

Mobile: 9480696301

Phone : 08532 – 220889

Fax : 08532 - 220889

UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR

Lingasugur Road, RAICHUR-584 104, Karnataka, India

Dr. B.V. Patil

M.Sc. (Agri), Ph.D, FRES (London)

**Director of Education &
Former Vice-Chancellor**



E-mail: doeuasraichur11@rediffmail.com

bvp2001@rediffmail.com

www. uasraichur.edu.in

DOE/ UASR/ 3467/ 2015-16

Date: 28-12-2015

To,

The Vice-Chancellor

Sir

Director of Research & Dean P.G.S.
N. A. U. Navsari
INWARD NO: 287
DATE: 08/12/15

Sub: Launching of Massive Open Online Courses (MOOCs) on Integrated Pest Management (IPM)

Massive Open Online Courses, or MOOCs, enable thousands of learners to access high quality education in a single offering. Agriculture is a critical sector where the need for improved skills is greatest and massive. Hence, it was felt necessary to develop MOOCs in Agriculture to meet out above challenges. In this regard, University of Agricultural Sciences, Raichur, Karnataka has developed a MOOC on **"Integrated Pest Management (IPM)"** in association with IIT, Kanpur, NPTEL and COL, Canada. This is an eight week course starting from **11 January 2016** encompassing the principles and components of IPM along with successful case studies.

This course is most useful to Undergraduate and Post graduate students of Agriculture, faculty of plant protection and progressive farmers. There is no registration fee and certificate will be provided after successful completion of the course.

I am enclosing the brochure of IPM along with other courses developed in Agriculture. I request your kind self to give wide publicity and encourage students and faculty to enrol for the course by displaying them in notice board of your University / Colleges.

Wishing you a very happy New Year

Thanking you.

Yours faithfully

(B.V. Patil)

Director of Education &
Former Vice-Chancellor
UAS, Raichur
Karnataka, India

Handwritten notes:
PSVC/11/12/16
28. 02/01/16
T-4
7-7-16
Director of Research / Deans / Principals
circulate
put on website
circulate
7/1



Integrated Pest Management (IPM)



Insect pests cause huge economic loss to crops across the globe affecting total food production which is essential to meet the demands of growing human population. Avoiding such loss is of the immediate concern for all and this is achievable through Integrated Pest Management (IPM).

This course on IPM will cover the basics of insects and their dominance in nature, insects as pests, reasons for their outbreak resulting in crop loss, types of pests, and mode of surveillance, sampling methods and economic damage levels of pest populations. The course also explains about the principles and concepts of pest management and different components of IPM: legal, ecological, physical, cultural, mechanical, behavioral, biological, botanical, chemical and biotechnological approaches.

This course also talks on Integration of different IPM tactics, their pros and cons and Implementation of AESA - Agro-ecosystem Analysis in pest management. Lastly, successful IPM cases in Cereals (Paddy), Commercial Crops (Cotton, Sugarcane), Pulses (Redgram, Soybean), Oilseed Crop (Groundnut), Vegetable Crops (Cabbage, Tomato) and Fruit Crops (Mango, Grapes) will be discussed.

Who should attend IPM course?

- Students of Agricultural Universities
- Faculty of SAU
- Agriculture Scientists in ARS
- NGOs in Agriculture
- Field Officers of Department of Agriculture / Horticulture
- KVK Subject Matter Specialists in Crop Protection
- Progressive Farmers/ Farming Community

Course content

Pest, definition and categories	IPM integration tactics
Principles of pest management	Agro-ecosystem analysis
Components of IPM	Successful IPM cases

At the end of the course, a participant should know about

- Pest survey, surveillance and methods of sampling
- Ecological management of pests
- Pest management by modifying insect development and behavior
- Pest management through innovative approaches
- Pros and cons of different IPM techniques and their integration
- Successful IPM cases

Certificates

agMOOCs are offered under the umbrella of NPTEL. Qualifying students will be given certificates based on their involvement and performance. Participation certificate and Competency certificate will be issued by Centre for Development of Technical Education, IIT Kanpur and NPTEL.

COURSE NAME

Integrated Pest Management

START DATE

January 11, 2016

DURATION

8 Weeks

PRE-REQUISITES

None

REGISTRATION

Open and free of charge

Instructors

Prof. Prabhuraj A.
UAS Raichur
Faculty Incharge

Prof. B.V. Patil
UAS Raichur

Prof. M. Bheemanna
UAS Raichur

Operations

Dr. Neeta Singh
Dr. Sharwan Shukla
Ms. Revathy KT
Mr. Deepak Kumar
Mr. K.K. Dubey
Mr. S.K. Singh
Mr. Ravi S Mula
Ms. Neha Anand

powered by

mookIT

<http://mookit.co>

REGISTER AT <http://agmoocs.in>

For more information contact info@agmoocs.in