



**Revised (For online mode)**

**ICAR Sponsored Short Course on  
“Pest Risk Assessment and Eco-  
friendly Management of Mite Pests in  
Agriculture”**

**20<sup>th</sup> to 29<sup>th</sup> January, 2022 (10 Days)**



**Organized by  
Department of Entomology  
N. M. College of Agriculture  
Navsari Agricultural University, Navsari-396 450 (Gujarat)**  
**Sponsored by  
Indian Council of Agricultural Research, New Delhi**

## Background

Pest Risk Assessment (PRA) is done to determine if a pest needs to be regulated. PRA is also done to determine the strength of any phytosanitary measures taken against these invasive pests. The pest risk assessment is a tool to know the likelihood of entry, establishment or spread of a pest within the territory of an importing country, and in relation with potential biological and economic consequences. It is also the evaluation of potential for adverse effects on human, domestic animal health and wildlife. Agriculture has been facing destructive activities of numerous non-insect pests from time immemorial, leading to radical decrease in yield. These non-insect pests particularly mites are constantly being introduced to new areas either naturally or accidentally. Global trade has resulted in increased numbers of many invasive non-native pests including mite species being introduced in new areas. Mites are microscopic but the harm they do may be often enormous. Plant mites are potential pests causing yield losses from 10 to 30 % in normal cases and total crop losses in epiphytic conditions. Vast biological diversity exists among mites which leads to almost unlimited host range. Mites co evolve with other pests and live in dynamic relationship with major pests. They also infest the stored food grains and remain undetected as they are able to mimic the colour of stored products and are microscopic in size. Their control measures include agrochemicals as well as biological options. Moreover, the parasitic mites are often a serious problem in animals including honeybee and livestock. For these reasons mites need different handling than many major insect pests. This short course will be helpful to the participant in updating their knowledge about mite pests and associated risk to ecosystem.

## Objectives

1. To impart training on Pest Risk Assessment with reference to mite pests with their economic importance in ecosystem.
2. To provide practical exposure on advanced tools and techniques of holistic management of mite pests for sustainable agriculture.

## About the course

- 1) Importance of PRA in Agriculture
- 2) International and domestic standards for PRA and Phytosanitary measures
- 3) Mites and their importance
- 4) Mite pests of various crops and their management
- 5) Mite vectors of plant viruses and their management
- 6) Mites in stored products and their management
- 7) Mites infesting honeybees
- 8) Mite pests of protected cultivation
- 9) Biological control of plant mites
- 10) IPM strategies for mite pest management

## Faculty

In addition to the faculty of Navsari Agricultural University, special lectures of eminent scientists from ICAR/SAUs including private organizations will be arranged.

**Date:** 20/01/2022 to 29/01/2022 (10 Days)

**Venue:** Department of Entomology, N. M. College of Agriculture

Navsari Agricultural University, Navsari, Gujarat

## About Location

The short course will be held at Department of Entomology, N.M. College of Agriculture, Navsari Agricultural University, Navsari, which is located in the southern part of Gujarat on the banks of river Purna. Navsari is 40 km away from Surat which is famous for diamond industry and also regarded as textile hub of India. Navsari on the other hand is the birth place of Dadabhai Nauroji and Jamshedji Tata. Historical place Dandi is located 14 km from NAU main campus. Navsari Railway station and Main bus stand are located 3 and 7 kms from NAU main campus, respectively. The weather during January remain pleasant with maximum temperature of 26-30°C and minimum temperature of 15-18°C.

## Eligibility

The short course cum training programme is open for Teachers/Researchers/ Extension Personnel of SAUs and ICAR Institutes of the rank of Assistant Professor or equivalent and above with preferable specialization in Entomology/Plant Pathology/Plant Protection. Aspiring applicants may submit their nominations through proper channel so as to reach to the Course Director on or before 18 December, 2021. Applications will be considered on "First Come First serve Basis". Applications sent directly by the applicants will not be considered.

## Registration

All the participants should submit their application online using CBP portal of Agricultural Education Division, ICAR (<https://cbp.icar.gov.in>). After filling up the online application, take a print out of application form and get the approval from competent authority of the organization. Upload the scanned copy of approved form on CBP portal. The original copy along with Rs. 50/- in the form of Indian Postal Order in favour of "Assistant Administrative Officer, N.M. College of Agriculture, NAU, Navsari, payable at PO Eru, Navsari 396 450, should be sent to the Course Director.

An advance copy of the application (scanned copy) may be sent by email to overcome any postal delay. However, the candidature for final selection will be made only after receipt of the approved original copy. The detailed guidelines for participating in the ICAR short course may be downloaded from the CBP portal. The number of participants selected for the course will be 25 only.

## Travel, Boarding and Lodging

**No travel is required as it is rescheduled for online mode.**

The participants will be paid to and fro travel fare for journey by train or bus as the case may be, by the shortest route on the production of original ticket/receipt. The payment will be AC III tier fare on production of a copy of the ticket(s). In lieu of incidental charges during travel, DA will be reimbursed as per the rules. The participants travelling by bus will be paid actual fare on production of original ticket or receipt limited to III AC, whichever is lower.

## Evaluation and Feedback

Participants need to give their feedback at the end of course and fill up the evaluation proforma in the ICAR portal.

## **Important dates**

**Last date for receiving applications: 17/01/2022**

**Intimation of selection list: 17/01/2022**

**Last date for confirmation by applicant: 17/01/2022**

**Training period: 20/01/2022 to 29/01/2022 (10 Days)**

## **Patron and Chairman**

**Dr. Z. P. Patel**

Hon. Vice-Chancellor, Navsari Agricultural University, Navsari

## **Co-Chairman**

**Dr. T. R. Ahlawat**

Director of Research and Dean P.G. Studies, Navsari Agricultural University, Navsari

## **Course Convener**

**Dr. R. D. Pandya**

Principal and Dean, NMCA, Navsari Agricultural University, Navsari (Gujarat)

## **Course Director**

**Dr. Abhishek Shukla**

Professor and Head, Department of Entomology, NMCA, NAU, Navsari

## **Course Coordinators**

**Dr. S. R. Patel**, Assistant Professor, Department of Entomology, NMCA, NAU, Navsari

**Mr. K. M. Patel**, Assistant Professor, Department of Entomology, NMCA, NAU, Navsari

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