



“Investing in Africa’s future”

COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

NACP 504: INSECT PEST MANAGEMENT

END OF FIRST SEMESTER FINAL EXAMINATIONS

NOVEMBER/ DECEMBER 2022

LECTURER: W. MANYANGARIRWA

DURATION: 3 HOURS

INSTRUCTION

ANSWER ANY FOUR QUESTIONS.

EACH QUESTION IS WORTH 25 MARKS

ANSWER ANY FOUR QUESTIONS

1. Give a concise outline of the major insecticide groups used in insect pest management. In your answer include the mode of action and cite practical examples where specific insecticides are used. [25]
2. With the aid of appropriate examples, discuss in detail some of the successful biological control agents that are used in pest management. [25]
3. Outline the main ways in which insects develop resistance to different insecticides and suggest ways in which crop managers can minimize the development of insect resistance to insecticides. [25]
4. As a diligent farm manager, give a concise outline of insecticide formulations and the appropriate equipment that can be used to apply these in the field. [25]
5. Outline in detail the insect pest spectrum in a crop that you have studied in detail. In your answer illustrate the value of Integrated Pest Management in managing the insect pests. [25]
6. Write an essay on, "Prospects of improving Pest Management through Genetic Engineering." [25]
7. Give a concise outline of Integrated Pest Management strategies that you can recommend to smallholder vegetable growers to manage insect pests. [25]
8. Discuss the idea that the Insect order Hymenoptera is the most beneficial order in terms of biological insect pest control. [25]

END OF EXAMINATION PAPER