

UAS, RAICHUR

Profile



UNIVERSITY OF AGRICULTURAL SCIENCES
P.B.No. 329, Lingasugur Road
Raichur - 584 102, Karnataka, India
www.uasraichur.edu.in



Raichur is privileged with an oldest establishment for Agricultural Research. An Agricultural Research Station was established by the then Nizam Government of Hyderabad in the year 1932 with a specific mandate to carryout research on dry land farming. Later, it was identified as the Main Research Station for oilseed research due to Thungabhadra Irrigation Project. With the establishment of State Agriculture University in Karnataka at Bangalore during 1964, it was raised to the status of Regional Research Station with a mandate to undertake research on all important crops of the Hyderabad-Karnataka region. Presently, under new University of Agricultural Sciences, Raichur, it has been elevated to Main Agricultural Research Station with the jurisdiction of six districts of North Karnataka.



Agricultural Engineering Institute (AEI) was added to Raichur campus in 1969 to offer diploma course in Agril.-Engineering which in 1987 was upgraded to the status of College of Agricultural Engineering offering B.Tech degree. With establishment of UAS, Dharwad during 1986, Raichur continued its privilege of being the second largest campus and a major hub of education .

University of Agricultural Sciences, Raichur has come into existence on 22.11.2008 through a Karnataka Act No. 10 of 2010 by His Excellency, the Governor of Karnataka. It was indeed a decade back demand was put forth by the people of Hyderabad-Karnataka region owing to inimitable climatic conditions and farming situations. It is the third Agricultural University established after Bengaluru and Dharwad in Karnataka State.



MANDATE

The University has a three fold mandate of Education, Research and Extension.

- Impart education in all branches of study in Agriculture and Agricultural Engineering.
- Conduct applied, strategic and basic research in all branches of Agriculture and Agricultural Engineering.
- Assist in transfer of technology to the farming community through extension and outreach.



MISSION

University of Agricultural Sciences, Raichur shall persuade the needs of agricultural education to sensitize the farming community with scientific innovations, short and long term way outs for the tribulations faced by the farming community through research for growth and sustainability of agriculture sector and outreaching the technologies to uplift the socio-economic status of the farming community through strong extension linkages.

It has forged collaboration with some of the National and International best educational Institutes and Universities, top private firms in agricultural research and number of NGOs involved in development of agriculture. Thus “Greening the life of farming community through Education, Research and Extension” is set as the motto.





CONSTITUENT COLLEGES



College of Agriculture, Raichur



College of Agriculture, Bheemaranaganudi



College of Agricultural Engineering, Raichur

ACADEMIC PROGRAMMES

Under Graduate Programmes



Students' Counselling during Admission

- The under graduate programmes offered include B.Sc. (Agri.) & B.Tech (Ag. Engg.) as per the regulations of ICAR, Govt. of India.
- The duration of B.Sc. (Agri.) & B.Tech (Ag. Engg.) is four years, consisting of six semesters of teaching, one semester of Experiential learning & one semester of Rural Agriculture Work Experience Programme (RAWE).

Under Graduate Programmes

B.Sc. (Agriculture)

B.Tech (Agril. Engineering)

Campus

Raichur & Bheemarayanagudi

Raichur

Post Graduate Degree Programme - Meeting HR needs of Research

- Post Graduate Degree Programme is aimed at training manpower for leadership in research and managerial professionals in agriculture and allied subjects.
- Exposure to emerging areas, hands-on experience in modern techniques and apprenticeship.
- Competent faculty, supported by good research infrastructure and International linkages have helped to strengthen the Post Graduate research.
- The Post Graduate degree programmes are offered in 13 disciplines/subjects.
- The Masters degree programmes are of four semesters duration.

Post Graduate Programmes

Campus

M.Sc. (Agriculture)

- Agronomy
- Genetics and Plant breeding
- Seed Science & Technology
- Soil Science & Agricultural Chemistry
- Plant Pathology
- Agricultural Entomology
- Agricultural Microbiology
- Agricultural Economics
- Agricultural Extension
- Crop Physiology
- Horticulture

M.Tech (Agril. Engineering)

- Processing & Food Engineering
- Farm Machinery & Power Engineering
- Soil and Water Engineering

Raichur

Enabling Education - Infrastructure for Academic Excellence

Computer Lab



- The academic programmes of the University are backed by excellent infrastructure.
- Class rooms and seminar halls are equipped with audio-visual aids for effective teaching.
- The laboratories and farm lands are equipped with state-of-art equipment for experiential learning.
- On-campus accommodation helps students find more time for both academic and co-curricular activities.

Library



- The University library is situated at the main campus as well as at Bheemaranagudi campus.
- In addition to excellent collection of books and journals, the library also has access to electronic journals and database related to agriculture and allied subjects.
- New accessories are notified to the faculty and students through e-mail alerts.

Placement Cell



Campus interviews of the nationalized firms, companies, banks, institutes are arranged regularly for the graduating students and graduates of the college.

Students' Counselling



In order to facilitate and help the students to manage their own academic and overall personal growth and achieve a secured future, counselling and monitoring is provided to the students by the teachers.

Health Centre



A well equipped Health Centre provides medical relief for minor ailments to students and faculty. A well qualified & experienced doctor is available for service round the clock in the main campus for medical emergencies.

Students' Welfare Activities



- The University has made a provision to form Students' Association during the academic year. The office bearers include President, Vice-President, General Secretary, Joint Secretary, Sports Secretary and Cultural Secretary in the Association.
- Physical Education is a non credit compulsory course for all the undergraduate students of the University.
- Sports and cultural activities organized by the Directorate of Student's Welfare to enable the students to participate and perform at college, inter collegiate and inter University competitions.
- The students are encouraged and guided to participate in extra curricular activities for personality development.

National Service Scheme

- National Service Scheme (NSS) is a non credit compulsory course for all the under-graduate students in the University.
- At present, two NSS units are functioning at the University & they conduct special camps every year.

Educational Tours

- Educational tours and exposure visits of the students to the national Institutes/Organizations throughout the state and country are undertaken.
- The undergraduate students of B.Sc (Agri) and B.Tech (Agril. Engg.) undertake India Educational Tour of 21 days as a part of course curriculum.
- Regular visits to successful farmers' fields and arranging interaction meetings with them.

Improved crop varieties/hybrids/technologies developed at the University



Groundnut : R-2001-2(VIETA)

- High yielding variety(25q/ha).
- Resistant to leaf spot and peanut bud necrosis disease.
- Drought tolerant & suitable for Kharif, Rabi & Rabi-Summer seasons.
- Gives good quality fodder and released for Karnataka, Tamil Nadu, Maharashtra, AP, Orissa, Bihar, West Bengal and North Eastern States.



Sunflower Hybrid : RSFH-130(BHADRA)

- Tolerant to viral and powdery mildew disease.
- High yielding(20-25q/ha).
- High oil yield (30-34%) compared to other hybrids.
- Matures in 100 days.



Sunflower Variety : RSFV-901

- High Seed Yield (15-20 q/ha)
- Low hull content (25.7 %)
- High oleic acid content (66 - 79%)
- High oil content (39 - 42 %)
- Resistant to rust disease
- Tolerant to Viral, Downy mildew and Powdery mildew diseases.



Pigeon pea : TS-3R

- High yielding variety (14-18 q/ha)
- Early medium duration (145-155 days)
- Bold seed (10.5 to 11.5 gm)
- Wilt and sterility resistant
- Replacement to Gulyal local genotype
- Easy to identify off types during seed production



Paddy : Gangavathi Sona

- High yielding variety (75 - 87 q/ha)
- Medium duration of 135-140 days.
- Suitable for both Kharif and Summer seasons
- Tolerant to blight, blast and brown plant hopper.
- Tolerant to salinity (EC of 6-8 ds/mtr.)



Cotton : RAHS - 14

- High yielding (10-12qt/ha)
- Tolerant to salinity
- It has oblong medium sized boll, pointed tip, hairy stem and yellow coloured corolla.



Mango : Khader

- High yielding (20 t/ha)
- Produces medium sized quality fruits suitable for processing
- Very good keeping quality



Improved donkey drawn steel cart

- Improved donkey drawn steel cart was developed by AICRP on Animal Energy Utilization, Raichur.
- The total loading capacity of cart was 4-5 quintal which can be pulled by a single donkey.
- Cost of the cart is Rs. 12,500



Improved single bullock steel cart

- Developed at CAE Raichur with a total weight of 230kg.
- The total loading capacity of cart was 5-6 quintal which can be pulled by a single bullock.
- Cost of the cart is Rs. 12,800

TECHNOLOGY POPULARIZATION

PADDY TRANSPLANTER



Walk behind type

- CAE, Raichur is popularizing machine paddy transplanter which is a ray of hope for paddy growers to overcome the problem of labourers during the season.



Riding Type

- The machine is capable to cover 4-5 acres/day (Walk behind type) & 10-15 acres/day (Riding type).
- The cost of operation is Rs. 1500-1875 /ha
- The average yield obtained is 62q/ha
- Cost of machine transplanter varies from Rs. 2.00 lakhs (Walk behind type) to Rs. 9.50 lakhs (Riding Type).
- Though the cost of machine is quite high, it can be used on custom hire basis/collectively by farmers

REDGRAM TRANSPLANTING

Redgram which is being grown in Bidar district usually suffered from the moisture stress during early growth stage and in severe cases resulting in dying of plants. Krishi Vigyan Kendra, Bidar analyzed this situation and brought out an intervention of "Transplanting Method of Redgram cultivation" in the district during 2007. Though this method was started in few acres initially, now it has spread in the entire district covering an area of 3000 ha. Further, it has spread to the neighbouring Gulbarga district in an area of 500 ha. By using this method, farmers are getting the increased yield to the extent of 76 per cent.

Steps in Redgram Transplanting



Process for spread of technology

- Training programmes
- Publication of leaf lets
- Publicity through Radio, TV and Print media
- Sale of seeds under revolving fund
- Field days
- Exhibitions

Spread of technology



Infrastructure Facilities for Research



Seed Processing Unit

- Seed Processing Unit was established at Raichur campus during 2009-10.
- The capacity of the unit is 2 tonnes per hour.
- The Unit possess Pre-cleaners, Grader, Gravity separator and Seed treater
- It has a provision to process the seeds of Bengalgram, Pigeon pea, Groundnut and Sunflower.



Growth Chamber

- Useful for measuring higher and lower temperature and variable humidity for studies on seed germination, pathological and entomological aspects.



Insectary

- Established at the College of agriculture, Raichur
- Helps to measure the crop loss estimation, insect biology, pilot scale management etc.
- Mass production of predators and parasitoids.



Solar Tunnel Dryer

- Designed and developed under AICRP on PHT, Raichur Centre.
- Desired drying temperature of 50-55°C can be achieved in the drying chamber.
- Two tonne of *Byadagi* chilli can be dried in 43-45 hours by saving 40-60% of drying time compared to open sun drying.



Pedal operated Portable Ice Crusher

- Developed by AICRP on PHT, Raichur centre.
- Suitable to crush ice blocks for preservation of fish on board or in fish landing centres.
- Average capacity of the crusher is 800 kg of ice per hour.
- Cost of ice crusher is Rs. 20,000/Unit.
- Cost of crushing is Rs. 1.56/- per ice block of 50 kg weight against Rs. 5/- charged for manual crushing.

AWARDS AND RECOGNITION

ISO 9001:2008 Certification Award for College of Agriculture, Raichur



ISO 9001:2008 Certificate

The college of Agriculture, Raichur has been awarded with ISO 9001: 2008 Certification. This is the first Agriculture college in the county to obtain the certificate. This has been issued for the quality of its management system in providing quality education in undergraduate and post graduate degree programmes in agricultural sciences as per the standards of ISO 9001:2008. Bureau of Veritas Certification (India), Mumbai has conducted the auditing for award of certification.

National Best KVK Award for Krishi Vigyan Kendra, Raichur



The Hon'ble Union Minister of Agriculture Shri Sharad Pawar conferred the National Best Krishi Vigyan Kendra Award for 2005-06 to KVK, Raichur during Third National Conference on KVKs held at G.B.Pantnagar University of Agriculture & Technology, Pantnagar during 27-29 Dec. 2008. The KVK has made all round contribution fulfilling its mandates and ensuring large scale adoption of technologies particularly FFS approach for promotion of integrated pest management. The award carries a cash prize of Rs. 1.00 lakh, plaque & a citation.

Fine Arts Champions at National Level in the First Entry



UAS, Raichur team receiving overall
Fine Arts Championship Trophy



Mr. Vaibhav & Mr. Darshan are
proud with their medals

The University, in the first year of its establishment has reached the greatest height & created history in bagging overall championship trophy at the 11th All India Agri-Fest 2010 held at Sam Higginbottom Institute of Agricultural Sciences and Technology, Allahabad from 8-12 February, 2010. The University thrived its best in musical, folk dance, rangoli, theatre and fine arts events.

Location of the University and its constituent Institutes



● **University Head Quarter**

★ **Colleges**

- College of Agriculture, Raichur
- College of Agricultural Engineering, Raichur
- College of Agriculture, Bheemaranaganudi

⌘ **MARS, Raichur**

● **Agricultural Research Stations**

- ARS, Gulbarga
- ARS, Raddewadagi(Gulbarga)
- ARS, Bheemaranaganudi (Yadgir)
- ARS, Kawadimatti (Yadgir)
- ARS, Malnoor(Yadgir)
- ARS, Bidar
- ARS, Dhadesugur(Raichur)
- ARS, Hagari(Bellary)
- ARS, Siruguppa (Bellary)
- ARS, Gangavati(Koppal)

■ **Krishi Vigyan Kendras**

- KVK, Raichur
- KVK, Bidar
- KVK, Gulbarga
- KVK, Gangavati(Koppal)
- KVK, Hagari(Bellary)

▲ **Extension Education Units**

- EEU, Bheemaranaganudi (Yadgir)
- EEU, Hadagali (Bellary)
- EEU, Koppal
- EEU, Lingasguru (Raichur)



For further information, please contact

Registrar

University of Agricultural Sciences
P.B. No. 329, Lingasugur Road, RAICHUR - 584 102, Karnataka State, India
Phone : +91-8532-220440(Extn. 263), Fax : +91-8532-220157, Cell:+91 9480696302
e-Mail : registraruasraichur@redifmail.com
Website : www.uasraichur.edu.in

Publisher

Dr. B.V. Patil
Vice-Chancellor

Compilation & Editing

Dr. S.N. Hanchinal & Dr. Basavaraj Hulagur
Director of Extension Assistant Professor (Agril. Extn.)

Graphics & Design

Mr. Manju D.
Computer Operator