

PRODUCTION OF SNAP BEANS (*Phaseolus vulgaris*): AN
ENTREPRENEURIAL DEVELOPMENT PROJECT

Enterprise Development Project

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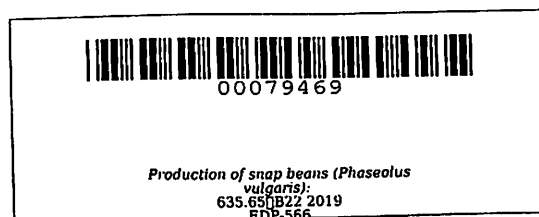
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PRODUCTION OF SNAP BEANS(*Phaseolus vulgaris*): AN ENTREPRENEURIAL DEVELOPMENT PROJECT

Enterprise Development Project Report
Submitted to the Faculty of the
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Major in Crop Production



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ABSTRACT

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This entrepreneurial development project (EDP) was conducted in Cavite State University – Don Severino de las Alas Campus, Indang, Cavite from the month of January to April 2019. The project was conducted to apply management and disciplines in handling small business enterprise particularly the production and marketing of snap beans. Specifically, this project aimed to: (1) apply knowledge in the actual management of snap beans; (2) enhance the skills in producing and marketing high quality of fresh snap beans; and (3) determine the profitability of the snap beans production.

The project is a sole proprietorship type of business. Activities were managed by Nastasha May Baniqued. She was responsible for overall production activities in the project. Ms. Baniqued was the farm manager, responsible for the record keeping and marketing of the products. Two laborers were hired for production and management of snap beans.

The project started on January 2019 until April 2019. This project required 1,320 seeds of snap beans (*Phaseolus vulgaris*) in an open area measuring 300 m². The project was composed of 20 plots that measures 1 m x 10 m following the recommended distance of 0.30 m between hills and 0.70 m between rows in each plot.

The enterprise started on January 2019. The pre-production activities like land preparation through plowing, harrowing and weeding was done on the first week of January. The student entrepreneur procured all the agricultural inputs and materials on

the second week of January. Trellising was done on the third week of January prior to planting and application of basal fertilizers. Watering of plants was done every day or as needed. Application of complete fertilizer (14-14-14) was done twice (1st week and 3rd week). Spraying of wood vinegar was done when emergence of pest was observed. Weeding was done a month after planting and once every two weeks or as needed. Harvesting and packaging of harvest was done on the second week of March up to third week of April.

The snap beans were sold in Malabon Public Market at General Trias City, Cavite with a wholesale price of P 50 per kilogram. Some of the harvested beans were sold in Daegyoung Apparel Inc. Harvested beans were also sold to walk-in buyers and neighbors with a retail price of P 80 per kilogram.

The total cost of materials amounted to P 3,396, while the depreciated cost for tools and equipments amounted to P 298.65. The total labor cost based on P 400/man-day amounted to P 14,150. The total cost for water consumption, land rental and transportation amounted to P 2,208.6. The overall cost of production amounted to P 20,053.25. The total sales for the whole production amounted to P 23,620. The net income was P 3,566.75, with 17.78 percent of Return on Investment (ROI).

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PRODUCTION OF SNAP BEANS (*Phaseolus vulgaris*); AN ENTREPRENEURIAL DEVELOPMENT PROJECT

Nastasha May Baniqued

An entrepreneurial development project report presented to the faculty of the Department of Agricultural Entrepreneurship, College of Agriculture, Food, Environment, and Natural Resources, Cavite State University, Indang, Cavite in partial fulfilment of the requirements for the degree of Bachelor in Agricultural Entrepreneurship major in Crop Production with Contribution No. EDP 2019-55. Prepared under the supervision of Ms. Abigail P. Daria.

INTRODUCTION

Snap beans (*Phaseolus vulgaris*), commonly known as 'Baguio beans', is a herbaceous annual plant that is grown for its tender green pods. It is a rich source of beta-carotene, fiber, potassium, calcium, and phosphorus. It is also low in calories containing no fat, sodium, or cholesterol.

Snap beans can be successfully grown in well-drained, heavy rich loam soil. In growing snap beans, a soil pH ranging from 5.5 to 6.8 is required. It is successfully grown in cooler places like in Mt. Province. However, highlands of other regions are also producing these crops in commercial scale like Ilocos, Cavite and Bukidnon.

Legumes like snap beans can fix nitrogen in the soil in symbiosis with rhizobium bacteria, taking nitrogen from the air and releasing it into the soil, fulfilling their own nitrogen. Snap bean is a short day plant so it can be planted from September to April for better yield.