

APPLICATION FORM

1. Full Name (in block letters):
2. Designation:
3. Present employer and address:
4. Address to which reply should be sent (in block letters) along with Email, phone & mobile number:
5. Date of Birth:
6. Sex: Male / Female
7. Teaching / Research/ Professional experience (mention post held during last 5 years and number of publications):
8. Field of specialization and current area of research / teaching:
9. Mention if you have participated in any Summer / Winter School/ Short Course, etc. during the last 3 years under ICAR & other organizations.:

10. Academic record

Examination passed	Subjects Main /subsidiary	Year of passing	Class/ rank / distinctions	University or Institution
Bachelor's degree				
Master's degree				
Ph.D				

11. Authority who shall issue relieving orders in the event of selection (Address & Email ID)

Place:

Date:

Signature of the applicant

12. Recommendations of the Head of the Department:

Certificate

It is certified that the information furnished above are correct.

Date:

Signature & Designation of the sponsoring Authority with office seal



सत्यमेव जयते

National Institute of Plant Health Management
Department of Agriculture & Cooperation
Ministry of Agriculture, Government of India



रा व स्वा प्र सं
NIPHM

**21-day training on Vertebrate Pest Management
(04 – 24 February, 2015)**



Organized by

**Vertebrate Pest Management Division
National Institute of Plant Health Management
Rajendranagar, Hyderabad- 500 030.**

Among the various pests that afflict damage to the standing crops, vertebrate pests constituting rodents, wild animals and birds cause damage to major crops at farm level and in storage in the country. Among the vertebrate pests, rodents are the major production constraints in agriculture and allied sectors apart from transmitting several diseases to the humans and live stock. Cereal crops and commercial crops like sugarcane, cocoa including oilseed crops like groundnut, coconut, oil palm etc. are most often damaged by rodents causing severe damage upto 20-30%. Depredatory birds inflict damage to crops at sowing, dough and ripening stages of cereal crops and ripening stage in fruit crops. Wild animals like wild boar, blue bulls, sambar also inflict considerable damage to the crops restricted to hillock/ forest areas and adjoining sanctuaries/ national parks.

Adequate technology exists for managing rodent and avian pests through ICAR network projects covering major agro-climatic zones of the country. Wild animal management is linked with the provisions of Wildlife (Protection) act, 1972 and requires close coordination of agriculture and forest departments. By incorporating bird/ rodent management practices under Integrated Pest Management ambit and perspective planning on their management by Government of India the emerging vertebrate pest problems could be effectively controlled in situations like intensive cropping, the changing agricultural practices leading to changes in pest complex, introduction of new crops in pest endemic areas and changing climatic situations.

The course is designed to give exposures on major vertebrate pests, especially rodents and principles of their integrated management for the University teachers and scientists. The topics facilitate the participants to teach the under graduate and post graduate students of both agriculture and horticulture courses in different universities.

Contents

- ✚ Vertebrate problems in agriculture, horticulture, public health, veterinary and storage sectors
- ✚ Taxonomy of order rodentia and their diagnosis
- ✚ Rodent bio-diversity in the country
- ✚ Morphology and anatomy of rodents
- ✚ Role of exogenic and endogenic secretory glands on ethological parameters
- ✚ Behavioural adoptability and reproductive plasticity in rodents
- ✚ Major rodent pest species in India and their diagnosis
- ✚ Rodent damage appraisal in different field and horticultural crops
- ✚ Modern storage structures for rodent proofing and preventive rodent management
- ✚ Non-chemical and chemical rodent pest management.
- ✚ Strategic and management planning for rodent pest management
- ✚ Integrated rodent pest management in rice, wheat, sugarcane, pulses, oilseeds, horticultural crops, storage and other situations
- ✚ Bird pests and their damage in different crops.
- ✚ Application of GPS and GIS tools and Integrated bird pest management
- ✚ Major wild animals causing damage to agricultural crops and their management in view of Wildlife Protection Act
- ✚ Impact of climate change on rodent pests in agrarian ecosystems
- ✚ Recent advances in vertebrate pest management, research gaps and researchable issues
- ✚ National Plan on rodent pest management

Eligibility

Participant should be a post graduate entomologist from an ICAR institute or State Agricultural University and shall preferably be below the age of 45 years. Candidates who have undergone any training related to this field of research earlier at NIPHM need not apply.

Venue

Vertebrate Pest Management Division
National Institute of Plant Health Management
Rajendranagar, Hyderabad-30.

Travel

The Institute would pay to and fro rail/bus fare by the shortest route to the candidates on production of actual tickets as per the eligibility to a maximum ceiling of II-tier A/C. The candidates have to provide a certificate to the effect that they have not been given TA and DA by the sponsoring institute for travel. Boarding and lodging will be arranged for the participants in the campus.

Hyderabad, the capital city of Telangana State, hub for several central institutes related to agriculture and allied sectors. City is well connected by Road, Rail and Air to all major cities in India.

The weather at Hyderabad during February will be cool and Pleasant.

The participants are requested to send the filled in application forms through proper channel to the following address by post. Advance copy can be sent by email.

Dr. N. Srinivasa Rao

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Last date for receipt of application through sponsoring Institute is 31. 01. 2015.