

District Profile

1) Preamble

The Yavatmal district of Central Vidarbha Zone of Maharashtra State is located between 19⁰, 26'' & 28⁰. 42'' of North Latitude while 77⁰, 18'' and 79⁰, 18'' of Eastern Longitude. The major area of the district is located in the Southern Plateau of Berar. It is surrounded by Amravati districts in the North, Akola and Parbhani districts in the West, Nanded and Adilabad districts in the South and Chandrapur and Wardha districts in the East.

The district comes under assured rainfall area of VIIIth Agroclimatic Zone with average annual rainfall of 1050 mm mostly received during June to September months from the north-eastern monsoon rains.

The soils of the district are 50% light (7.5 – 25 cm i.e. Entisol), 30% medium (26-50 cm i.e. Inceptisol) and 20% black cotton soils (91 – 100 cm i.e. Vertisol).

2. Agricultural and allied census

Geographical area	:	13,51,966 hectare
Cultivable area	:	9,60,500 hectare
Area under Forest	:	2,03,147 hectare
Area under KharifCrop	:	9,05,000 hectare
Area under Rabi Crop	:	87,000 hectare
Area under Summer Crop	:	7,000 hectare
Rainfed Area	:	8,37,946 hectare (7 to 8 % irrigated)
Total Number of farmers	:	4,17,402
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 °C
Maximum temp	:	47 °C
Average Rain fall (June to Dec.)	:	911.03 mm
Average number of rainy days	:	56

Major Crops

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

Rabi / Summer: Wheat, Chickpea, Rabi Sorghum Summer Groundnut, Sugar cane (Annual)

Horticultural crops : Oranges, Sweet Oranges, Banana, Custard apple

Soil Type

Light soil	:	4,42,100 hectare (45.98 %)
Medium soil:	:	2,20,800 hectare (23 %)
Heavy soil	:	2,97,600 hectare (31.02 %)

3. Area and Productivity of major crops cultivated in the district during last three year:

SN	Crop	2015-16		2016-17		2017-18	
		Area (ha)	Productivity (Kg /ha)	Area (ha)	Productivity (Kg /ha)	Area (ha)	Productivity (Kg /ha)
1.	Cotton	472002	527	420768	1175	472002	500
2.	Jawar	31058	426	29924	330	31058	381
3.	Redgram	119771	513	173538	1348	119771	894
4.	Soybean	260379	524	253043	1014	260379	861
5	Greengram	5381	245	9341	456	10024	465
6	Blackgram	5313	249	10379	463	8439	495
7	wheat	35503	1055	60181	1233	12826	954
8	Chickpea	80677	735	147598	963	94140	586

* Source: SAO office, Yavatmal

4. Meteorological Data at KVK, Yavatmal 2017-18

Month	Rainfall (mm)	Rainy days	Max Temp (0C)	MinTemp (0C)	Humidity morning (%)	Humidity Evening (%)
Jan	-	-	29.8	13.9	52.9	33.6
Feb	-	-	33.6	17.2	49.4	35.0
Mar	-	-	36.7	21.4	30.1	24.8
April	-	-	34.5	25.0	38.2	31.4
May	4.4	01	42.5	29.9	41.6	35.0
June	117.4	08	35.9	24.4	65.4	56.2
July	129.8	11	31.6	22.7	77.6	68.2
Aug	159.0	07	30.2	22.5	82.7	73.7
Sept	129.6	10	31.2	22.3	84.5	74.9
Oct	32.4	03	30.6	18.4	79.3	62.5
Nov	-	-	33.2	19.4	51.3	43.2
Dec	-	-	34.9	19.7	50.4	35.3

Total Rainfall:-578.4 mm (63.47%) Rainy days:-42 days District Av. Rainfall :- 911.34 mm

5. OTHER INFORMATION:

5.1 AGRO-CLIMATIC ZONES

The district Yavatmal falls under Agro-climatic Zone No. 8 i.e. Moderate Rainfall Zone. Only small western part of Darwaha&NerTahsils falls under assured rainfall zone No. 7. The Average rainfall received in this Zone usually exceeds 900 m. m. The climate is hot and dry. More than 75% rainfall in this zone is received in Kharifseason, hence Kharif cropping system Predominates in the zone. In general, all types of soils are observed in this zone. Preferably, medium and heavy in texture, fairly high in clay content, alkaline in reaction, high lime reserve with high base saturation of the exchange complex. The soils are severely eroded & shallow. They are uneven in depth and are uncertain by stony substrata. They are intercepted by gullies having rapid run off resulting in severe erosion & prone to drought ness.

5.2 Agro Ecological Situations (AES) Of Yavatmal District

Agro Ecological Situations	Characteristics	Blocks Covered
I	Medium to heavy soils, rainfed area	Wani, Maregaon, ZariJamni
II	Light to medium soils, command area and well irrigation	Umarkhed, Pusad, Digras, Mahagaon
III	Mostly Rainfed Medium to heavy soils, Surrounded by forest.	Pandharkawada, Ghatanji, Arni
IV	Light to heavy soils, irrigation through wells, Horticulture crop pocket	Yavatmal, Kalamb, Ralegaon
V	Mostly rainfed light to Medium soils	Ner, Darwha, Babhulgaon

5.3 Major and Micro-Farming Systems:

Soil type	Characteristics	Area in ha
Shallow	Very dark brown clay, blocky, slightly hard, crack visible, disintegrated murum	50 %
Deep	Dark brown clay, cloddy, hard, lime nodules present thought the profile, Disintegrated murum	30 %
Very deep	Very dark brown clay,cloddy, hard,full of lime concretion concretionincreasing with depth	20 %

5.4 Major Farming Situation:

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

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

5.5.1 Major farming system	5.5.3. Micro Farming systems
Agriculture crops	Agri + Horti + Dairy
Rainfed Cotton	Agri + Dairy
Rainfed Soybean	Agri + Goat farming
RainfedJawar	Agri + Sericulture
Irrigated Wheat	Agri + Horticulture
Irrigated Gram	Agri. + Horti. + Poultry
Irrigated Summer Groundnut, Sesamum, Rabi Jawar	5.5.4. Major production systems
5.5.2. Major Intercropping systems	Cotton – Gram
Cotton + Tur (8:1) (12:2)	Cotton – Wheat
Soybean + Tur (10:1)(5:1)	Soybean – Wheat
	Soybean – Gram
	Soybean – Rabi Jawar
	Soybean – Summer Groundnut

	Hy. Jawar – Wheat
	HyJawar – Gram
	Turmeric

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

Agro-climatic Zone	Characteristics
Agro-climatic Zone No.8	Moderate Rainfall Zone. Only small western part of Darwha&NerTahsils falls under assured rainfall zone No. 7. The Average rainfall received in this Zone usually exceeds 900 m. m. The climate is hot and dry. More than 75% rainfall in this zone is received in Kharif season; hence Kharif cropping system predominates in the zone. In general, all types of soils are observed in this zone. Preferably, medium and heavy in texture, fairly high in clay content, alkaline in reaction, high lime reserve with high base saturation of the exchange complex. The soils are severely eroded & shallow. They are uneven in depth and are undertain by stony substrata. They are intercepted by gullies having rapid run off resulting in severe erosion & prone to droughtiness.

5.7 Major Agricultural and allied enterprises

S. N.	Type of enterprises/commodities
1	Agricultural crops Irrigated Cotton, Rainfed cotton, Sorghum, Pigeonpea, Soybean, Wheat, Chickpea, Sugarcane,
2	Horticulture crops Orchards, Vegetable, Floriculture, Turmeric ,Chilly,
3	Animal husbandry Cows, Buffalos, sheep, Goat, Pigs
4	Fisheries
5	Sericulture
6	Poultry
7	Agriculture labour
8	Bee Keeping
9	Vermi –compost
10	Mushroom production
11	Value addition by processing of Pigeon pea , Vegetable , Soybean etc.

6. Agro ecosystem analysis of the focus/target area

6.1 Names of villages, focus area

- Saykheda (Yavatmal)
- BorgaonPunji (Arni)
- Shivani(Yavatmal)

6.2. List of location specific problems

Crop	Critical Gap/problems	Strategic issue	Strategies
COTTON RAINFED & IRRIGATION	Application of basal dose of fertilizer two weeks after sowing.(H)	Encouraging fertilizer application at time of sowing	<ul style="list-style-type: none"> • Demonstration • Explosure visit • Training
	Imbalance use of fertilizer	Encoruaging farmers for use of fertilizer on soil test basis through INM	<ul style="list-style-type: none"> • Training • Demonstration
	Cultivation on not suitable soil	Recommandation of varities as per soil type	<ul style="list-style-type: none"> • Training • Demonstration
	Use of Non recommended varieties under cultivation	Popularizing University recommended strate variety espicialy under rainfed condition	<ul style="list-style-type: none"> • Training • Demonstration • Field day
	Heavy infestation of Pink bollworm & Sucking pest on Bt Cotton varieties on large scale.	Spreading awareness about proper plant protection measures.	<ul style="list-style-type: none"> • Training • Demonstration

			<ul style="list-style-type: none"> Field day Training
	Long dry spell/water lodging	Developing concept of insitu water conservation and drainage	<ul style="list-style-type: none"> Training
	Delayed & improper method of cleaning campaign(M)	Encouraging farmers to release sheep /goat / cattles in cotton field immediately after last picking & uprooting of cotton trash	<ul style="list-style-type: none"> Training Demonstration (Use of suitable implements for uprooting)
	Admixture of many varieties at time of marketing (M)	Developing concept of one verity in one village	<ul style="list-style-type: none"> Training for quality production
SOYABEAN RAINFED	Lack of optimum plant population(H)	Encouraging farmer to test germination before sowing	<ul style="list-style-type: none"> Demonstration Training
	Not use of Micronutrient	Application of Micronutrient on the basis of soil testing result	<ul style="list-style-type: none"> Training Demonstration
	Use of untreated seeds (M)	Encouraging farmers to use Bio-fertilizer & fungicides for seed treatment	<ul style="list-style-type: none"> Training Demonstration
	Moisture stress at critical stage.	Creation of small earthen bund after every 100 ft. at the time of last hoeing Sowing across the slop. Use of BBF Technology for Sowing	<ul style="list-style-type: none"> Demonstration Training
	Management of Girdle Beetle & Shoot fly on Soybean	IPM	<ul style="list-style-type: none"> Training Demonstraion
PULSES SOLE & INTERCROP	Seed treatment with bio-fertilizer & fungicide	Encouraging farmers for treating seeds before sowing	<ul style="list-style-type: none"> Demonstration Training
	Improper disease and pest management	Undertaking farmers field school for integrated pest management	<ul style="list-style-type: none"> Training Demonstration
Chickpea	Seed treatment with Bio-fertilizer & fungicide.	Lack of knowledge	Training & effective demonstration Training &
	Irigation schedule of critical stage not properly maintained	Encouraging farmers for schedule irrigation	Training & Demonstration
	Non maintenance of plant population.	Immediate sowing after harvesting of soyabean is delayed	Demonstration & Exposure visit Training & Demonstration
		Use of sprinkler irrigation should be promoted	& Exposure visit Provide subsidy on sprinklers
	Improper pest management	Heavy attack of heliothis	IPM
	Problem of store grain pest is severe	Awareness about store grain pest	Training & Demonstration
WHEAT	Improper time of sowing	Encouraging farmers for timely sowing	Training
	Use of non recommended varieties	Creating awareness about recommended varieties	Training
	Irigation schedule at critical not properly maintained	Lack of knowledge	Training
		Less availability of water	
	Seed treatment with Bio-fertilizer	Lack of Knowledge	Training & Demonstration
Heavy Weed infestation noticed and not maintain timely	Creating awareness about recommended chemical weed management	Training & Demonstration	

6.3. Horticulture Production System.

Crop	Critical Gap	Strategic issue	Strategies
CITRUS	Lack of diseases free planting material	Production of disease free planting material on Govt. nursery & University	Strengthening of nurseries for disease free planting material under N.H.M , Training
	Improper irrigation practices	Encouraging farmers for control irrigation system	Training
	Citrus decline	Nutrient management, disease&pest management, Irrigation management, cultural practices	Rejuvenation under NHM Training
	Post harvesting management	Picking, Grading, packing, Cooling, Handling, Proper storage Transport & marketing.	Awareness campaign
TOMATO	Excess use of fertilizer	Application of recommended dose of	Training, Demonstration

		fertilizers & org. manure	
	Non use of micronutrients	Application of recommended micronutrients	Soil testing, Training & Demonstration
	Glut in market	Tapping of distance market through FIG	Training, processing for value addition
BANANA	Poor quality planting material	Use of tissue culture planting material	Training
	Improper nutrient management	Use of liquid fertilizer through micro irrigation system	Training
	Post harvest management	Processing & marketing to avoid glut in market	Training
ONION	Poor nursery management	Proper raise bed not prepare	Training
	Fertilizer management	Use of potash is very less	Training
	Improper storage structure	Rotting of bulb due to faulty storage	Training, Demonstration
CHILLI	Lack of disease free Nursery material Poor Nursery Management IPM	Sucking pests & disease problem in nursery bed	Training

7. List of location specific thrust areas :

- a. Improvement of productivity and income of farmers in the existing enterprises and farming system.
- b. Diversification and intensification of existing farming system.
- c. Sustainability in productivity /income.
- d. Natural resource management.
- e. Financial sustainability
- f. Marketing system.
- g. Community organization
- h. Human resources.
- i. INM
- j. IPM
- k. Seed multiplication & application
- l. Marketing Systems
- m. Farmers' organization.
- n. Post harvest Problem

8. List of location Specific Training needs

Sr. No	Sector	Interventions
1	Cotton	1. Use of straight varieties. 2. One varieties & one village programme 3. ICM in Cotton 4. Inter cropping of Pigeon pea, Green gram & Black gram 5. FFS with INM. 6. Maintenance of plant spacing 7. Agriculture productivity & sustainability. 8. IPM for Pest management
2	Soybean	1. Seed concept. 2. In situ moisture conservation 3. Plant population concept. 4. Inter crop with Tur / Jawar to improve micro climate & to facilitate, spraying 5. Use of PGR 6. Soy Processing
3	Tur	1. wilt resistant high yielder varieties 2. Short duration varieties in irrigated area. 3. Increasing seed replacement ratio 4. Dalmill as cottage industry.
4	Wheat	1 seed gram concept. 2. Timely sowing i. e. before end of November. 2. Flour preparation of quality wheat 3. Wheat processing 4. ICM in wheat crop
5	Gram productivity	1. Building concept of plant population on war footing 2. Protective irrigation at sowing flowering & pod filling. 3. Timely sowing with zero cultivation immediately after harvest of soybean. 4. Use of ICM & IPM technology
6	Summer groundnut	1. Use of Micronutrient & Gypsum 2. Use of Mulch plastic / trash mulch 3. Promotion BBF cultivation 4. Use of sprinklers for bold peanuts for chikki production.

7	Horticulture	1. Production & planting of disease free quality planting Material. 2. Irrigation & nutrient management 3. Post harvest management of fruits & orchard
7.1	Orange	1. Marketing through federation of co-operative societies.
7.2	Banana	1. Use of tissue culture varieties 2. Nutrient management. 3. Marketing though federation of co-operative societies.
7.3	Papaya	1. Genuine planting material 2. Nutrient management
7.4	Turmeric	1. Introduction of new high yielding varieties with more curcumin percentage other than Waigaon, Krishna, Selam. 2. Scientific processing of turmeric to be introduced
7.4	Floriculture	Area Expansion under cut flowers, loose flowers, bulbous flower in open as well as protected space in cluster.

KRISHI VIGYAN KENDRA, YAVATMAL – AT A GLANCE

Krishi Vigyan Kendra, Yavatmal was established by ICAR in the year 1st April, 2005 for Yavatmal district under Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola.

9. Demonstration Units at KVK Yavatmal :

9.1) Goatry Unit:

The goatry unit was established in 2005 at Krishi Vigyan Kendra, Yavatmal. Since then this unit 50 goats were sold to the farmers and Rs. 193876/- income is realised. A programme of increasing the more no. of productive females is under implementation in the unit to fulfill the demands of the farmers. Presently 10 productive females 6 males and 5 kids are available in the goatry unit. Two hundred fifty farmers during this year visited this demo, most of them have motivated to establish Goatry unit.

9.2) Poultry Unit :

Poultry unit established at Krishi Vigyan Kendra, Yavatmal in the year 2017-18 which Specialy characteristics the new Poultry breed like Kadaknath keeping this view to awareness among the farmers about this improved poultry breed having rich in protein and sturdy so it will create the small scale poultry business in the Yavatmal districts.

9.3) Azolla culture production and demonstration unit :

As azolla has very good nutritive value for animal and it can be used as source of proteins (25-37%), minerals (10-15%) and Amino acids (7-10%) which effects on increasing the milk yield in milch animal, weight gain in goat and poultry and useful for increasing the quality and quantity of egg also. The feeding of azolla to the animal is also useful for minimizing the cost of production on milk. Therefore it can be used as a subsidiary feed for animal. Looking to the nutritive value of azolla a demonstration cum azolla culture production unit has been established at KVK, Yavatmal. More than 700 farmers visited to Azolla cultivation unit who were motivated by KVK for multiplication. During current year KVK, Yavatmal provided the Azolla to the farmers of Akola, Amravati, Wardha, Buldhana, Osmanabad and Yavatmal District for production and feeding to the animal as a low cost feed. Further other KVK also like Durgapur had also been supplied by this centre.

Different trainings on Azolla production and feeding was organized at KVK, Yavatmal for practicing farmers and extension workers in the field of animal science i.e. all LDOs of Z.P. and State animal husbandry department of Akola and Yavatmal. Farmers were aware of this azolla through Exhibition, Krishi melava, Training, KisanGoshti, Leaflets etc. In this year 2017-18

9.4) Fodder Crop Cafeteria : Crop Museum is maintained to show the performance of different improved varieties of different fodder crop like multicut sorghum (COFS- 29), Marvell 06-40, PhuleGunwant, Berseem, Lucern, Stylo, Maize (African tall) etc. cultivated at Krishi Vigyan Kendra, Yavatmal farm.

9.5). Hydroponic Unit:

Hydroponic unit establishment 2016-17 at Krishi Vigyan Kendra, Yavatmal. The objective of hydroponic technique for growing of green fodder during scarcity condition and also provide the green fodder through out the year to livestock and increase milk yield. Krishi Vigyan Kendra going to aware this technology among the farmers in the Yavatmal districts and through training programme

9.6) Mushroom Unit: -

Mushroom unit established at KVK, campus for disseminating Oyster production technology for farmer, rural youth and farm women to generate Agrobased entrepreneurship development. Training programmes and method demonstration programmes for the interested registered farmers are frequently conducted at KVK Yavatmal. The result comes out by establishment of 77 Mushroom production units in the different taluka in Yavatmal district.

9.7) Sorghum Processing Unit:-

Agriculture Commissionerate, Pune supplied Machinery of Sorghum processing under Minor Millet Promotion Scheme at Krishi Vigyan Kendra, Yavatmal. Five Machines i.e. Destoner, Dehuller, Pulverizer, Shifter & Packing sealing unit are installed respectively. The unit works for cleaning of Jowar, & gives best results for polishing of Black Jowar. By using Pulverizer, different types of flour like Dalia, Suji, Rawa & refined flour of sorghum could prepared. The Sorghum processing demonstration unit was shown to Farmers and rural youth under various training programmes on Post Harvest technology with a view to develop entrepreneurship. Till now 801 farmers visited the unit at KVK, Yavatmal campus.

9.8) Vegetable Cafeteria (Nutritional Garden) :

According to Action plan suggestion by Dr. P. G. Ingole Sir, Vegetable Cafeteria established at Krishi Vigyan Kendra, Yavatmal. Spinach, Fenugreek, Coriander & Dev Ambadi, chawadi were grown in the cafeteria. Wild vegetable (Ran Bhaji) like Red leaf Amaranthes & Green Leaf Amaranthes, Tandul Jeera also grown in the vegetable cafeteria.

9.9) Vermicompost Unit :-

Vermicompost unit establish during 2016-17 in Krishi Vigyan Kendra, Yavatmal. The unit was established with an objective of production of organic manure and conduction method demonstration on vermicompost production. Visiting farmers observed the unit and developed their own unit in Babhulgaon tehsil through a method demonstration

9.10) Soil Testing Laboratory:

Static Soil Testing laboratory during 2005-06 and Under Manav Vikas Mission Programme two Mobile Soil Testing Laboratory (MSTL Van) also established at Krishi Vigyan Kendra, Yavatmal during 2011-12. The Available soil Testing laboratory facilitated the analysis of major Nutrient Viz, Available Phosphorous and Potassium and also pH, EC, OC(%), and free Calcium Carbonate and Micronutrient analysis were conducted in the laboratory. During the 2017-18, total 2835 soil samples are analyzed at KVK, Yavatmal from both the Static and Mobile Soil Testing Laboratory. Details of No. of Major and Micronutrient Sample Analyze and Fund generated at KVK, Yavatmal as per following table.

SN	Sample	No. of Sample	Amount Rs realized
1	NPK analysis	425	63750
2.	NPK + Micro nutrient analysis	2410	661940
	Total	2835	725690

9.11) Crop cafeteria:

Crop Museum is maintained to show the performance of different improved and hybrid varieties of the University & ICAR. During kharif& Rabi Season. In Rabi Season of 2017-18, varieties of Chickpea like AKG-46, JAKI-9218, SAKI-9516, Gulak-1, AKGS-1, PKV-Harita, Chafa, PDKV Kanchan Wheat varieties HD-2932, AKW-1071 and AKW-3722, WSM-1472, AKW-4627, Safflower- AKS-207, Mustard - ACN-9, Linseed - NL-260 etc. were demonstrated in the crop Cafeteria.

9.12) Bio Control Unit :

Bio control unit established at Krishi Vigyan Kendra, Yavatmal during 2017-18. For the control of pest, Yellow Stricky Traps, Bio Pesticide like NSKE (Neem Seed Extract), Dashparni Ark, Pheromon Traps, Light traps etc. were developed for awareness of farmers about IPM low cost technology.

Review of 2017-18

10. Achievements of KVK, Yavatmal

1. Krishi Vigyan Kendra, Yavatmal conducted **17 OFTs** Programme on 41.686 Hacters From this **198** farmers are benefited
2. Krishi Vigyan Kendra, Yavatmal conducted **23 FLDs** Programme on **149.2** Hacters From this **498** farmers are benefited
3. Krishi Vigyan Kendra, Yavatmal Conducted **128** training programme for farmers rural youth, Extension functionaries on Practises farmers from the training **3202** farmers are benefited during this Year.
4. KVK, Yavatmal bagged 1st Prize in Technology dissemination through maximum circulation of Krishi Sanwadini, 2017-18 in Mega Agrotech Exhibition, organized by Dr. PDKV, Akola during 27-29th December, 2017
5. KVK regular Contact farmer ShriSaurabhThakare, Yavatmal, SauVidyaUjawane Yavatmal, Awarded Late ShriBhauasaheb Mane Pratishthan 'ShetimitraSanman, 2017' for contribution in agriculture
6. As per the directives of ATARI, Pune conducted Sankalp Se Siddhi Programme, World Soil Day, Parthenium Week, Swachh Barat Abhiyan,
7. Proposal for nodal training institute for franchisee DAESI programme sent to vanamati vide letter NO. PC/KVK/Ytl/Est/897/2017 dated 28.02.2017 through PD ATMA, Yavatmal.
8. The Azolla-proteinous livestock feed is being supplied to eight districts i.e. Akola, Amaravati, Buldana, Wardha, Washim, Chandrapur, Osmanabad and Yavatmal in our region by KVK, Yavatmal Azolla production centre.
9. About 592 farmers have started production of Azolla for feeding their animal feed due to efforts made with various trainings, demonstration by KVK, Yavatmal first time introduced use of azolla as livestock feed in the district. KVK, Yavatmal also distributing azolla to the other than home district.
10. In the year 2017-18 large number offarmers started there poultry unit with low cost technology supported by KVK.
11. Widely increased in cultivation area under Turmeric crop due to intervention of KVK through training programmes, Hello Kastakar, AIR broadcasting, SMS services, distribution of folders and other extension activities.
12. Created awareness regarding protected cultivation, its economic importance through training programmes, as a result area under protected cultivation via erection of shade net house increased as installed 6 this year and brought under cultivation of vegetable crops.
13. Use of non-chemical components like yellow sticky traps, pheromone traps, use of botanical insecticides for the low cost and effective management of insect pests were widely increased in the villages through OFT,FLDs farmers trainings intervention.
14. Farmers and farm womens are adopting and promoting Apiculture and Sericulture entrepreneurship due to various trainings, demonstrations conducted by KVK Yavatmal.
15. Successful implementation of Awareness campaigns on safety use of pesticide and integrated pink bollworm management in the Yavatmal district with line departments.
16. There is increased awareness in respect of use of processed soybean in daily diet i.e. use of soy atta, soy milk etc amongst the urban and rural farm women and farmers in the district. Two small unit of soy processing is effectively working in the district.

17. Awareness in respect of processing and value added product making from seasonal fruits and vegetables. Nine group of SHG initiates the small processing unit on order base.
18. Farmers and farm women from the adopted villages are largely adopting the drudgery reducing implements for agriculture and household activities. The technology spreads in the whole district.

11. Summary 2017-18

11.1 On-farm Testing Technology Assessment : 17

Discipline	Thematic Area	Crop/Enterprise	No. of technologies to be assessed	No. of trials/ farmers
Agronomy	Response of Cotton (Bt) to application of Sulphur under rainfed condition.	Cotton	01	15
	Soil incorporation of soybean straw in chickpea.	Chickpea	01	15
Horticulture	Assessment of late Kharif onion	Onion	01	13
	Assessment of coriander var. Pant haritama for higher production	Coriander	01	13
Plant Protection	Management of leaf hoppers and whiteflies on Okra	Okra	01	07
	Management of stem fly and girdle beetle on soybean	Soybean	01	13
	Management of whiteflies on Bt cotton	Cotton	01	13
	Management of leaf hoppers and thrips on groundnut	Groundnut	01	13
AHDS	Assessment of introduction of new variety PhuleGunvant for fodder production	PhuleGunvant	01	13
	Assessment introduction of new fodder crop (shrub) Dasharath (Desmanthusvirgatus) var. Velimasal for goat.	Dasharath	01	13
	Performance of improved variety of marvel grass under rainfed condition	Marvel grass	01	13
Agriculture Engineering	Assessment of tractor drawn Slasher	Slasher	01	06
	Assessment of Fruit Grader	Fruit Grader	01	10
	Assessment of TNAU turmeric Boiler	Turmeric Boiler	01	06
Home Science	To assess the effect of Soy enriched products i.e. Soya PohaLadoo& Soya Cookies on moderately malnourished children through Anganwadi (3-6 yrs)		01	21
	To assess the suitability of mittens in harvesting of Soybean.		01	07
	To assess the effectiveness of Low Cost Bamboo Solar Dryer on Dehydration of house hold products.		01	07

		TOTAL	17	198
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11.2 Front Line Demonstrations: 23

Season	Category	Crop/Enterprise	No. of demonstrations	Area (ha)
Kharif	Pulses	Green Gram (Agro)	50	20.00
		Green gram + Desi cotton (Agro)	25	10.00
		Pigeon Pea (Agro)	75	30.00
		Pigeon Pea (PP)	13	5.2
	Oilseed	Soybean(PP)	13	5.2
	Vegetable	Lima bean (Horti)	10	1.00
Rabi	Pulses	Chickpea (NFMS) (Agro)	50	20.00
		Chickpea (RKVY)(Agro)	50	20.00
	Vegetable	fenugreek (Horti)	10	2.00
		Onion (Horti)	25	10.00
		BhendiPlucker (Home Sci.)	25	--
	Pulses	Chickpea (PP)	13	5.2
Summer	Oilseed	Groudnut (PP)	13	5.2
	Vegetable	portable fruit and vegetable preservator (Home Sci)	05	--
Geneeral	Azolla	Azolla (AHDS)	10	--
	Azolla	Azolla (AHDS)	25	--
	Poultry	Giriraja bird (AHDS)	15	--
	Fodder crop	CO ₄ (AHDS)	25	--
	Implement	BBF Planter (AE)	11	4.4
	Implement	Wheel hand hoe (AE)	13	5.2
	Implement	Dhanlaxmi (AE)	13	5.2
	Apron	Cotton picking (Home Sci)	15	--
	sapling trans planter	sapling trans planter (Home Sci)	05	--
		Total	498	149.2

12. Training

12.1 Off campus programmes (inclusive of vocational and sponsored programmes)

Client	Discipline	No. of	No. of Participants		
			Male	Female	Total
Farmers and farm women					
	Agronomy	08	242	73	315
	Horticulture	03	48	25	73
	Plant protection	23	317	127	444
	AHDS	13	205	49	254
	Agriculture Engineering	03	47	27	74
	Home science	06	24	128	152
	Extension Education	04	67	26	93
	Total	60	950	455	1405
Rural Youth					
	Agronomy	02	37	18	55
	Horticulture	01	15	6	21
	Plant protection	04	37	16	53
	AHDS	03	34	11	45
	Agriculture Engineering	02	23	19	42
	Home science	03	21	49	70
	Total	15	167	119	286
Extension Functionaries					
	Agronomy	01	24	06	30
	Plant protection	02	27	13	40
	AHDS	01	19	9	28
	Agriculture Engineering	01	18	11	29
	Home science	02	12	28	40
	Total	07	100	67	167

12.2 On campus programmes (inclusive of vocational and sponsored programmes)

Client	Discipline	No. of courses	No. of Participants		
			Male	Female	Total
Farmers and farm women					
	Agronomy	02	27	17	44
	Horticulture	01	18	13	31
	Plant Protection	08	137	43	180
	AHDS	04	67	23	90
	Agriculture Engineering	03	85	21	106
	Home science	05	26	125	151
	Extension Education	02	48	15	63
	Total	25	408	257	665
Rural Youth					
	Agronomy	01	25	19	44
	Horticulture	01	16	19	35
	Plant protection	02	45	13	58
	AHDS	02	38	16	54
	Agriculture Engineering	02	43	28	71
	Home science	02	13	39	52
	Extension Education	01	26	12	38
	Total	11	206	146	352
Extension Functionaries					
	Plant protection	02	46	19	65
	AHDS	03	68	23	91
	Agriculture Engineering	02	48	18	66
	Home science	03	12	83	95
	Total	10	174	143	317

12.3 Total programmes (Off Campus + On Campus)

Client	Discipline	No. of courses	No. of Participants		
			Male	Female	Total
Farmers and farm women					
	Agronomy	10	269	90	359
	Horticulture	4	66	38	104
	Plant protection	31	454	170	624
	AHDS	17	272	72	344
	Agriculture Engineering	6	132	48	180
	Home science	11	50	253	303
	Extension Education	6	115	41	156
	Total	85	1358	712	2070
Rural Youth					
	Agronomy	3	62	37	99
	Horticulture	2	31	25	56
	Plant protection	6	87	29	116
	AHDS	5	72	27	99
	Agriculture Engineering	4	55	47	102
	Home science	5	34	88	122
	Extension Education	1	32	12	44
	Total	26	373	265	638
Extension Functionaries					
	Agronomy	1	24	6	30
	Plant protection	4	73	32	105
	AHDS	4	87	32	119
	Agriculture Engineering	3	66	29	95
	Home science	5	24	111	135
	Total	17	274	210	484
	Grand Total	128	2015	1187	3202

13. Extension Activities

Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	01	27	07	34	02	0	02	29	07	36
KisanMela	02	615	87	702	06	02	08	621	89	710
KisanGhoshthi	05	198	43	241	02	0	02	200	43	243
Exhibition	03	1863	237	2100	53	17	70	1916	254	2170
Film Show	02	270	47	317	05	0	05	275	47	322
Method Demonstrations	02	37	12	49	--	--	--	37	12	49
Workshop (Monthly)	06	361	91	452	15	--	15	376	91	467
Group meetings	02	36	09	45	--	--	--	36	09	45
Lectures to be delivered as resource persons	105	5196	2075	7271	67	15	82	5263	2090	2090
Newspaper coverage	63	--	--	63	--	--	--	--	--	63
Radio talks	20	--	--	20	--	--	--	--	--	20
TV talks	09	--	--	09	--	--	--	--	--	09
Popular articles	07	--	--	10	--	--	--	--	--	10
Extension Literature	06	--	--	06	--	--	--	--	--	06
Scientific visit to farmers field	37	215	27	242	--	--	--	215	27	242
Farmers visit to KVK	57	763	260	1023	--	--	--	763	260	1023
Diagnostic visits	69	215	--	215	17	--	17	232	--	232
Exposure visits	03	40	--	40	--	--	--	40	--	40
Soil health Camp	02	45	13	58	--	--	--	45	13	58
Animal Health Camp	--	--	--	--	--	--	--	--	--	--
Self Help Group Conveners meetings	03	145	37	182	--	--	--	145	37	182
Celebration of important days (specify)World food day	--	--	--	--	--	--	--	--	--	--
Celebration of Technology Week 25-30 Sept 2017	01	216	46	260	06	--	06	222	46	268
Women in Agriculture Day	01	12	74	86	--	--	--	12	74	86
Kisan Mobile Advisory	09	4335	--	4335	--	--	--	4335	--	4335
Agro Advisory Services (with the help of Reliance foundation)	19	45000	--	45000	--	--	--	45000	--	45000
Sankalp Se Siddhi (26 Aug 2017)	01	1325	265	1590	26	22	48	1351	278	1629
Farmer Scientist interaction	02	84	23	107	--	--	--	84	23	107
Parthenium Awareness week (16-22 Aug 2017)	01	127	31	158	--	--	--	127	31	158
Krishi SamruddhiMahostrav (17-21March 2018)	01	--	--	--	--	--	--	--	--	--
Total	439	61125	3384	64509	199	56	255	61324	3431	64755

14. Extension Activities

14.1 Literature and mass media coverage:

a) **Publication-Folders:** During the year folders on Kukkutpalan Vyavsay Vyavasthapan, Shendri (Gulabi) bond alicheekatmikaniyoyjitvyavsthan, Poultry farming profitable business, Kidnashakachi Kharedi, Hatalni v Favarni Kartanna Gyavayachi Kalaji

b) **Broadcast on Akashwani (AIR):** Farmer's queries were replied immediately through Hallo Kastkar programme. Interviews and Hallo Kastkar programme 20 were Broadcasted on AIR, Yavatmal during this year concerning to effective use of cotton picking apron, Mashroom Cultivation on Soybean Straw, Scientific cultivation technology for onion and garlic, Chickpea seed production, Rabi Kad Dhanyavaril Kidiche Vyavsthan, Pik Sanvarakshanamadhe Pivlya Chikat Saplyache Mahatav. Feeding Management of Livestock, Shendri Bond Ali : Bt Kapashivaril Kid Vyavsthanatil Shetkaryasamorche Nave Aavahan, Summer Groundnut and sesanum production, Unhali Bhaimugavaril Pramukh Kiddche Ekikrut Vyavsthan, Madhamashipalan Ek Fayadeshir Dhand, etc.

c) **Telecast on TV:** last year 9 TV talk telecast on following topics Hydroponic fodder technology , Soyabinvaril Khodmashiche Niyantran, Kitaknashake fawartanaghyavayachikalji, Kapshivaril shendri bond alicheniyantran, Live Phone in Programme (Reliance Foundation), Poultry management, Goat Farming, Bore well recharging technology, Sesamum production technology

d) **News paper coverage:** Information on different extension activities run by KVK, Yavatmal like Training programmes organized off campus and on campus, Kharif and Rabi melawa, Exposure Visit, workshop, farmers meet, Nutrition week, Woman in Agriculture Day, Kisan/Mahila Gosti and so others activities were made more popular through vast news paper coverage. Apart from this various agriculture crop production and pest management technology also disseminated through daily local news papers prominently including Lokmat, Sakal, Deshonnati, Lokdoot and Times of India, Agro won, etc.

14.2 On line Phone in radio Programme "Hallo Kastakar":

This service initiated in joint collaboration by AIR, Yavatmal, KVK, and ZARS Yavatmal. The Programme is recorded on phone during 03 to 04 pm at every Friday of each month and broadcasted at every Saturday and Sunday. The concerned scientist's address the farmers, queries received by telephone during the programme.

During the reporting period, 625 farmers have been directly benefited from 48 broadcastings of this programme, in year. The queries represent certain common problems technology on plant protection and production, technology of horticulture and field crops. It is worth to mention that the Akashwani of Yavatmal is heard by more than 22 lakh of listeners of Yavatmal and adjacent districts.

15 Other Extension Activities:

15.1 World Soil Day "5th Dec.. 2017"

On 5th December 2017, Krishi Vigyan Kendra, Yavatmal, DSAO, Yavatmal and Project Director, ATMA, Yavatmal Jointly organized the **WORLD SOIL DAY AND PRE RABI SEASON CAMPAIGN 2017-18** Programme at Krishi Vigyan Kendra, Yavatmal. The programme was inaugurated by Dr. Rajendra Gade Associate Dean, VNCABT College, Yavatmal. In this context the Soil Health Card distribution programme also conducted by KVK, Yavatmal. The data of analyzed soil sample of farmers was narrated in the Soil Health Cards and the same card distributed by the hand of dignitaries. Total 240 number of farmer attained this programme from the Yavatmal district & other district. In noon hour, Farmer Scientist Interaction was organized in which Dr. S. U. Nemade,

Dr.N.A. Hirwe, Dr. PramodMagar, Mrs. NilimaPatil, Dr. N.S. Deshmukh, Dr. S.S Wane, ShriMayur Dhole interacted with farmer delivered speech on various topic related to Rabi season crops production.

15.2 Chickpea- FLD Field visit: -

KVK Yavatmal organized farmers field visit at village Raveri Tal. Ralegaon on 04.01.2018 in presence of Mr. Sachin Chide BAIF Representative, progressive farmers Mr.PandurangUnde along with 34 farmers of villages. During this programme Dr. N.A. Hirwe SMS (Agronomy) interacted with farmers and suggested the solution for their problem regarding chickpea management. Dr. PramodMagar gives guideline for Gram pod borer management and also on care to be taken while handling of pesticide. On word farmer's field visit was organized on the farm observed the performance of ICM practices in Chickpea (Var. Akash) on farmers field.

15.3 Fodder Treatment :

Keeping in view the scarcity of fodder, the available waste of farm can be utilized for livestock's for maintaining cattle and their health. Training and demonstrations were undertaken for the processing and preservation of fodder like treatment of urea on wheat silage making technolostraw for increasing digestibility and palatability of wheat straw, treatment on soybean straw etc. training were conducted in at KVK

15.4 Pre MansoonKharifMelawa:-

On the dated 24th May 2017 Krishi Vigyan Kendra, Yavatmal organized Pre MansoonKharifMelawa at KVK, Campus. The Programme was chaired by Smt. N. V. Patil, programme coordinator, KVK,Yavatmal and Inaugural by R.M. Gade, Associate Dean , VNCABT, Yavataml as a chip guest Shri. P. M. Deshmukh, Dist. Manager ,Mahabheej, Yavatmal. For said programme address on Production technology in kharif crop, enterpunaship development through dairy and importance of soil testing.

15.5Swachh Bharat Abhiyan

Krishi Vigyan Kendra Yavatamal has been conducted "Swachha Bharat Abhiyan" during 17 Sept.-02 Oct .2017 at Krishi Vigyan Kendra. In SwachhtaPakwadaVasantraoWadhaphaleCollege of AgrilcultureYavatamal participated .The programme was conducted under the chairmanship of Dr. S. U.Nemade Programme Coordinator Krishi Vigyan Kendra, Yavatmal addressed on "Making India clean and healthy place for living is the responsibility of every citizen and create awareness among the Staff". Swachha Bharat Abhiyan Mission on Water Conservation. In the presency with chairman we are cleaning of office and cleanliness in Campus, Residential areas &water tank.

15.6 Celebration of Parthenium week:

Krishi Vigyan Kendra, Yavatmal orginiesd eradication of Parthenium week during 16 -22 August 2017 at Krishi Vigyan Kendra Campus in thisprograme we are participated rural youth of Agriculutre college of Darwha for creating awareness.

15.7 New India Manthan - Sankalp Se Siddhi

New India Manthan - Sankalp Se Siddhi programme was organised at Krishi Vigyan Kendra, Yavatmal-1 on dated 26thAugust 2017 at Shri. SatyasaiKridaRanjanGruhaDr. Nandurkar School Yavatmal.Union minister of Home Affairs Shri.HansarajjiAhir inaugurated the programme Resp. Shri. MadanYerawar, State minister of Energy, Tourism, Food& Drugs & PWD was in Chair. The auspicious presence of Dr. D. M. Mankar, DEE, Dr. PDKV, Akola, Shri. DipakSingala IAS, CEO ZP, Yavatmal & four MLAs, all BDOs, all SDAOs, DSAO, DIO, all ZP members, all PanchayatSamittee members, all Sarpanch from 1098 Grampanchayats with farmers of Yavatmal district.Programme was started by University song and audio visual film of Sankalp Se Siddhi was played for the house followed by the message of our Honorable Prime Minister Mr. NarendraModiji. Pledge of Sankalp Se Siddhi

was given by Dr. D. M. Mankar Director of Extension Education, Dr. PDKV, Akola to the present participants. Addresses given by Shri.HansarajjiAhir and Shri.MadanYerawarji CEO Singala, DEE. Dr. D. M.Mankar&Programme Coordinator. Kishi Vigyan Kendra, Yavatmal

15.8 Unnat Krishi Mela & Web telecasting:

The Prime Minister of India Hon' ble Narandra Modoji addressing remark on dated 17/02/18 through video conference on occasion of Unnat Krishi Mela from Dehli

15.9 Participate in Agriculture Exhibition

1. Krishi Samruddhi Agriculture Mahostav 2017: KVK arrange Stall in . Krishi Samruddhi Agriculture Mahostav during 8-13 April 2017 at Wani.

2. AGROTECH 2017: KVK arrange Stall in . State level Agriculture Exhibition during 27-29 December 2017 at Dr. PDKV, Akola

3. Yavataml Agriculture Mahostav 2018: KVK arrange Stall in . Yavatmal Agriculture Mahostav during 17-21 February 2018 at Yavatmal.

16) Innovative technologies implemented by KVK, Yavatmal

16.1) Agro- advisory services:

KVK, Yavatmal is running agro advisory services successfully. During the last year in connection with reliance foundation Yavataml we are reach 45000 Farmers in Yavatal districts. Through Kisan Mobile Advories service 4335 farmers to reach.

16.2) Exposure visits to KVK:

Different schools and college students visited to KVK, Yavatmal in Study tour programme organized by them. During the year students from Schools of scholars, Agriculture School, Darwha, All the SMS guided the students regarding the respective disciplines ongoing activities and agricultural technology.

16.3) Monthly sandesh to Agriculture Department:

KVK SMS acts as a Master trainer for Horticulture and Plant Protection discipline for Yavatmal district, & attended monthly workshop and field visits organized by State Agriculture Department, Yavatmal through Extension Agronomist, Yavatmal. Accordingly submitted and addressed the extension officials regarding monthly messages about Horticulture Crop Production and Management and Plant Protection measures for Horticulture and Agronomic crops.

17. SUCCESS STORIES

1) Processing and Value Addition

Name :- Sau. VidyaShrikrushUjavane

Address :- Sahakan Nagar, Lohara, Yavatmal

Contact No. :- 09604747142

Age :- 29 Years

Education :- 12th



Guidance of Krishi Vigyan Kendra

- Guidance and training about the processing and value addition in being given in KrishiVigyan Kendra, Yavatmal.
- Two days training Programme on processing and Value addition was attend by Miss. VidyaUjavane in Krishi Vigyan Kendra, Yavatmal about Mni Dal Mile
- She Also attended 2 days training programme on Agriculture allied business in Krishi Vigyan Kendra, Yavatmal.

Achievement

- Business started in January 2017
- She in doing value addition and marketing successfully.
- Now she is doing business of preparation & Marketing of *Sankarpade, Khastapuri, Karanji, Chivada, Chauraphali, Chakali, JwariKharoli, BajariKharoli, Anarse, Ladu (Besan), UlidPapad, MungPapad, Sabudana, BatataPapad*
- 9 to 10 kg of processed food is being selling @ Rs 200/- kg.
- She earns 9 to 10 Thousand net profit per month from this business.

Value Addition of Processing food

Mrs. VidyaUjavane is a house wife but she was always interested in processing food and its marketing. In this regard she visited Krishi Vigyan Kendra, Yavatmal and meet subject matter Specialist of Home Science department. Subject Matter Specialist (Home Science) guided her and suggested to attending training on processing and value addition training at Krishi Vigyan Kendra, Yavatmal.

Miss. VidyaUjavane, attended 2 days training on “ Small Scale business management for the women” in this training value addition and processing of food material were covered again she was attend training on “ Business of Agricultural Products and Successful Entrepreneurship”

She was inspired in theses training and started Business from January 2017 investing only Rs 5000/-. Now she earns 9-10 thousand per month net profit from business.



2.Manufacturing of self-Operated Sprayer

Name :-Shri. SaurabhSubhashThakare

Address:- At post -WarudJahageer, Tq.-Ralegaon,
Dist.- Yavatmal

Contact No:- 09822761874**Age :-** 24 Year

Education :- Graduate **Land holding :-** 22 Acre

Source of Irrigation :- Open well

Guidance of Krishi Vigyan Kendra :

- Due to technical guidance and motivation Scientist in Krishi Vigyan Kendra, Yavatmal decision was taken to design and manufacture the self-operated Sprayer.
- Self operated Sprayer was manufactured firstly in 2015 according to the guidance of Scientist in Krishi Vigyan Kendra, Yavatmal.
- During the manufacturing of sprayer time to time guidance was given by Krishi Vigyan Kendra, Scientist for the required implements, tools, Capacity of watch utilization and every consumption

Achievement :

- Manufacturing of self operated sprayer was started I year 2016
- First successful trail was taken on own field.
- Self operated sprayer in useful for the *Kharif* and *Rabi* crops
- Nozzle can be move upward or downward according to the growth stage of crops.
- Spraying can be done as per the crop growth stages.
- In villages, this sprayer has been used by 50-60 farmers free of cost.
- Approximated cost of sprayer in about Rs 51, 000/- with engine 3 HP, water tank 60 liter & 1 HTTP pump.

Feedback from farmer:

Shri.SaurabhSubhasThakare is doing Engineering. He is also interested in manufacturing the farm implements. For this purpose he visited Krishi Vigyan Kendra, Yavatmal and he discussed with the scientist in Krishi Vigyan Kendra. During this discussion Krishi Vigyan Kendra Scientist suggested him to design and manufacture some implements which will be useful for the farmers. According to this he inspired and design self operated sprayer and after that manufactured it.

Some benefits of the self-operated sprayer is as follows.

- It saves time to spraying. oneacre area can sprayed in 35 to 40 min only
- It saves money one acre all of soybean crops is being sprayed by traditional method is manual spraying needs 220 Rs as labour cost and with this self-operated sprayer for 1 acre it needs 300 ml petrol which is about Rs 21. It means it saves 199 rupees.



18 K. V. K.Linkages: 53

SN	Name of Organization	Nature of Linkage
1	District Superintending Agricultural Officer, Yavatmal	A member of Scientific Advisory Committee. Organizes sponsored trainings. Participation in trainings as Master Trainers, organizing joint fortnightly visits to farmers fields and extending technical support in plant protection and related agricultural problems Two farm ponds under EGS are sanctioned and dug. Obtained NSK powder from T.A.O., Darwha., Activity evolved in action plan of mealy bug by management under programme coordinator ,KVK, is a & also for organization of Krishi Doot Training.
2	Project Director, Agricultural Technology Management Agency (ATMA), Yavatmal	Member of Scientific Advisory Committee. Held weekly meeting regarding agricultural development in the District Collector office. Undertaken a joint programme on mass media communication for dissemination of agricultural technology with the involvement of A.I.R., Yavatmal prepared strategic research and extension plan (SREP) of Yavatmal district for implementation under ATMA.
3	District Sericulture Development Officer, Yavatmal	Member of Scientific Advisory Committee programme jointly organized to motivate farmers for sericulture entrepreneurship and scheme convergence.
4	District Fisheries Development Officer, Yavatmal	Member of Scientific Advisory Committee motivating KVK farmers for scheme convergence.
5	Department of Animal Husbandry, Yavatmal	Member of Scientific Advisory Committee the veterinary sciences are utilized by KVK for animal health camps.
6	Agricultural Development Officer, ZillaParishad, Yavatmal	Member of Scientific Advisory Committee. Participation in meetings, seminar and conduction of diagnostic team visits. Obtained land use and crop cultivation record of the district.
7	Department of Social Forestry, Yavatmal	Member of Scientific Advisory Committee. Extended technical guidance on the problem of drying of teak wood plantation programme executed.
8	M.A.I.D.C. Ltd., Yavatmal	Obtained agro-chemicals for research and demonstration purposes. Joint programme of Krishi Melawa.
9	M.S.S.I.D.C. Ltd., Yavatmal	Member of Scientific Advisory Committee .
10	C.I.C.R., Nagpur	Member of Scientific Advisory Committee. Obtained publications and literature on cotton crop.
11	N.R.C.C., Nagpur	Member of Scientific Advisory Committee. Obtained publications and literature on citrus.
12	All India Radio, Yavatmal	Member of Scientific Advisory Committee. Broadcast the message related to agriculture, radio talks and participation in question and answer / farmers queries programme.
13	Press Information Bureau, Yavatmal	Publicity of popular articles from time to time and occasional interviews of Training Organizer of this KVK centre.
14	NEERI, Nagpur	Defloridation Technology and household unit of water.
15	NHB and NHM	Funding agency for establishment of nursery at KVK, Yavatmal
16	National Medicinal and Aromatic Plant Board	Provide resource persons for different horticultural programmes conducted under NHM.
17	MSSCI, Yavatmal	Act as a supply source of seed material of agronomical and horticultural crops to KVK, Yavatmal for farm demonstrations, OFT and FLDs.
18	ITC ChoupalSagar	Marketing of soybean grains. Extending technical support to ITC cultivators, training and Mela
19	NABARD	Formation KVK- NABARD farmers club and project sanctioning to KVK contacties.
20	ATMA	Funds mobilized for Innovative Extension Education programmes and entrepreneurship development
21	District Dealers Association, Yavatmal	Jointly organization training and Krishi Mela and Technology dissemination through Krishi Sanwadini distribution.
22	District Collectorate and revenue	As a ATMA distict member. Involvement of KVK in 'kkluvkiY;kknkjh programme.
23	Forest Department, Pandharkawada and Yavatmal Division	Introduction of Lac insects in many a forest range/s through programme of lac cultivation.

24	Joint Forest Management Committee	25 JFMC are under linking with KVK for Lac culture and other entrepreneurship development.
25	World Vision of India	Supporting technical knowledge how for livelihood and area development programme by entrepreneurship development.
26	SRTT	Services providing as a Resource Persons.
27	ChetanaOrganizaton, Ghatanji	Services providing as a Resource Persons.
28	Vikas Ganga, Ghatanji	Services providing as a Resource Persons.
29	Swaminathan Research Foundation Trust, Chennai (Branch Yavatmal)	Evolvement in Village Knowledge Bench, Promoting through SRTNVA Fellowship to KVK contacties.
30	Vidarbha Rural Reconstruction Trust, Kongara	Technical support and scheme convergence for farmers.
31	District Information Office	Technical dissemination and news publish.
32	Agro-One (Daily News Paper for farmers)	Jointly Krishi Mela organization and technical support in form of resource persons.
33	YASHADA, Pune	Nominated KVK as a District Resource Organization. Jointly organized the training programme under IWMP for farmers.
34	CIAE, Bhopal	Technical support and scheme convergence for farmers.
35	MAVIM, Yavatmal	SHG Training
36	SVNG Medical College, Yavatmal	Medical camp organization
37	PHC, Yavatmal district	Medical camp organization of OFT, FLD's
38	Cottage Hospital, Pandharkawda	Medical camp organization of OFT, FLD's
39	District Health Laboratory, Yavatmal	OFT, FLD's water testing
40	Health Laboratory, Yavatmal	Water Testing
41	MAU Parbhani	Technical FLD, OFT's
42	ANGRAU, Hyderabad	Technical FLD, OFT's
43	District Project Coordination Committee, Yavtmal	Nominated for DPCC
44	RCF, Ltd	Associated as a mass media for technology dissemination through KisanMelava and source of soil testing.
45	RCOF, Nagpur	Organic farming
46	ShramShaktiPratishthan, Wardha	Jointly organization of training programmes and technical support in form of resource persons.
47	Dist. Dairy Devlop. Officer	Technical support and scheme convergence for farmers.
48	APMC, Pusad	Jointly Krishi Mela organization and technical support in form of resource persons.
49	Veterinary Department	Sparing services in Training and Extension services of one other
50	ZilhaParishad, Agriculture	Invited member in Krishi Samiti of ZilhaParishad, heded by ZP Vice Chairman, working as a Nodal Officer in Agriculture Exhibition.
51	Community Social Responsibility Unit of Reliance Sector.	Providing platform of form cables for University's Technology Dissemination.
52	Reliance Foundation Regional Office, Yavatmal	Associated as a mass media for technology dissemination
53	Gram SudharMandal, Babhulgaon	Jointly organization of training programmes and technical support in form of resource persons.

19. Utilization of KVK funds during the year 2017-18

S.N.	Particulars	Sanctioned	Expenditure up to the Month of March 2018
A	Recurring Contingencies		
1	Pay & Allowances	97,00,000	87,22,593
2	Traveling allowances	1,67,000	1,35,128
3	Contingencies	4,00,000	3,91,172
4	Technical Programme	6,00,000	5,68,236
TOTAL (A)		108,67,000	98,17,129
B	Non Recurring Contingencies		
1	Works – Renovation of Building	--	--
2	Equipments including SWTL & Furniture	--	--
3	Vehicle (Four wheeler/Two wheeler, please specify)	--	--
4	Library (Purchase of assets like books & journals)	--	--
TOTAL (B)		--	--
Grand Total (A+B)		108,67,000	98,17,129

Status of revolving fund (Rs. in lakhs) for the three years

Year	Opening balance as on 1st April	Net balance in hand as on 1st April of each year
April 2015 – March 16	2587322	1771791
April 2016 – March 17	1771791	2607831
April 2017 – March 18	2607831	2390892

Action Plan of KVK for 2018-19

Proposed On Farm Testing (OFT) for 2018-19

Discipline	No. of OFT	No. of trials/ farmers	Area (ha)
Agronomy	02	26	10.40
Plant Protection	02	26	10.40
AHDS	04	52	0.33
Agriculture Engineering	03	39	15.60
Home Science	04	52	-
Total	15	195	36.73

Proposed Front Line Demonstration (FLD) for 2018-2019

Discipline	No. of FLD	No. of trials/ farmers	Area (ha)
Agronomy	02	50	20.00
Plant Protection	02	30	12.00
AHDS	04	40	0.10
Agriculture Engineering	03	30	12.00
Home Science	04	40	--
Agriculture Extension	02	50	--
Total	17	240	44.10

Proposed Training Programmes for 2018-19

Sr. No.	Name of Disciplines	Total No. of Training classes ON/OFF Campus.	No. of Participants.		
			Male	Female	Total
1	Agronomy	13	345	45	390
2	Plant Protection	12	297	63	360
3	AHDS	15	415	35	450
4	Agri. Eng.	11	202	128	330
5	Home Science	15	90	360	450
6	Agriculture Extension	09	150	107	257
Total		75	1499	738	2237

