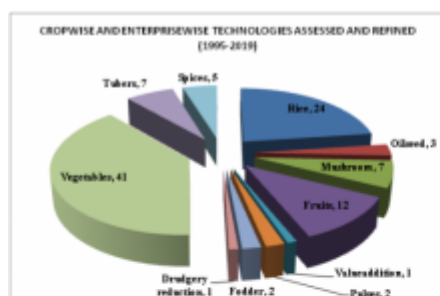


Salient achievements of KVK, Kollam from its inception:

On Farm Testing

Several location specific trials of approved technologies were conducted by KVK, Kollam on paddy, vegetables, banana, coconut, pepper and mushroom etc. The technologies assessed over the period included management practices, INM, integration of eco friendly techniques such as traps with the conventional practices and varietal trials. The proven technologies were then carried over as Frontline Demonstrations. In 105 technologies were assessed /refined and 661 trials were conducted over the years.



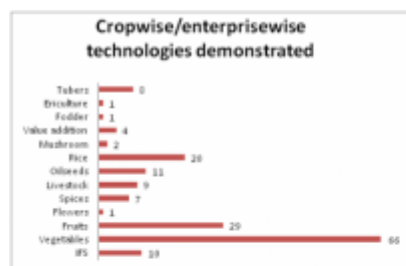
OFT 2019-20:

•	Crop/ Enterprise	Title of OFT	No. of trials
1	Rice	Assessment of high yielding short duration paddy varieties for the second crop season in Kollam district	7
2.	Pulses	Assessment of high yielding, heat tolerant and short duration grain cowpea varieties in Kollam District	3
3.	Tuber Tapioca	Assessment of nutrient use efficient (NUE) cassava genotypes for reducing chemical NPK fertilizers	7
4.	Coriander	Assessment of leaf coriander varieties in Kollam district	3
5.	Cabbage	Assessment of cabbage varieties for rainy season cultivation in rain shelters	4

6.	Yard long bean	Assessment of high yielding yard long bean varieties in Kollam district	3
7.	Rice	Assessment of suitability of self propelled paddy drum seeder for women farmers in Kollam district	5
8.	Poultry	Assessment of different poultry varieties for backyard rearing in Kollam	3
9.	Jackfruit	Assessment of Ready to cook dehydrated Jack fruit	3
Total			38

Front Line Demonstrations

Two thousand nine hundred and fifty seven demonstrations of 169 technologies were conducted during the period of 1997-2017. The technologies demonstrated on the farmer's field were proven technologies suitable for the region. The crops included for the demonstrations were paddy, banana, perennial crops such as coconut, mango, pepper and vegetables such as amaranthus, cowpea, bitter gourd, bhindi, chilli etc.



FLDs 2019-2020:

Sl.No.	Category/ Crop or enterprise	Title of Technology	No. of Demos
1	Bitter gourd	Demonstration on soil test based nutrient management for pest and disease tolerance in Bitter gourd	5
2	Banana	Demonstration on non conventional soil ameliorants over lime in managing soil acidity in banana var Nendran	5
3	Bhindi	Demonstration of fertigation in okra	3

4	Ginger	Demonstration of IISR micronutrient mixture application in ginger for supplementing micronutrients	5
5	Yard long bean	Demonstration of high yielding yard long bean variety Arka Mangala in Kollam district	5
6	Rice	Demonstration of 4 row walking type transplanter in Kollam district	5
7	Rice	Demonstration of Power Paddy Weeder in Kollam district	5
8	Nutri garden	Demonstration of nutrition garden along with mushroom as a component through environmental clubs in schools	3
9	Jack fruit	Demonstration of jack fruit flour as functional food in baked products	3
10	Backyard Poultry	Low cost portable mini poultry brooder with package of practices for backyard poultry rearing	5
11	Dairy	TANUVAS- Masti-Guard for prevention of common mastitis	5
12	Goat	Estrous synchronization and AI in Goats	10
Total			59

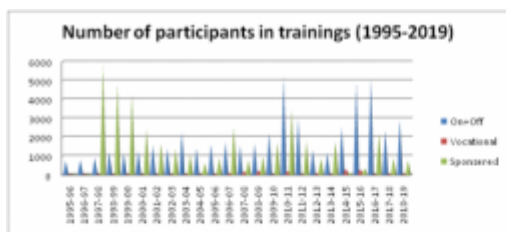
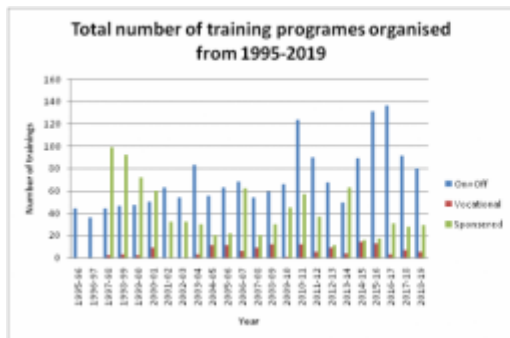
Training Achievements

KVK caters the training needs of farmers and agricultural extension personnels in the entire district of Kollam. The major channel for transfer of technology in KVK is through training programmes which may be on campus or off campus programmes. In addition, the subject matter specialists of KVK act as resource persons in many of the training programmes organized by Department of Agriculture, Rubber Board, National Bank for Agriculture and Rural Development and other such agriculture related organizations. A total of 1688 one day training programmes both on and off campus were conducted during the period. The trainings were on topics related to crop production, home science, plant protection, mushroom cultivation, soap making and other income generating enterprises. Trainees included farmers and farm women, rural youth and extension functionaries. A total of 49808 persons were trained.

The sponsored training programmes in which the KVK scientists participated were on topics pertaining to organic farming, mushroom cultivation, fruit and vegetable preservation, plant protection, floriculture and nursery management. There were 905 programmes (41048 participants) in this category.

Under the category of vocational trainings, 141 programmes were conducted in the thrust areas of entrepreneurship development and women empowerment during the reporting period. The duration of training varied with the topics (6 to 24 days). The topics included mushroom cultivation and spawn production, nursery management, propagation of medicinal plants, fruit processing, plant protection in vegetables and floriculture. A total of 1940 trainees participated.

Abstract of training achievements (1995-2019):



Other information's:

A. Farmers Field School:

S.No	Year	Title of FFS	Place
1.	2007-08	FFS in banana	Anoor, Kottarakkara
2.	2007-08	FFS in vegetables	Melila, Kottarakara
3.	2008-09	FFS in rice	Nedeyapadam Padasekharam, Soornad North
4.	2009-10	FFS in vegetables	Eram, Anchal
5.	2010-11	FFS ICM in banana	Ayilara and Ayiranellore, Anchal.
6.	2011-12	FFS in homesteads	Pavumba, Ochira.
7.	2012-13	FFS in IPDM in vegetables	Elamad, Chadayamangalam

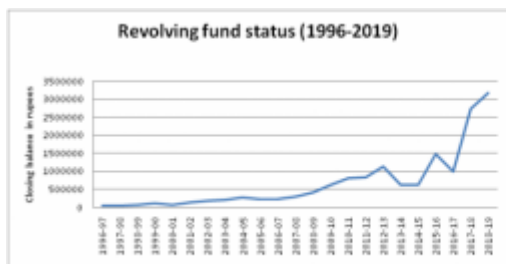
8.	2013-14	FFS in Organic cultivation of vegetables	Andamon, Kalayapuram
9.	2014-15	FFS - ICM in banana	Villur, Melila
10.	2016-17	FFs-ICM in Rice	Pallikkal
11.	2017-18	FFS-ICM in pulses	Pallikkal

B. Plant health Clinic: A plant health clinic was established at KVK with the financial support of SHM in the year 2010. Diagnostic facilities have been established with the installation of sophisticated equipments like Stereo Microscope with computer aided software, Compound Microscope, Student microscope, Laminar air flow, Table top Autoclave, Hot air oven, Rotary shaker, Digital camera, Refrigerator and LPG gas connection. The clinic is also equipped with Laboratory wares like Glass wares, Chemicals, and Laboratory furniture, viz Laboratory tables, Laboratory stools, Laboratory racks etc. for the smooth functioning of diagnostic activities.

C. Revolving fund:

The revolving fund activities started at KVK Kollam on 15th April 1996 with a receipt of a grant of Rs. 50,000/- from the ICAR. The whole amount was refunded back to ICAR in April 2004. Technological inputs that are produced or made available to the target groups at the KVK sales centre under revolving fund activities. The products available for sale are:

- Methyl eugenol traps, Cue Lure traps
- TC banana,
- Coconut seedlings(June every year),
- *Pseudomonas, Trichoderma, Pacelomyces*
- Mushroom spawn,
- Vegetable seedlings,
- Ornamental plants,
- Ornamental fish,
- Azolla, vermicompost, earthworms,
- Medicinal plants,
- Rabbit kids, goat kids,
- Teak seedlings,
- Grafts,
- KAU publications
- Enriched Manures etc.



Research Projects:

Completed projects:

S.No	Name of Project	Funding Agency	Year	Outlay
1.	Development of KVK- Activity Management Information System (KAMIS)- a soft ware application to facilitate recording of data on the activities of the KVK and generation of various administrative and analytical reports	ICAR	2005-06	2.00 lakhs
2.	Comprehensive Rice production Improvement through Sustainable Practices (CRISP)	KSPB	2007-09	3.00 lakhs
3.	Establishment of Plant Health Clinic	SHM	2008-10	14.00 lakhs
4.	Block level workshop- Problems and Prospects of Agriculture and Allied sectors	KSPB	2008-10	2.20 lakhs
5.	Standardisation of quality seed production techniques and promotion through group approach	KSCSTE, TVM	2008-13	8.23 lakhs
6.	Establishment of goat unit at KVK, Sadanandapuram	RKVY	2009-12	12.25 lakhs
	Year round production of safe vegetables under protected structures	SHM	2010-12	2.20 lakhs
7.	Sustainable Rice Cultivation and Mechnisation options in Paddy	DoA, GOK	2011-12	2.52 lakhs
8.	Study on farmers innovation in Kerala	DoA, GOK	2012-13	1.50 lakhs
9.	Establishment of organic input production cum marketing outlet	DoA, GOK	2014-16	20.00 lakhs
10.	Formation of Paddy Task Force	DoA, GOK	2014-16	20.00 lakhs
11.	Establishment of polyhouse hardening unit	DoA, GOK	2014-16	12.00 lakhs

12.	Establishing of Agro Processing Training Cum Incubation Centre	DoA, GOK	2014-16	24.00 lakhs
13.	Lead Farmer Centred Extension and Delivery Services (LEADS)	DoA, GOK	2012-16	32.00 lakhs
14.	Indigenous Technical Knowledge in weather and climate in relation with agriculture and forecasting in Southern Zone of Kerala	DoA, GOK	2012-17	26.00 lakhs
15.	Farmers participatory nutrient management practices for sustainable production of Banana of Western Ghats tracts	Western Ghat Development Programme	2014-15	9.64 lakhs
16.	D-skill training on organic vegetable cultivation and mushroom production	Centre of Disability studies	2014-15	0.80 lakhs
17.	KALPARAKSHA- Farmer Participatory Compact Area Group Approach For Integrated Coconut Management	ATMA, Kollam	2015-17	3.27 lakhs
18.	Network project on Microbial Inoculant Technology- New sub centre	DoA, GOK	2017-19	6.30 lakhs
19.	Rock dust nutrition for yield enhancement in rice in iron toxic laterite soils of Kollam District through farmer participatory research.	ATMA	2018-19	1.9 lakhs
20.	Strengthening of bio centre at KVK,Kollam	State Planning Board	2017-19	30.00 lakhs
21.	Strengthening of soil lab at KVK,Kollam	State Planning Board	2017-19	2.54 lakhs
22.	Survey, collection, establishment and maintenance of superior lines of traditional mango variety Karpooram in Southern Kerala	1.	2018-19	4.99 lakhs
23.	Gardeners training	1.	2018	12.00 lakhs
24.	Support to KVK for supporting surveillance clinics of Krishibhavans	State Planning Board	2018-2019	2.68 lakhs

Ongoing research projects:

S.No	Name of Project	Funding Agency	Year	Outlay
1.	Strengthening of Agro machinery testing training and service centre for south zone of Kerala	State Planning Board	2019	3.31 lakhs
2.	Establishment of Biocentre for bio intensive pest mgt options	State Planning Board	2017	48.29

3.	Ecofriendly and economic crop health package emphasizing mineral nutrition with special reference to silicon for yield enhancement in cucurbitaceous vegetables	ATMA	2019	3.9
4.	Establishment of protein park in the rice growing tracts of Kollam district for food security and soil health	DoA, GOK	2019	5.00
