

Information about Head of ARS/Scheme

Official Contact Details

Name : Dr. Dayanand G. Satihal
Constituent College ; Agricultural Research Station, Bheemarayan Gudi
PIN Code :585287
Designation : Farm Superintendent
Contact Address : Agricultural Research Station, Bheemarayan Gudi
Phone Number :9480696325
Fax :08479222090
E-mail :fsarsbgudi@uasraichur.edu.in
dayanandsatihal@rediffmail.com



Photo

Achievements: Dr. Satihal has joined the University on 9th June 2011 as Farm Superintendent and currently working as farm superintendent and head of the station. He has obtained doctoral degree in Economics and two master's degrees, has got around 25 years of experience in in research, teaching and extension activities in interdisciplinary , farm management, Integrated farming system, population and development, public health and epidemiology, migration etc. Handled about 20 projects either as principal investigator or co principal investigator and brought out about 50 publications reputed national and international journals. Provided consultancy services to number of national and international organizations

Information about ARS/ Scheme

Institution Details

Agricultural Research Station, B'gudi

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| Station Name | : Agricultural Research Station, B'gudi |
| | : Agricultural Research Station, B'guid |
| | Tq: Shahapur |
| District | : Yadagir |
| PIN Code | : 585 287 |
| Institution Type | : Agricultural Research Station, Bheemarayangudi'gudi |
| College Address | : Agricultural Research Station, B'gudi |
| | Tq: Shahapur Dist: Yadagir – 585 287 |
| Phone Number | : 08479-222408 |
| Fax | : 08479-222408 |
| Website | : www.uasraichur.edu/b'gudi |
| Description | : The Agricultural Research Station, Bheemarayangudi is established 1981, situated in the North-Eastern dry zone of Karnataka (Region II, Zone 2) located between 16° 43,N and 76° 51 E longitude at an elevation of 411.75 meters above MSL characterized by dry climate with an average annual rainfall of 774.1 mm. The station is about 5 km away from Shahapur town of Yadagir district and is well connected by the state highway 19, connecting Bidar –Bangalore. The nearest broadgauge railway stations are Gulbarga (65 km N)and Yadgir (35 km E). Hyderabad is located 150 km NE serving as the nearest international airport. |

The station has about 398 acres of land spread in five blocks. The main block (CADA block) comprising of around 200 acres is mainly used for seed and fodder production, it has also housed well established dairy unit, vermicomposting unit, horticultural orchards, seed unit and fish ponds. The Shakapur block comprises 13 acres, is used for demonstration of technologies in cotton (like adoption of Resource conservation technologies, international research projects of GPB and other departments, IFS etc. The Diggi block comprising 20 acres is used seed production and for staff research including development and demonstration of Resource Conservation Technologies in Red gram. The land available (around 20 acres) between main – building and boys hostel is utilized for front line demonstrations, integrated farming system research activities etc. Around 25 acres of experiment block is exclusively used for conducting staff research, students crop production programme, experiential learning and large scale demonstrations.

Department : Details of Staff:
s/ 1. Farm Superintendent :1
Sections/ 2. Senior Assistant: 1
Disciplines 3. Store keeper (Against post):1
4. Field Assistants : 05
5. Labours :Permanent :32

Facilities : 1. ARS Building : Nil
2. Lab : Nil
3. Computer : 5
4. Irrigation :80 ha
5. Vehicle : Tractors 4(1 unserviceable); Bolero Jeep

ARS,B'gudi :
Photo



Achievements : Since its inception in UKP, adoptive research was carried out till 2000 in the divisions of Crop Improvement, Agronomy, Soil Science and Agril. Engineering. Due to concerted efforts, important recommendations have emerged out of the research activities for increased yields and higher profits for wider adoption in deep to medium deep black and red soils under irrigated and non-irrigated conditions in Upper Krishna Project (UKP) command area.

The station has got " HIGH INCOME GENERATING AND BEST MAINTAINED RESEARCH STATION AWARD FOR THE YEAR 2013-14.



The research station has also developed number of technologies and released varieties in collaboration with national and international organization. It ha recently developed heat toleran maize variety in collaboration with CYMMET organization.

Mandates

The main objectives of the Agricultural Research Station are as under

1. To identify/ develop suitable high yielding varieties/ hybrids of important cereals, pulses, oilseeds and fibre crops.
2. To work out improved crop management practices for important crops.
3. To identify methods of maintaining soil fertility and productivity.
4. To conduct irrigation water management studies for crops and cropping systems.
5. To find out suitable measures of drainage and amelioration for the reclamation of water-logged and salt-affected lands.
6. To initiate research activities on horticultural crops (fruit and plantation crops)
7. To take up seed production of parental lines breeder and truthful seeds of cereals pulses, oilseeds and fibro crops.
8. Transfer of technology by conducting field days, meetings seminars, workshops, training programmes etc.

Activities

: The activities of the ARS B'gudi are as follows:

Seed production & processing activities: Involved in all types of seed production of different crops; training to students and farmers about the recent advanced techniques on hybrid and quality seed production of both field and vegetable crops and largescale processing of seed material and make it availed to the needy farmers of this region at right time.

Vermi – Composting: Vermi composting unit has established in an area of 10 guntas consisting of 30 vermi composting pits. Recycling of farm waste is being

carried out utilizing earth worm *Eudrillus eugeniae*. The worm compost mist-irrigation facility, mechanized sieving pre decomposition facilities to minimize the labour requirement with the production capacities of 50-60 tonnes/yr.

Dairy: In order to provide the over all education in different aspects of allied subjects, institute has well maintained dairy unit comprising pure cross bred cattle with scientific system. The dairy is used for teaching research and giving consultancy to the aspiring farmers for starting dairy units.

Poultry: Looking the demand and profits from poultry the institute has established the well designed poultry unit with the deep litter system for the benefits of students to gain hands on experience for prospective graduates of establishing the poultry.

Fisheries: To meet the ever increasing demand for the fish culture, the institute has developed full fledging aquaculture ponds by spending more than 15 lakhs. The students can practically grow fishes on their own through hands on training commercial aquaculture farming after graduation.

Horticulture: The dept of horticulture has well maintained mother plant nursery green house mist house, budding nurseries of medicinal, spices, aromatic, and ornamental plants along with the well established facilities like nutrition garden and post-harvest technology laboratory for the benefit of students and farmers to provide hands-on-experience.

Agro- Forestry: Agro-forestry division has established agro-forestry systems viz., live fence, agri-silvi systems, agro-silvipasture systems. The students will be trained for cost benefit analysis of agro- forestry systems, D & D approach, measuring growth of trees and stands. Students will be acquainted to identify different tree species through herbarium sheets.

Sericulture : Sericulture department has a new well developed and equipped laboratory, rearing house, mulberry garden, handicrafts unit and silk reeling units for the purpose of providing hands-on-experience to students about silk worm rearing and processing and demonstrating the same to farming community.