------------------|
| | Office | Mobile | Email |
| Dr. Kapur Singh | 01274-222475 | 9416475793 | kapurrewari@gmail.com |

1.4. Year of sanction: **1983**

1.5. Staff Position (as on 31st Oct., 2018)

| Sl. No. | Sanctioned post | Name of the incumbent | Designation | Discipline | Pay Scale (Rs.) | Grade Pay | Present basic (Rs.) | Date of joining | Permanent /Temporary | Category (SC/ST/OBC/ Others) | Mobile No. | Email id | Please attach recent photograph |
|---------|---------------------------|-----------------------|-----------------------|-----------------|-----------------|-----------|---------------------|-----------------|----------------------|------------------------------|------------|-----------------------|---|
| 1 | Programme Coordinator | Dr. Kapur Singh | Programme Coordinator | Plant Pathology | 37400-67000 | 9000 | 64229 | 02.02.01 | Permanent | OBC | 9416475793 | kapurrewari@gmail.com |  |
| 2 | Subject Matter Specialist | Sh. V. J. Singh | SMS | Agronomy | 15600-39100 | 5400 | 35158 | 10.10.1995 | Permanent | Other | 9416214811 | jeetm67@gmail.com |  |

| | | | | | | | | | | | | | |
|----|-----------------------------|--------------------|--------------|--------------|-------------|------|-------|------------|-----------|--------|------------|------------------------------|---|
| 3 | Subject Matter Specialist | Dr. Pramod Kumar | SMS | Horticulture | 15600-39100 | 5400 | 29068 | 24.07.1995 | Permanent | OBC | 9255182084 | pkyrnm@gmail.com |  |
| 4 | Subject Matter Specialist | Vacant | SMS | Animal Sci. | 15600-39100 | 5400 | -- | -- | -- | -- | -- | -- | -- |
| 5 | Subject Matter Specialist | Dr. Himmat Kumar | SMS | Agri. Extn. | 15600-39100 | 5400 | 24334 | 18.03.2011 | Permanent | SC/PH | 9896750258 | himmat.jeenger@gmail.com |  |
| 6 | Subject Matter Specialist | Er. Raj Kumar | SMS | Agri. Engg. | 15600-39100 | 5400 | 24334 | 24.04.2011 | Permanent | OBC | 9416926163 | rajguru567@gmail.com |  |
| 7 | Subject Matter Specialist | Anil Kumar Yadav | SMS | Soil science | 15600-39100 | 5400 | 23635 | 02.07.12 | Permanent | OBC | 9813719455 | anilyadav878@gmail.com |  |
| 8 | Programme Assistant | Smt. Rajkumari | | Home Science | 9300-34800 | 4200 | 24946 | 01.05.92 | Permanent | OBC | 9896167772 | rajbhatotiya@rediffmail.com |  |
| 9 | Farm manager | Vacant | Farm manager | -- | 9300-34800 | 4200 | -- | -- | -- | -- | -- | -- | -- |
| 10 | Computer Programmer | Smt. Ritu Yadav | | Official | 9300-34800 | 4200 | 15651 | 11.03.11 | Permanent | OBC/PH | 9466517139 | rituyadav.yadav122@gmail.com |  |
| 11 | Accountant / Superintendent | Shri Dilip Kumar | | Official | 9300-34800 | 4200 | 19974 | 30.11.05 | Permanent | Other | 9253331868 | dilipkumarvk@gmail.com |  |
| 12 | Stenographer | Sh. Davender Kumar | | Official | 5200-20200 | 2400 | 12555 | 01.04.95 | Permanent | OBC | 9466885450 | sendavender@gmail.com |  |

| | | | | | | | | | | | | | |
|----|------------------|--------------|--|------------------|------------|------|-------|----------|-----------|-------|------------|----|---|
| 13 | Driver | Vacant | | Vacant | 5200-20200 | 2000 | -- | -- | -- | -- | -- | -- | -- |
| 14 | Driver | Sh. Hariom | | Driver | 5200-20200 | 2000 | 12555 | 01.06.95 | Permanent | OBC | 8930565377 | -- |  |
| 15 | Supporting staff | Sh. Narain | | Supporting Staff | 5200-20200 | 1800 | 10724 | 28.04.84 | Permanent | OBC | 8570852800 | -- |  |
| 16 | Supporting staff | Sh. Tekchand | | Supporting Staff | 5200-20200 | 1800 | 10724 | 28.04.84 | Permanent | Other | 9991528553 | -- |  |

1.6. Total land with KVK (in ha) :

| S. No. | Item | Area (ha) |
|--------------|---------------------------|-------------|
| 1 | Under Buildings | 2.8 |
| 2. | Under Demonstration Units | 2.0 |
| 3. | Under Crops | 13.0 |
| 4. | Horticulture | 3.0 |
| 5. | Pond | -- |
| 6. | Others if any | -- |
| Total | | 20.8 |

1.7. Infrastructural Development:

A) Buildings

| S. No. | Name of building | Source of funding | Stage | | | | | |
|--------|------------------------------|-------------------|-----------------|--------------------|-------------------|---------------|--------------------|------------------------|
| | | | Complete | | | Incomplete | | |
| | | | Completion Year | Plinth area (Sq.m) | Expenditure (Rs.) | Starting year | Plinth area (Sq.m) | Status of construction |
| 1. | Administrative Building | ICAR | -- | 496.4 | -- | -- | -- | -- |
| 2. | Farmers Hostel | -do- | -- | 321.2 | -- | -- | -- | -- |
| 3. | Staff Quarters (6) | -do- | -- | 318.0 | -- | -- | -- | -- |
| 4. | Demonstration Units (2) | -- | -- | -- | -- | -- | -- | -- |
| 5. | Fencing | -- | -- | -- | -- | -- | -- | -- |
| 6. | Rain Water harvesting system | -- | -- | -- | -- | -- | -- | -- |
| 7. | Threshing floor | -- | -- | -- | -- | -- | -- | -- |
| 8. | Farm godown | -- | -- | -- | -- | -- | -- | -- |
| 9. | Other | -- | -- | -- | -- | -- | -- | -- |

B) Vehicles

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|-----------------|------------------|-------------|--------------------------------|----------------|
| Jeep | 31.3.2006 | 4,98,741.00 | 155501 (O) + 2745 (N) = 158246 | Good |
| Tractor | 30.3.1998 | 2,85,000.00 | 12742 | Condemned |

C) Equipments & AV aids

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status |
|------------------------------------|------------------|------------|----------------|
| AV aids | | | |
| LCD Projector | 2007 | 89,836/- | Good |
| Camera | 2016 | 25,000/- | Good |
| Colour T.V. | 2001 | 22,000/- | Good |
| Microscope | 2010 | 99,500/- | Good |
| Refrigerator | 2010 | 40,000/- | Good |
| Office Equipment | | | |
| Computer Dell -5 | 2008 | 3,00,000/- | Good |
| Laptop | 2007 | 30,680/- | Good |
| Photostat machine | 2010 | 99,950/- | Good |
| Computer etc.(NATP) | 2010 | 28,000/- | Good |
| Fax machine with printer | 2010 | 12,590/- | Good |
| Auto clave Vertical | 2010 | 60,000/- | Good |
| Bodinculator | 2010 | 89,000/- | Good |
| Laminar Air flow | 2010 | 64,000/- | Good |
| Micro oven | 2010 | 5,300/- | Good |
| Head Operated Aonla pickle machine | 2013 | 5,262/- | Good |
| Soil Testing kit | 2015 | 75,000/- | Good |
| Water Cooler with RO | 2016 | 50,000/- | Good |
| GPS 9645 with STI | 2016 | 19,687/- | Good |
| Farm equipments | | | |
| Cultivator | 1990 | 7,500/- | Good |
| Thresher | 2001 | 50,000/- | Good |
| ZT machine | 2012 | 47,500/- | Good |

1.8. A). Details of SAC meetings to be conducted in the year

| Sl. No. | Date |
|--|----------------|
| 1. Scientific Advisory Committee Meeting | November, 2019 |

2. DETAILS OF DISTRICT**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

| S. No | Farming system/enterprise |
|-------|--|
| 1 | Agricultural + Animal Husbandry |
| 2 | Agricultural + Animal Husbandry + Horticulture |
| 3 | Bajra – wheat |
| 4 | Bajra – mustard |
| 5 | Cotton – wheat |
| 6 | Guar – wheat |

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

a) Soil type

| Sl. No. | Agro-climatic Zone | Characteristics |
|---------|---------------------|---|
| 1 | Western Zone (HR 2) | <p>Climate: The district falls under hot and semi-arid climatic zone with extremes of temperature (2.0°C-47°C) in months of December & January are of severe cold and the months of May & June are of bitter summer. Because of the touch of Rajasthan this district faces dusty storms in summer season.. Average rainfall was 300-500 mm.</p> <p>Soil Type: The Soil texture of the district varies from sandy to loamy sand. The district has around 90.00% soils under loamy-sand texture. Being coarse textured the soils are poor in water as well as in nutrient retention. In the district, 99% soils are low in organic carbon, whereas 50.8% soils are low in P, but 90 % soils are in medium to high category of K. The soils are also deficient in S and micro-nutrients Zn and Fe to the extent of 30, 70 and 10 % respectively.</p> |

b) Topography

| S. No. | Agro ecological situation | Characteristics |
|--------|--|---|
| 1 | AES – I (Comprising Jatusana & nahar Block) | The soils are loamy-sand soil having restricted tube-well water irrigation pH ranging from 8-10 with poor quality of irrigation water. The soils are generally low in N, low to medium in P&K and low to medium in Zn & Fe etc. the main cropping systems are Bajra- wheat and bajra-mustard. |
| 2 | AES – II (Comprising Bawal, Khol and Rewari Block) | The soils are sandy to loamy sand having moderate tube-well irrigation. The soils are low in N, medium to high in P&K and low to high in Zn, Fe and S etc. The main cropping system is Bajra-wheat, Guar-Wheat and Guar-Mustard. |

2.3 Soil Types

| S. No | Soil type | Characteristics | Area in ha |
|-------|------------|---|------------|
| 1 | Loamy sand | The soils are loamy-sand soil having restricted tube-well water irrigation pH ranging from 8-10 with poor quality of irrigation water. The soils are generally low in N, low to medium in P&K and low to medium in Zn & Fe etc. the main cropping systems are Bajra- wheat and bajra-mustard. | -- |
| 2 | Sandy loam | The soils are sandy to loamy sand having moderate tube-well irrigation. The soils are low in N, medium to high in P&K and low to high in Zn, Fe and S etc. The main cropping system is Bajra-wheat, Guar-Wheat and Guar-Mustard. | -- |

2.4. Area, Production and Productivity of major crops cultivated in the district (2017-18)

| S. No | Crop | Area (ha) | Production (MT) | Productivity (Qt./ha) |
|-------|---------|-----------|-----------------|-----------------------|
| 1 | Wheat | 49300 | -- | -- |
| 2 | Mustard | 67100 | -- | -- |
| 3 | Barley | 1600 | -- | -- |
| 4 | Paddy | 2000 | 5000 | 23.11 |
| 5 | Bajra | 68000 | 133000 | 19.55 |
| 6 | Cotton | 8000 | 23000* | 4.82 |

Source: District agriculture department. , Rewari (2016-17) * Bales (170 kg/bale)

2.5. Weather data (2017-18)

| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
|--------------|---------------|-----------------|---------|-----------------------|---------|
| | | Maximum | Minimum | Maximum | Minimum |
| April | -- | -- | -- | -- | -- |
| May | 2.3 | 37.80 | 23.35 | 51.00 | 20.50 |
| June | 24.86 | 39.82 | 23.78 | 57.00 | 32.00 |
| July | 25.75 | 34.52 | 26.47 | 83.50 | 57.25 |
| August | 30.78 | 33.58 | 25.44 | 84.00 | 60.20 |
| September | 31.23 | 31.78 | 22.95 | 90.50 | 63.50 |
| October | -- | 35.00 | 16.55 | 84.25 | 35.00 |
| November | -- | -- | -- | -- | -- |
| December | -- | -- | -- | -- | -- |
| January | -- | -- | -- | -- | -- |
| February | -- | -- | -- | -- | -- |
| March | -- | -- | -- | -- | -- |
| Total | | | | | |

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

| Category | Population | Production | Productivity |
|-------------------|------------|-----------------|---------------|
| Cattle | | | |
| <i>Crossbred</i> | 36674 | -- | -- |
| <i>Indigenous</i> | 46522 | -- | -- |
| Buffalo | 237615 | -- | -- |
| Sheep | 9698 | -- | -- |
| Goats | 23237 | -- | -- |
| Pigs | 4469 | | |
| <i>Crossbred</i> | 1781 | -- | -- |
| <i>Indigenous</i> | 2688 | -- | -- |
| Rabbits | 26 | -- | -- |
| Poultry | | | |
| Hens | 1654 | -- | -- |
| <i>Desi</i> | 1099 | -- | -- |
| Category | | Production (Q.) | Productivity |
| Fish (Reservoir) | 514.8 ha | 3385 tonns | 6.57 tonns/ha |

*Statistical report of Haryana (2015-16)

2.7 Details of Operational area / Villages

| Taluka | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|--------|-------------------|--|---|--|--|
| | Khol | Mandola, Nimoth, Manethi, Dhawana, Khaleta | Bajra, guar, mustard, wheat, dairying, ber, citrus, marigold, bottle guard, okra, brinjal | <ul style="list-style-type: none"> • Heavy incidence of weeds in bajra & guar • Improper seed treatment & BLB in guar • No use of P in bajra & guar • Improper selection of hybrids • Stem rot incidence in mustard • Use of high dose of P & no use of S in mustard • Improper seed treatment, termite infestation during maturity in wheat • Fruit fly infestation in vegetable crops • Sodic soil and water condition • Marketing problem of marigold | <ul style="list-style-type: none"> • Integrated weed management • Balanced use of fertilizer • Seed treatment • Application of micro-nutrients • Insect pest management • Use of high yielding varieties |
| | Rewari | Khijuri, Rasgan, Dungarwas | Bajra, guar, mustard, wheat, dairying, ber, okra, bottle guard | <ul style="list-style-type: none"> ❖ No use of P & weeds infestation in bajra ❖ Improper seed treatment & BLB incidence in guar ❖ Unbalanced use of fertilizers in wheat & mustard ❖ Improper seed treatment & less use of bio-fertilizers in wheat ❖ Use of non-descriptive varieties of vegetable crops ❖ Fruit fly attack on Bottle guard ❖ Lack of green fodder & use of unbalanced diet for milch animals ❖ Sodic soil and water condition | <ul style="list-style-type: none"> • Application of balanced fertilizer • Use of high yielding varieties • Insect pest management • Seed treatment • Integrated nutrient management |

2.8 Priority thrust areas

| Crop/Enterprise | Thrust area |
|--------------------------|---|
| Mustard | <ul style="list-style-type: none"> • Integrated pest management (IPM) • Integrated Nutrient Management (INM) • Weed management |
| Wheat | <ul style="list-style-type: none"> • Seed treatment • Weed management • High yielding varieties |
| Bajra | <ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Gap filling • Weed management |
| Guar | <ul style="list-style-type: none"> • Integrated disease management (IDM) • Weed management |
| Cotton | <ul style="list-style-type: none"> • High yielding varieties • Integrated disease management (IDM) |
| Cucurbits | <ul style="list-style-type: none"> • High yielding varieties • Seedling raising and early cultivation • Poly tunnel cultivation • Integrated pest management (IPM) |
| Onion | <ul style="list-style-type: none"> • High yielding varieties • Nursery raising and transplanting • Onion thrips and purple blotch management |
| Brinjal | <ul style="list-style-type: none"> • High yielding varieties • Nursery raising and transplanting • Integrated disease management (IDM) • Fruit and shoot borer management |
| Tomato | <ul style="list-style-type: none"> • High yielding varieties • Integrated Nutrient Management (INM) • Integrated disease management (IDM) |
| Okra | <ul style="list-style-type: none"> • Mosaic resistant high yielding varieties • Sowing time and method • Fruit borer management |
| Ber | <ul style="list-style-type: none"> • Powdery mildew management • Fruit fly management |
| Aonla | <ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Value addition |
| Guava | <ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Fruit fly management |
| Citrus fruits | <ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Fruit drops and splitting management • Integrated disease management (IDM) |
| Marigold | <ul style="list-style-type: none"> • High yielding varieties • Nursery raising and transplanting • Seed production |
| Livestock | <ul style="list-style-type: none"> • Dairy farming • Goat farming |
| Agricultural Engineering | <ul style="list-style-type: none"> • Recourse conservation technology • Post harvest technology • Drip and sprinkler irrigation system |
| Agricultural Extension | <ul style="list-style-type: none"> • Formation of SHG and farmers' club • Capacity building • ICT and its application • Farmers' producer organization |
| Women empowerment | <ul style="list-style-type: none"> • Tailoring and stitching • Preservation of fruits and vegetables • Value addition in aonla |

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

| OFT | | FLD | |
|------------------------|--------------------------|-----------------------|------------------------|
| (1) | | (2) | |
| Number of OFTs | Number of Farmers | Area (ha) | Number of Farmers |
| 12 | 120 | 114 | 300 |
| Training | | Extension Activities | |
| (3) | | (4) | |
| Number of Courses | Number of Participants | Number of activities | Number of participants |
| 137 | 2645 | 33 | 3396 |
| Seed Production (Qtl.) | Planting material (Nos.) | Fish seed prod. (Nos) | Soil Samples |
| (5) | (6) | (7) | (8) |
| -- | -- | -- | 550 |

3. B. Abstract of interventions to be undertaken

| S. No | Thrust area | Crop/ Enterprise | Identified Problem | Interventions | | | | | Supply of seeds, planting materials etc. |
|-------|-------------|------------------|--------------------|---------------------|---------------------|--------------------------|--|----------------------|--|
| | | | | Title of OFT if any | Title of FLD if any | Title of Training if any | Title of training for extension personnel if any | Extension activities | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |

3.1 Technologies to be assessed and refined

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

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
|---|-----------|-----------|-----------|------------------|-------------------|-----------|-----------|------------------|-------------|-----------|
| Varietal Evaluation | Bajra | -- | -- | -- | Cauliflower & pea | -- | marigold | -- | -- | 04 |
| Seed / Plant production | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Weed Management | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Crop Management | -- | Mustard | -- | -- | -- | -- | -- | -- | -- | 01 |
| Integrated Nutrient Management | Wheat | Mustard | -- | Cotton | -- | -- | -- | -- | -- | 03 |
| Integrated Farming System | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mushroom cultivation | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Drudgery reduction | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Farm machineries | Wheat | Mustard | -- | Cotton | -- | -- | -- | -- | -- | 03 |
| Value addition | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Pest Management | -- | -- | -- | -- | Brinjal | -- | -- | -- | -- | 01 |
| Integrated Disease Management | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Resource conservation technology | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Small Scale income generating enterprises | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL | 03 | 03 | 01 | 01 | 03 | -- | 01 | -- | -- | 12 |

A.2. Abstract on the number of technologies to be refined in respect of crops

B. Details of On Farm Trial

OFT- 1: Assessment of different hybrids of pearl millet.

No. of Trials – 10

Treatment – T₁. HHB – 67 (Imp) (FP)
T₂. HHB – 226 (CCSHAU)
T₃. HHB – 272 (CCSHAU)

Area – 0.4 ha each trial

Observations to be recorded-

1. No. of tillering per plant
2. Size of Sitta
3. Yield (q/ha)
4. Grain weight (1000)
5. B: C: Ratio

OFT- 2: Comparative performance of different varieties of wheat.

No. of Trials – 10

Treatment – T₁. HD-2967
T₂. HD-3086

Area – 0.4 ha each trial

Observations to be recorded-

1. Spike length
2. No. of grains/spike
3. Seed weight (1000)
4. Yield
5. B: C: Ratio

OFT- 3: Assessment of Zn and Fe fertilization on yield of wheat

| Title of OFT | Problem Identified | Major Cause of Problem | Technological Intervention | Source of technology | Critical inputs | Cost of critical input | Area of OFT (ha) | No. of replications /Farmers | Performance indicators |
|---|--|--|--|----------------------|--|--|------------------|------------------------------|--|
| Assessment of Zn and Fe fertilization on yield of wheat | Deficiency symptoms of Zn and Fe identified in the standing crop of wheat. | Zn and Fe deficiency in the soil decline the 5 to 10% yield. | T ₁ . FP (Zn =10 kg/ha and Fe = 0) T ₂ . 25 kg ZnSo ₄ /ha as basal dose and Foliar application of 0.5% FeSo ₄ | (CCSHAU) | Zinc sulphate = 50 kg, Ferrous sulphate = 10 kg | Zinc sulphate =Rs. 4250, Ferrous sulphate = Rs. 300 | 2 | 10 | 1. Length of ear 2. No. of grains per ear 3. Yield (Grain & straw) 4. B: C: Ratio |

OFT- 4: Assessment of balanced fertilization on yield of cotton

| Title of OFT | Problem Identified | Major Cause of Problem | Technological Intervention | Source of technology | Critical inputs | Cost of critical input | Area of OFT (ha) | No. of replications/Farmers | Performance indicators |
|--|--|---|--|----------------------|---|---|------------------|-----------------------------|--|
| Assessment of balanced fertilization on yield of cotton | The yellowish colour start from lower leaves then goes to upper leaves at flowering and ball formation stage due to deficiency of major nutrients. | Deficiency of major nutrients in the soil and farmers do not apply NPK nutrients. | T₁ FP (23:10) T₂ , NPK & Zn recommended (70:24:24:10) | (CCSHAU) | DAP = 250 kg, Urea = 750 kg, MOP = 200kg, Zinc sulphate = 50 kg | DAP = Rs. 6500, Urea = Rs.4500, MOP = Rs.2800, Zinc sulphate = Rs. 4250 | 2 | 10 | 1. No of balls/plant 2. Yield (Grain & straw) 3. B: C: Ratio |

OFT- 5: Assessment of Integrated nutrient management on yield of pearl millet .

| Title of OFT | Problem Identified | Major Cause of Problem | Technological Intervention | Source of technology | Critical inputs | Cost of critical input | Area of OFT (ha) | No. of replications/Farmers | Performance indicators |
|--|---|---|---|----------------------|-----------------|------------------------|------------------|-----------------------------|---|
| Assessment of Integrated nutrient management on yield of pearl millet . | Deficiency of major nutrients and marginal deficiency of secondary and micro-nutrients in the field of pearl millet | Do not apply balanced dose of fertilizer resulting poor yield | T₁ FP NPK (60:25:0) T₂ NPK(156:62.5:30)+50 qt. City compost and bio fertilizer | (CCSHAU) | =25 k | | 2 | 10 | 1. No of tillers/plant 2. Available nutrient (NPK) 3. Yield (Grain & straw) 4. B:C Ratio |

OFT- 6: Assessment of African marigold varieties (Pusa Bahar)

| Title of OFT | Problem Identified | Major causes of problem | Technological Interaction | Source of Technology | Critical Input | Cost of critical input | Area(ha.) of OFT | No. of replication/ farmers | Performance indicator |
|---|---------------------------------|--|---|----------------------|----------------|------------------------|------------------|-----------------------------|--|
| Assessment of African marigold varieties (Pusa Bahar) | Low yield & quality of marigold | Lack of high yielding suitable variety | T ₁ . Pusa Narangi (FP) T ₂ . Pusa Basanti (IARI) T ₃ Pusa Bahar | IARI, Pusa Delhi | Seed | Rs. 8000 | 1.0ha | 10 | 1.Duration of picking 2.Yield 3.B.C. Ratio |

OFT-7: Management of shoot and fruit borer in bringal

No. of Trials – 10

Treatment – T₁. (F.P)
 T₂. Two sprays of Spinosed 45 SC
 at 15 days interval

Observations to be recorded-

- i) Fruit damaged (%)
- ii) Yield
- iii) Net return
- iv) BC: Ratio

OFT- 8: Response of early cauliflower varieties under Rewari conditions.

| Title of OFT | Problem Identified | Major causes of problem | Technological Interaction | Source of Technology | Critical Input | Cost of critical input | Area(ha.) of OFT | No. of replication/ farmers | Performance indicator |
|--|--|----------------------------------|--|----------------------|----------------|------------------------|------------------|-----------------------------|--|
| Assessment of early varieties(Pusa Ashwani) of cauliflower under Rewari conditions | Low market rate of produce in main season crop | Lack of early performing variety | T ₁ . Pusa Kartik (FP) T ₂ Pusa Meghna(IARD) T ₃ . Pusa Ashwni (IARI) | IARI, Pusa Delhi | Seed | Rs. 5000 | 1.0ha | 10 | 1.Disease incidence(%) 2.Yield 3. B.C. Ratio |

OFT- 9: Assessment of garden pea Varieties(Pusa Shree)against Fusarium wilt

| Title of OFT | Problem Identified | Major causes of problem | Technological Interaction | Source of Technology | Critical Input | Cost of critical input | Area(ha.) of OFT | No. of replication/ farmers | Performance indicator |
|---|--|--------------------------------|---|----------------------|----------------|------------------------|------------------|-----------------------------|--|
| Assessment of garden pea Varieties(Pusa Shree)against Fusarium wilt | Mortality & yield affected of garden pea due to wilt | Root infested by Fusarium wilt | T ₁ Arkil(FP) T ₂ Pusa Shree | IARI, Pusa Delhi | Seed | Rs. 7500 | 1.0ha | 5 | 1.Disease incidence(%) 2.Yield 3. B.C. Ratio |

OFT-10: Assessment of the effect of land preparation by reversible M.B.Plough on cotton yield

| Title of OFT | Problem Identified | Major causes of problem | Technological Interaction | Source of Technology | Critical Input | Cost of critical input | Area(ha.) of OFT | No. of replication / farmers | Performance indicator |
|---|--|--|---|----------------------|----------------|------------------------|------------------|------------------------------|-----------------------|
| Assessment of the effect of land preparation by reversible M.B.Plough on cotton yield | Farmers can't use reversible M.B.Plough for land preparation | 1.Lack of machines 2. Farmers are not aware about reversible M.B.Plough | 1.Harrow+ Cultivator (F.P) 2. Reversible M.B.Plough + cultivator | CCSHAU | Machines | NIL | 40 | 10 | Yield B.C Ratio |

OFT-11: Performance of different tillage operations for sowing of mustard

| Title of OFT | Problem Identified | Major causes of problem | Technological Interaction | Source of Technology | Critical Input | Cost of critical input | Area(ha.) of OFT | No. of replication/ farmers | Performance indicator |
|--|--|---|--|----------------------|----------------|------------------------|------------------|-----------------------------|-----------------------|
| Performance of difference operations for sowing of mustard | Farmer's can't use rotavator + harrow for land preparation | 1. Lack of machines 2. less land holding for purchase of rotavator | 1.Harrow+ Cultivator (F.P) 2. Rotavator +Harrow | CCSHAU | Machines | NIL | 40 | 10 | Yield B.C Ratio |

OFT-12: Effect of different farming operations for sowing of wheat

| Title of OFT | Problem Identified | Major causes of problem | Technological Interaction | Source of Technology | Critical Input | Cost of critical input | Area(ha.) of OFT | No. of replication/ farmers | Performance indicator |
|--|--|--|--|----------------------|----------------|------------------------|------------------|-----------------------------|-----------------------|
| Effect of different farming operations for sowing of wheat | Farmer's can't use only rotavator for land preparation | 1. Lack of machines 2. Machines are not available on time | 1. Land preparation by Harrow (F.P) 2. Land preparation by rotavator only | CCSHAU | Machines | NIL | 40 | 10 | Yield B.C Ratio |

3.2 Frontline Demonstrations

A. Details of FLDs to be organized –

| Sl. No. | Crop | Variety | Thematic area | Technology for demonstration | Critical inputs | Season & year | Area (ha) | No. of farmer/ demo | Parameters identified |
|--------------|-----------------|------------------|---------------|--|---|----------------|------------|---------------------|---|
| 1 | Bajra | HHB-226 | ICM | Varietal, Nutrient Management, Weed Management | Seed, NPK, Zinc, Atrazin (Twin hand wheel hoe) | Kharif, 2019 | 16 | 40 | No. of tillers, Weed infestation, yield, B: C ratio |
| 2 | French Marigold | Pusa Deep | ICM | Varietal, Nursery management, Pinching, Disease management | Seed, Dithane, M-45 | Rabi, 2019-20 | 02 | 10 | Yield, B: C ratio |
| 3 | Okra | Arka Anamika | ICM | Varietal, Sowing method, IPM | Seed, Insecticide | Karif, 2019-20 | 02 | 10 | Yield, B:C ratio, Disease incidence(YVMV) |
| 4 | Carrot | Pusa Vrishti | ICM | Varietal, Sowing time, Nutrient management | Seed, Balanced fertilizer | Rabi, 2019-20 | 02 | 10 | Yield, B: C ratio |
| 5 | Guava | Onion, (ALR) | ICM | Inter cropping in orchard, Pest management | Seed, Fungicide, Insecticide | Rabi, 2019-20 | 04 | 10 | Yield, B: C ratio |
| 6 | Guar | HG-2-20 | ICM | Varietal, Insect pest management, Weed management | Seed Cos, Streptocycline | Kharif, 2019 | 04 | 10 | No. of pods per plant, pods length, No of grain per pod |
| 7 | Summer moong | MH-421 | ICM | Varietal, pest management, Weed management | Seed Bawastin, COC | Summer, 2019 | 12 | 30 | No. of pods per plant, pods length, No of grain per pod |
| 8 | Sesame | RT-351 | ICM | Varietal, Seed treatment, Nutrient management, Pest Management | Seed city-compost, Insecticide (Quinalphos) | Kharif, 2019 | 20 | 50 | No. of pods per plant, pods length, No of grain per pod |
| 9 | Mustard | DRMRIJ-31 | ICM | Varietal, Seed treatment, Nutrient management, Pest & disease Management | Seed Bawastin, culture ZnSo4, Sulphur, M-48 melathian | Rabi, 2019 | 40 | 100 | No. of pods per plant, pods length, No of grain per pod |
| 10 | Wheat | HD-3086, HD-2967 | ICM | Varietal, Seed treatment | Seed Bawastin culture | Rabi, 2019 | 12 | 30 | No. of tillers spike length grain per spike |
| Total | | | | | | | 114 | 300 | |

Sponsored Demonstration

| Crop | Area (ha) | No. of farmers |
|------|-----------|----------------|
| -- | -- | -- |

B. Extension and Training activities under FLDs

| S. No. | Activity | No. of activities | Month | Number of participants |
|--------|--------------------------------------|-------------------|----------------------------|------------------------|
| 1 | Field days | 10 | Kharif 2019 & Rabi 2019-10 | 500 |
| 2 | Farmers Training | 12 | -- | 240 |
| 3 | Media coverage | 16 | 2019-20 | Mass |
| 4 | Training for extension functionaries | 03 | Sept., & October | 70 |

C. Details of FLD on Enterprises

(i) Farm Implements

| Name of the implement | Crop | Season and year | No. of farmers | Area (ha) | Critical inputs | Performance parameters / indicators |
|--------------------------------------|-------|-----------------|----------------|-----------|--------------------------------------|---------------------------------------|
| ZT Machine | Wheat | 2019-20 | 15 | 06 | ZT machine for sowing | Yield, B: C ratio |
| Hand operated Aonla pricking machine | Aonla | 2019-20 | 10 | -- | Hand operated Aonla pricking machine | Quality, time & labour, wealth saving |

(ii) Livestock Enterprises

| Enterprise | Breed | No. of farmers | No. of animals, poultry birds/ha. etc. | Critical inputs | Performance parameters / indicators |
|------------|-------|----------------|--|-----------------|-------------------------------------|
| -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- |

| | | | | | | | | |
|---|-----------|------------|-----------|------------|------------|-----------|------------|------------|
| Dairying | -- | -- | -- | -- | -- | -- | -- | -- |
| Sheep and goat rearing | -- | -- | -- | -- | -- | -- | -- | -- |
| Quail farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Piggery | -- | -- | -- | -- | -- | -- | -- | -- |
| Rabbit farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Poultry production | -- | -- | -- | -- | -- | -- | -- | -- |
| Ornamental fisheries | -- | -- | -- | -- | -- | -- | -- | -- |
| Para vets | -- | -- | -- | -- | -- | -- | -- | -- |
| Para extension workers | -- | -- | -- | -- | -- | -- | -- | -- |
| Composite fish culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Freshwater prawn culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Shrimp farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Pearl culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Cold water fisheries | -- | -- | -- | -- | -- | -- | -- | -- |
| Fish harvest and processing technology | -- | -- | -- | -- | -- | -- | -- | -- |
| Fry and fingerling rearing | -- | -- | -- | -- | -- | -- | -- | -- |
| Small scale processing | 01 | 10 | 0 | 10 | 05 | 0 | 05 | 15 |
| Post Harvest Technology | | | | | | | | |
| Tailoring and Stitching | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Rural Crafts | | | | | | | | |
| TOTAL | 06 | 50 | 20 | 70 | 20 | 10 | 30 | 100 |
| (C) Extension Personnel | | | | | | | | |
| Productivity enhancement in field crops | 02 | 40 | 0 | 40 | 10 | 0 | 10 | 50 |
| Integrated Pest Management | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Nutrient management | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Rejuvenation of old orchards | -- | -- | -- | -- | -- | -- | -- | -- |
| Protected cultivation technology | -- | -- | -- | -- | -- | -- | -- | -- |
| Formation and Management of SHGs | -- | -- | -- | -- | -- | -- | -- | -- |
| Group Dynamics and farmers organization | -- | -- | -- | -- | -- | -- | -- | -- |
| Information networking among farmers | -- | -- | -- | -- | -- | -- | -- | -- |
| Capacity building for ICT application | -- | -- | -- | -- | -- | -- | -- | -- |
| Care and maintenance of farm machinery and implements | -- | -- | -- | -- | -- | -- | -- | -- |
| WTO and IPR issues | -- | -- | -- | -- | -- | -- | -- | -- |
| Management in farm animals | -- | -- | -- | -- | -- | -- | -- | -- |
| Livestock feed and fodder production | -- | -- | -- | -- | -- | -- | -- | -- |
| Household food security | -- | -- | -- | -- | -- | -- | -- | -- |
| Women and Child care | -- | -- | -- | -- | -- | -- | -- | -- |
| Low cost and nutrient efficient diet designing | -- | -- | -- | -- | -- | -- | -- | -- |
| Production and use of organic inputs | -- | -- | -- | -- | -- | -- | -- | -- |
| Gender mainstreaming through SHGs | -- | -- | -- | -- | -- | -- | -- | -- |
| Any other (Pl. Specify) | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL | 03 | 55 | 0 | 55 | 15 | 0 | 15 | 70 |
| G. Total | 32 | 420 | 40 | 460 | 140 | 20 | 160 | 620 |

B) OFF Campus

| Thematic Area | No. of Courses | No. of Participants | | | | | | Grand Total |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|
| | | Others | | | SC/ST | | | |
| | | Male | Female | Total | Male | Female | Total | |
| (A) Farmers & Farm Women | | | | | | | | |
| I Crop Production | | | | | | | | |
| Weed Management | 03 | 45 | 0 | 45 | 15 | 0 | 15 | 60 |
| Resource Conservation Technologies | -- | -- | -- | -- | -- | -- | -- | -- |
| Cropping Systems | -- | -- | -- | -- | -- | -- | -- | -- |
| Crop Diversification | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Water management | -- | -- | -- | -- | -- | -- | -- | -- |
| Seed production | -- | -- | -- | -- | -- | -- | -- | -- |
| Nursery management | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Crop Management | 12 | 180 | 0 | 180 | 60 | 0 | 60 | 240 |
| Fodder production | 03 | 45 | 0 | 45 | 15 | 0 | 15 | 60 |
| Production of organic inputs | -- | -- | -- | -- | -- | -- | -- | -- |
| II Horticulture | | | | | | | | |
| a) Vegetable Crops | | | | | | | | |
| Production of low volume and high value crops | 06 | 90 | 0 | 90 | 30 | 0 | 30 | 120 |
| Off-season vegetables | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Nursery raising | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Exotic vegetables like Broccoli | -- | -- | -- | -- | -- | -- | -- | -- |
| Export potential vegetables | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Grading and standardization | -- | -- | -- | -- | -- | -- | -- | -- |
| Protective cultivation (Green Houses, Shade Net etc.) | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| b) Fruits | | | | | | | | |
| Training and Pruning | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Layout and Management of Orchards | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Cultivation of Fruit | -- | -- | -- | -- | -- | -- | -- | -- |
| Management of young plants/orchards | 05 | 75 | 0 | 75 | 25 | 0 | 25 | 100 |
| Rejuvenation of old orchards | -- | -- | -- | -- | -- | -- | -- | -- |
| Export potential fruits | -- | -- | -- | -- | -- | -- | -- | -- |
| Micro irrigation systems of orchards | -- | -- | -- | -- | -- | -- | -- | -- |
| Plant propagation techniques | -- | -- | -- | -- | -- | -- | -- | -- |
| c) Ornamental Plants | | | | | | | | |
| Nursery Management | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Management of potted plants | -- | -- | -- | -- | -- | -- | -- | -- |
| Export potential of ornamental plants | -- | -- | -- | -- | -- | -- | -- | -- |
| Propagation techniques of Ornamental Plants | -- | -- | -- | -- | -- | -- | -- | -- |
| d) Plantation crops | | | | | | | | |
| Production and Management technology | -- | -- | -- | -- | -- | -- | -- | -- |
| Processing and value addition | -- | -- | -- | -- | -- | -- | -- | -- |
| e) Tuber crops | | | | | | | | |
| Production and Management technology | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Processing and value addition | -- | -- | -- | -- | -- | -- | -- | -- |
| f) Spices | | | | | | | | |
| Production and Management technology | 03 | 45 | 0 | 45 | 15 | 0 | 15 | 60 |

| | | | | | | | | |
|---|------------|-------------|------------|-------------|------------|-----------|------------|-------------|
| Production of bio control agents and bio pesticides | -- | -- | -- | -- | -- | -- | -- | -- |
| VIII Fisheries | | | | | | | | |
| Integrated fish farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Carp breeding and hatchery management | -- | -- | -- | -- | -- | -- | -- | -- |
| Carp fry and fingerling rearing | -- | -- | -- | -- | -- | -- | -- | -- |
| Composite fish culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Hatchery management and culture of freshwater prawn | -- | -- | -- | -- | -- | -- | -- | -- |
| Breeding and culture of ornamental fishes | -- | -- | -- | -- | -- | -- | -- | -- |
| Portable plastic carp hatchery | -- | -- | -- | -- | -- | -- | -- | -- |
| Pen culture of fish and prawn | -- | -- | -- | -- | -- | -- | -- | -- |
| Shrimp farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Edible oyster farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Pearl culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Fish processing and value addition | -- | -- | -- | -- | -- | -- | -- | -- |
| IX Production of Inputs at site | | | | | | | | |
| Seed Production | -- | -- | -- | -- | -- | -- | -- | -- |
| Planting material production (Horti.) | -- | -- | -- | -- | -- | -- | -- | -- |
| Bio-agents production | -- | -- | -- | -- | -- | -- | -- | -- |
| Bio-pesticides production | -- | -- | -- | -- | -- | -- | -- | -- |
| Bio-fertilizer production | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermi-compost production (Horti.) | -- | -- | -- | -- | -- | -- | -- | -- |
| Organic manures production (A.S.) | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of fry and fingerlings | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of Bee-colonies and wax sheets | -- | -- | -- | -- | -- | -- | -- | -- |
| Small tools and implements | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of livestock feed and fodder | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of Fish feed | -- | -- | -- | -- | -- | -- | -- | -- |
| X Capacity Building and Group Dynamics | | | | | | | | |
| Leadership development | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Group dynamics | 05 | 75 | 0 | 75 | 25 | 0 | 25 | 100 |
| Formation and Management of SHGs(HS) | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Mobilization of social capital | -- | -- | -- | -- | -- | -- | -- | -- |
| Entrepreneurial development of farmers/youths (Agro.) | -- | -- | -- | -- | -- | -- | -- | -- |
| WTO and IPR issues | -- | -- | -- | -- | -- | -- | -- | -- |
| XI Agro-forestry | | | | | | | | |
| Production technologies | -- | -- | -- | -- | -- | -- | -- | -- |
| Nursery management | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Farming Systems (Agro) | -- | -- | -- | -- | -- | -- | -- | -- |
| XII Others (Pl. Specify) | | | | | | | | |
| TOTAL | 105 | 1335 | 165 | 1500 | 445 | 80 | 525 | 2025 |

C) Consolidated table (ON and OFF Campus)

| Thematic Area | No. of Courses | No. of Participants | | | | | | Grand Total |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|
| | | Others | | | SC/ST | | | |
| | | Male | Female | Total | Male | Female | Total | |
| (A) Farmers & Farm Women | | | | | | | | |
| I Crop Production | | | | | | | | |
| Weed Management | 03 | 45 | 0 | 45 | 15 | 0 | 15 | 60 |
| Resource Conservation Technologies | -- | -- | -- | -- | -- | -- | -- | -- |
| Cropping Systems | -- | -- | -- | -- | -- | -- | -- | -- |
| Crop Diversification | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Water management | -- | -- | -- | -- | -- | -- | -- | -- |
| Seed production | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nursery management | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Crop Management | 16 | 240 | 0 | 240 | 80 | 0 | 80 | 320 |
| Fodder production | 05 | 75 | 0 | 75 | 25 | 0 | 25 | 100 |
| Production of organic inputs | -- | -- | -- | -- | -- | -- | -- | -- |
| II Horticulture | | | | | | | | |
| a) Vegetable Crops | | | | | | | | |
| Production of low volume and high value crops | 08 | 120 | 0 | 120 | 40 | 0 | 40 | 160 |
| Off-season vegetables | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Nursery raising | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Exotic vegetables like Broccoli | -- | -- | -- | -- | -- | -- | -- | -- |
| Export potential vegetables | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Grading and standardization | -- | -- | -- | -- | -- | -- | -- | -- |
| Protective cultivation (Green Houses, Shade Net etc.) | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| b) Fruits | | | | | | | | |
| Training and Pruning | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Layout and Management of Orchards | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Cultivation of Fruit | -- | -- | -- | -- | -- | -- | -- | -- |
| Management of young plants/orchards | 05 | 75 | 0 | 75 | 25 | 0 | 25 | 100 |
| Rejuvenation of old orchards | -- | -- | -- | -- | -- | -- | -- | -- |
| Export potential fruits | -- | -- | -- | -- | -- | -- | -- | -- |
| Micro irrigation systems of orchards | -- | -- | -- | -- | -- | -- | -- | -- |
| Plant propagation techniques | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| c) Ornamental Plants | | | | | | | | |
| Nursery Management | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Management of potted plants | -- | -- | -- | -- | -- | -- | -- | -- |
| Export potential of ornamental plants | -- | -- | -- | -- | -- | -- | -- | -- |
| Propagation techniques of Ornamental Plants | -- | -- | -- | -- | -- | -- | -- | -- |
| d) Plantation crops | | | | | | | | |
| Production and Management technology | -- | -- | -- | -- | -- | -- | -- | -- |
| Processing and value addition | -- | -- | -- | -- | -- | -- | -- | -- |
| e) Tuber crops | | | | | | | | |
| Production and Management technology | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Processing and value addition | -- | -- | -- | -- | -- | -- | -- | -- |
| f) Spices | | | | | | | | |
| Production and Management technology | 04 | 60 | 0 | 60 | 20 | 0 | 20 | 80 |
| Processing and value addition | -- | -- | -- | -- | -- | -- | -- | -- |
| g) Medicinal and Aromatic Plants | | | | | | | | |

| | | | | | | | | |
|---|------------|-------------|------------|-------------|------------|-----------|------------|-------------|
| Carp fry and fingerling rearing | -- | -- | -- | -- | -- | -- | -- | -- |
| Composite fish culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Hatchery management and culture of freshwater prawn | -- | -- | -- | -- | -- | -- | -- | -- |
| Breeding and culture of ornamental fishes | -- | -- | -- | -- | -- | -- | -- | -- |
| Portable plastic carp hatchery | -- | -- | -- | -- | -- | -- | -- | -- |
| Pen culture of fish and prawn | -- | -- | -- | -- | -- | -- | -- | -- |
| Shrimp farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Edible oyster farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Pearl culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Fish processing and value addition | -- | -- | -- | -- | -- | -- | -- | -- |
| IX Production of Inputs at site | | | | | | | | |
| Seed Production | -- | -- | -- | -- | -- | -- | -- | -- |
| Planting material production | -- | -- | -- | -- | -- | -- | -- | -- |
| Bio-agents production | -- | -- | -- | -- | -- | -- | -- | -- |
| Bio-pesticides production | -- | -- | -- | -- | -- | -- | -- | -- |
| Bio-fertilizer production | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermi-compost production | -- | -- | -- | -- | -- | -- | -- | -- |
| Organic manures production | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of fry and fingerlings | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of Bee-colonies and wax sheets | -- | -- | -- | -- | -- | -- | -- | -- |
| Small tools and implements | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of livestock feed and fodder | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of Fish feed | -- | -- | -- | -- | -- | -- | -- | -- |
| X Capacity Building and Group Dynamics | | | | | | | | |
| Leadership development | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Group dynamics | 05 | 75 | 0 | 75 | 25 | 0 | 25 | 100 |
| Formation and Management of SHGs | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Mobilization of social capital | -- | -- | -- | -- | -- | -- | -- | -- |
| Entrepreneurial development of farmers/youths | -- | -- | -- | -- | -- | -- | -- | -- |
| WTO and IPR issues | -- | -- | -- | -- | -- | -- | -- | -- |
| XI Agro-forestry | | | | | | | | |
| Production technologies | -- | -- | -- | -- | -- | -- | -- | -- |
| Nursery management | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Farming Systems | -- | -- | -- | -- | -- | -- | -- | -- |
| Sponsored training | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL | 128 | 1650 | 185 | 1835 | 550 | 90 | 640 | 2475 |
| (B) RURAL YOUTH | | | | | | | | |
| Mushroom Production | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Bee-keeping | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Seed production | -- | -- | -- | -- | -- | -- | -- | -- |
| Production of organic inputs | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Planting material production | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermi-culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Sericulture | -- | -- | -- | -- | -- | -- | -- | -- |
| Protected cultivation of vegetable crops | -- | -- | -- | -- | -- | -- | -- | -- |
| Commercial fruit production | -- | -- | -- | -- | -- | -- | -- | -- |
| Repair and maintenance of farm machinery and implements | 01 | 10 | 0 | 10 | 05 | 0 | 05 | 15 |
| Nursery Management of Horticulture crops | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |

| | | | | | | | | |
|---|------------|-------------|------------|-------------|------------|------------|------------|-------------|
| Training and pruning of orchards | -- | -- | -- | -- | -- | -- | -- | -- |
| Value addition | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Production of quality animal products | -- | -- | -- | -- | -- | -- | -- | -- |
| Dairying | -- | -- | -- | -- | -- | -- | -- | -- |
| Sheep and goat rearing | -- | -- | -- | -- | -- | -- | -- | -- |
| Quail farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Piggery | -- | -- | -- | -- | -- | -- | -- | -- |
| Rabbit farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Poultry production | -- | -- | -- | -- | -- | -- | -- | -- |
| Ornamental fisheries | -- | -- | -- | -- | -- | -- | -- | -- |
| Para vets | -- | -- | -- | -- | -- | -- | -- | -- |
| Para extension workers | -- | -- | -- | -- | -- | -- | -- | -- |
| Composite fish culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Freshwater prawn culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Shrimp farming | -- | -- | -- | -- | -- | -- | -- | -- |
| Pearl culture | -- | -- | -- | -- | -- | -- | -- | -- |
| Cold water fisheries | -- | -- | -- | -- | -- | -- | -- | -- |
| Fish harvest and processing technology | -- | -- | -- | -- | -- | -- | -- | -- |
| Fry and fingerling rearing | -- | -- | -- | -- | -- | -- | -- | -- |
| Small scale processing | 01 | 10 | 0 | 10 | 05 | 0 | 05 | 15 |
| Post Harvest Technology | -- | -- | -- | -- | -- | -- | -- | -- |
| Tailoring and Stitching | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Rural Crafts | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL | 06 | 50 | 20 | 70 | 20 | 10 | 30 | 100 |
| (C) Extension Personnel | | | | | | | | |
| Productivity enhancement in field crops | 02 | 40 | 0 | 40 | 10 | 0 | 10 | 50 |
| Integrated Pest Management | -- | -- | -- | -- | -- | -- | -- | -- |
| Integrated Nutrient management | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Rejuvenation of old orchards | -- | -- | -- | -- | -- | -- | -- | -- |
| Protected cultivation technology | -- | -- | -- | -- | -- | -- | -- | -- |
| Formation and Management of SHGs | -- | -- | -- | -- | -- | -- | -- | -- |
| Group Dynamics and farmers organization | -- | -- | -- | -- | -- | -- | -- | -- |
| Information networking among farmers | -- | -- | -- | -- | -- | -- | -- | -- |
| Capacity building for ICT application | -- | -- | -- | -- | -- | -- | -- | -- |
| Care and maintenance of farm machinery and implements | -- | -- | -- | -- | -- | -- | -- | -- |
| WTO and IPR issues | -- | -- | -- | -- | -- | -- | -- | -- |
| Management in farm animals | -- | -- | -- | -- | -- | -- | -- | -- |
| Livestock feed and fodder production | -- | -- | -- | -- | -- | -- | -- | -- |
| Household food security | -- | -- | -- | -- | -- | -- | -- | -- |
| Women and Child care | -- | -- | -- | -- | -- | -- | -- | -- |
| Low cost and nutrient efficient diet designing | -- | -- | -- | -- | -- | -- | -- | -- |
| Production and use of organic inputs | -- | -- | -- | -- | -- | -- | -- | -- |
| Gender mainstreaming through SHGs | -- | -- | -- | -- | -- | -- | -- | -- |
| Any other (Pl. Specify) | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | 03 | 55 | 0 | 55 | 15 | 0 | 15 | 70 |
| G. TOTAL | 137 | 1755 | 205 | 1960 | 585 | 100 | 685 | 2645 |

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

| Nature of Extension Activity | No. of activities | Farmers | | | Extension Officials | | | Total | | |
|--|-------------------|-------------|------------|-------------|---------------------|-----------|------------|-------------|------------|-------------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Field Day | 10 | 430 | 70 | 500 | 20 | 05 | 25 | 450 | 75 | 525 |
| Kisan Mela | 01 | 450 | 50 | 500 | 08 | 02 | 10 | 458 | 52 | 510 |
| Kisan Ghosthi | 04 | 120 | 10 | 130 | 05 | 00 | 05 | 125 | 10 | 135 |
| Exhibition | 03 | 500 | 50 | 550 | 10 | 05 | 15 | 560 | 55 | 615 |
| Film Show | 03 | 500 | 50 | 550 | 10 | 05 | 15 | 560 | 55 | 615 |
| Farmers Seminar | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Workshop | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Group meetings | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lectures delivered as resource persons | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Newspaper coverage | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radio talks | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| TV talks | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Popular articles | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Extension Literature | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Advisory Services | | | | | | | | | | |
| Scientific visit to farmers field | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Farmers visit to KVK | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Diagnostic visits | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Exposure visits | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ex-trainees Sammelan | 01 | 50 | 20 | 70 | 02 | 02 | 04 | 52 | 22 | 74 |
| Soil health Camp | 01 | 30 | 0 | 30 | 02 | 0 | 02 | 32 | 0 | 32 |
| Animal Health Camp | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Agri mobile clinic | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Soil test campaigns | 01 | 30 | 0 | 30 | 02 | 0 | 02 | 32 | 0 | 32 |
| Farm Science Club Conveners meet | 01 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Self Help Group Conveners meetings | 01 | 0 | 40 | 40 | 0 | 02 | 02 | 0 | 42 | 42 |
| Mahila Mandals Conveners meetings | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Celebration of important days | 01 | 0 | 50 | 50 | 0 | 02 | 02 | 0 | 52 | 52 |
| Mahila Kisan Diwas | | | | | | | | | | |
| Krishi Mohostva | 01 | 30 | 0 | 30 | 02 | 0 | 02 | 32 | 0 | 32 |
| Krishi Rath | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pre Kharif workshop | 01 | 250 | 0 | 250 | 05 | 0 | 05 | 255 | 0 | 255 |
| Pre Rabi workshop | 01 | 250 | 0 | 250 | 05 | 0 | 05 | 255 | 0 | 255 |
| Any Other (Specify) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Swachhata pakhwara | 01 | 50 | 20 | 70 | 02 | 02 | 04 | 52 | 22 | 74 |
| Parthenium eradication week | 01 | 50 | 20 | 70 | 02 | 02 | 04 | 52 | 22 | 74 |
| Awareness campaign against residue burning | 01 | 50 | 20 | 70 | 02 | 02 | 04 | 52 | 22 | 74 |
| Total | 33 | 2790 | 400 | 3190 | 77 | 29 | 106 | 2967 | 429 | 3396 |

3.5 Target for Production and supply of Technological products
SEED MATERIALS

| Sl. No. | Crop | Variety | Quantity (qtl.) |
|-------------------------|------|---------|-----------------|
| CEREALS | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| OILSEEDS | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| PULSES | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| VEGETABLES | -- | -- | -- |
| OTHERS (Specify) | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |

PLANTING MATERIALS

| Sl. No. | Crop | Variety | Quantity (Nos.) |
|-------------------------|------|--------------|-----------------|
| FRUITS | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| SPICES | -- | -- | -- |
| | -- | -- | -- |
| VEGETABLES | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| | -- | -- | -- |
| FOREST SPECIES | -- | -- | -- |
| | -- | -- | -- |
| ORNAMENTAL CROPS | -- | -- | -- |
| | | Total | -- |

Bio-products

| Sl. No. | Product Name | Species | Quantity | |
|-----------------------|--------------|---------|----------|------|
| | | | No | (kg) |
| BIO PESTICIDES | -- | -- | -- | -- |
| 1 | -- | -- | -- | -- |
| 2 | -- | -- | -- | -- |

LIVESTOCK

| Sl. No. | Type | Breed | Quantity | |
|-------------|------|-------|----------|------|
| | | | (Nos) | Unit |
| Cattle | -- | -- | -- | -- |
| | -- | -- | -- | -- |
| GOAT | -- | -- | -- | -- |
| SHEEP | -- | -- | -- | -- |
| POULTRY | -- | -- | -- | -- |
| Pig farming | -- | -- | -- | -- |
| FISHERIES | -- | -- | -- | -- |
| | -- | -- | -- | -- |

3.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : 1984
Number of copies to be published : 1000

(B) Literature developed/published

| S.No. | Topic | Number |
|-------|--------------------------------|------------------------------------|
| 1 | Research paper each scientist | 01 |
| 2 | Technical reports | APR, QPR, MPR & other reports = 30 |
| 3 | News letters | 04 |
| 4 | Training manual all discipline | -- |
| 5 | Popular article | 12-15 every year |
| 6 | Extension literature | 15 |
| | Total | 50 |

(C) Details of Electronic Media to be produced

| S. No. | Type of media (CD / VCD / DVD / Audio-Cassette) | Title of the programme | Number |
|--------|---|------------------------|--------|
| 1 | -- | -- | -- |
| | -- | -- | -- |

3.7. Success stories/Case studies identified for development as a case.

- 1. Protected cultivation**
- 2. Mushroom production**
- 3. Vermicomposting**
 - a. Brief introduction
 - b. Interventions
 - c. Output
 - d. Outcomes
 - e. Impact
 - i) Social economic
 - ii) Bio-Physical
 - f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for

Farmers training:

- a) Personal contact, Need based
- b) Seasonal crop basis
- c) Group discussion with **Sarpanch & Farm families**
- d) Formation of Kisan Clubs/SHGs

Rural Youth:

To generate self-employment through small enterprises & skill based training programmes; various vocational training programmes in different disciplines are identified.

In-service personnel

Discussion with different line departments in the area during SAC meetings need for in-service training is identified, planned and organized accordingly to satisfy desired needs.

- a) Orientation trainings for ADOs & on the basis of farmer's need.
- b) On the basis of farmer's need of particular block of the district.

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

For FLD :

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

3.10 Field activities

- i. Name of villages identified/adopted with block name
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages:
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical):
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2005

2. List of equipments purchase with amount

| Sl. No. | Name of the equipment | Quantity | Cost (Rs) |
|---------|-----------------------|----------|-----------|
| 1 | | | |

3. Targets of samples for analysis:

| Details | No. of Samples | No. of Farmers | No. of Villages | Amount to be realized |
|--------------|----------------|----------------|-----------------|-----------------------|
| Soil Samples | 550 | 200 | 50 | 5500.00 |
| Water | 200 | 200 | 50 | 2000.00 |
| Plant | -- | -- | -- | -- |
| Total | 750 | 400 | 100 | 7500.00 |

4.0 LINKAGES

4.1 Functional linkage with different organizations

| Sl. No. | Name of organization | Nature of Linkage |
|---------|--------------------------------------|--|
| 1. | ICAR – ATARI, Zone – II, Jodhpur | Grant-in Aids, Lab, CFLDs (Oilseed & pulses), skill based training programmes & other extension activities |
| 2. | ICAR – IIWBR, & ICAR – CCSRI, Karnal | Exposure visits, improved seed for demonstrations & OFTs |
| 3. | CCS HAU, Hisar, RRS, Bawal | Foundation & breeder seeds for multiplication & demonstration, technical know-how, exposure visits OFT etc |
| 4. | District Agri. Department | Conducting training & participation in other extension programmes |
| 5. | Regional Research Station, Bawal | Technical guidance, training & other Extension activities |
| 6. | District Horticulture Department | Training programmes |
| 7. | District Forest Department | Planting material & plantation |
| 8. | District A.H. Department | Organizing clinical camps |
| 9. | KRIBHCO | Input supply & extension |
| 10. | NABARD | Formation and management of SHG, farmers' club |
| 11. | IFFCO | Input supply & extension |
| 12. | District Rural Development Agency | Conducting training programme |
| 13. | Rewari cooperative marketing society | Input supply |
| 14. | Nehru Yuva Kendra | Training programme |
| 15. | District Fisheries Department | Training & extension |
| 16. | District Civil Hospital | Nutrition & vaccination |

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district **Yes**

| S. No. | Programme | Nature of linkage |
|--------|------------------|--|
| 1 | Farmers Training | Member of Governing Board, Involved in organizing training, and other extension activities |
| 2 | -- | -- |

4.3 Give details of programmes under National Horticultural Mission

| S. No. | Programme | Nature of linkage |
|--------|-----------|-------------------|
| 1 | -- | -- |
| 2 | -- | -- |

4.4 Nature of linkage with National Fisheries Development Board

| S. No. | Programme | Nature of linkage |
|--------|-----------|-------------------|
| 1 | -- | -- |
| 2 | -- | -- |

5.0 Utilization of hostel facilities

| S. No. | Programme | No. of days |
|--------|--------------|-------------|
| 1 | -- | -- |
| 2 | -- | -- |
| | Total | -- |

6.0 Convergence with departments:

7.0 Feedback of the farmers about the technologies demonstrated and assessed :

- i) Full package demonstration may be provided in all major crops
- ii) Provision of To and Fro charges for trainees

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Training Programme

i) Farmers & Farm women (On Campus)

| Date | Clientele | Title of the training programme | Duration in days | Number of participants | | | Number of SC/ST | | | G. Total |
|------------------------|-----------|--|------------------|------------------------|----|----|-----------------|----|----|----------|
| | | | | M | F | T | M | F | T | |
| Crop Production | | | | | | | | | | |
| April, 2019 | PF | Production technology of summer moong | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| May, 2019 | PF | Production technology of kharif fodder crop | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Production technology of Til crop | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Sept., 2019 | PF | Production technology of rabi fodder crop | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Sept., 2019 | PF | Production technology of gram crop | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Production technology of Mustard crop | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nov., 2019 | PF | Seed production technology of wheat | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Horticulture | | | | | | | | | | |
| April, 2019 | PF | Package & practices of Okra | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Vegetative propagation techniques of plants | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug, 2019 | PF | Package & practices of French marigold | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug., 2019 | PF | Production technology of carrot | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Production technology of rabi onion | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Livestock prod. | | | | | | | | | | |
| | PF/FW | | | | | | | | | |
| | PF | | | | | | | | | |
| Agril. Engg. | | | | | | | | | | |
| May, 2019 | PF | Installation, care & maintenance of bio-gas plant & solar equipments | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug., 2019 | PF | Use care & maintenance of tractor & farm machineries | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nov., 2019 | PF | Installation, care & maintenance of drip & sprinkler irrigation system | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Feb, 2020 | PF | Scientific use of grain storage structures | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Home Sc. | | | | | | | | | | |
| Oct., 2019 | PF | Detergent & soap making | 05 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Feb, 2020 | PF | Value addition of fruit & vegetable | 05 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Plan protection | | | | | | | | | | |
| July, 2019 | PF | Integrated disease pest management in kharif crops | 04 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Oct., 2019 | PF | Integrated pest management in rabi crops | 04 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Fisheries | | | | | | | | | | |
| | PF | | | | | | | | | |
| Soil Health | | | | | | | | | | |
| May, 2019 | PF | Scientific method for management of problematic soil & water | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| June, 2019 | PF | Vermi compost production technology | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Integrated Nutrient Management in rabi crops | 04 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |

i) Farmers & Farm women (Off Campus)

| Date | Clientele | Title of the training programme | Duration in days | No. of participants | | | Number of SC/ST | | | G. Total |
|------------------------|-----------|---|------------------|---------------------|---|----|-----------------|---|----|----------|
| | | | | M | F | T | M | F | T | |
| Crop Production | | | | | | | | | | |
| April, 2019 | PF | Production technology of summer moong | 01 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| May, 2019 | PF | Production technology of kharif fodder crop | 01 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| May, 2019 | PF | Production technology of cotton crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| June, 2019 | PF | Weed management of kharif crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| June, 2019 | PF | Production technology of Bajra crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Production technology of Guar crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Production technology of Til crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug., 2019 | PF | Production technology of rabi fodder crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Sept., 2019 | PF | Production technology of mustard crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Weed management of rabi fodder | 01 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Oct., 2019 | PF | Production technology of mustard crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nov., 2019 | PF | Production techniques of wheat & barley crop | 01 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Nov., 2019 | PF | Weed management of wheat crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Dec, 2019 | PF | Weed management of wheat crop | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| March, 2020 | PF | Production technology of summer moong | | | | | | | | |
| Horticulture | | | | | | | | | | |
| April, 2019 | PF | Plant protection measures in cucurbits | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| April, 2019 | PF | Management of orchard in summer season | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| May, 2019 | PF | Healthy nursery raising & Package & practices of solanaceous vegetable i.e. tomato, brinjal & chilli. | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| May, 2019 | PF | Training, pruning and manuring schedule for ber orchard | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| June, 2019 | PF | Nursery raising and cultivation of African marigold | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| June, 2019 | PF | Nursery management of vegetables in summer season | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Scientific technology for orchard establishment and plants availability | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Scientific nursery raising of Cole crops & production technology like cauliflower, cabbage etc. | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug., 2019 | PF | Package & practices of kharif onion for early market | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug., 2019 | PF | Management of Guava orchard in rainy season | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Sept., 2019 | PF | Early cultivation of potato for better market value | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Sept., 2019 | PF | Package & practices of garden pea for early cultivation | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Plant protection measures in ber orchard | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Scientific nursery raising and cultivation of rabi onion | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nov., 2019 | PF | Package & practices of spices crops i.e. fennel, fenugreek & coriander | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nov., 2019 | PF | Nursery raising of capsicum and its cultivation | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Dec., 2019 | PF | Protected cultivation of cucurbits in poly- low tunnel | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Dec., 2019 | PF | Management of mushroom units | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Jan., 2020 | PF | Early cultivation of okra for better market value | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Jan., 2020 | PF | Management of poly houses | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Feb., 2020 | PF | Management of pre harvest fruit drop in citrus orchard | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Feb., 2020 | PF | Plant protection measures in cucurbitaceous vegetable | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| March, 2020 | PF | Management of summer vegetable | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| March, 2020 | PF | Orchard management in spring season | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |

| Live Stock Production. | | | | | | | | | | |
|-------------------------------|----|--|----|----|----|----|----|----|----|----|
| | PF | | | | | | | | | |
| Agril. Engg. | | | | | | | | | | |
| April, 2019 | PF | Benefits of deep ploughing of land, laser land leveler & rotavator etc. | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| May, 2019 | PF | Scientific methods of food grain storage structures. | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| June, 2019 | PF | Benefits of sprinkler & drip irrigation system | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Use care & maintenance of twice hand wheel hoe | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug., 2019 | PF | Application of renewable sources of energy | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Sept., 2019 | PF | Scientific methods of rain water harvesting structures | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Different sowing methods of rabi crops | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nov., 2019 | PF | Scientific methods of calibration of seed- cum fertilizer drill | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Dec., 2019 | PF | Use care & maintenance of aonla pricking machine | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Dec., 2019 | PF | Different methods of weed control in rabi crops | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Jan., 2020 | PF | Processing technology of milk & its products | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Feb., 2020 | PF | Safe operation care & maintenance of thresher & benefits of custom hiring | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| March, 2020 | PF | Scientific use of micro irrigation system under horticultural crops | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| March, 2020 | PF | Benefits of safe storage moisture content & marketing of food grains | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Home Sc. | | | | | | | | | | |
| April, 2019 | PF | Value addition on beilgiri | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| May, 2019 | PF | Income generating activities for empowerment of rural women through detergent making | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| May, 2019 | PF | Empowerment of farm women through candle & craft making | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| June, 2019 | PF | Importance and preparation of poshak ahaar for children. | 01 | 0 | 15 | 15 | 0 | 5 | 5 | 20 |
| July, 2019 | PF | Value addition on mango | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Aug., 2019 | PF | Value addition on teent | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Sept., 2019 | PF | Empowerment of farm women through candle & craft making | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Oct., 2019 | PF | Importance of kitchen gardening for farm women | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Nov., 2019 | PF | Skill development on milk & milk products | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Nov., 2019 | PF | Value addition on Bajra & its products | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Dec., 2019 | PF | Value addition in Aonla | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Dec., 2019 | PF | Value addition in Aonla | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Jan., 2019 | PF | Value addition on winter fruits & vegetables | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Jan., 2020 | PF | Value addition on winter fruits & vegetables | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Feb., 2020 | PF | Value addition on winter fruits & vegetables | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| March, 2020 | PF | Importance of kitchen gardening for farm women | 01 | 0 | 10 | 10 | 0 | 05 | 05 | 15 |
| Plant Protection | | | | | | | | | | |
| July, 2019 | PF | Management of bacterial leaf blight in guar | 01 | 0 | 15 | 15 | 0 | 05 | 5 | 20 |
| Aug., 2019 | PF | Disease management in cotton | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Aug., 2019 | PF | Disease management in bajra | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Oct., 2019 | PF | Pest management in mustard | 01 | 0 | 15 | 15 | 0 | 05 | 05 | 20 |
| Agricultural Extension | | | | | | | | | | |
| April, 2019 | PF | Formation & management of SHG/farmers club | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| June, 2019 | PF | Rural development programmes: Information networking | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| July, 2019 | PF | Record keeping in agriculture & dairying | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |

| | | | | | | | | | | |
|--------------------|----|---|----|----|---|----|----|---|----|----|
| Aug., 2019 | PF | Leadership development in SHG/farmers club | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Oct., 2019 | PF | Role of IT & print media in agriculture & dairying | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Nov., 2019 | PF | Formation & management of SHG/farmers club | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Jan., 2020 | PF | Record keeping in agriculture & dairying | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Feb., 2020 | PF | Role of IT & print media in agriculture & dairying | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Fisheries | | | | | | | | | | |
| | PF | | | | | | | | | |
| Soil health | | | | | | | | | | |
| May, 2019 | PF | Enhancement of soil fertility & scientific method for collection of soil & water samples through soil health campaign | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| June, 2019 | PF | Scientific method for enhancement of soil fertility and kharif crop production through organic manure & bio fertilizer | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| July, 2019 | PF | Scientific method for reclamation of sodic water & soil through gypsum bed | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Aug., 2019 | PF | Diagnosis for deficiency symptoms of nutrients and their reclamation in kharif crops through foliar spray of water soluble fertilizer | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Sept., 2019 | PF | Improvement of soil fertility and rabi crop production using bio fertilizer and organic manure | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Oct., 2019 | PF | Scientific method for nutrient management in mustard through INM | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Nov., 2019 | PF | Scientific method for nutrient management in wheat | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Dec., 2019 | PF | Diagnosis for deficiency symptoms of nutrients and their reclamation through water soluble fertilizer in mustard | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Jan., 2020 | PF | Diagnosis for deficiency symptoms of nutrients and their reclamation through water soluble fertilizer in wheat | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Feb., 2020 | PF | Scientific method for nutrient management in vegetable crops | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| March, 2020 | PF | Scientific method for nutrient management in summer crops | 01 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |

ii) Vocational training programmes for Rural Youth

| Crop / Enterprise | Identified Thrust Area | Training title* | Month | Duration (days) | No. of Participants | | | SC/ST participants | | | G. Total |
|-------------------|------------------------------------|--|-----------------|-----------------|---------------------|----|----|--------------------|----|----|----------|
| | | | | | M | F | T | M | F | T | |
| Self employment | Rewinding of electric brunt motors | Electric motor rewinding | Dec 2019 | 30 | 10 | 0 | 10 | 05 | 0 | 05 | 15 |
| Self employment | Agro processing center | Micro processing technology of cereals, pulses, oil seeds & spices | Jan 2020 | 21 | 10 | 0 | 10 | 05 | 0 | 05 | 15 |
| Self employment | Mali Training | Mali Training | July-Sept. 2019 | 90 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Self employment | Mushroom Production technology | Mushroom Production technology | Sept. 2019 | 07 | 15 | 0 | 15 | 05 | 0 | 05 | 20 |
| Self employment | Income generating activities | Fruit & vegetable preservation | Jan. 2020 | 30 | -- | 10 | 10 | -- | 05 | 05 | 15 |
| Self employment | Income generating activities | Cutting & Stitching | Feb. 2020 | 21 | -- | 10 | 10 | -- | 05 | 05 | 15 |

iii) Training programme for extension functionaries

| Date | Clientele | Title of the training programme | Duration in days | No. of participants | | | Number of SC/ST | | | G. Total |
|------------------|-----------|--|------------------|---------------------|---|----|-----------------|---|---|----------|
| | | | | M | F | T | M | F | T | |
| On Campus | | | | | | | | | | |
| June, 2019 | ADO | Scientific use of renewable sources of energy | 01 | 20 | 0 | 20 | 5 | 0 | 5 | 25 |
| Oct., 2019 | ADO | Use care & maintenance of ZT drill , laser land leveler, thresher etc. | 01 | 20 | 0 | 20 | 5 | 0 | 5 | 25 |
| Oct., 2019 | ADO | Enhancement of rabi crops production through INM | 01 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |

iv) Sponsored programme

| Discipline | Sponsoring agency | Clientele | Title of the training programme | No. of course | No. of participants | | | Number of SC/ST | | | G. Total |
|---|-------------------|-----------|---------------------------------|---------------|---------------------|---|---|-----------------|---|---|----------|
| | | | | | M | F | T | M | F | T | |
| a) Sponsored training programmes | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | Total | | | | | | | | |
| b) Sponsored research programmes | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | Total | | | | | | | | |
| c) Any special programmes | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | Total | | | | | | | | |