

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

**End** Apr 2008



# **Key details**

### Location

Papua New Guinea

### **Duration**

Start Apr 2007

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.



