

Action Plan for Pesticide Residues

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Background

- Japan informed us the presence of pesticide residues in coffee beans from Latin American producers
- New Japanese regulations on pesticide residues are implemented (May-06)
- Guatemala develops the Action Plan for Pesticide Residues



Action Plan

Monitoring and Analysis

Coffee samples in: farms, warehouses and ports

Training

- Good Agricultural Practices GAP, directed to producers and managers of coffee mills
- Good Management Practices GMP directed to exporters

Technical visit to Japan

- Meeting with Japanese authorities
- Understand the import and monitoring procedure
- Visit the quarantine area at the port

Implementation Action Plan of Monitoring

- 100 % Monitoring of pesticide residues in exports to Japan, during the 3rd quarter 2006 (July / Sep)



Monitoring Sites

Production Areas, Mills and Warehouses

Warehouse Exporter

Port



Sampling in Warehouses



Parchment Coffee



Green Coffee



Pesticides analyzed

ORGANOFOSFORADOS

Acefate
Carbophenothion
Chlorpyrifos
Diazinon
Dichlorvos
Dimethoato
EPN
Ethion
Fenthion
Malation
Methamidophos
Pirimiphos-methyl
Parathion-methyl
Profenofos
Terbufos

ORGANOCORADOS

γBHC (Lindane)
Aldrin
BHC (A-HCH)
Captafol
Captan
Chlorothalonil
Chlordano
Dichloran
Diieldrin
Endosulfan 1 (Thiodan-1)
Endosulfan 2 (Thiodan-2)
Endosulfan sulfate
Endrin
Heptachlor epoxide
Hexachlorobenzene
Methoxychlor
pp-DDD
pp-DDE
pp-DDT
β-BHC (β-HCH)
δ-BHC (δ-HCH)

PIRETROIDES

Deltamethrin
Cypermethrin
Cyfluthrin
Permethrin
Cyalothrín



Analysis in Inlasa Laboratory, Guatemala

INFORME DE RESULTADOS

EMPRESA ASOCIACION NACIONAL DE CAFE
 No. Informe: 42-2006
 Dirección de la empresa: De julio 2002 hasta la fecha
 Presentación de muestras: Asociación Nacional de Café
 Fecha de entrega: 10/07/06
 Fecha de análisis: 10/07/06

Análisis realizado: Análisis de residuos de Pesticidas Organofosforados, Organotinílicos y Pirimidínicos
Metodología utilizada: U.S. FDA, Protocolo Analítico Manual, Vol. 1, 3rd Edition, 1998

No.	Identificación de la muestra	Organofosforados	Organotinílicos	Pirimidínicos
001	CAFE A-101	NO	NO	NO

NOTA: NO + NO DETECTABLE
 TR + TRAZAS NO CUANTIFICABLES BAJO EL LIMITE DE DETECCION

RESIDUES WERE NOT DETECTED above the sensibility of the method of analysis.

Analysis in Hill Laboratory, New Zealand

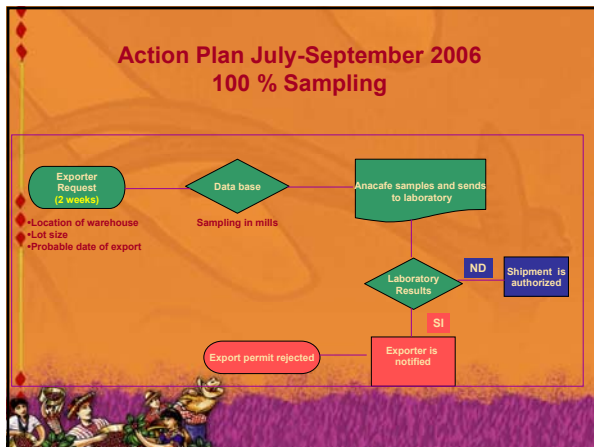
Hill Laboratories

Summary of Methods Used and Detection Limits

RESIDUES WERE NOT DETECTED above the sensibility of the method of analysis.

Training and Seminars

Technical visit to Japan



COFFEE SAMPLING IN CONTAINERS AT PORT

- Opening of the container.
- Marks, lot number, container number, shipping line, are verified
- A representative sample of 1 kilo of coffee is obtained
- The container is closed and the shipping company places the new customhouse marker

COFFEE SAMPLING IN WAREHOUSE AT PORT



- Marks, lot number and amount of bags is verified
- A representative sample of 1 kilo of coffee is obtained

TESTING RESULTS OF AGROCHEMICAL RESIDUES IN COFFEE (Guatemala)

Location	Samples No.	Laboratory	# Agrochemicals Analyzed Per Sample	RESULTS
Farm Warehouse	20	Inlasa (Guatemala)	41	N. D.*
	11	Inlasa	41	N. D.*
Exporters Warehouse	30 (task force)	Hill Laboratories New Zealand	232	N. D.*
	288 (Pilot Plan)	Inlasa	41	N. D.*
Container (at Port)	20	Inlasa	41	N. D.*

- N. D. = Non Determined = absent or inferior to detection laboratory limit
- 288 total sampling performed at July/September 2006.

Conclusions of Action Plan

- Pesticide residues were not detected in the 288 lots (destination Japan), sampled from July to September 2006
- These results and the previous study results, guide us to monitoring the raw material (parchment coffee and green coffee) in the exporter's warehouses.
- Continuous training programs to producers, intermediaries and exporters.

Monitoring Plan for 2006/07

Warehouses of Exporters



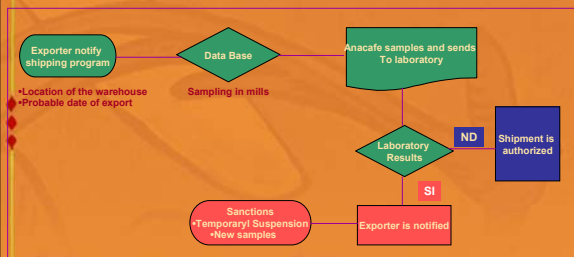
- ✓ Monitoring of the raw material on 100% of the exporter's warehouse, coffee to any destination

Port



- ✓ Random checks of coffee containers

Monitoring Plan for 2006-2007



The quality and innocuousness of Guatemalan Coffee, are a permanent commitment.

