

March 6, 2013

Food Safety Programs that Exist in Mango Producing Countries





Mango Food Safety Information

Brazil

- Producers
 - Number of producers or farms: ~3.000
 - Number of hectares: ~76,000 (Exp: 6,300 USA: 1,200)
 - Number of farms for exportation to USA: ~18 (VSF)
 - Types of certifications:
 - USA: USAGap, Global Gap with HWT
 - Europa: GlobalGap (All Europe), Fair Trade (Germany) Tesco and Markspenser (Inglaterra)
 - Local: PIF (Integrated Fruit Production)
 - Monitoring of Fruit Fly– Biofabrica Moscamel Brasil (BMB)

Mango Food Safety Information

Brazil

- Packinghouses
 - Number of packinghouses: 38
 - Number of packinghouses certified for USA: 10
 - Type of certifications
 - HACCP (APPCC)
 - Traceability system:
 - IN-20 (Normative Instruction number 20 issued by Government (MAPA))
Each packinghouse has their own traceability system
- Certification Companies
 - IBAMETRO (Government entity)
 - SANTEC
 - WQS
 - TUV
 - SGS (with IBAMETRO license)



Mango Food Safety Information

Brazil

- Food Safety Programs
 - Government: Integrated Food Production (PIF)
- Associations:
 - VALEXPORT
 - Extension seminars in conjunction with NMB
 - Topics: Global GAP, GMP, Postharvest practices
- Companies: Each packinghouse and farm is responsible for the execution of its own food safety program



Mango Food Safety Information

Ecuador

- Producers
 - Number of producers or farms: 81
 - Number de hectáreas: 9,000 (5,311.00 Exportation)
 - Number of farms for exportation to USA: 81 (41 producers)
 - Type of certification:
 - GlobalGap (40% of exportation area)



Mango Food Safety Information

Ecuador

- Packinghouses
 - Number of packinghouses: 4
 - Number of packinghouses certified for USA: 3
 - Type of certifications:
 - PrimusGFS
 - GlobalGap
 - Traceability System: Each packinghouse has its own traceability system
- Certification Companies
 - PrimusLab
 - Control Union
 - BSC Oko



Mango Food Safety Information

Ecuador

- Food Safety Programs
 - Government: No
- Association:
 - Fundacion Mango del Ecuador
 - Extension seminars in conjunction with NMB
 - Topics: Cultural practices, postharvest practices, GAP and GMP
- Company: Each packinghouse and farm is responsible for the execution of its own food safety program





Mango Food Safety Information

Mexico

- Producers
 - Number of farms or producers: ~ 44,198 Producers
 - Number of hectares: ~173,060
 - Number of farms or producers for exportation to USA: ~16,800
 - With Hot Water Treatment: 86,754 Ha
 - Without Hot Water Treatment: 4,500 Ha
 - With Irradiation Treatment: 538 Ha
- Types of certifications:
 - BUMA (Good use and agrochemical management)
 - SENASICA - SRRC
 - GlobalGap

Mango Food Safety Information

Mexico

- Packinghouses
 - Number of packinghouses: ~ 72 (62 HWT)
 - Number of packinghouses certified to USA: ~ 62 HWT + 7 NHWT
 - Types of certifications:
 - SENASICA - SRRC: 46 HWT + 5 NHWT
 - México Calidad Suprema: 46
 - GlobalGap: 8
 - PrimusLab: 10
 - Traceability system:
 - EMEX - USDA (62)
 - Each packinghouse has its own traceability system
- Certification companies
 - Normex (SENASICA – SRRC, México Calidad Suprema)
 - PrimusLab, SGS, CVQ, SQF(AVQ), BUMA, Others



Mango Food Safety Information

Mexico

- Food Safety Programs
 - Government: SENASICA - (SRRC)
- Associations:
 - EMEX
 - 2002 – Packers registration
 - Mexico Calidad Suprema & SRRC
 - Courses: HACCP, BPA, BPM, BUMA, SRRC, Sist. GlobalGap
 - CONASPROMANGO
 - BUMA (1,200 producers)
 - CESAVESIM
 - CESAVESING - SENASICA- Producer Organization
 - Extension meeting in conjunction with NMB, CONASPROMANGO and EMEX
- Company: Each packinghouse and farm is responsible for the execution of its own food safety program

Mango Food Safety Information

Peru

- Producers
 - Number of farms and producers: ~14,500
 - Number of hectares: ~21,000
 - Number of farms for exportation to USA: NA
 - Types of certification:
 - Code imposed by *Servicio Nacional de Sanidad Agraria de Perú* (~2.200 producers- Fruit fly SENASA)
 - GlobalGap (Big producers)



Mango Food Safety Information

Peru

- Packinghouses
 - Number of packinghouses: 36
 - Number of packinghouses certified to USA: 6
 - Types of certification:
 - HACCP
 - Traceability system:
 - Each packinghouse has its own traceability system
- Certification companies
 - SGS
 - Control Unión
 - NSF
 - Bureau Veritas





Mango Food Safety Information

Peru

- Food Safety Programs
 - Government: SENASA
 - Ley de Inocuidad de Alimentos (DL 1062) y el Reglamento a la misma (DS 034-2008-AG)
 - Reglamento de inocuidad agroalimentaria específico para el SENASA (DS 004-2011-AG)
- Associations:
 - APEM - PROMANGO
 - Program on interpretation and implementation of HACCP norms for packinghouses
 - Extension seminars in conjunction with NMB
 - Topics: Cultural practices, postharvest practices, DAP and GMP
- Company: Each packinghouse and farm is responsible for the execution of its own food safety program

Mango Food Safety Information

Guatemala

- Producers
 - Number of farms or producers: 155
 - Number of hectares: ~5,500 (4,500ha to USA)
 - Number of farms certified for USA: 150
 - Type of certification:
 - GlobalGap



Mango Food Safety Information

Guatemala

- Packinghouses
 - Number of packinghouses: 5
 - Number of packinghouses certified for USA: 5
 - Type of certifications: GlobalGap & HACCP
 - Traceability system: Each packinghouse has its own traceability system
- Certification companies
 - PrimusLab
 - Ecológica
 - LSQ
 - Mayacert





Mango Food Safety Information

Guatemala

- Food Safety Program
 - Government: Environmental and Agricultural Protection Program (PIPAA)
- Associations:
 - AGEXPORT - Mango Committee (*Comité de Mango*) - PIPAA
 - A food safety system is currently under implementation to try to uniform the traceability systems and packinghouses and farm certifications
 - Extension seminars in conjunction with NMB
 - Topics: Cultural practices, postharvest practices, BPA, BPM
- Company: Each packinghouse and farm is responsible for the execution of its own food safety program

