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PRODUCTION OF SWEET POTATO AND BUSH SITAO
UNDER COCO-BASED CROPPING SYSTEM

CORAZON C. GALLEGO

April 1992

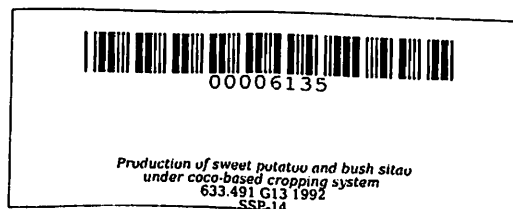
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UNDER COCO-BASED CROPPING SYSTEM

CORAZON C. GALLEGO

SUBMITTED TO THE FACULTY OF GRADUATE STUDIES
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CONCLUSION

This farm practice project was undertaken at barangay Ilaan, Tayabas, Quezon to help farmers improve their farming techniques through the introduction of modern technology.

A 2,500 square meter field was plowed and harrowed twice at an interval of one week to allow weed seeds to germinate and the organic materials to decay. The last plowing was followed by harrowing to ensure the levelling of the land.

Sweet potato and bush sitao were planted under the coconut at the same time. Tip cuttings of sweet potatoes were planted between rows of coconut at a distance of 30 X 75 cm. Bush sitao were planted in between sweet potatoes. Sweet potatoes were harvested 110 days after planting and bush sitao were harvested by hand picking 50 to 65 days after planting. Two thousand one hundred fifty kilos of sweet potatoes and two hundred fifty five kilos of bush sitao were produced and were marketed immediately after harvesting at ₱4.00 per kilo and ₱8.00 per kilo respectively. After the cost and return analysis, a net income of ₱7,541 was obtained.

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PRODUCTION OF SWEET POTATOES AND BUSH SITAO
UNDER SOGO-BASED CROPPING SYSTEM

by

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A practicum report submitted to the faculty of Extramural Study Program of Don Severino Agricultural College, Indang, Cavite. Submitted in partial fulfillment of the requirements in Special Study Program under the supervision of Professor Josefino A. Viado.

INTRODUCTION

Sweet potato (Ipomea batatas L. Lam) is a creeping plant, the tubers of which have a high nutritive value, and can adopt itself to a wide range of growing conditions. It is also said to be drought resistant. Sweet potatoes are used not only as an important vegetable, being a staple food in a number of countries, but also as a useful crop for stock feed for the provision of industrial raw materials.

Bush sitao (Vigna sesquipedalis) also termed as bushy, is a plant belonging to the family Leguminaceae. This crop does not require pole to support it. It promises a good supply of nutrients like protein, minerals and vitamins. This crop is becoming popular to the country not only because of its high protein content but also because of its value as soil renovator. It is noted for its ability to improve soil condition especially when