



Sir Arthur Lewis Community College
Division of Agriculture
Certificate in Agriculture



Academic Year 2000/2001 End-of-Semester Exam

#F3

Banana & Fruit Crop Production - BFC512

Duration: 2½ hours

May 2001

Answer any four questions.

1. The banana industry in St. Lucia seem to be experiencing a downward trend. Identify four reasons why this may be so and make recommendations for the reversal of this trend. (25 marks)
2. A friend approached you for advise on the establishment of a citrus orchard. Explain the steps you would recommend for the development of such an orchard (25 marks)
3. a) Pest and diseases can impact negatively on production. Describe how this may be so. (10 marks)
- b) Explain two measures you would employ to reduce the incidence of pest and diseases. (10 marks)
- c) Identify a major pest and disease of citrus/passion fruit and their control measures. (5 marks)
4. a) Why is it not advisable to propagate most fruit trees from seeds. (5 marks)
- b) Give one example of fruit trees propagated by the following methods (i) seeds, (ii) grafts, (iii) buds, (iv) layering, (v) buds (5 marks)
- c) Describe the operations of a commercial propagation unit/nursery (15 marks)
5. a) How does flowering in papaya and avocado impact on their yields. (10 marks)
- b) What are the recommended spacing for two crops named in (a) and what general influences spacing. (10 marks)
- c) Give the scientific names of the two crops mentioned. (5 marks)
6. a) Explain what is meant by the term economic importance. (10 marks)
- b) Pruning of fruit trees is a recommended practice. Why and when such an exercise be undertaken. (5 marks)
- c) Briefly discuss two factors that seem to hinder increase production of a named fruit crop. (5 marks)

~~~~~ End of Test ~~~~~

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DAGRI past papers

SIR ARTHUR LEWIS COMMUNITY COLLEGE  
DIVISION OF AGRICULTURE

CERTIFICATE PROGRAMME  
SUPPLEMENTAL EXAMINATION 2000

BANANA & FRUIT CROP PRODUCTION - BFC512



JULY/AUGUST 2000

TIME: 2 HOURS

ANSWER ALL FOUR QUESTIONS.

1. (a) Discuss banana cultivation from land preparation to first harvest. (15 marks)
- (b) Discuss three practices that a farmer may employ to enhance quality. (10 marks)
2. (a) Write short notes on (i) pruning (ii) crop rotation (iii) transplanting. (15 marks)
- (b) Give the family and scientific names of five fruit crops. (10 marks)
3. Discuss ways in which a soil may (a) lose its fertility and (b) regain its fertility. (25 marks)
4. (a) Use of chemical fertilizers in crop production has become a common practice. Discuss the advantages and disadvantages of this practice. (25 marks)
- (b) Organic matter is being promoted as an alternative to chemical fertilizers. Discuss your views on this trend (10 marks)

