# Annual Action Plan 2024-25


*Presented By:*

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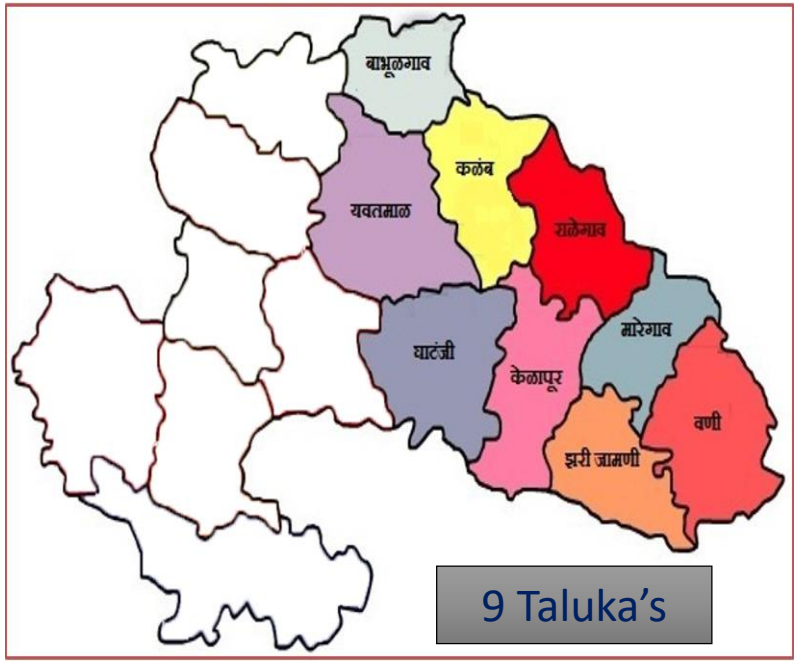
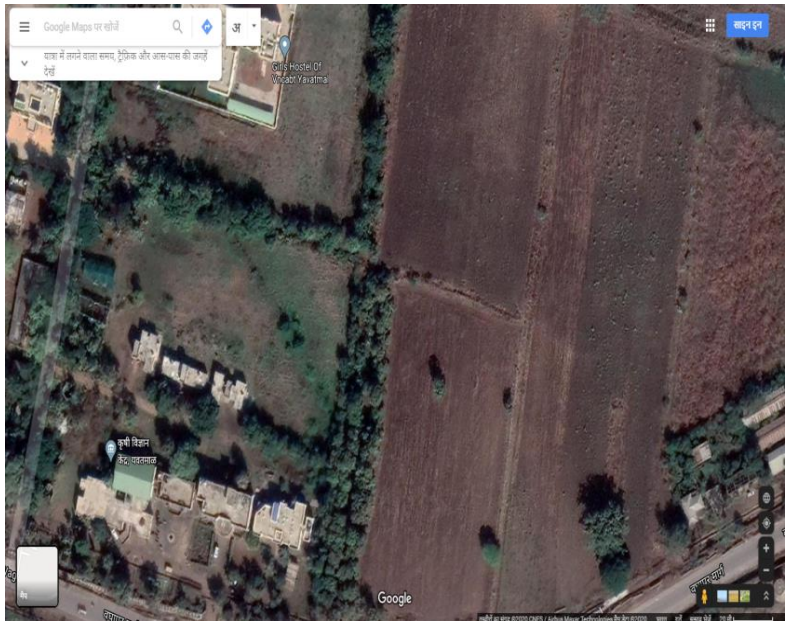
*KVK, Yavatmal- I*

## KVK Jurisdiction (09 Taluka)




| 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 | 8,88,725 hectare |
| Area under Rabi Crop | 1,69,909 hectare |
| Area under Summer Crop | 16,460 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 | 1473.5 mm (161 %) |
| 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 14.03.2024)

| 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. | Horticulture |
| 3 | Subject Matter Specialist | S. P. Bhagwat | S.M.S. | Home Science |
| 4 | Subject Matter Specialist | Dr. G. U. Kaluse | 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 | Er. R. T. Chavan | 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 | -- |

# New initiatives / highlights of action plan



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 – Vermicompost, Apiculture, Sericulture, Goatry, Poultry & Value addition in agro produce (Cereals -millets, vegetable, fruits, Milk, spices & condiments).
4. Farm mechanization – Crop residue management and Promotion of Agricultural Drone for Spraying
5. In- situ moisture conservation- BBF
6. Promote organic, Natural farming & use of Bio pesticide.
7. Capacity building of FPO's.
8. Create awareness & Promotion of Millet cultivation and their consumption
9. Successfully implemented Special Cotton Project on High Density Planting System over 491.5 acres area of cotton
10. Successfully implemented Project Bandhan on Mating disruption technology for the management of pink bollworm in cotton over 120 acres
11. Successfully conducted three (two days) residential training on natural farming

| Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|
| Cotton | 1. Pink Bollworm Management | Integrated Pest & Disease Management |
| Soybean | 1. Lack of suitable high yielding variety<br>2. In- situ moisture conservation<br>3. Stem fly & Girdle beetle Management | Varietal Evaluation<br>Integrated Crop Management & BBF Technology<br>Integrated Pest & Disease Management |
| Chick pea | Wilt Disease | Integrated Disease Management |
| Pigeon Pea | INM & their cultivation practice<br>Wilt & Phytopthora Disease | Integrated crop Management.<br>Integrated Disease Management |
| Back yard Poultry | Low egg yield & high mortality | Popularization of high eggs yielding variety |
| Farm implement | Late onset & early cessation of monsoon rains & prolonged dry spells during the crop period. | Popularizing in-situ soil Moistures conservation practices, paired row plantation, inter cropping and other dry land production technology. |
| Farm implement | Lack of mechanization.<br>Unavailability of improved tools, implements & machineries at local level. | Popularizing various small Agril. tools to reduce drudgery of farm women |

# District level Need assessment and planning



| Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|
| Cattle | Use of non conventional feeds into the concentrate for livestock.<br>Mineral supplementation through mineral block / uromol. | Up gradation of local breeds<br>Evaluation of Improved breeds |
| Buffalo | Use of Probiotic feed for increasing milk production.<br>Mineral supplementation through mineral block / uromol.<br>Performance of vaccination and deworming on health of livestocks. | Fodder cultivation for self sufficiency in feed & fodder<br>Identifying mineral Deficiency<br>Reducing the cost of feed due to enrichment |
| Goat | Concentrate feeding of advance pregnancy goat for reducing the mortality and weight gain in kids<br>Performance of home made concentrate on milk yield of livestocks. | Popularising Newly evolved Goatry, poultry & cattle breeds<br>Development of Para- veterinary workers |
| Poultry | Evolution of new breeds of poultryUse of cost reducing technolgy | Reducing the cost of feed due to enrichment<br>Evaluation of Improved breeds |

# District level Need assessment and planning



| Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|
| Human Nutrition & Health | Poor nutritional status of vulnerable groups i.e. children & rural women<br>Lack of knowledge about human nutrition and diet. | To increase nutritional status of rural family<br>Awareness of farming system for nutrition & nutritional gardening in rural area for their food & Nutrition security. |
| Drudgery in Agril work | Agril. Equipments are usually designed for men physical requirement. | Awareness regarding Drudgery reducing implements in household and farm activities for rural women. |
| Economical problems identified in rural area | Poor Socio economic status<br>Illiteracy | Awareness regarding various Income generating activities for economic empowerment. Through entrepreneurship development programme for generating self- employment.<br>Small Scale processing and value addition in agro commodities i.e. fruit and vegetables, spices & condiments, cereals & pulses, milk etc. |
| Communication & ITK's | Proper & Timely Communication<br>Proper Channel | Effective Transfer of Technology through Group Commodity |
| Enterprises | Subsidiary business | Entrepreneurship development of Farming Community/ Youth |
| | Develop Capacity building of Farmer/ Youth | Formation and Management of SHGs/FPO's, Leadership development |

# Summary of Action Plan



| S. No | Activity | No. of Programmes | No. of Participants | | |
|---|---|---|---|---|---|
| | | | Male | Female | Total |
| 1 | On Farm Trials | 12 | 80 | 28 | 108 |
| 2 | Front Line Demonstration | 08 | 82 | 100 | 182 |
| 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 | 115 | 2875 | 1357 | 4232 |
| 4.1 | Farmers / Farm Women | 93 | 2451 | 973 | 3424 |
| 4.2 | Rural Youth | 09 | 214 | 151 | 365 |
| 4.3 | Extension Functionaries | 13 | 210 | 233 | 443 |
| 5 | Extension Activities (Major) | 458 | 1,58,499 | 52,761 | 2,11,260 |
| | Total | 595 | 1,61,770 | 54,920 | 2,16,048 |

# Action Plan 2024



| Name | Designation & Discipline | OFT | CFLD/FLD | Farmer Training | In-service training |
|---|---|---|---|---|---|
| Dr. S. U. Nemade | Senior Scientist & Head/ Agromony | 2 | 4 | 25 (756) | 02 |
| S. P. Bhagwat | Subject Matter Specialist (Home Science) | 4 | 2 | 21 (670) | 02 |
| Dr. G. U. Kaluse | Subject Matter Specialist (AHDS) | 2 | 2 | 11 (930) | 01 |
| Dr. P. N. Magar | Subject Matter Specialist (Entomology) | 2 | 2 | 26 (1280) | 02 |
| Er. R. T. Chavan | Subject Matter Specialist (Agril Engg) | 2 | 2 | 11 (365) | 02 |
| Shri M.B. Dhole | Subject Matter Specialist (Extn Edu) | Impact study- 01 | | 09 (265) | 02 |

# ON FARM TRIALS

No. of OFTs
12

| | |
|---|---|
| Title of on-farm trial | Assess the performance of different Soybean variety suitable for Yavatmal District |
| Problem diagnosed | 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. |
| Farming situation | Sole Crop |
| Production system and thematic area | Varietal Evaluation |
| Farmers' practices | $T_1$: Farmer Practice (Used JS-9305) / JS-335 |
| Details of technologies selected for assessment Treatments | $T_2$: AMS-MB 5-18 (Suvarn soya)<br>$T_3$: PDKV Amba (AMS-100-39) |
| Source of technology | JNKV, Jabalpur (2002), Dr. PDKV, Akola (2019 & 2021) |
| No. of farmers | 07 |
| Area of each trial | (0.4 ha. Each) |
| No of trial | 07 |
| Critical input | Seed (Rs. 29400/-) & Bio fertilizer (Rs 700/-) |
| Performance indicators Observation to be recorded | Plant Height, Crop duration, No. of Pod Per plant, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Cost of input | Rs. 30100/- + (Training 10000/-) |
| Total cost | Rs. 40100/- |

| | |
|---|---|
| Title of on-farm trial | Assess the productivity of Chick pea by use of PGR spray |
| Problem diagnosed | Low productivity of chick pea due to imbalanced nutrient management. Lack of knowledge about PGR and ICM practices. |
| Farming situation | Sole crop. |
| Production system and thematic area | Integrated Crop Management |
| Farmers' practices | $T_1$: Farmers practice (No use of PGR, not follow seed treatment & balanced nutrient) |
| Details of technologies selected for assessment Treatments | $T_2$: Foliar application of 1% Humic acid at flowering and pod development stage.<br>$T_3$: 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. |
| Source of technology | Dr. PDKV, Akola (2020) |
| No. of farmers | 07 |
| Area of each trial | (0.4 ha. Each) |
| No of trial | 07 |
| Critical input | Gibberellic acid 90% . Cost of input 4830/- (Rs 800/ Trial) |
| Performance indicators Observation to be recorded | Plant Height, No. of Pod per plant, Seed Yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Cost of input | Cost of input 4830/- + (Training 10000/-) |
| Total cost | Rs. 14830/- |

| | |
|---|---|
| Title of on-farm trial | Management of Wilt in Pigeon pea |
| Problem diagnosed | Since recent year wilt incidence in Pigeonpea was found to be severe in Yavatmal District, resulted in yield reduction |
| Farming situation | Rainfed farming under medium to black soil |
| Production system, thematicarea | Integrated pest Management |
| Farmers' practices | $T_1$ : No seed treatment |
| Details of technologies selected for assessment Treatments | $T_2$: Seed treatment with Carboxin 37.5% + Thiram 37.5% WS @ 3 gm fb seed treatment with Trichoderma @ 4 g per kg seed<br>$T_3$: T1 + Soil application of Trichoderma 2 kg/ acre at sowing fb 30 and 60 DAS<br>$T_4$: T1+ Ridomil 0.2% spray at 30 & 60 DAS |
| Source of technology | Dr. PDKV, Akola |
| No. of trials | 07 |
| Area of each trial | (0.4 ha. Each) |
| Critical input | Carboxin 37.5% + Thirum 37.5% WS and Trichoderma viride and |
| Performance indicators Observation to be recorded | Per cent infestation, yield (q/ha) |
| Cost of input | Rs. 2000 per trial |
| Total cost | Rs. 14,000 |

| | |
|---|---|
| Title of on-farm trial | Management of Wilt in Chickpea |
| Problem diagnosed | Incidence of wilt disease in chickpea likely increasing in the district |
| Farming situation | Irrigated farming under medium to black soil |
| Production system, thematic area | Integrated Pest Management |
| Farmers' practices | (T1) : No seed treatment |
| Details of technologies selected for assessment Treatments | (T2) : Seed treatment with Carboxin 37.5% + Thirum 37.5% WS @ 3 gm fb Seed treatment with Trichoderma @ 10 gm per Kg seed<br>(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 |
| Source of technology | Dr. PDKV, Akola and NAU, Gujarat |
| No. of farmers/trial | 07 |
| Area of each trial | (0.4 ha. Each) |
| Critical input | Carboxin 37.5% + Thirum 37.5% WS and Trichoderma |
| Observation to be recorded | Per cent infestation, Yield (q/ha) |
| Cost of input | 10000/- per trial |
| Total cost | Rs. 7000/- |

| | |
|---|---|
| Crop/Enterprise | Livestock |
| Title of on-farm trial | Use of Balanced feeding ration in cow |
| Problem diagnosed | low milk yield of cow due to Poor Nutritional management |
| Production system and thematic area | Nutrition Management |
| Farmers' practices | T1 — Farmers Practice (Roughages + Concentrates ) |
| Details of technologies selected for assessment Treatments | T2-Roughages + Concentrates + Azolla 5% |
| Source of technology | Dept Animal Husbandry Dr PDKV, Akola 2011 |
| No. of farmers | 13 |
| Area of each trial | - |
| No of trial | 13 |
| Critical input | Azolla |
| Performance indicators Observation to be recorded | Average milk yield / day / cow |
| Cost of input | 3000 |
| Total cost | 39000 |

| | |
|---|---|
| Crop/Enterprise | Livestock |
| Title of on-farm trial | Supplementation of probiotic (Saccharomyces cervisiae) to Dairy Calf |
| Problem diagnosed | i) Low immunity<br>ii) High incidence of scours in calves<br>iii) Low dry matter intake |
| Production system and thematic area | Nutrition Management |
| Farmers' practices | T1 — Feeding of calf with locally available feeds &fodder/whole milk |
| Details of technologies selected for assessment Treatments | T2- T1 + Probiotic @ 20 g/cow/day X 60 days |
| Source of technology | ICAR-National Dairy Research Iinstitute, Karnal |
| No. of farmers | 13 |
| No of trial | 13 |
| Critical input | Probiotic (Saccharomyces cervisiae) |
| Performance indicators Observation to be recorded | Average Body Weight.<br>BCR |
| Cost of input | 6000 |
| Total cost | 42000 |

# Implements **CIAE Pneumatic Planter**



| | |
|---|---|
| Title of on-farm trial | Assessment of CIAE Pneumatic Planter in Yavatmal Distirct. |
| Problem diagnosed | Manual dibbling laborious job and there is Scarcity of labours. |
| Farming situation | Rainfed |
| Production system and thematic area | Farm Mechanization |
| Farmers' practices | (T1) : Manual Diblling |
| Details of technologies selected for assessment Treatments | (T2) : CIAE Pneumatic Planter |
| Source of technology | CIAE BHOPAL |
| No. of farmers | 13 |
| Area of each trial | 0.4 Ha |
| No of trial | 13 |
| Critical input | CIAE Pneumatic Planter and Diesel For tractor |
| Performance indicators Observation to be recorded | Field capacity (ha/hr), -<br>- Cost of Operation (Rs./ha) |
| Cost of input | - |
| Total cost | 25000/- |

# Implements :- Precision Seed Planter Tool



| | |
|---|---|
| Crop/Enterprise | Implements :- Precision Seed Planter Tool |
| Title of on-farm trial | Performance of Precision Seed Planter Tool developed by CIAE Bhpoal |
| Problem diagnosed | Sowing and Dibbling is laborious job and there is Scarcity of labours. |
| Farming situation | Rainfed |
| Production system and thematic area | Farm Mechanization |
| Farmers' practices | (T1) : Manual Dibbling |
| Details of technologies selected for assessment Treatments | (T2) : Precision Seed Planter Tool |
| Source of technology | CIAE Bhpoal |
| No. of farmers | 13 |
| Area of each trial | 0.4 Ha |
| No of trial | 13 |
| Critical input | Precision Seed Planter Tool |
| Performance indicators Observation to be recorded | Field capacity (ha/hr),<br>- Cost of Operation (Rs./ha) |
| Cost of input | 7000/- |
| Total cost | 10000/- |

# Enterprise :- Household food & nutrition security



| | |
|---|---|
| Title of on-farm trial | Assessment of the nutritional & health status of the farm family adopted under Farming system for nutrition approach model |
| Problem diagnosed | Malnutrition of various nutrients |
| Production system and thematic area | Household food & nutrition security |
| Farmers' practices | Farmers Practice (T1) Mono cropping system (Sole Crop) |
| Details of technologies selected for assessment Treatments | Assessed Practice (T2) Farming system for nutrition approach model / intercropping |
| Source of technology | MSSRF, Chennai |
| No. of farmers | 7 |
| Area of each trial | 0.40 Ha |
| No of trial | 14 |
| Critical input | Bio-fortified seed of various millets, Legumes, Oilseed vegetable seed & seedlings , Fruit plantation, poultry birds |
| Performance indicators Observation to be recorded | ▪Production of crops Consumption pattern<br>▪Health & Nutritional status (Hb, Blood glucose, Height, Weight) Expenditure on various foods groups (Saving in purchasing of millets, legumes oilseed, fruits, vegetable, eggs purchasing medicine & doctors fees) |
| Cost of input | 22000/- |
| Total cost | 22000/- |

| | |
|---|---|
| Title of on-farm trial | Assessment of heat treatment in improving the shelf life of pearl millet |
| Problem diagnosed | Pearl millet flour turns bitter & rancid during storage |
| Production system and thematic area | Value Addition |
| Farmers' practices | Farmers Practice (T1) Traditional method of raw Pearl millet grain milling |
| Details of technologies selected for assessment Treatments | Assessed Practice (T2) Dry heat treatment to Pearl millet grains before milling |
| | Assessed Practice (T3) Blanching of Pearl millet grain before milling |
| Source of technology | CCSHAU, Hisar & MPKV, Rahuri |
| No. of farmers | 7 |
| No of trial | 21 |
| Critical input | Pearl millet flour 10 kg / farmer Rs. 3500/- |
| Performance indicators<br>Observation to be recorded | 1. Increase in shelf life in days<br>2. Organoleptic acceptability (texture & odour)<br>3. Spoilage % |
| Cost of input | Rs. 3500/- |
| Total cost | Rs. 5000/- |

# Enterprise :- Mushroom Production



| | |
|---|---|
| Title of on-farm trial | Assessment on high yielding varieties of oyster mushroom cultivation. |
| Problem diagnosed | No use of high yielding varieties |
| Production system and thematic area | Varietal evaluation of oyster mushroom |
| Farmers' practices | T1 : local use pleurotus sojarkaju |
| Details of technologies selected for assessment Treatments | T2 : Pleurotus Florida |
| | T3 : Pleurotus Ostreatus |
| Source of technology | National research center for mushroom, solan |
| No. of farmers | 07 |
| No of trial | 21 |
| Critical input | Spawns of pleurotus sojarkaju , Pleurotus Florida , Pleurotus Ostreatus |
| Performance indicators<br>Observation to be recorded | yield/ bag<br>No of days required for harvesting<br>Economics B:C ratio |
| Cost of input | Rs. 12000/- |
| Total cost | Rs. 15000/- |

# Enterprise :- Storage techniques



| | |
|---|---|
| Title of on-farm trial | Assessment of Application of custard apple seed powder packed in cotton cloth @ 15g/kg of stored pigeon pea is recommended for management of pulse beetle. |
| Problem diagnosed | Damage & wastage of pigeon pea during storage due to insect |
| Production system and thematic area | Storage loss minimization techniques |
| Farmers' practices | T1: Sun drying of pulses |
| Details of technologies selected for assessment Treatments | T2: Application of custard apple seed powder packed in cotton cloth @ 15g/kg of stored pigeon pea is recommended for management of pulse beetle. |
| Source of technology | Dr. PDKV, Akola |
| No. of farmers | 07 |
| No of trial | 14 |
| Critical input | custard apple seed powder |
| Performance indicators<br>Observation to be recorded | No. of insect found<br>% of grain damage |
| Cost of input | Rs. 1000/- |
| Total cost | Rs. 2000/- |

# 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 2024 | Integrated Crop Management Practices (ICM) in Soybean variety: PDKV Amba (AMS-100-39) | Rainfed | PDKV Amba (AMS-100-39) | 10 | 25 | Seed & Bio fertilizer | Seed: 105000/-, Bio Fertilizer : 2500/-, Total :- 1,07,500/- (Rs 4300/- Demo) | Plant Height, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Sesame | Summer 2024 | To demonstrate the new high yielding improved variety suitable for Summer Season. | Irrigated | PKV NT-11 | 10 | 25 | Seed | Seed: 12,500/- Bio Fertilizer : 1250/-, (Rs 550/- Demo) | Plant Height, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| **Pulses** | | | | | | | | | |
| Pigeon pea | Kharif 2024 | To demonstrate the new high yielding, Mid late Variety Resistant to Sterility & Wilting | Rainfed | BDN-716 | 20 | 50 | Seed, Bio fertilizer & Trichoderma | Seed: 32000/-, Bio Fertilizer : 2500/- Total :- 34500/- (Rs 690/- Demo) | Plant Height, Seed yield ($qha^{-1}$), GMR, NMR & B:C ratio |
| Chick pea | Rabi 2024 | 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: 70000/- Bio fertilizer: 5000/- Total 75000/- (Rs 1500/- Demo) | Plant height, No. of Pod per plant, Grain yield & B:C ratio |

# Front Line Demonstration

No. of FLDs
8

# Other than CFLD



| Crop | Season | Purpose of demonstration | Farming situation | Area (ha) | No. of demo | 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.18000 | 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.19500 | 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 |
|---|---|---|---|---|---|---|---|---|
| Use of BBF Planter for sowing of soybean | Rainfed | For sowing crop on bed and in-Situ moisture conservation. | June/July 2024 | 6.00 | 15 | BBF Planter For sowing purpose with Diesel For Tractor | 10000/- | 1. Cost of operation(Rs/ha)<br>2. Crop Yield (qt/ha) |
| Kisan Drone | Kharif | To reduce time of spraying | Aug- Sept 2024 | 6.00 | 15 | Kisan Drone | -- | Time required Ha Efficency |

# AHDS



| Name of animal | Name of breed | Purpose of demonstration | Month of implementation | No. of demonstrations (Units) | No. of animals to be covered per unit | Critical Inputs Identified | Cost of critical inputs (Rs) | Parameters of observation |
|---|---|---|---|---|---|---|---|---|
| Cattle | ND | Mineral supplement effect | March 2024 | 13 | 26 | Mineral lick blocks | 13500 | 1. Body wt. 2. . Milk yield 4. BC Ratio |
| Poultry | Grampriya | Comparative study with local breeds | August 2024 | 13 | 30 | Grampriya chicks | 1350 | 1. Body weight at first production :2. Egg production :3.Mortality% |

# Home Science



| Name of the Enterprise | Purpose of demonstration | Month of implementation | No. of demonstrations | No. of farmers | Critical Inputs Identified | Cost of critical inputs (Rs) | Parameters of observation |
|---|---|---|---|---|---|---|---|
| Nutritional Garden | To improve the nutritional status of rural family member<br>To increase the consumption of fruits & vegetable in daily diet of the rural family member | June & Sept 2024 | 50 | 50 | Vegetable seed kit & seedlings of various Vegetable , fruit seedlings & medicinal plant . compost pit | Rs.15000. | ▪Yield of Fruits & vegetable<br>▪Consumption of Fruits & vegetable per day<br>▪Economics Saving on purchase of fruits & vegetable |
| Storage loss minimization techniques | To minimize storage loss & increase the shelf life of grain/seed | Sept 2024 | 50 | 50 | Save grain bag | Rs. 5000 | No. of insect found<br>% of grain damage |

# Propose Study Impact of FLD on Chick Crop (PDKV-Kanak ) Under TSP Project



## Specific Objective of Study :-

- To study the Profile of beneficiaries farmers .
- To study the impact of Chick Pea Crop (PDKV-Kanak) front line demonstration beneficiaries farmers.
- To study the Constraint faced by farmer in adoption of demonstrate of technology

## Methodology :-

Location of Study: Present study was conduct in the following villages of Yavatmal district where Front Line

| Year | No's of Demonstration | Village | Thasil |
|---|---|---|---|
| Rabi 2023 | 11 | Mahamadpur | Babhulgaon |
| | 25 | Titwi | Ghatanji |
| | 02 | Waghdhara | Maregaon |
| | 03 | Gugaldhara | |
| | 09 | Shivnala | |

# Prapose Study Impact of FLD on Chick Crop (PDKV-Kanak Under TSP Project



Titwi, (Ghatanji )



Mahamadpur (Babhulgaon)

# Prapose Study Impact of FLD on Chick Crop (PDKV-Kanak Under TSP Project



## Independent Variable

| Variable |
| --- |
| Age |
| Education |
| Landholding |
| Irrigation Availability |
| Farming Experience |
| Annual Income |
| Extension Participation |
| Scientific Orientation |

## Dependent Variable

- Impact of front line demonstration on Change in Knowledge
- Impact of front line demonstration on Change in Adoption
- Impact of front line demonstration on Change in Annual Income

# Training programme

Agronomy=25

| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| A. | For PF | | | | | | |
| | Oct 2024 | Weed Management | On + OFF | 3 | 75 | 21 | 96 |
| | Oct 2024 | Resource Conservation Technologies | On + OFF | 4 | 100 | 20 | 120 |
| | June 2024 | Cropping Systems | On + OFF | 1 | 25 | 5 | 30 |
| | May 2024 | Crop Diversification | On + OFF | 2 | 50 | 16 | 66 |
| | August 2024 | Integrated Farming | On + OFF | 2 | 50 | 16 | 66 |
| | June 2024 | Water management | On + OFF | 3 | 50 | 16 | 66 |
| | Oct 2024 | Seed production | On + OFF | 2 | 50 | 16 | 66 |
| | July 2024 | Nursery management | On + OFF | 0 | 0 | 0 | 0 |
| RY | Sept 2024 | Integrated Crop Management | On + OFF | 4 | 100 | 20 | 120 |
| | August 2024 | Fodder production | OFF Campus | 1 | 25 | 5 | 30 |
| EF | June 2024 | Production of organic inputs | On + OFF | 3 | 75 | 21 | 96 |
| | | | Total | 25 | 600 | 156 | 756 |

# Training programme



| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| A. | PF | | | | | | |
| | May-24 | Importance of bee keeping | On + OFF | 05 | 180 | 40 | 220 |
| | June-24 | Safe use of pesticides and Importance of Seed treatment in pest and disease management | OFF Campus | 02 | 100 | 40 | 140 |
| | July-24 | Safe use of pesticides and IPM in cotton, Soybean | OFF Campus | 03 | 80 | 20 | 100 |
| | Aug-24 | Integrated Pest Management in Cotton and boll rot management | On + OFF | 02 | 45 | 25 | 70 |
| | Nov-24 | Pest and Disease management in fruit crops | OFF Campus | 02 | 100 | 50 | 150 |
| | Dec-24 | Pest management in vegetables | | 03 | 100 | 30 | 130 |
| | Jan-24 | Pest management in chickpea | On + OFF | 02 | 100 | 50 | 150 |
| B. | RY | | | | | | 0 |
| | May-24 | Importance of bee keeping | OFF Campus | 03 | 100 | 50 | 150 |
| C. | EF | | | | | | |
| | June-24 | IPM in cotton, Soybean, Pigeon pea and safe use of pesticides | OFF Campus | 04 | 120 | 50 | 170 |
| | | | Total | 26 | 225 | 135 | 1280 |

# Training programme



| S. No. | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | Male | Female | Total |
| PF | 03.02.23 | Training programme on programme on Profitable Goat farming & its management. | ON | 01 | 68 | 10 | 78 |
| | 02.03.23 | Training programme on Summer management of Livestock's | OFF | 01 | 95 | 09 | 104 |
| | 09.06.23 | Lumpy skin disease( LSD) Housing , care , & Management of affected livestock's. | OFF | 01 | 65 | 17 | 82 |
| | 12.07.23 | Training Programme on Housing, care & Management of Indian goats. | OFF | 01 | 102 | 25 | 127 |
| RY | 13.07023 | Training programme on Mastitis in Goats & its Diagnosis. | OFF | 01 | 182 | 18 | 200 |
| | 19.08.23 | Training programme on Housing , care, & Management of livestock's during rainy season. | OFF | 01 | 190 | 20 | 210 |
| | 01.11.23 | Training programme / Demonstration on Azolla production Technology. | OFF | 01 | 92 | 21 | 113 |
| | 21.11.23 | Training programme on winter care & management of livestock's | OFF | 01 | 113 | 27 | 140 |
| EF | 30.11.23 | Training programme on programme on Profitable Goat Farming with BAIF | OFF | 01 | 130 | 12 | 142 |
| | 04.12.23 | Training programme on azolla production and its feeding importance in livestock's | OFF | 01 | 55 | 05 | 60 |
| | 07.12.23 | Winter housing, care , and shed management of Livestock's | OFF | 01 | 73 | 10 | 83 |
| | 13.07023 | Training programme on Mastitis in Goats & its Diagnosis. | OFF | 01 | 182 | 18 | 200 |
| | | | Total | 12 | 1347 | 192 | 1539 |

# Training programme



| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| PF | January 2024 | Drone Technology for Agriculture | ON | 01 | 25 | 05 | 30 |
| | March-24 | Ground water recharging | ON | 01 | 25 | 05 | 30 |
| | April-24 | Water harvesting structures and its importance | OFF | 01 | 25 | 05 | 30 |
| | May- June 24 | In situ moisture conservation techniques BBF | ON+OFF | 01 | 25 | 05 | 30 |
| | October 24 | Different Irrigation methods for enhancing crop production. | OFF | 01 | 25 | 05 | 30 |
| | November-24 | Micro-irrigation systems and its maintenance. Fertigation, acid treatment and maintenance of drip irrigation system | ON+OFF | 01 | 30 | - | 30 |
| | December24 | Use of Small Tractors and Implement | ON+OFF | 01 | 25 | 05 | 30 |
| | December24 | Fertigation, acid treatment and maintenance of drip irrigation system | OFF | 01 | 30 | - | 30 |
| RY | February -2024 | Use of agricultural implements for farm mechanization | ON | 01 | 30 | 10 | 40 |
| | November-24 | Post-harvest management for agricultural products -Dal Mill Demonstration | ON | 01 | 33 | 12 | 45 |
| EF | February 2024 | Improved farm Machinery | ON | 01 | 30 | 10 | 40 |
| | | | Total | 11 | 303 | 62 | 365 |

# Training programme



| S. No | Date | Title of training | Venue (On/Off) | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | Male | Female | Total |
| A. | For PF | | | | | | |
| 1 | Jan 2024 | Production technology Of oyster mushroom | On | 01 | 15 | 15 | 30 |
| 2 | Feb 2024 | Processing & value added products making from various millet | On | 01 | 00 | 30 | 30 |
| 3 | Feb 2024 | Production technology Of oyster mushroom | OFF | 01 | 15 | 15 | 30 |
| 4 | March 2024 | Eco friendly holy color | On | 01 | 15 | 15 | 30 |
| 5 | April 2024 | Scientific & Improved storage techniques for storage of food grains | OFF | 01 | 15 | 15 | 30 |
| 6 | May 2024 | Importance of Farming system for nutrition approach, Seasonal planning & Management | OFF | 01 | 15 | 15 | 30 |
| 7 | June 2024 | Nutrition Gardening: Seasonal planning & Management | OFF | 01 | 15 | 15 | 30 |
| 8 | July 2024 | Nutritional importance of various millets in daily diet & low cost recipe preparation | On | 01 | 15 | 15 | 30 |
| 9 | July 2024 | Introduction of various improved hand operated farm implements to the farm women & its use in farm activity | OFF | 01 | 15 | 15 | 30 |
| 10 | Aug 2024 | Nutritional importance of Soybean in daily diet & low cost recipe preparation | On | 01 | 15 | 15 | 30 |
| 11 | Sept 2024 | Importance of balance diet & and dietary remedies to avoid malnutrition in women & child | OFF | 01 | 15 | 15 | 30 |
| 12 | Oct 2024 | Various heat treatment to improve the shelf life of pearl millet flour | OFF | 01 | 15 | 15 | 30 |
| 13 | Nov 2024 | Production technology Of oyster mushroom | On | 01 | 15 | 15 | 30 |
| 14 | Dec 2024 | Processing & value addition in Agro commodities | OFF | 01 | 15 | 15 | 30 |

# Training programme



| S. No | Date | Title of training | Venue (On/Off) | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | Male | Female | Total |
| B. | For RY | Vocational training programmes | | | | | |
| 1 | Sept 2024 | Value addition and processing of various millets & soybean | On | 06 | 15 | 15 | 30 |
| 2 | Oct 2024 | Value addition and processing of Spices & pickles | On | 06 | 15 | 15 | 30 |
| | | Sponsored training programme | | | | | |
| 1 | Nov 2024 | Mushroom Production | On | 05 | 15 | 15 | 30 |
| 2 | Dec 2024 | Processing & Value addition in fruits & vegetable | On | 05 | 15 | 15 | 30 |
| 3. | May 2024 | Processing & Value addition in milk | On | 05 | 15 | 15 | 30 |
| C | For EF | | | | | | |
| 1 | July 2024 | Nutrition gardening | On | 01 | 0 | 50 | 50 |
| 2 | Nov 2024 | Wonder grain minor millet for healthy life & various value added product from millet | On | 01 | 0 | 50 | 50 |
| | | | Total | 21 | 360 | 400 | 760 |

# Training programme



| S. No | Date | Title of training | Venue | Duration (Days) | No. of participants | | |
|---|---|---|---|---|---|---|---|
| | | | | | M | F | Total |
| PF | | | | | | | |
| 1 | June 2024 | Capacity building of Group Commodity | Off | 01 | 20 | 15 | 35 |
| 2 | July 2024 | Importance of Farmer Producer Company for SHG's groups | On | 01 | 20 | 10 | 30 |
| 3 | Aug 2024 | Different sources to access the information on Agriculture | off | 01 | 18 | 12 | 30 |
| 4 | Aug 2024 | Organizing Method Demonstrations | Off | 01 | 15 | 10 | 25 |
| RY | Sept 2024 | Leadership Development Skills among Farmer | off | 01 | 15 | 15 | 30 |
| 2 | Jan 2024 | Small Scale Entrepreneurship development among the Youth | On | 01 | 15 | 15 | 30 |
| 3 | Feb 2025 | Knowledge of Govt. Scheme for Self Employment for rural youth | Off | 01 | 20 | 10 | 30 |
| PF | Aug 2024 | Multimedia Communication | Off | 01 | 20 | 10 | 30 |
| 3 | Nov 2024 | Role of Extension Worker in dissemination of Technology | On | 01 | 15 | 10 | 25 |
| | | | Total | 09 | 158 | 107 | 265 |

# Major Extension Activities



| S. N. | Major Extension Activities | No. of activities | Proposed date /week | Venue | participants |
|---|---|---|---|---|---|
| 1 | Farmer Scientist Forum meetings | 12 | March to December 2024 | On+ Off | 450 + |
| 2 | Field Day | 05 | November 24, February 24, May 24 | Off Campus | 160 |
| 3 | Farmer scientist Interaction | 04 | June & September 2024 | On+ Off | 410 |
| 4 | Kisan Goshthi | 10 | June to December 2024 | On+ Off | 240 |
| 5 | Exhibition (Participation) | 02 | March to December 2024 | On+ Off | 1600+ |
| 6 | Film Show | 01 | August 2024 | Off Campus | 150 |
| 7 | Farmers Seminars | 01 | May 2024 | On+ Off | 50 |
| 8 | Special day Celebrated | 05 | January to December 2024 | On+ Off | 310 |
| 9 | Animal Health Camp | 01 | September 2024 | On+ Off | 100 |
| 10 | Pre Kharif Kisan Mela | 01 | June 2024 | On Campus | 190 |
| 11 | Pre Rabi Kisan Mela | 01 | September 2024 | On Campus | 163 |
| 12 | World soil day | 01 | 5 December 2024 | Off Campus | 120 |
| 13 | Awareness Campaign | 02 | January to December 2024 | On+ Off | 240 |

# Major Extension Activities



| S. N. | Major Extension Activities | No. of activities | Proposed date /week | Venue | participants |
|---|---|---|---|---|---|
| 1 | Self Help Group Conveners meetings | 02 | Jan- Dec 2024 | Off | 100 |
| 2 | Mahila Mandals Conveners meetings | 03 | Jan- Dec 2024 | On | 100 |
| 3 | Celebration of special days (specify) Rashtriya Mahila Kisan Day | 01 | 15 Oct 2024 | Off | 100 |
| 4 | World food day | 01 | 16 Oct 2024 | On | 100 |
| 5 | International womens day | 01 | 8 March 2024 | On | 100 |
| 6 | National Nutrition Month (Millet food festival ) | 03 | Sept 2024 | OFF | 300 |
| 7 | Swachata Abiyan | 01 | Octo 2024 | ON+ OFF | 253 |
| 8 | Parthenium Week | 01 | Aug 2024 | ON+ OFF | 67 |
| 9 | National Balika week | 01 | January 2024 | On | 130 |
| 10 | National Breast feeding week | 01 | August 2024 | Off | 120 |
| 11 | Group meetings/ Method Demonstration | 05 | Jan- Dec 2024 | Off | 400 |
| 12 | Lectures delivered as resource persons | 05 | Jan- Dec 2024 | On/off | 400 |
| 13 | Radio/ TV talks/Newspaper coverage | 05 | Jan- Dec 2024 | - | - |

# Demonstration Units-12




Soil Testing Lab

Bee Keeping unit


Poultry demo Unit

Triachogramma unit

Krishi Vigyan Kendra
Yavatmal-I

# Demonstration Units-12

Action Plan 2024


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 2023 | Net profit expected (Rs) | Remarks if any |
|---|---|---|---|---|
| Dairy | Hydroponic | -- | -- | -- |
| Goatary | **Goat manure** | **1.5 tonn** | **40000** | - |
| Vermicompost | Vermi culture | | | |
| Sericulture | Sampling | | | |
| Others, | **Azolla** | **500 Kgs** | **40000/-** | **Low cost technology spreaded at the doorstep of farmers** |
| Mushroom | Oyster | 60 beds /60 kg | 50000/- | 4.00 Lakh |

# value added products



| Crop / Commodity | Quantity to be processed | Name of the product to be prepared | Quantity to be prepared (kg or lit) | Net profit expected (Rs) |
|---|---|---|---|---|
| Millet | 200 kg | Semolina | 150 kg | -- |


Distoner


Polisher


Palwalizer


Shifter

Krishi Vigyan Kendra
Yavatmal-I

# Instructional Farm

Action Plan 2024

**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 | Custard Apple | 0.50 | Balanagar | June 2022 | -- | -- |
| 2 | Acid lime (lemon) | 0.37 | PDKV Lime, Phule sarabati | June 2022 | -- | -- |
| 3 | Soybean | 4.50 | AMS-100-39 (PKKV Amba) | 27-28 June 2023 | Last week of September 2023 | 60 |
| 4 | Soybean | 3.00 | AMS-MB-5-18 (Suvarna Soya) | 1-2 July 2023 | Last week of September 2023 | 36 |
| 5 | Mulberry | 0.25 | V-1 | 25-30 June 2023 | - | |
| 6 | Drumstick | 0.25 | PKM-1 | 25-30 June 2023 | | |
| 7 | Sunflower | 0.50 | PDKV SH-952 | June 2023 | 2nd week of October 2023 | 07 |
| 8 | Crop cafeteria | 0.50 | Millets & Soybean | June 2023 | Last week of September 2023 | -- |
| | Nutritional Garden | 2 R | Green leafy vegetable, Cucurbits, Other vegetable, Roots & tuber | 5 June 2024 | Sept 2024 | 35-40 kg |

# 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 | CICR, Nagpur | “HDPS Cotton project” | -- | | Dr. S. U. Nemade<br>Dr. P. N. Magar |
| 2 | State Agriculture Department | CROPSAP : Pest Surveillance | -- | 40,000/- | Dr. S. U. Nemade<br>Dr. P. N. Magar |
| 3 | ATARI Pune | Drone Demonstration | -- | 6,00,000/- | Dr. S. U. Nemade<br>Dr. P. N. Magar<br>Er. R. T. Chavan |

# Different Project in KVK

1. Special Cotton Project (HDPS)
2. RKVY (Rashtriya Krishi Vikas Yojana)
3. CFLDs Oilseed and Pulses
4. Drone in Agriculture
5. Project Bandhan (PB-Knot)
6. Panjabrao Deshmukh Natural Farming mission
7. CROPSAP Project

# Special cotton Project 2023-24



| Sr. No. | Technology demonstrated | No. of Farmers | Area (ha) |
|---|---|---|---|
| 1 | Targeting Technology to Agro-Ecological Zones Large Scale Demonstrations of Best Practices to Enhance Cotton Productivity | 169 | 491.52 |
| | **Villages:** Kalamb, Ralegaon, Babhulgoan, Ner, Yavatmal, Darwha, Digras & Arni | | |

# Rashtriy Krishi Vikas Yojana (RKVY-TSP)



| Sr. No. | Technology demonstrated | No. of Farmers | Area (ha) |
|---|---|---|---|
| 1 | Production Technology of Chick pea<br>**Villages:** Koli & shari (Ghatanji) | 10 | 04.00 |

# CFLD On Pulses



| Season | Crop | Village | Variety | No. of Farmers | Area (ha) |
|---|---|---|---|---|---|
| *Kharif* | Pigeonpea | (Mawalani & Mahamdpur) | BDN-716 | 50 | 20.00 |
| *Rabi* | Chickpea (TSP) | (Gugaldhara, Shivnala, Waghdhara (Maregaon) & Mahamdpur (Babhulgaon) Titavi (Ghatanji) | PDKV- Kanak | 50 | 20.00 |

# CFLD on Oilseed



| Season | Crop | Variety | No. of Farmers | Area (ha) |
|---|---|---|---|---|
| *Kharif* | Soybean (Mahamdpur) | PDKV Amba (AMS-100-39) | 25 | 10.00 |
| *Summer* | Sesame (Mahamdpur & Mawalni) | PKV-NT-11 | 50 | 20.00 |


Krishi Vigyan Kendra
Yavatmal-I

# PROJECT BANDHAN

Action Plan 2024

## Area Covered-120 Acre
## Mahamdpur (Babhulgaon)
## Mawalni (Kalamb)


Krishi Vigyan Kendra
Yavatmal-I

# Drone Demonstration

Action Plan 2024

**Demo-38**
**Farmers-1160**

# Farm Pond at KVK Field



As Per Directives of Res. DEE Dr. PDKV Akola Constructed A farm pond with Help of Agriculture Department Yavatmal with subsidy of **3,39,000/-** Farm Pond of **34x34x4.7** meter with capacity of **52 lakh liters of water can be stored** which can be irrigate 5 ha of land with pressurize irrigation

# FPOs



| No. of new FPOs / FPCs to be formed/ supported by KVK | No. members | No. of already formed FPOs / FPCs supported by KVK | No's of. members | major commodities | Type of support |
|---|---|---|---|---|---|
| 01 | 336 | 02 | 671 | Processing & Value Addition | Technical & Administrative |
| Dashkranti Uttpadak Companey, Kalamb | | ➢ Painganga Farmer Producer Company, Amboda<br>➢ Sita Mata Farmer Producer Company,Mudana | | | |

## 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 |
|---|---|---|---|
| Mawalni | 01 | 01 | Agril + Dairy + Horticulture |
| Mahamadpur | 01 | 01 | Agril + Dairy + Horticulture |

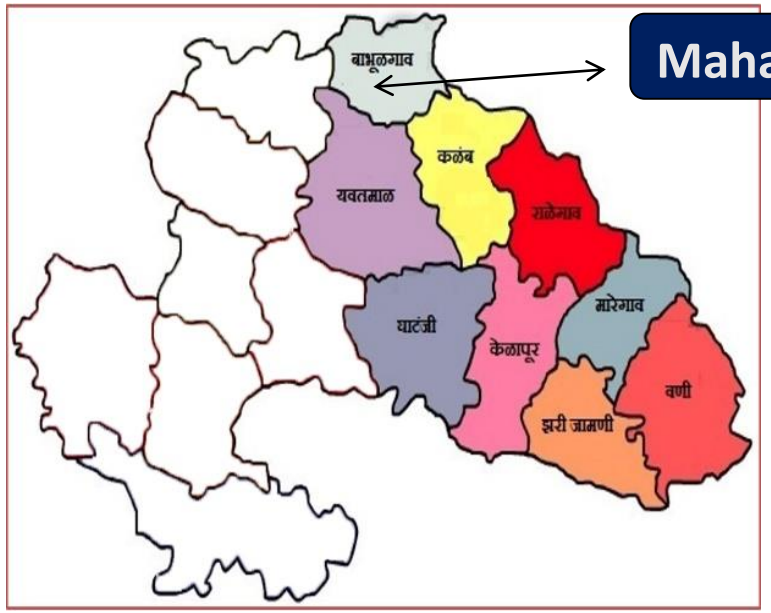
# Details of collaborative applied research projects planned if any

| Name of the research project | Funding agency | Collaborating organizations | Year of commencement |
|---|---|---|---|
| Poultry Demonstration unit | ATMA | ATMA | 2024-25 |
| Sericulture | Sericulture Dept | Sericulture Dept | 2024-25 |

# Adopted Village



## Basic Information of Adopted Villages




| Details | Mahamadpur (Babhulgaon) |
|---|---|
| Population | 435 |
| | Male -229 |
| | Female -206 |
| Geographical Area of Village (Ha) | 389.71 |
| Area Under Kharif | 218.53 |
| Area Under Rabi | 110.47 |
| Area Under Summer | 60.70 |
| Major Component | ICM, IPM technology, Farm Mechanization, Promote through Sericulture & Livestock , Organic farming, Linkages with Line Dept. |


Thank You!

Thank You