



Uganda MARTYRS

University

FACULTY OF AGRICULTURE NGETTA CAMPUS

Certificate in Agriculture (CAP 1)

Final exam

SEMESTER I 2023/2024

Date: 13th/Dec/2023

Maximum Duration: within 8 hrs.

Instructions

- 1. Answer all the two (2) questions in total.**
 - 2. All questions are compulsory**
 3. *Each question carries 50 marks both written and field work.*
 4. *Each question attempted will take a period of 3 hours in the field. After field examining, all students will go to class and will be given only 30 minutes to prepare for written part of exam.*
 5. *Written part of the exam will take a period of 1^{1/5} hours for both questions and will be inside the class.*
 6. *Each question attempted should be written on a new page.*
 7. *Credit will only be given to candidates whose field will appear neat and those who will have answered the asked questions correctly.*
 8. *Indicate your registration number, on each page of the answer script.*
 9. **Start time: 08:30am – End time 03:30pm.**
 10. *Strictly examination malpractices may lead to penalty*
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Question 1a) As a student pursuing Certificate in Agriculture of Uganda Martyrs University, you planted **Cabbages or Sukuma wiki** and they are three weeks old established field. In your observation, their growth is not promising

(stunted growth) and you're entitled to apply the available fertilizer (**NPK blended**) provided by extension workers from Production department Lira district, clearly and practically apply the given fertilizer following the recommendations provided below; (30

Marks)

- i) Fertilizer application rate, each plant must receive one soda bottle top
- ii) Ensure weeding is properly done
- iii) Ensure each plant where fertilizer (**NPK blended**) is applied watering is done properly
- iv) Ensure that all barriers that can harbor pest and pathogen are properly cleared around your plot

CLASS

b) State the active nutrients available in **NPK blended** as the fertilizer used during field practical (3

Marks)

c) In your observation, clearly give some factors you could think may have caused the un promising Cabbages of Sukuma wiki growth (stunted growth) (5 Marks)

d) Clearly explain the reasons why you decided to apply fertilizer (**NPK blended**) to your Cabbages of Sukuma wiki plants? (17

Marks)

Question 2a) As a student pursuing Diploma in Crop Production and Management of Uganda Martyrs University, you planted **Cabbages and Sukuma wiki** which are three weeks old established field, clearly and practically demonstrate how you could put the practice of weeding into action? (20 Marks)

CLASS

a) Clearly state any two weed classifications you found growing in your field? (4Marks)

- b)** Clearly explain why you decided to practice weeding of your field (**10 Marks**)
- c)** Explain the 4 cultural practices of weed control (**6marks**)
- d)** Why is chemical control of pest the last option in cabbage production (**3marks**)
- e)** Name two key pests of cabbage and their site of damage in cabbage (**3marks**)
- f)** In your understanding, do you think weeds have an effect on Cabbages and Sukuma wiki plant? Explain (4
Marks)

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