



National Research Centre for Weed Science

Jabalpur

Course

1. Integrated Weed Management for Sustainable Agriculture

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National Research Centre for Weed Science was established in 1989 to undertake basic and applied research, provide leadership and coordinate network research, to act as repository of information, to act as a centre for training, to collaborate with relevant National and International organizations and to provide consultancy on matters related to weed science. The All India Coordinated Research Project on Weed Control with 22 Co-operating Research Centres across the country are part of the Centre.

1. Integrated Weed Management for Sustainable Agriculture

Training Programmes

The objectives are:

- To expose the participants to the range and themes of integrated weed management.
- To give an overview of the possible technological options for productivity improvement, environmental upgradation and socioeconomic benefits.
- To brainstorm and arrive of suitable integrated weed management modules for the back home situations of participants.

Faculty

NRCWS has experienced scientists and trainers in all the disciplines of weed management, viz., weed biology and ecology, cultural and herbicidal weed management, biological and mechanical weed control, herbicide residue, allelopathy, physiology and bio-chemistry, soil science, agricultural engineering and social sciences. Besides, faculty is also drawn up from other National and International organizations, Industry and NGOs to share their experiences with the participants.

Course Director : Dr Jay G Varshney

Duration : Two weeks

Course fee : US \$ 1,250 per trainee

No. of trainees per course : 20

Accommodation : Will be provided at a very reasonable cost in the neighbouring Agricultural university guest house

Eligibility : Subject matter specialists/ scientists/ extension functionaries/ university teachers from GOs and NGOs

Course Contents

- Historical development of weed management research
- Weed problems in modern agriculture
- Weed biology and eco-physiology of crop-weed competition
- Crop-weed interaction in changing climate
- Non-chemical approaches for weed management
- Allelopathy
- Herbicides and its fate in environment
- Herbicide mixtures and adjuvant
- Herbicide application techniques
- Herbicide resistance in crops and weeds
- Herbicide residues in soil, water and food chain
- Biological control of weeds
- Weed management in organic farming system
- Weed Management in conservation agriculture
- Weed management techniques in major field crops including vegetables and horticulture
- Management of aquatic, parasitic and perennial weeds
- Spread and management of invasive weeds
- Use of remote sensing in weed management
- Modeling crop-weed interaction and Weed Risk Analysis
- Weed utilization
- Economic evaluation of integrated weed management practices

