

Model Training Course
on
Eco-friendly Integrated Pest Management in Arid Crops
(February 13-20, 2018)



Dr. Kuldeep Singh Jadon
Course Director

Dr. Nisha Patel
Course Co-Director

Mr. Khushwant B. Choudhary
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Sponsored by

Directorate of Extension
Department of Agriculture, Cooperation and Farmers Welfare
Ministry of Agriculture & farmers Welfare
Government of India, New Delhi-110 012



Organized by

ICAR-Central Arid Zone Research Institute
Jodhpur-342 003, Rajasthan



Background

Arid zone in India which covers almost 12 per cent of the geographical area of the country, is characterized with a very high spatial variability and adversity in respect of natural resources, their utilization, deficient moisture, nutrient and high sun light. Low and erratic rainfall combined with extreme temperatures result in frequent crop failures and considerably affect the agricultural economy in the region. Hence enhanced production of agricultural commodities in arid zone, solely depends on safe and sustained exploitation of soil, water and climatological resources. Crop plants in arid areas have to encounter with a fast changing growing habitats. Besides these physiological stresses and weather aberrations, crops also have to overcome the biotic stresses posed by pests, i.e. the insects, diseases and weed competitors. With the introduction of canal system of irrigation by the Indira Gandhi Nahar Pariyojana (IGNP) and Narmada in the northern and north-western and south-western arid regions of Rajasthan, widespread changes in the agroecosystem have been taking place, with consequent changes in the pest and disease complex and their population structures. Changes in farming systems and cropping intensities lead to new pest and disease records and changes in their status and earmarking the importance of periodic pest surveillance and monitoring for effective pest management strategies. Appreciably, the arid zone crops have very long history of their evolution and the continued process of their natural and deliberate selections, have developed elasticity and plasticity in their genomes hence, providing adaptation to varied ecological constraints at a time and space. Taking into consideration of above facts a Model Training Course with the primary objective of enhancement and updating knowledge of extension functionaries for the management of diseases and pests and the adoption of the Integrated Practices of Management in major arid region crops.

Course Content

The aim of this training course is to develop skills of the participants working in close association of farmers to suggest site specific protection options vis-à-vis technical knowhow that are sustainable and profitable. Following topics will be covered through visual aid lectures, practical demonstrations and field trips.

- Maintenance of crop health
- Disease- and pest-resistant crops and disease breaks in susceptible crops
- Crop and pasture rotations
- Judicious use of agrochemicals to control weeds, pests, and diseases
- Principles of Integrated Pest Management.
- Cultural practices that maximize biological prevention of pests and diseases
- Organic management practices where and when applicable
- Pest and disease forecasting techniques

Equipment used for the handling and application of agrochemicals. Expertise for above mentioned technologies available with host institute will be shared with personnel working towards the upliftment of farming communities in isoclimatic regions of the country.

Eligibility criteria of applicants

Participants (AO/ADO/ADA/SMS etc.) from all the concerned development departments such as Agriculture, Horticulture (Fruits, Vegetable, Floriculture, Aromatic and medicinal plants, Post Harvest Management, Spices), and allied field states and union territories who are engaged in research/extension /training activities are eligible to attend the training course. The total number of participants will be 20. In case, the trainees from other organizations viz; ICAR institutes, SAU's and KVK's desire to attend the MTC, their TA/DA may be borne by their respective institute/organization. However, all the trainees may avail the lodging /boarding and other facilities in the host training institution. Reimbursement of travelling expenses to the trainees nominated by the state development department shall be made as per their entitlement and GOI norms specified in the guidelines for organizing MTCs. The application for participation may be sent in enclosed prescribed format, duly forwarded/nominated by the competent authority/Head of the institution. It should reach course director on or before the last date by the post, fax or email. The participants will be selected on the basis of their qualification and area of work, relevant to training course.

Duration of training days from

Duration of the model training course (MTC) is from 13th – 20th February, 2018. (Both days inclusive). The participants are expected to arrive at ICAR-CAZRI, Jodhpur latest by the evening of the 12th February, 2018 and can leave after 17:00hrs on the 20th February, 2018.

TA/DA, boarding and lodging

The food and accommodation will be arranged at CAZRI, scientist hostel. The cost of travelling, boarding and lodging etc. of the selected participants will be met out of the grant from the Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, GOI, New Delhi. The participants will be reimbursed the to and fro travel fare for the journey to Jodhpur by rail or bus by the shortest route. The payment will be made as per the entitlement class of travel, restricted to maximum of AC-II tier train fare/bus fare. As regards to daily allowance (DA), any participant, refusing to avail the free board and lodging facilities, will not be given any cash payment in lieu thereof. Participants are requested not to bring family members with them, as the institute has limited hostel facilities.

About Jodhpur

Jodhpur is known as the “Sun City” because of its bright and sunny weather throughout the year. It has been named after Rao Jodha, who established in 1459 it rose to be the second largest city of Rajasthan. Jodhpur city has many beautiful palaces and forts such as Mehrangarh Fort, Umaid Bhavan Palace and Rai Ka Bag Palace. Other charms of Jodhpur include Jaswant Thada, Government Museum and its beautiful Umed and Mandore gardens.

How to reach CAZRI

Jodhpur is well connected through rail and bus transport and has links with all the major cities of India. The institute can be reached by hired or personal vehicle by road. Distance from major terminals of the city is:

From Railway Station: 6 km.

From State Roadways Bus Stand: 9 km.

Important Dates

Last date for recipient of application (through proper channel) : 20 January, 2018

Confirmation of participant (by mail/fax) : 25 January, 2018

All Correspondence should be addressed to:

Dr. O. P. Yadav

Director

ICAR-Central Arid Zone Research Institute

Jodhpur-342 003, Rajasthan

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Dr. Nisha Patel

Course Co-Director

Email: npatelcazri@gmail.com

Mr. Khushwant B. Choudhary

Course Co-Director

Email: khushwantchoudhary1@gmail.com

Registration Form

APPLICATION FORM FOR PARTICIPATION IN THE MODEL TRAINING COURSE

“Eco-friendly Integrated Pest Management in Arid Crops”

(February 13-20, 2018)

(To be sent directly to the Course Director/Co-Directors of the Model Training Course)

- 1. Name (In block letter):.....
- 2. Designation:.....
- 3. Institute/ Organization where employed:.....
- 4. Address for correspondence (Postal address with PIN):.....
.....
- 5. Permanent Address:.....
.....
- 6. Phone No.....Mobile.....Fax No.....
- 7. Email:.....Date of birth:.....
- 8. Sex: Male.....Female.....Marital status: Single.....Married.....
- 9. Participation in any research seminar/summer-winter schools/short course/model training course etc.
during previous year under ICAR/Other Govt. Organization.....
.....
.....
- 10. Academic qualification

Degree	Year	Subject	University/ Institution	CGPA/ % of marks
Bachelor degree				
Master degree				
Other degree /Diploma etc.				

Date.....

Place.....

Signature of participant

Recommendation of the forwarding Institution

Date.....

Place.....

Signature with seal