

# Analysis of nutritional constraints to cocoa production in Papua New Guinea



## Key details

### Location

Papua New Guinea

### Duration

Start Apr 2007

End Apr 2008

### Budget

AUD 100,316

### Commissioned organisation

James Cook University

### Partners

Cocoa Coconut Institute of Papua New Guinea; CSIRO Land and Water; Curtin University of Technology; National Agricultural Research Institute

### Project Leader

Paul Nelson

### Program

Soil and Land Management

### Project code

SMCN/2006/031



## Overview

The objective of this study was to provide the information necessary to design and target R&D investments into soil fertility and crop nutrition management in cocoa production systems of PNG.

Cocoa is the primary cash crop in most coastal areas of Papua New Guinea (PNG), bringing in earnings of around K168 million per annum. The possibility of nutrition-related limitations to productivity had been raised in the past but not examined in detail.

## Project outcomes

- A benchmark data-set on constraints to cocoa productivity in relation to soil fertility and plant nutrient status, agronomic management and basic socio-economic determinants of grower decision making.
- A constraints analysis identifying maximum impact sites and strategies for nutrient management R&D for cocoa.



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