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LESSON NOTES

School: Ba Sangam College
Subject: Agricultural Science

Year/ Name: 9 _____
Worksheet: 22

Strand	AS 9.3. Agronomy
Sub Strand	AS 9.3.2 Horticulture
Content Learning Outcome	Students are to learn and practice skills in this strand by carrying out practical work.

LESSON 1/2/3/4: HARVESTING/ POSTHARVEST TREATMENT/ USE OF HARVESTED PRODUCE/ USE OF CROP RESIDUES OR BY-PRODUCTS

Lesson Outcomes: At the end of this lesson the student will:

- i) identify the parts of plants which are harvested for use
- ii) discuss the importance of post- harvest treatment of crops
- iii) explain some postharvest processes
- iv) determine the uses for crop yields harvested from the school gardens
- v) discuss the uses of the residues or by-products of crops

NOTES:

Farmers identify signs which indicate that a crop is ready for harvesting. The farmer must harvest the crop at the correct time and use the recommended harvesting method to ensure that the produce is kept fresh for use.

Rule of thumb –

- harvest early in the morning when crops are freshest and to avoid the heat.
- keep produce in a cool shady area.
- handle produce gently.
- spread produce out to avoid bruises (Avoid large piles of produce).

Postharvest treatment ensures that the harvested produce reaches the consumer while still fresh and that the shelf life is extended.

Once a crop is harvested, the farmer must decide how to use the produce.

Crop residues and by-products are used to benefit farms and the environment may earn income for the farmer.

Activity Worksheet 22

1. 1. Identify at least 5 crops which are harvested for their;
i) leaves ii) flowers iii) fruit iv) stems v) sap vi) roots

(6 marks)

2. Describe the methods used for harvesting the following crops:
i) beans ii) sea weeds iii) pine trees iv) carrots v) Para grass

(5 marks)

3. Explain why farmers harvest “bele” early in the morning.

(1 mark)

4. Discuss ways of keeping harvested wild edible ferns fresh.

(2 marks)

5. Choose a crop produced in your area and discuss why postharvest treatment is important for that crop e.g. Jackfruit, yams, ginger, wild ferns.

(3 marks)

6. Discuss why you would encourage farmers to keep the best produce from the farm for their own family use.

(2 marks)

7. Explain why farmers should not burn crop residues and byproducts.

(1 mark)