



Sardarkrushinagar Dantiwada Agricultural University

Sardarkrushinagar

Course

1. Recent Advancement in pigeonpea
hetrosis breeding

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Sardarkrushinagar Dantiwada Agricultural University came into existence on 1 May 2004 with its headquarter at Sardarkrushinagar, District Banaskantha with the jurisdiction spread over the districts of Banaskantha, Sabarkantha, Patan, Mehsana, Gandhinagar and Kachchh. The motto of the university 'Be Devoted to Agriculture and Agriculture Alone' speaks of the vision and idealism to which the university constituents are committed.

The university offers a comprehensive educational package for nurturing excellence in professional education to train human resource in agriculture and allied fields for Nation building through agriculture and rural development. The proposed training would be held at main Pulses Research Station.

1.

Recent advancement in pigeonpea heterosis breeding

Training programme

The course is to strengthen knowledge and skill of the participants involved in pigeonpea improvement and production programme in developing countries

Faculty

Well qualified and trained 10 scientists of the centre and invited speakers from the ICAR, IIPR, ICRISAT and SAUs will constitute the faculty.

Course Director	: Dr S Acharya
Duration	: 2 weeks (5-17 February 2009)
Course fee	: US \$ 1,200 per trainee
No. of trainees	: 20 (Twenty)
Accommodation	: To be arranged at VIP guest house of the university /hotels in the city of palanpur. The transport facility will be provided from hotels to the university.
Eligibility	: Master's degree in Plant Breeding/ Agronomy/Plant Protection working experience in pulses or nominated by Government on deputation.

Course Content

- International Hybrid Pigeonpea Scenario: Past, Present and Future
- History, origin, genetics and cytogenetics of pigeonpea
- Hybrid development in pigeonpea
- Diversification of CGMS based lines and restorer lines using different sources of cytoplasmic male sterility
- Utilization of wild species in pigeonpea improvement
- Role of biotechnology in hybrid pigeonpea
- Variability in Indo-African derivatives and its application in pigeonpea improvement
- Seed production protocol in hybrid pigeonpea
- Insect proof mobile net housing technology for purity

maintenance in pigeonpea

- Breeding methods and varietal improvement in pigeonpea
- Principles of seed production and distinctness, uniformity and stability testing
- Recent advances in IPM module for controlling *Helicoverpa* in pigeonpea.
- Integrated Nutrient Management in pigeonpea
- Weed management in pigeonpea based cropping system
- Geographical distribution and identification of diseases and insect-pests of pigeonpea
- Integrated management of major diseases and insect of pigeonpea including bio-pesticides
- Adoption and dissemination of pigeonpea production technology

