



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
KM 4 Kaduna - Zaria Expressway Riga Chikun Kaduna
2025_2 EXAMINATIONS

DEPARTMENT OF CROP AND SOIL SCIENCES

COURSE CODE: CRP 309

COURSE TITLE: ARABLE CROPS

TOTAL CREDIT UNIT: 2 CU

TIME: 2 HRS

Instruction: Answer Three Questions in all, including Question One which is Compulsory

Question One

- a). Write a brief Descriptive note on the following farm pre planting Operations
i) Harrowing ii) Ridging iii) Ploughing
b) Identify any six strategies of pest control measures
c) Primary processing of cereals includes
d). Mention any two groups of organisms that can cause diseases or reduce drop e). Define harvesting and list 3 harvest indices
f) Identify any five equipment used for crop harvesting
g) Explain the motive of caring out primary processing

Question Two

What are the physical symptoms shown by a maize crop expressing deficiencies of (i). Nitrogen ii. Phosphorus iii. Potassium

QUESTION Three

- a)
i) Identify any five micro nutrients
ii). What are Macro Nutrients. Give 3 examples
b). Depict four methods of fertilizer application
c). Enumerate five mineral fertiliser

Question Four

- a) List any five categories of pest.
b). List of any five insects species commonly found on arable field
c). List any five common diseases of crops

Question five

- a). Write a short note on the objective of storage & List of storage structures
b). List of storage structures