# Annual Action Plan 2022-23

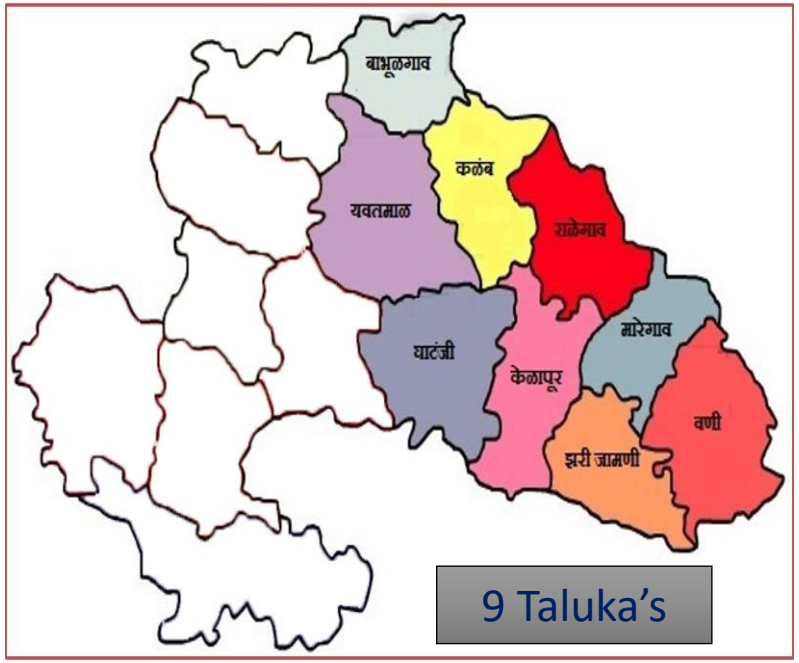

***Presented By:***

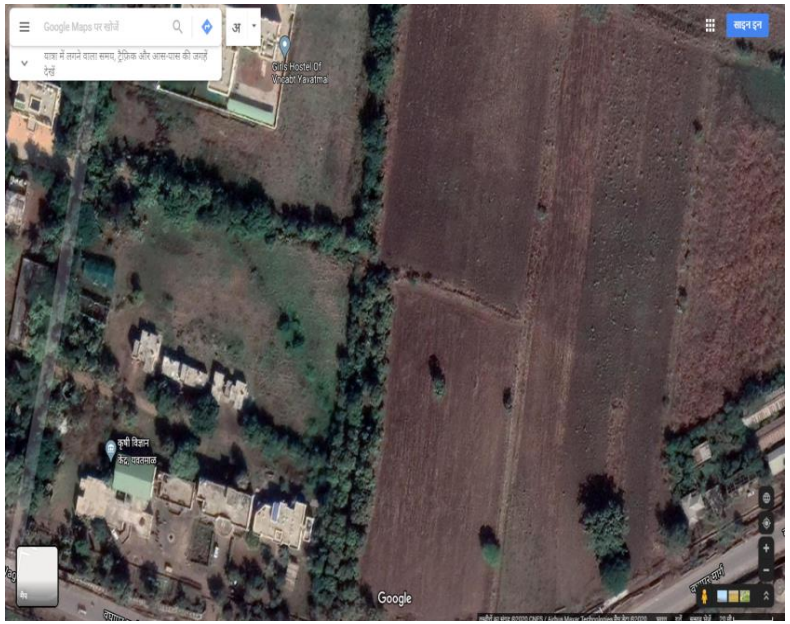
***Dr. S. U. Nemade***

***Senior Scientist & Head***

***KVK, Yavatmal- I***

## KVK Jurisdiction (09 block)




| District Profile | |
|---|---|
| Geographical area | 13,51,966 hectare |
| Cultivable area | 9,60,500 hectare |
| Area under Forest | 2,03,147 hectare |
| Area under Kharif Crop | 9,01,997 hectare |
| Area under Rabi Crop | 1,15,010 hectare |
| Area under Summer Crop | 7,000 hectare |
| Rainfed Area | 8,37,946 hectare (7 to 8 % irrigated) |
| Marginal (Less than 1.00 ha) | 28,640 (6.86 %) |
| Small (1.00 to 2.00 ha) | 1,61,227 (38.63 %) |
| Large (More than 2.00 ha) | 2,27,535 (54.51 %) |
| Total Taluka's | 16 |
| Minimum temp | 9.4 $^{0}$C |
| Maximum temp | 47 $^{0}$C |
| Average Rain fall | 911. 3 mm |
| Actual Rain fall | 1076.9 mm (134 %) |
| Number of rainy days | 57 |

# Information about major crops, cropping systems, enterprises and technical staff available in KVK

## Major crops and enterprises :

**Kharif**
Cotton,, Soybean, Tur, Sorghum,
Green gram, Black gram

**Rabi /Summer**
: Wheat, Chickpea, Rabi Sorghum, Summer Groundnut, Sesame & Sugar cane

## Cropping systems :

| SN | Farming Situation | Cropping System exists |
|---|---|---|
| 1 | Medium to heavy soils, rainfed area | Cotton – fallow<br>Soybean – Chick pea<br>Jower - Wheat – fallow s |
| 2 | Light to medium soils, command area and well irrigation | Citrus – vegetable (Intercrop)<br>Cotton – fallow<br>Red gram – fellow<br>Soybean – Chick pea |
| 3 | Mostly Rainfed Medium to heavy soils, Surrounded by forest. | Soybean – fallow<br>Cotton – fallow<br>Soybean – Chick pea |
| 4 | Light to heavy soils, irrigation through wells, Horticulture crop pocket | Citrus – Vegetable (Intercrop)<br>Cotton – Fallow<br>Soybean- Fallow |
| 5 | Mostly rainfed light to Medium soils | Cotton – fallow<br>Soybean – Chick pea<br>Soybean – Wheat |

## Major farming system:

| Major farming system | Micro Farming systems |
|---|---|
| Agriculture crops | Agri + Horti + Dairy |
| Rainfed Cotton | Agri + Dairy |
| Rainfed Soybean | Agri + Goat farming |
| Rainfed Jawar | Agri + Sericulture |
| Irrigated Wheat | Agri + Horticulture |
| Irrigated Gram | Agri. + Horti. + Poultry |
| Irrigated Summer Groundnut, Sesamum, Rabi Jawar | **Major production systems** |
| **Major Intercropping systems** | Cotton – Chick pea |
| Cotton + Pigeon pea (8:1) (12:2) | Cotton – Wheat |
| Soybean + Pigeon pea (10:1)(5:1) | Soybean – Wheat |
| | Soybean – Chick pea |
| | Soybean – Rabi Jawar |
| | Soybean – Summer Groundnut |
| | Hy. Jawar – Wheat |
| | Hy Jawar – Chick pea |
| | Turmeric |

# Staff available in KVK (as on 30.06.2022)

| Sl. No. | Sanctioned post | Name of the incumbent | Designation | Discipline |
|---|---|---|---|---|
| 1 | Programme Coordinator | Dr. S.U. Nemade | Senior Scientist & Head | Agronomy |
| 2 | Subject Matter Specialist | Vacant | S.M.S. | Agronomy |
| 3 | Subject Matter Specialist | Vacant | S.M.S. | Home Science |
| 4 | Subject Matter Specialist | Vacant | S.M.S. | A.H. D.S. |
| 5 | Subject Matter Specialist | Shri M.B. Dhole | S.M.S. | Extension Education |
| 6 | Subject Matter Specialist | Dr. P. N. Magar | S.M.S. | Plant Prot. |
| 7 | Subject Matter Specialist | Dr. S.S.Wane | S.M.S. | Agri. Engg. |
| 8 | Programme Assistant | Shri V.D.Rathod | Programme Assistant (Lab) | -- |
| 9 | Computer Programmer | Shri R.M.Deshmukh | Programme Assistant (Computer) | -- |
| 10 | Farm Manager | Shri K.D.Shirsat | P.A.(Farm) | -- |
| 11 | Accountant / Superintendent | Shri P. N. Ramteke | ASO | __ |
| 12 | Stenographer | Shri L.S. Gaikwad | Sr. Clerk | -- |
| 13 | Driver | Shri A.R.Kadu | Driver Cum Mechanic | -- |
| 14 | Driver | Shri V.B.Borse | Driver Cum Mechanic | -- |
| 15 | Supporting staff | Ku. Ashwini Mahurkar | Skill Helper | -- |
| 16 | Supporting staff | Shri. Bharatshing Sulane | Skill Helper | -- |

1. Increase sustainability in Production, productivity & reduce cost of cultivation with improving soil health.
2. Crop pest surveillance & timely advisory
3. Entrepreneurship development through subsidiary business – Vermi Compost, Apiculture, Sericulture, Gotary, Poultry & value addition.
4. Farm mechanization – Crop residue management
5. In- situ moisture conservation- BBF
6. Promote organic farming, production & use of Bio pesticide & FPO's

# Summary of Action Plan



| S. No | Activity | No. of Programmes | No. of Participants | | |
|---|---|---|---|---|---|
| | | | Male | Female | Total |
| 1 | On Farm Trials | 06 | 30 | 07 | 37 |
| 2 | Front Line Demonstration | 06 | 49 | 02 | 51 |
| 3 | Cluster Front Line Demonstrations (O & P) | Oilseed -2<br>Pulses-2 | 41<br>82 | 09<br>18 | 50 (O)<br>100 (P) |
| 4 | Training Programmes | 52 | 1210 | 503 | 1713 |
| 4.1 | Farmers / Farm Women | 28 | 722 | 326 | 1048 |
| 4.2 | Rural Youth | 15 | 288 | 107 | 395 |
| 4.3 | Extension Functionaries | 09 | 200 | 70 | 270 |
| 5 | Extension Activities (Major) | 12 | 2182 | 1103 | 3285 |
| | Total | 83 | 3719 | 1703 | 5422 |

# ON FARM TRIALS

No. of OFTs
6

| | |
|---|---|
| Title of OFT | Assess the performance of different Soybean variety suitable for Yavatmal District. |
| Problem Identified | The old variety like. JS-335/ JS-9305 was highly susceptible due to diseases and pest attack that adversely affect on the yield and increasing management cost. |
| Objectives | To assess the performance of soybean Variety suitable for Yavatmal district. |
| Micro-farming Situation | Sole Crop |
| Treatments | $T_1$: Farmer Practice (Used JS-9305) / JS-335 |
| | $T_2$: Phule Sangam (KDS-726) |
| | $T_3$: PDKV Amba (AMS-100-39) |
| No. of Trials | 07 (0.4 ha. Each) |
| Source of Technology | JNKV, Jabalpur (2002), MPKV, Rahuri (2016), Dr. PDKV, Akola (2020) |
| Critical Inputs to be used and its cost in Rs. | Seed (Rs. 25200/-) & Bio fertilizer (Rs 1050/- ) Total Rs. 26250/- |
| Observations to be recorded | Plant Height, No. of Pod Per plant, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Village | Kalamb/Ghatanji Talukas |

| | |
|---|---|
| Title of OFT | Assess the productivity of Chick pea by use of PGR spray. |
| Problem Identified | Low productivity of chick pea due to imbalance nutrient management. Lack of knowledge about PGR and ICM practices. |
| Objectives | To assess the performance of Gibberellic acid 90% a.i application at flowering and pod development stage. |
| Micro-farming Situation | Sole crop. |
| Treatments | $T_1$: Farmers practice (No use of PGR, not follow seed treatment & balanced nutrient) |
| | $T_2$: Foliar application of 1% Humic acid at flowering and pod development stage. |
| | $T_3$: Two spray of gibberellic acid 90% a.i. @ 15 ppm (8.3 g per ha) at flowering and pod development stage with integrated crop management. |
| No. of Trials | 07 (0.4 ha. Each) |
| Source of Technology | Dr. PDKV, Akola (2020) |
| Critical Inputs to be used and its cost in Rs. | Gibberellic acid 90% . Cost of input 5600/- (Rs 800/ Trial) |
| Observations to be recorded | Plant Height, No. of Pod per plant, Seed Yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Village | Babhulgaon Taluka |

| | |
|---|---|
| Title of OFT | Management of Wilt in Pigeon pea |
| Problem Identified | Since recent year wilt incidence in Pigeonpea was found to be severe in Yavatmal District, resulted in yield reduction |
| Objectives | 1) To minimize the incidence of Wilt in Pigeonpea.<br>2) To show the comparative performance of assessed technology and farmers practice |
| Micro-farming Situation | Rainfed farming under medium to black soil |
| Treatments | Farmers Practice (T1) : No seed treatment |
| | Assessed Practice (T2) : Seed treatment with Carboxin 37.5% + Thirum 37.5% WS @ 3 gm per Kg seed |
| | Assessed Practice (T3) : Seed treatment with Carboxin 37.5% + Thirum 37.5% WS @ 3 gm fb Seed treatment with Trichoderma viride @ 10 gm per Kg seed |
| No. of Trials | 07 |
| Source of Technology | Dr.PDKV, Akola 2017 |
| Critical Inputs to be used and its cost in Rs. | Carboxin 37.5% + Thirum 37.5% WS and Trichoderma viride and Rs. 10000/- |
| Observations to be recorded | Per cent infestation, yield (q/ha) |
| Additional information if any | |

| | |
|---|---|
| Title of OFT 2 | Management of Wilt in Chickpea |
| Problem Identified | Incidence of wilt disease in chickpea was noticed in a district |
| Objectives | 1) To minimize the incidence of Wilt in chickpea.<br>2) To show the comparative performance of assessed technology and farmers practice. |
| Micro-farming Situation | Irrigated farming under medium to black soil |
| Treatments | Farmers Practice (T1) : No seed treatment |
| | Assessed Practice (T2) : Seed treatment with Carboxin 37.5% + Thirum 37.5% WS @ 3 gm fb Seed treatment with Trichoderma @ 10 gm per Kg seed |
| | Assessed Practice (T3) : Seed treatment with Carboxin 37.5% + Thirum 37.5% WS @ 3 gm fb Seed treatment with Trichoderma @ 10 gm per Kg seed & soil application of Trichoderma 5 kg/ ha 10 days before sowing |
| No. of Trials | 7 |
| Source of Technology | Dr.PDKV, Akola and NAU, Gujarat |
| Critical Inputs to be used and its cost in Rs. | Carboxin 37.5% + Thirum 37.5% WS and Trichoderma viride and<br>Rs. 15000/- |
| Observations to be recorded | Per cent infestation, Yield (q/ha) |

# Implements :- Tractor operated Stubble Collector



| | |
|---|---|
| Title of OFT | Performance of Tractor operated Stubble Collector developed by PDKV, Akola in Yavatmal Distirct |
| Problem Identified | Collecting stubbles is laborious job and there is Scarcity of labours. |
| Objectives | To asses the suitability of stubble collector for collecting the crop residues like cotton and other crops. |
| Micro-farming Situation | Rainfed |
| Treatments | Farmers Practice (T1) : Local practice (Manually ) |
| | Assessed Practice (T2) : Tractor drawn stubble collector |
| No. of Trials | 07 |
| Source of Technology | Dr. PDKV Akola (Joint Agrosco 2019) |
| Critical Inputs to be used and its cost in Rs. | Tractor operated Stubble Collector-Rs. 20,000/- |
| Observations to be recorded | - Field capacity (ha/hr), - Fuel Consumption(lit/ha)<br>- Cost of Operation (Rs./ha) |

# Implements :- Drip Irrigation



| | |
|---|---|
| Title of OFT | Performance of drip irrigation at 80% Evapotranspiration in replenishment with polythene mulch (Silver color and 50 micron thickness) in chilli Crop. |
| Problem Identified | High water requirement and low productivity of chilli. |
| Objectives | To asses the suitability of drip irrigation with polythene mulch of silver color and 50 micron |
| Micro-farming Situation | Rabi 2022-23 |
| Treatments | Farmers Practice (T1) - Surface irrigation Method |
| | Assessed Practice (T2) - Drip irrigation system |
| | Assessed Practice (T3 ) - Drip with Mulch |
| No. of Trials | 07 |
| Source of Technology | Dr. PDKV Akola (Joint Agrosco 2018) |
| Critical Inputs to be used and its cost in Rs. | Silver color and 50 micron thickness<br>Rs. 30000/- |
| Observations to be recorded | Water Requirement, Labour requirement, Yield Kg/ha |

# Cluster Front Line Demonstration

No. of CFLDs
4

# CFLD : Oilseeds & Pulses



| Crop | Season | Purpose of demonstration | Farming situation | Variety | Area (ha) | No. of demo | Critical Inputs Identified | Cost of critical inputs (Rs) | Parameters of observation |
|---|---|---|---|---|---|---|---|---|---|
| **Oilseeds** | | | | | | | | | |
| Soybean | Kharif 2022 | Integrated Crop Management Practices (ICM) in Soybean variety: YELLOW GOLD (AMS-1001) | Rainfed | YELLOW GOLD (AMS-1001) | 10 | 25 | Seed & Bio fertilizer | Seed: 108750/-, Bio Fertilizer : 1250/-, Total :- 1,10,000/- (Rs 4400/- Demo) | Plant Height, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Sesame | Summer 2022 | To demonstrate the new high yielding improved variety suitable for Summer Season. | Irrigated | PKV NT-11 | 10 | 25 | Seed | Seed: 12,500/- (Rs 500/- Demo) | Plant Height, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| **Pulses** | | | | | | | | | |
| Pigeon pea | Kharif 2022 | To demonstrate the new high yielding, Mid late Variety Resistant to Sterility & Wilting | Rainfed | BDN-716 | 20 | 50 | Seed, Bio fertilizer & Trichoderma | Seed: 30000/-, Bio Fertilizer : 10250/- Total :- 40250/- (Rs 805/- Demo) | Plant Height, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Chick pea | Rabi 2022 | To demonstrate the new high yielding, bold seeded variety of chickpea & balance use of nutrients with area spray on the yield of chickpea | Rainfed | AKG 1109 (PDKV Kanchan) | 20 | 50 | Seed, Rhizobium, PSB & Trichoderma | Seed:1,20,000/- Bio fertilizer: 2500/- Total 1,22,500/- (Rs 2450/- Demo) | Plant height, No. of Pod per plant, Grain yield & B:C ratio |

# Front Line Demonstration

No. of FLDs
5

# Other than CFLD



| Crop | Season | Purpose of demonstration | Farming situation | Area (ha) | No. of demonstrations | Critical Inputs Identified | Cost of critical inputs (Rs) | Parameters of observation |
|---|---|---|---|---|---|---|---|---|
| Oilseeds Soybean | Kharif | Management of Stem fly and Girdle beetle in Soybean | Rainfed farming under medium to black soil | 5.2 | 13 | Thiamethoxam 30% FS , 5% NSKE , Thiamethoxam 12.6% + Lamda cyahalothrin 9.5% | Rs. 16000/- | Per cent infestation, yield (q/ha) |
| Cotton | Kharif | Management of pink bollworm in cotton | Rainfed farming under medium to black soil | 5.2 | 13 | Trichogrammatoidea bactrae @ 1 lakh eggs/ hectare | Rs. 12000/- | Per cent pink bollworm infestation, yield (q/ha) |

# Agril. Implements



| Name of the implement to be demonstrated | Farming situation | Purpose of demonstration | Month of implementation | Area to be covered (ha) | No. of farmers to be covered | Critical Inputs Identified | Cost of critical inputs (Rs) | Parameters of observation |
|---|---|---|---|---|---|---|---|---|
| Kisan Drone | Kharif | To reduce time of spraying | Aug- Sept 2022 | 2 | 05 | Kisan Drone | -- | Time required hr, Yield, Kg/ha |
| Borewell Recharging | - | To increase water level in the borewell | Jan 2023 | - | 02 | Borewell Recharging Unit | 30000/- | Water Level, m |
| Drip lateral Coiler | Rabi | To reduce time of lateral coiling -To increase the life of laterals | Feb 2023 | 4 | 10 | Drip lateral Coiler | 10000/- | Time Required , hrs. |

# Training programme



| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| A. | For PF | | | | | | |
| | October 2022 | Different sources to access the information on Agriculture | On + OFF | 01 | 48 | 32 | 80 |
| | May 2022 | Organizing Method Demonstrations | On + OFF | 01 | 50 | 20 | 70 |
| B. | For RY | | | | | | |
| | June 2022 | Seed production technology in different field crops | On + OFF | 01 | 32 | 08 | 40 |
| | Oct 2022 | Improved technique of organic farming & method of preparation organic manure | On + OFF | 01 | 33 | 12 | 45 |
| | July 2022 | Contingency crop planning during Kharif | On + OFF | 01 | 33 | 12 | 45 |
| C. | For EF | | | | | | |
| | June 2022 | Soil preparation | OFF Campus | 01 | 30 | 10 | 40 |
| | | | Total | | 226 | 86 | 320 |

# Training programme



| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| A. | For PF | | | | | | |
| | May-22 | Importance of bee keeping | On + OFF | 01 | 25 | 15 | 40 |
| | June-22 | Safe use of pesticides and Importance of Seed treatment in pest and disease management | OFF Campus | 01 | 25 | 15 | 40 |
| | July-22 | Safe use of pesticides and IPM in cotton, Soybean | OFF Campus | 01 | 25 | 15 | 40 |
| | Aug-22 | Integrated Pest Management in Cotton and boll rot management | On + OFF | 01 | 25 | 15 | 40 |
| | Nov-22 | Pest and Disease management in fruit crops | OFF Campus | 01 | 25 | 15 | 40 |
| | Dec-22 | Pest management in vegetables | | | 25 | 15 | 40 |
| | Jan-22 | Pest management in chickpea | On + OFF | 01 | 25 | 15 | 40 |
| B. | For RY | | | | | | |
| | May-22 | Importance of bee keeping | OFF Campus | 01 | 25 | 15 | 40 |
| C. | For EF | | | | | | |
| | June-22 | IPM in cotton, Soybean, Pigeonpea and safe use of pesticides | OFF Campus | 01 | 25 | 15 | 40 |
| | | | Total | | 225 | 135 | 360 |

# Training programme



| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| A. | For PF | | | | | | |
| | October 2022 | Installation and maintenance of micro irrigation systems | On + OFF | 01 | 48 | 32 | 80 |
| | September 2022 | Use of Plastics in farming practices | OFF Campus | 01 | 50 | 20 | 70 |
| | June 2022 | Production of small tools and implements | OFF Campus | 01 | 30 | 10 | 40 |
| | July 2022 | Repair and maintenance of farm machinery and implements | On + OFF | 01 | 32 | 08 | 40 |
| | November 2022 | Small scale processing and value addition | OFF Campus | 01 | 32 | 08 | 40 |
| | December 2022 | Post Harvest Technology | On + OFF | 01 | 30 | 10 | 40 |
| B. | For RY | | | 01 | 33 | 12 | 45 |
| | January 2023 | Repair and maintenance of implements | OFF Campus | 01 | 30 | 10 | 40 |
| C. | For EF | | | | | | |
| | February 2023 | Watershed Management | OFF Campus | 01 | 30 | 10 | 40 |
| | | | Total | | 395 | 120 | 435 |

# Training programme



| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| A. | For PF | | | | | | |
| | June 2022 | capacity building of Group Commodity | On | 01 | 20 | 15 | 35 |
| | July 2022 | Importance of Farmer Producer Company for SHG's groups | Off | 01 | 23 | 13 | 36 |
| | August 2022 | Different sources to access the information on Agriculture | Off | 01 | 28 | 12 | 40 |
| | August 2022 | Organizing Method Demonstrations | On | 01 | 25 | 10 | 35 |
| B. | For RY | | | | | | |
| | October 2022 | Small Scale Entrepreneurship development among the Youth | On | 01 | 15 | 15 | 30 |
| | December 2022 | Knowledge of Govt. Scheme for Self Employment for rural youth | Off | 01 | 20 | 10 | 30 |
| C. | For EF | | | | | | |
| | August 2022 | Multimedia Communication | On | 01 | 25 | 10 | 35 |
| | Nov 2022 | Role of Extension Worker in dissemination of Technology | On | 01 | 25 | 10 | 35 |
| | | | Total | | 181 | 95 | 176 |

# Major Extension Activities



| S. N | Major Extension Activities | No. of activities | Proposed date /week | Venue | participants |
|---|---|---|---|---|---|
| 1 | Field Day | 05 | November 22, February 22, May 22 | Off Campus | 160 |
| 2 | Farmer scientist Interaction | 04 | June & September 2022 | On+ Off | 410 |
| 3 | Kisan Goshthi | 10 | June to December 2022 | On+ Off | 240 |
| 4 | Exhibition (Participation) | 02 | March to December 2022 | On+ Off | 1600+ |
| 5 | Film Show | 01 | August 2022 | Off Campus | 150 |
| 6 | Farmers Seminars | 01 | May 2022 | On+ Off | 50 |
| 7 | Workshop | 08 | March to December 2022 | On+ Off | 350 |
| 8 | Group meetings | 05 | January to December 2022 | On+ Off | 310 |
| 9 | Animal Health Camp | 01 | September 2022 | On+ Off | 100 |
| 10 | Pre Kharif Kisan Mela | 01 | May 2022 | On Campus | 90 |
| 11 | Pre Rabi Kisan Mela | 01 | September 2022 | On Campus | 100 |
| 12 | World soil day | 01 | December 2022 | Off Campus | 120 |

# Proposed Plan of Development



- **Renovation of different Demo Unit**
  1. Azolla Unit.
  2. Hydroponic Unit.
  3. Goatry Unit.
  4. Vermicompost Unit.
  5. Soil Testing Unit.
  6. Bee Keeping unit.
  7. Bio Control Lab.
  8. Millet Processing unit.
  9. Solar Tunnel Dryer unit.
  10. Implements Park.
  11. Training Hall (Renovation)

- **Establishment of Instructional farm.**
  1. Farm Pond.
  2. Generate Irrigation Facility.
  3. Need to Farm Fencing.
  4. Crop Cafeteria.
  5. Custard Apple, Acid lime & Drum stick plantation.
  6. Farm Mechanization- Sprayer Assembly
  7. Drone Demonstration
  8. Seed Production Programme.

- **Proposed to Establish Bio fertilizer production unit.**
- **Proposed to Establish Nursery unit**
- **Proposed to Establish Biomass processing unit. (Pallet Making Machine)**
- **Proposed to Establish Mushroom production unit.**

- **Awareness and linkages of Extension Activities.**
  1. Public Private Partnership (AFARM, AFPRO, Reliance, UMED, all Line Dept.)
  2. Argo Advisory (SMS, Voice Massages, What's app Group, News. Monthly Sandesh)
  3. Collection of 5000 farmer profile data

# Demonstration Units



Soil Testing Lab

Bee Keeping unit

Triachogramma unit

# Demonstration Units

**Action Plan 2022-23**

Sericulture unit


Crop Cafeteria


Instructional farm


Implements park

Crop Cafeteria


Goat unit

Azolla unit

Vermi compost unit

Botanical pesticide production unit

# Demonstration Unit



| Name of the demonstration unit | Name of the product | Production target for the year 2022 | Net profit expected (Rs) | Remarks if any |
|---|---|---|---|---|
| Dairy | Hydroponic | -- | -- | -- |
| Gotary | Goat | 2 goat | 18,000 | -- |
| Vermicompost | Vermi culture | 35 kg | 8,000 | Based on farmers demand |
| Sericulture | Sampling | 20,000 | 6,000 | -- |
| Others, | Azolla culture | 150 kg | 7,000 | -- |
| | Bee Keeping | 10 kg | 3,000 | |

# Instructional Farm



**Total land with KVK : 11.47 ha**

**Land under cultivation : 09.87 ha**

| S. No. | Name of crop | Area (ha) | Variety | Date of sowing / Planting | Date of harvest | Expected yield (q) |
|---|---|---|---|---|---|---|
| 1 | Soybean | 4.5 | AMS-100-39 (PKKV Amba) | 27-28 June 2022 | Last week of September 2022 | 45 |
| 2 | Soybean | 2.00 | AMS-MB-5-18 (Suvarna Soya) | 1-2 July 2022 | Last week of September 2022 | 15 |
| 3 | Soybean | 2.00 | AMS-1001 (PDKV Yello Gold) | 2-3 July 2022 | Last week of September 2022 | 15 |
| 4 | Sesame | 0.50 | AKT-64 | 26 June 2022 | Last Week of September 2022 | 02 |
| 8 | Crop cafeteria | 0.50 | Millet & Cotton Crop | 26 June 2022 | Last week of September 2022 | -- |

# Sponsored Project



| S.No. | Name of the agency / scheme | Name of activity | Technical programme with quantification | Financial outlay (Rs.) | Names of the team members involved |
|---|---|---|---|---|---|
| 1 | "IRM: Dissemination of Pink bollworm management strategies" | Training programme | -- | 6,20,000 | Dr. S. U. Nemade<br>Dr. P. N. Magar |
| 2 | **PROJECT BANDHAN-2.0** | **Pink Bollworm Management Technology** | -- | -- | Dr. S. U. Nemade<br>Dr. P. N. Magar |

*Action Plan 2022-23*

# Details of activities planned in DFI villages

| Name of DFI village selected | Total No. of families in the village | Interventions planned during 2021 | No. of families to be covered under the intervention | Present annual income of the family (Rs/annum) | Expected annual income of the family after intervention (Rs/annum) |
|---|---|---|---|---|---|
| Shiroli | 766 | OFT, FLD & Training | 15 | 95,000/- | 1,10,000/- |
| Murali | 479 | OFT, FLD & Training | 40 | 1,05,000/- | 1,25,000/- |
| Papad | 773 | Organic Farming | 20 | 83,000/- | 1,03,000/- |
| Udarani | 154 | Subsidiary business | 20 | 1,09,000/- | 1,29,000/- |
| Rampur | 151 | OFT, FLD & Training | 20 | 1,16,000/- | 1,30,000/- |

# FPOs



| No. of new FPOs / FPCs to be formed (No. members) | No. of already formed FPOs / FPCs if any with major commodities (No. of members) | No. of farmers | Type of support to be provided by KVK |
|---|---|---|---|
| 01 (160) | Pulses processing (Dal mill) | 530 | Technical |
| | Organic Manure & Selling of Vermiculture | 450 | Technical |
| | Organic fertilizer& Selling of earth worms | 200 | Technical |

# IFS Models



## Propose IFS Models In adopted villages

| Name of adopted village | No. of IFS models identified | No. of IFS models developed | Major components and area of IFS models |
|---|---|---|---|
| Madani | 01 | 00 | Integrated Crop Management Livestock , Fish farming, Sericulture & IPM technology |
| Shivani | 01 | 00 | Farm Mechanization , Organic farming, Vermi compost, Dairy unit & Integrated Crop Management |

# Details of collaborative applied research projects planned if any

| Name of the research project | Funding agency | Collaborating organizations | Year of commencement |
|---|---|---|---|
| Biofertilizer production unit | ATMA | ATMA | 2022-23 |
| Bio mass Pallet Making | ICICI, Foundation, ATARI, Pune | ICICI, Foundation, | 2022-23 |
| Construction of 1 Farm pond | DSAO Yavatmal | DSAO Yavatmal | 2022-23 |
| Roof of water harvesting | ICICI Foundation | ICICI, Foundation, | 2022-23 |
| Kisan Drone Project | GOI, (ATARI Pune) | ATARI Pune | 2022-23 |


THANKYOU!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