Indian irradiated fruit exports

Kaushal Khakhar – Kay Bee Exports
Topics covered

• Kay Bee Exports
  - HWT vs VHT vs Irradiation

• Indian fruits and market access

• Country-wise experiences
Kay Bee Exports

• India’s largest air-freight exporter of fresh produce.

• Largest market share for irradiated produce

• Most integrated
  – Farming
  – Contract farming with plant protection managed by us
  – Self-manufacturing of organic pesticides
  – Fleet of 70+ vehicles
  – IATA accredited freight forwarding
  – Customs clearance
  – Distribution in Europe
• Finger chillies
• Working on annual supply of finger chillies on leased farm for consistent quality, quantity and food safety
• Top quality on trials taken, very responsive to micro-nutrients and fertiliser treatments
• Awaiting a continuous program for annual supply

State-of-the-art baby corn packhouse, best in the industry, BRC A certified
APHIS Prohibits the Importation of Pomegranate Arils from Peru into the United States due to Mediterranean Fruit Fly (Ceratitis capitata)

USDA Animal and Plant Health Inspection Service sent this bulletin at 06/11/2018 02:25 PM EDT

FOR INFORMATION AND ACTION
DA-2018-19
June 11, 2018

Subject: APHIS Prohibits the Importation of Pomegranate Arils from Peru into the United States due to Mediterranean Fruit Fly (Ceratitis capitata)

To: State and Territory Agricultural Regulatory Officials

Effective immediately, the Animal and Plant Health Inspection Service (APHIS) prohibits the importation of pomegranate arils from Peru into the United States. APHIS is taking this action in response to two detections of Mediterranean fruit fly (Medfly) larvae in commercial shipments of pomegranate arils from Peru.
BRC A fruit packhouse with automated handling facility for mangoes and pomegranates
First hot water treatment plant installation in India for mangoes
HWT vs VHT vs Irradiation

- HWT – different treatment temperatures for sizes of mangoes but not for variety; insufficient research

- VHT – driven by maintaining pulp temperature for certain duration rather than fixed duration treatment

- Irradiation – cold treatment
Indian fruits

- India is 2nd largest producer of fruits
- Largest for mangoes: 44.1%
125 acre Pomegranate farm – Global GAP and TN10 (Silver) certified
Indian fruits

• India is 2\textsuperscript{nd} largest producer of fruits

• Largest for mangoes: 44.1%

• Market access received
  – USA mangoes in 2006
  – USA pomegranates in 2016
  – Australia mangoes in 2017

• USA is a pre-clearance program with USDA inspectors at the irradiation facilities. Australia is on-arrival clearance.
Pre-clearance program

- **Pros**
  - Peace of mind of assured clearance

- **Cons**
  - Higher costs
  - Reduced flexibility of shipping outside of inspector stationing periods

- **Mid-way?**
  - Local USDA resource?
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**INDIAN MANGOES**

Cashiers will open box on counter during checkout.

**ALL SALES ARE FINAL**

**NO REFUNDS OR EXCHANGES**

**MANILA MANGO**

$6 per box
Challenges

- FDA hold for several days (17 days!)
- Need for original documents
  - Proposed solution: Upload by USDA in IRADS?
TURKISH CARGO

ORIGINAL Docs & Certificate

AWB no 125-22636154

ORD - (Pep)

BA 138 8 June

BA 138 ACE-347189
Challenges

- FDA hold for several days (17 days!)
- Need for original documents
  - Proposed solution: Upload by USDA in IRADS?
- Labelling requirement on pomegranates
Australia

“

We are unable to engage with you on mango's from India due to the current irradiation process the product goes through. Our current position is that we do not take in any products that have been irradiated. Thank you for your interest, however we will not be proceeding with any further inquiries at this point in time.

“
Australia

- Brisbane vs other import airports
- Import permits were required for Indian mangoes till 30\textsuperscript{th} June 2017
Other markets

- **New Zealand**
  - Currently allows only VHT for Indian mangoes
  - But, allows irradiation for Australian mangoes
  - Mites found on few shipments 2 years ago

- **Europe**
  - Accepts both HWT and VHT but no irradiation
Consumer awareness

- Acceptance / Ignorance?

- Independent website with safety information and backed by academia / research institutions
Thank you!