

PROJECT PROFILE

I. Title of the Project	ESTABLISHMENT OF BANANA TISSUE-CULTURE LABORATORY IN PUERTO PRINCESA CITY
II. Applicant/Contact Person	Name: Jose Seward S.Sapalo KINGDOMPRIZE, Philippines Sapalojojo1964@gmail.com +63-917-522-7090 Technical Expert: - Ms. Remedios Sison Flamiano, Ph.D Greenland Agritech Venture, Inc. rflamiano@gmail.com +63-935-935-5992
III. Type of Investors	/_ / Institutional (i.e. banks, insurance, pension fund) /V / Public-Private Partnership /V/ Individual Investors (i.e. angel investors, venture capitalist)

IV. Executive Summary

In preparation to the growing population of the city of Palawan, there is an urgent need to upgrade technologies that will increase agriculture productivity. One of the latest technology used to produce en mass supply of any planting materials is the use of Tissue Culture Technique. This technology has been found very efficient in the production of bulk, true- to- type quality planting materials needed to establish commercial banana plantations. In Mindanao, which is the country's biggest producer of exported bananas worldwide, planting materials are mainly generated from this technology. The technology, however, demands heavy capitalization on laboratory equipment which are important in the mass production of plantlets under strict aseptic conditions.

The project will establish a 200 m² state-of-the art laboratory that is projected to produce more or less 100,000 banana planting materials per month and 2,000 m² fully netted Plant Nursery for hardening of meriplants produced in the laboratory. This project hopes to produce provide cheaper source of quality banana planting materials for the farmers of Palawan 7 months from the start of actual operation of the laboratory and is expected to generate sales within this period. The availability of constant supply of affordable, disease-free and quality planting materials produced from this facility will eventually encourage more farmers to engage in banana industry and ultimately open possibilities for export to neighboring countries.

<p>V. Project Description</p>	<p>This project aims to establish a 500 m2 state-of-art laboratory mainly for mass production of in demand banana varieties including Lakatan, Cardava, Tundan and Cavendish. The facility is designed to accommodate 50,000 to 100, 000 meriplant production per month with at least 12 plant propagators, 3 support utilities and 1 technician and 5 nursery support staff.</p> <p>Moreover, the laboratory facility is backed up by a 2,000 m2 fully netted plant nursery for hardening of meriplants produced in the laboratory.</p>
<p>VI. Market Aspect</p>	<p>Target market <input checked="" type="checkbox"/> Domestic <input checked="" type="checkbox"/> Foreign</p>
<p>VII. Project Cost/Budget</p>	<p>P10,090,000.00</p>

VIII. Project Output	A state-of-the art Banana Tissue Culture facility that is the main source of cheaper, disease-free, quality planting materials required to build the banana industry in the province.
IX. Project Outcome	The establishment of banana industry in Puerto Princesa will not only provide a cheaper source of bananas for local consumers as well as foreign visitors of the city of Palawan. It is expected to support SMEs and commercial clients which eventually will contribute to generate big revenues for the government, provide additional jobs and a source of livelihood for the people of the entire province.

Appendix: Financial Projection

Financial Projection for the 100,000 plants capacity tissue culture laboratory for 5-year period*

Item	Year 1 (2013)	Year 2 (2014)	Year 3 (2015)	Year 4 (2016)	Year 5 (2017)
Sales (P15.00/plant)	3,000,000	18000000	18000000	18000000	18000000
Costs					
A. Building	3,000,000				
B. Equipment	3,390,000	3729000			
C. *Personnel	2,400,000	2640000	2904000	3194400	3513840
D. *Operating Expense	1,300,000	1430000	1573000	1730300	1903330
Total Costs	10,090,000	7799000	8578900	9436790	10380469
Net Income	7,090,000	10,201,000	13,523,000	13,075,300	12,582,830