



PROJECT NOTIFICATION

Reference No.: 433

Date of Issue	8 July 2024
Project Code	24-CP-49-GE-DLN-A
Title	APO e-Course on Integrated Pest and Diseases Management in Rice
Timing	15 November 2024
Hosting Country(ies)	APO Secretariat
Venue City(ies)	Not Applicable
Modality	Digital Learning
Implementing Organization(s)	APO Secretariat
Participating Country(ies)	Open
Overseas Participants	Not Applicable
Local Participants	Not Applicable
Closing Date	Not Applicable
Remarks	Timing is the launch date of the e-course.

Objectives	Learn about updated integrated pest management (IPM) practices in rice farming; promote unique green control with less pesticide use through effective IPM practices to elevate sustainable rice productivity; and enhance understanding of the impact of IPM and indiscriminate pesticide use on safe food production, environmental hazards, and pest resistance.
Rationale	In pursuit of Green Productivity, it is imperative to minimize environmental consequences and climate change effects caused by agriculture. Integration of IPM through “green plant protection,” ecological engineering, etc. in rice farming is pivotal. This approach embraces sustainable innovations in pest and disease management, offering substantial benefits to APO members.
Background	<p>Rice is a staple food in Asia, which produces and consumes 90% of the world rice harvest. It faces increased pest and disease outbreaks due to climate change, causing 37% yield loss and jeopardizing farmers’ livelihoods. In 2021, Asia used 980 kilotons of pesticides, 8% more than in 2020 (FAO, 2023). Excessive use of pesticides has led to reduced biodiversity and natural biological control, high pesticide residues, rapid pest resistance, secondary pest outbreaks, environmental pollution, and ecological imbalance. The traditional dependency on chemical pesticides is economically and environmentally unsustainable. IPM is a holistic alternative, promoting the use of pest-resistant rice varieties and biological, physical, and chemical control methods.</p> <p>This e-course is designed to disseminate innovative IPM knowledge and skills for effective, eco-friendly pest management techniques and technologies for sustainable rice production.</p>
Topics	Introduction to IPM principles in rice cultivation; Rice weed and insect pest prevalence across Asia; Diagnosis of rice disease incidence and epidemiology; Insights into the development and management of pest/ pesticide resistance; and Exploration of innovative IPM practices for safer rice farming.
Outcome	Participants will understand IPM fundamentals, learn the value of advanced IPM practices and technologies in the context of biodiversity and a healthier ecosystem, and be aware of risks associated with pesticide use and innovative IPM applications for sustainable high rice yields.
Qualifications	Open to all participants in APO members and nonmembers.

Please refer to the implementation procedures circulated with this document for further details.



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