



National Network Project on Arid Legumes

CAZRI, Jodhpur

Course

1. Sustainable Production Technology for Arid Legumes

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National Network Research on Arid Legumes is headquartered at the gate way to Indian desert Jodhpur. The project is in execution since 1992. The project has been coordinating research, development and extension activities on arid legumes in India through its 10 regular and 50 verifying centres with a total scientific strength of 80. The project is engaged in genetic improvement, crop husbandry, plant protection, biochemistry and quality aspects and organizing Front Line Demonstrations on latest technologies concerning four mandatory crops of guar, moth bean cow pea and horse gram. The project is broadly concentrating on taming drought, sustaining agricultural productivity and soil health build-up and providing nutritional security to arid eco-system inhabitants. The project has developed more than 50 varieties released and notified by the Govt. of India, which fit well and produce reasonably well in rainfall situations of 150-500mm. The project has organized 3 National Symposia in 2002, 2005 and 2008. The project has enormous basic and applied information for small farm holders and to the corporate world. Project has disseminated technologies to non-traditional niches in India to supplement less remunerative crops like cotton, groundnut and pearl millet. Project is recognized with vast literature as books, bulletins, reports etc.; on the mandatory crops covering all relevant aspects.

1. Sustainable Production Technology for Arid Legumes

Training Programme

To provide practical knowledge to enhance and sustain production with minimum inputs on rainfed arid lands.

Faculty

Well qualified and experienced scientific man power of ICAR Institutes and SAUs is available to constitute the rich faculty of the programme/course.

Course Director : Dr D KUMAR

Duration : 10 days

Course Fee : US\$ 800 per trainee

Number of trainees : 10-12 per course

Accommodation : Available in Institute's Guest House

Eligibility : Master's degree in Plant Breeding/Agronomy/Plant Protection, experience of working in pulses. Nomination may also be done by the concerned Govt. on deputation



Course Contents

- An introduction to arid legumes.
- Genetic improvement of arid legumes for normal and aberrant situations.
- History, origin, genetics and cytogenetics of cow pea, guar and moth bean.
- Arid Legumes for sustaining soil health.
- Conservation agriculture through arid legume.
- P-mobilization through biological measures for higher production of arid legumes under arid environments.
- Industrial uses and export potential of guar gum.
- Food products from arid legumes
- Arid Legumes for farming drought and sustaining coping systems.
- Adaptation and dissemination of arid legumes production technology.
- Integrated insect pest and disease management through bio-pesticides and chemical means.
- Improved production technologies including cropping system and weed menaces.
- Integrated nutrient management for enhanced and sustained production.
- Stress physiology of cow pea, guar and moth bean.

