



**AGRICULTURAL COLLEGE  
AND RESEARCH INSTITUTE  
KILLIKULAM  
THOOTHUKUDI DISTRICT**



**AT A GLANCE**



**Tamil Nadu Agricultural University  
Coimbatore - 641 003**

**Agricultural College  
and Research Institute  
Killikulam, Thoothukudi District**

**Introduction**

The Agricultural College and Research Institute, Killikulam is located in Thoothukudi District of south Tamil Nadu near the banks of Thamiraparani river and adjacent to the Vallanadu black buck sanctuary in the Thoothukudi - Tirunelveli NH 138. The college is situated at about 18 km from the Tirunelveli Junction and 20 km from Thoothukudi Airport.

**Vision & Mission**

- To build quality technical manpower through excellence in agricultural education.
- To develop and transfer sustainable agricultural technologies to the farmers of Southern districts and to improve their livelihood

**Genesis**

The College was established in 1984 - 85 as the third constituent college of Tamil Nadu Agricultural University. It was later upgraded as Agricultural College and Research Institute in 1989 and as Post-Graduate institute in 1990.

**Education**

In order to provide quality education, the institute is provided with modern lecture halls, library, computer centre and well equipped UG and PG laboratories. About, 480 students undergo UG programme in agriculture and 60 students undergo PG programme in seven disciplines viz., Agronomy, Plant Breeding and Genetics, Plant Pathology, Soil Science and Agricultural Chemistry, Agricultural Entomology, Extension Education and Agricultural Economics. A total of about 400 students receive scholarships in seven different categories. So far, this college has produced about 2800 Under Graduates and 500 Post Graduates. Apart from the classroom learning, the students obtain hands on experience and exposure through various courses like Rural Agricultural Work Experience (RAWEX), All India Study Tour (AIST), Experiential Learning, Project Work, Crop Production etc.

## Department

The following departments are functioning in the college

1. Agronomy
2. Plant Breeding and Genetics
3. Soil Science and Agricultural Chemistry
4. Horticulture
5. Agricultural Entomology
6. Plant Pathology
7. Social Sciences

Apart from the above departments, there are different units to assist the administration viz., Central farm unit, Academic cell, ARIS cell, Students hostel, Essential services unit, Placement cell, National Service Scheme, National Cadet

Corps etc. Research studies are carried out to develop new varieties and management practices in rice, pulses, horticultural crops and forage crops.

Since inception, this Institute has released five crop varieties obtained two patents and commercialized two technologies.



## Varieties and Technologies released

### Cumbu – Napier hybrid KKM 1

Year of release: 2000, Parentage: IP 15507 x FD429, Yield: 288 t/ha. Suitable for Southern districts of Tamil Nadu in garden land situations. The leaves are soft and have high calcium, potassium, magnesium, phosphorus and vitamin content with very low oxalate content. The fodder has more crude protein (9.85g per 100g of dry matter)



### Black Gram (*Vigna mungo*) KKM 1

Year of release: 2017, Parentage: COBG1 643 / VB N 3. Duration: 65-70 days, Yield: 607 Kg/ha. Suitable for cultivation in rice fallow condition. Superior cooking quality. 6.7 per cent arabinose content.

### Brijnal (*Solanum melongena* L.)

#### KKM-1

Year of release: 1995, Parentage: Selection from Kulathur local, Duration: 135 days, Yield: 37 t/ha. Fruits are round, glossy, white cluster bearing, medium sized with good consumer preference.



### Senna (*Cassia angustifolia* Vahl.) KKM Se.1

Year of release: 2001, Parentage: Selection from Thenkalam local, Duration: 135 - 140 days, Dry leaf yield - 900 Kg/ha. Dry pod yield - 352 Kg/ha, Suited for rainfed cultivation. Sennoside content is 2.5%.

### Chilli (*Capsicum annum* L.) KKM Ch.1

Year of release: 2006, Parentage: ACC 240 x Co 3, Duration: 200 days, Dry pod yield - 3t/ha, Plants are dwarf, bushy and non-lodging. Early in maturity. Capsaicin content is 0.54%. Ripе fruits do not shrivel on drying.

## TNAU Master Trap

An MoU was signed with M/s Nutricon Animal Health Care, B4/24, Industrial Estate, Maraimalai Nagar, Kancheepuram to commercialize TNAU Master Trap- A Multipurpose Device for Insects and Rodents (TNAU Patent No. 201482)

## *Acorus calamus* 10D

An MoU was signed with M/s. Bhuvicare (P) Limited, Tirunelveli to produce and sell the KKM 1 botanical insecticide *Acorus calamus* 10D.

## Other Technologies developed

- Rice – Sweet flag intercropping
- SRI planting gadget
- Shade-net cultivation of Paprika and Sweet pepper
- IPM card and e-extension for real-time IPM in rice
- Soil fertility management technologies for coastal areas

## Facilities available

### Library

The old Library building of this college was constructed during 1998. The new library building constructed in 2019. A total of about 17,000 books are available in the library. In addition periodicals and research journals are available as digital form and hard copies.



### Computer Centre

There are 40 computers and one LCD projector in the UG computer laboratory, 30 systems and one LCD projector in PG E-learning lab with UPS, wired and wireless internet connectivity. The video conferencing facility is available for students and farmers training programme. The campus is facilitated with 24 x 7 Internet connectivity of 18 Mbps bandwidth and well maintained 123 nodes in all the Departments.



### Physical Education

Facilities are available for games like badminton, ball badminton, basket ball, cricket, foot ball, hand ball, kabaddi, kho-kho, table tennis, volley ball and athletic. Additionally, 400 meter track and field facilities, physical fitness gym area are also available.

### Hostel

Four girls' hostels and two boys' hostels are present to accommodate the UG and PG students. All the hostels are provided with Wi-Fi connection and two common generators. Students' hostel has a fully modernized kitchen to prepare the food items hygienically

### Health Centre

The college dispensary is functioning from 9.00 a.m. to 5.00 p.m. under the supervision of a full time medical officer, staff nurse, nursing assistant and pharmacist.

### Centralized Laboratory Facility

HPLC, Gas Chromatography, Thermal Cycler (PCR), Gel documentation system, Atomic Absorption Spectrophotometer (AAS), Gas generator, Refrigerated centrifuge, Refrigerator, Deep freezer, Ice making machine and Nanodrop Spectrophotometer

### EDII-KABIF

**Entrepreneurship Development Innovation Institute-Killikulam Agribusiness Incubation Forum (EDII-KABIF).**

Providing technological mentoring, capacity building training, funding facilitation, business development support and intellectual property management to stake holders. Also to foster the spirit of entrepreneurship and innovation in the field of agri-business by providing technical assistance and market linkage to budding agri-preneurs.



### Achievements and Awards

The campus produces highly meritorious students and they remain as the toppers of TNAU. Students meritoriously pass the ICAR's JRF examination and bring credit to the institute. Students of this campus are placed in All India Services, Agricultural Research Services (ARS), State Departments, Universities and Banks. The institute has secured the best college award during 2002, 2005 and 2009.

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