



Asia-Pacific Network for Testing of Agricultural Machinery (ANTAM)

PAPUA NEW GUINEA

Presentation

AGRICULTURE MECHANIZATION Issues & challenges

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LAE





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1. Brief Introduction to Papua New Guinea (PNG)
2. Agriculture in the Economy
3. Food Security Average Consumption (PNG) – Staples
4. Agriculture Machinery/Equipment – Importation
5. Country Entry - Agriculture Machinery
6. Issues and Challenges
7. Way Forward





Papua New Guinea

Geographic Coordinates, 6°S and 147°E





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1. Brief Introduction Papua New Guinea (png)

“POPULATION **7.6 million (growth rate 2.7%), 85% Population is rural**

“ AGRICULTURAL NATION AND HUGE POTENTIAL

LAND AREA **459,854 sq km, ONLY 27% Inhabited**

“**47% Land hilly to variable Mountain Ranges,**

“**41 % Plains/Plateau land,**

“**30% suitable Agriculture Development**

“CLIMATE: **Dry season from May to October, the wet periods extend from November to April.**

RAINFALL : Range from 1,000 mm to 8,000 mm.





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2. Agriculture in Economy (PNG)

COFFEE, COCOA, COPRA & COPRA OIL, OIL PALM, RUBBER, FRESH
VEGETABLE, BEETEL NUT SPICES/MINOR CROPS

**90% VALUE OF (AGRICULTURE) EXPORT COMES FROM COFFEE, COCOA,
COPRA & COPRA OIL, OIL PALM**

Major Economic Sectors

Agriculture (26% GDP), Forestry, fishery, manufacturing (9%), mineral
(75% GDP) and petroleum (11% GDP), retail and wholesale, building and
construction, transport and telecommunication, finance and business
trade. Others incl. Social Services (12% GDP)





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3. Food Security - Average Consumption (PNG) – Staples (Kg/person/year)

<u>Staples</u>	<u>Rural Areas</u>		<u>Urban</u>
	<u>Highlands</u>	<u>Lowlands</u>	
Sweet Potato	440	100	35
Banana	60	95	45
Other Root Crops	60	95	45
Sago	0	40	30
Rice	20	30	70
Wheat Product	10	15	50

Source: Gibson (2001b)





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4. Agriculture Machinery/Equipment – **Importation**

No Agricultural Machinery Production Plant in PNG

1. **LARGE PLANTATION HOLDING/ESTATES** [OIL PALM, SUGAR CANE, COCONUT, TEA, ONE COMMERCIAL RICE FARM]

LARGE MACHINERY/EQUIPMENT [TRACTORS]

2. **SMALLHOLDER PRODUCERS** [RICE]

SMALL MACHINERY [RICE MICRO MILLS]





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5. COUNTRY ENTRY - AGRICULTURE MACHINERY

1. Direct Machinery/Equipment Orders for sale from Traditional Vehicle Dealers
2. Orders based on Cliental Request/preferences
3. User Direct Import – Plantations, Commercial Estates
4. Logging/Oil Palm Companies

Government in 2004 provided reduction in Customs Duty to 10%

NOTE: TRADITIONAL VEHICLES IMPORTERS BUY - TRACTORS/EQUIPMENT FROM COMMON SOURCES FROM USA/JAPAN VIA AUSTRALIA

New Importers with new and unknown brands of Agricultural Machinery/Equipment





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“6. Issues and Challenges

“Different Dealers (Importers), New Importers with new Sources of Machinery Brands/Model – Question of Standards

“Lack Data/Information/Statistics on Agricultural Machinery in country

“Lack of Coordination

“Geography/Terrain

“Poor Road Infrastructure

“Small Agricultural Machinery- Micro Rice Mills-too many brands

“No Back up parts and availability [big problem]

“Dealers having difficulties in communicating with suppliers





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7. THE WAY FORWARD

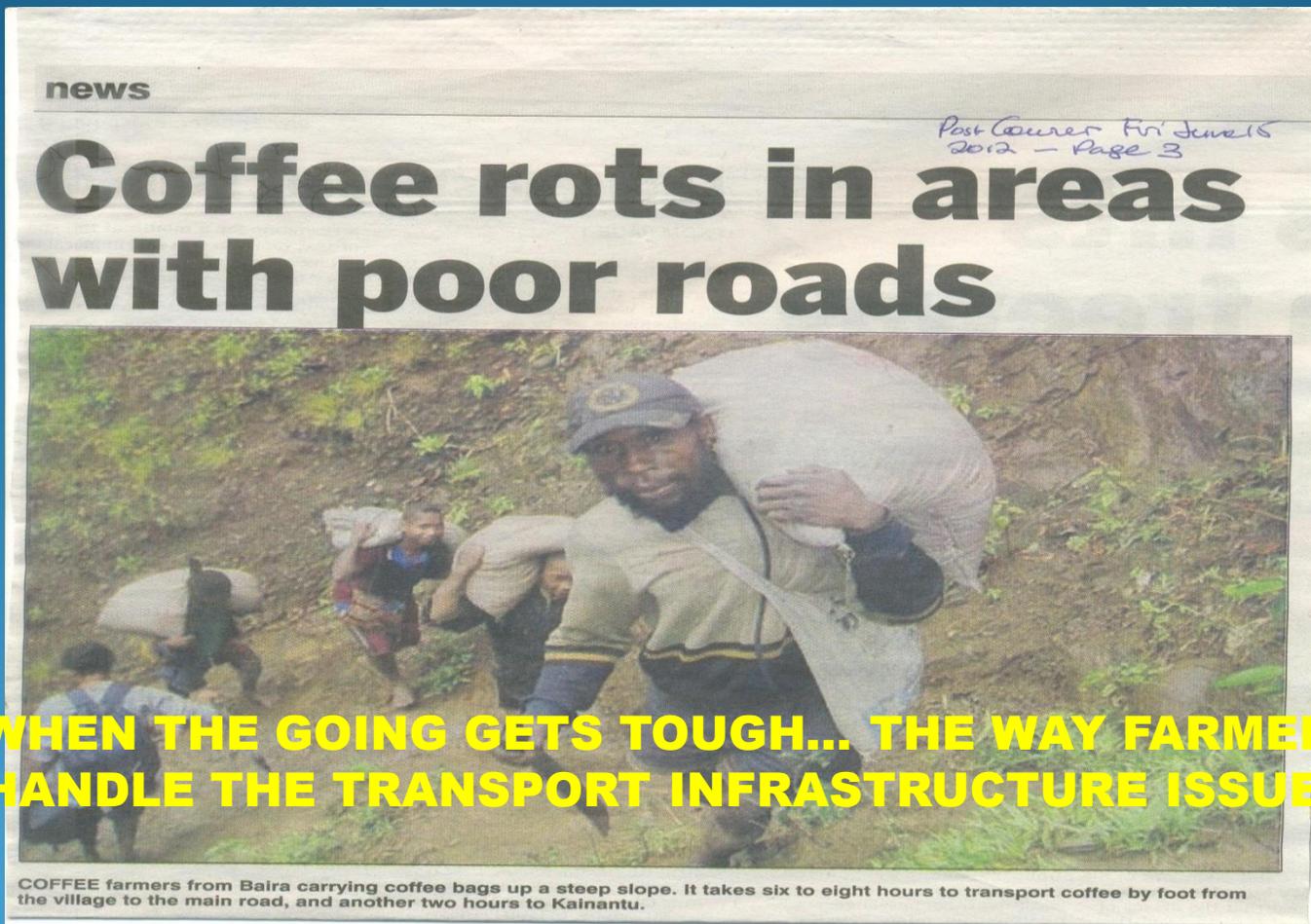
Dealer and Manufacturer relationship (especially with new manufacturers) must address issue of dialogue and commitment to ensure parts are accessible/available – ANTAM partners in country of Manufacturing ensure to maintain data base of genuine suppliers.

Policing of Standards/Codes





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Source: Post Couriers, 2012





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Global



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END

THNK YOU