

Cassava Starch WORLD 2012

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Optional Site Visit on 22nd Feb 2011 to TTY Agriculture Plant Development Co

TTYAPD is a leading tapioca starch manufacturing company located in Kompong Cham province, Cambodia where the majority of tapioca roots are produced. This advantageous location allows TTYAPD to have reliable supply of fresh roots to manufacturing in producing high quality, high grade tapioca starch.

The factory has been built on the 25 hectare complex of the TTYAPD's head office – about 15 km from the Vietnam Xamat gate border, where all trade transactions and trade deliveries take place in the eastern border of Cambodia

There are four types of production under operation that will be shown for the site visit:

- Tapioca Starch
- Natural Fertilizer
- Animal Feed Factory - Project is under construction
- Biogas Power Plant Project - Project is at 60% completion

08:00am Gather at hotel lobby. Depart for TTY Cassava Facility

10:00am Arrive TTY company

Tour for 2 hours

12:00pm Leave the site

14:00pm Arrive Hotel

DAY 2 – 23 Feb 2012, Thursday

08:00 Registration & Coffee

09:00 Chairman's Introduction

09:10 **Global Starch Market Outlook & Competing Raw Materials for Starches by Product Segment and Region**

- Pricing outlook and cassava growth potential
Sara Girardello, Head of Starch Research, LMC International

Cassava for Value Added Applications & Future Outlook

09:50 **Cassava Starch for Industrial & Non Industrial Applications – Switching Interchangeably from Sugar to Starch**

- Opportunities for Cassava in biochemical application and biodegradable packaging
Dr. Klanarong Sriroth, Dept of Biotechnology, Faculty of Agriculture Kasetsart University

10:30 Discussion followed by Coffee

11:00 **Developing Quality Starches for New Applications**

- Establishing and measuring quality criteria for starch
- Sources of variation in starch quality and how the companies can test for quality control
- Requirements for different purposes and how cassava can or cannot likely be adapted for those uses

Dr. Harold Corke, School of Biological Sciences University of Hong Kong

11:30 **Engineering Starch for High-Value Packaging Film Applications**

Dr. James Wang, Research Technical Leader II, Kimberly-Clark Corporation

12:10 **Cassava-Based Biodegradable Plastics & Future outlook**

12:40 **Improving the Potential of Cassava as a Feed Ingredient by Way of Biotechnology**

- Cassava and cassava by-products for poultry feeding and its potential for Australia
Assoc Prof Paul A. Iji School of Environmental & Rural Science University of New England, Australia

13:10 Discussion followed by Lunch

Improving Cassava Varieties & Enhancing Its Competitiveness

14:00 **Developing Improved Cassava Varieties through Conventional Breeding & Genetic Engineering**

Dr Herve Vanderschuren, Cassava Research Group Leader, Plant Biotechnology Lab, ETH Zurich

14:30 **New Cassava Variety & Potential Commercial Applications**

- Critical elements and time required to release a new cassava variety
- Potential for new traits CIAT is working on to make cassava production and processing more competitive
- Developments in Colombia & Brazil
Hernan Ceballos, Program Leader - Cassava CIAT

15:10 Discussion followed by Tea

Country Focus

15:40 **Thailand Tapioca Technology, Supply & Demand Outlook After the Floods**

Anuwat Ruthaiyanont, CEO Thai Tapioca Starch Association

16:10 **Update on Double A – Cassava to Ethanol Project**

- Project status and completion date
- Rebuilding after the floods and forecast for next year

Warakit Tanburintip, Sales & Logistics Manager Double A Ethanol Co., Ltd

16:50 Discussion and End of Day 1

DAY 3 – 24 Feb 2012, Friday

09:00 Chairman's Introduction

09:10 **Indonesia Cassava Traits Improvement to Meet Industry Preference in Indonesia**

Prof. Dr. Enny Sudarmonowati Research Centre for Biotechnology LIPI Bogor

09:40 **Vietnam Cassava Plantation & Investments Outlook**

10:10 Discussion followed by Coffee

10:40 **China Market Developments & Improvements in New Cassava Varieties**

Prof Yinong Tian Guangxi Cassava Research Institute

11:10 **Establishment of Sustainable & Profitable Cassava Plantation - an Asian Experience**

Dr. James George, Project Coordinator - All India Coordinated Research Project on Tuber Crops Indian Council of Agricultural Research

Cassava Waste Water Treatment & Biogas Capture

11:40 **Treatment of Cassava Waste Using Anaerobic Technology**

Chavalit Chareonyingvatana, Deputy Managing Director PAPOP Co., Ltd

12:10 **How to Qualify & Benefit from Carbon Market Mechanisms Such as the CDM?**

Patrick Bürgi, CTO / Regional Director Thailand South Pole Carbon Asset Management Ltd

12:40 Final Discussion followed by End of Conference

13:00 Closing Lunch