TRAVELLING ALLOWANCE

The candidates selected for participation in the training will be reimbursed travelling expenses as per their entitlement restricted to 2nd AC rail fare by the shortest route after submission of original tickets. No DA will be paid to the participants.

BOARDING AND LODGING

Participants will be provided free boarding and lodging as per ICAR norms and trainees will be accommodated in the ICAR-NRCL Guest House.

HOW TO REACH?

The Centre is situated at Mushahari on Muzaffarpur-Pusa Road at about 8 km from Muzaffarpur railway station. This is located at a distance of 85 km from Patna Jn. (90 km from Patna Airport and 200 km from Bodhgaya Airport) and 25 km from the historic place Vaishali.

Route I: From Muzaffarpur Railway Station Company Baugh [or Morijheel Road Kalyani Chowk] Jail Chowk Bus stand drive onto Muzaffarpur-Pusa Road Rohua Patrol Pump (100 m ahead) NRC on Litchi - Mushahari Farm, Muzaffarpur.

Route II: From Patna by Bus Get down at Ramdyalu Nagar Aghoria Bazar Chowk Mithanapur Chowk - come via Bela or Jail Chowk Rohua Patrol Pump (100 m ahead) NRC on Litchi - Mushahari Farm, Muzaffarpur

PLACES OF TOURIST INTEREST

The city Muzaffarpur is famous for ‘Shahi’ litchi referred as ‘Litchi Kingdom’ is situated on the bank of Buddha Gandak river which flows from the Someshwar Hills of Himalayas. It exists from 18th century and named after Muzaffar Khan, a revenue officer during the British Raj.

Vaishali, one of the world’s first democratic republics in the 6th century B.C. in the time of the Vajis and the Lichchavis remains an important pilgrimage center for both Buddhists and Jains, attracting also historians foraging for the past. Lord Buddha visited Vaishali frequently and at Kolhua, close by, preached his last sermon. To commemorate the event, Emperor Ashoka, in the third century B.C. erected one of his famous lion pillars here. Jainism, too, has its origins in Vaishali, for in 527 B.C., Lord Mahavir was born on the outskirts of the city, and lived in Vaishali. Places to see includes Ashokan Pillar (The Lion Pillar), Bawan Pokhar Temple, Budha Stupa-1 & II, Abhisek Pushkarn (Coronation tank), Kundalpur (Birthplace of Lord Mahavira), Shanti Stupa etc.

EVALUATION

The participants will evaluate the course programme for the quality of contents, suitability and usefulness to the target clientele through well-designed questionnaire. Likewise, the participants will also be subjected to an assessment.

IMPORTANT DATES

Last date for receipt of application: 10th September, 2019
Intimation of Selection of Candidates: 20th September, 2019
Last date for confirmation from participants: 25th September, 2019

All correspondences may kindly be addressed to

Dr. Kuldeep Srivastava
Course Director

Dr. R K Patel
Course Coordinator

ICAR-National Research Centre on Litchi
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ICAR Sponsored

Short Course
On
Advance Plant Protection Tools and Techniques for Safer Fruit Production

10th to 19th October, 2019

Course Director
Dr. Kuldeep Srivastava
Co-Course Director
Dr. Amrendra Kumar
Course Coordinators
Dr. R K Patel
Dr. Alok Kumar Gupta
Dr. Narayan Lal
ABOUT THE COURSE
Biotic stresses caused by insect pests, diseases, weeds etc. are the major factor of pre- and postharvest losses in fruit crops, where pesticides are playing major role in managing them. To prevent the negative impact of pesticides on human health and environment, consumer expectations in term of chemical residues in food are concern, hence innovative tools and techniques are need of hour for sustainable pest management. The research findings demonstrated that several solutions are now available for the growers and such new alternatives are either under process of development or almost ready for use. Although, the use of resistant/tolerant varieties are not feasible in several traditional fruit growing areas, at least part of the synthetic chemical pesticides and/or pheromone mating disruption can be utilized along with bio-control agents to manage pests and pathogens or the number of applications can be reduced by the use of decision support system which identify the optimal timing for the applications. Further, selecting the right equipment for pesticide application is important for successful pest control. In this regard, this short course will help on various issues with plant health management and provide a path to researchers/extension personnel associated with pest management, particularly in fruit crops.

COURSE CONTENT
- Pre and post harvest losses in fruit crops
- Defining plant protection tools and techniques
- Quantum reduction in fruit losses with advance plant protection tools
- Plant protection measures and public concern
- Role of ITK approaches in pest management
- Pheromone technology in pest management
- Bio-pesticides and botanicals in pest management
- Cow products based pest management
- Advanced fruit production techniques and pest management
- Pesticide application equipment
- Pesticide formulations
- Neuer molecules in pest management
- Pesticides residue management
- Pest management in different farming system
- Advanced IPM practices in fruit crops
- Integrated weed management in fruit crops
- Resistant/tolerant varieties in pest management
- Effective pollination in fruit crops
- Additional information from SAUs/ CU/ DUs/ ICAR/ National Institutes/ SMS of KVKs, Govt. Department official involve in plant management having minimum two years of experience, in the disciplines of Agriculture/ Horticulture/ Entomology/ PlantPathology/ Zoology/ Botany/ Life Sciences are eligible to apply. A total of 25 candidates will be selected for this course. The selection of the candidates will be made by a Screening Committee as per the available guidelines of the ICAR.

ABOUT THE VENUE AND LOCATION
The ICAR-National Research Centre on Litchi, Muzaffarpur is premier national institute for conducting research and developments on litchi and provide leadership at national level. It also acts as a national repository of information on litchi production, processing, value addition, and provides consultancy services to end users. The ICAR-National Research Centre on Litchi was established on 6th June, 2001 with a sprawling research farm of about 100 acres. The Centre has state of art laboratory facilities having equipments like GCMS, HPLC, AAS, UV-VIS spectrophotometer, Growth Chamber, leaf area meter, portable photosynthesis system, trinocular phase contrast microscope, inverted phase contrast microscope, stereo binocular microscope, lyophilizer, ultracentrifuge, modified atmospheric packaging unit, hydro-cooling system, forced-air cooling system, cool storage facilities etc. Currently, the Centre has 13 scientific, 7 technical, 10 administrative and 1 supporting staff.

ELIGIBILITY
Active researchers/ teachers not below the rank of Assistant Professor or equivalent

PROCEDURE FOR PARTICIPATION
Eligible and interested candidates may submit application form in prescribed proforma online through CBP portal site (http://iastri.res.in/cbp or http://cbp.icar.gov.in). To create User ID use “Create New Account” link. After login, click on “Participate in Training” link and fill the proforma. Take a printout and send nomination duly forwarded by the competent authority in the prescribed format to Course Director, ICAR-National Research Centre on Litchi, Mushahari Farm, Muzaffarpur 842 002, Bihar. In case of any difficulty in applying online using CBP portal, the participants may also send the proforma filled-in and approved by the competent authority of the organization or through proper channel to Course Director on the address given in brochure. Brochure for application is available on the NRCL website (www.nrlitchi.org). The last date for receiving nomination is 10th September, 2019.

Maximum participation could be 25 in numbers. Advance copy may be sent by e-mail but final selection will be made only after receipt of hard copy forwarded by competent authority. The selection of the candidates will be informed by Telephone/ E-mail / Fax etc. latest by 20th September, 2019.