MASTER OF AGROECOTEHNOLOGY
FACULTY OF AGRICULTURE
UNIVERSITY OF BENGKULU

COURSE SYLLABUS

AGT-524: INTEGRATED PEST MANAGEMENT

Type of course : Compulsory
Credit unit : 3
Semester offered : 2

Course description

Discusses forecasting, monitoring, and management of disease organisms and plant pests and weeds to maximize crop productivity in a sustainable manner.

Learning outcome

Able to make an assessment of the incidence of plant pest organisms and their impact on plant productivity and management strategies.

Course content

1. Plant diseases epidemiology and management
2. Pest biology, forecasting, and management
3. Weed biology and management
4. Bio pesticide and bio herbicide

References

1. Kranz, J., & Rotem, J. (Eds.). (2012). Experimental techniques in plant disease epidemiology. Springer Science & Business Media.
2. Cooke, B. M., Jones, D. G., & Kaye, B. (Eds.). (2006). The epidemiology of plant diseases (Vol. 2). Dordrecht, The Netherlands: Springer.
3. Abrol, D. P., & Shankar, U. (Eds.). (2012). Integrated pest management: Principles and practice. CABI.
4. Fry, W. E. (2012). Principles of plant disease management. Academic Press.
5. Dent, D. (2000). Insect pest management. Cabi.
6. Inderjit (Ed.). (2004). Weed Biology and Management. Springer Science & Business Media.