



OPERATIONAL PROCESSES FOR COLD TREATMENT OF FRUIT FLY HOST COMMODITIES

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Director Horticulture Exports

Plant Export Operations

Australia



Australian Government
Department of Agriculture

Operational processes for cold treatment of fruit fly host commodities



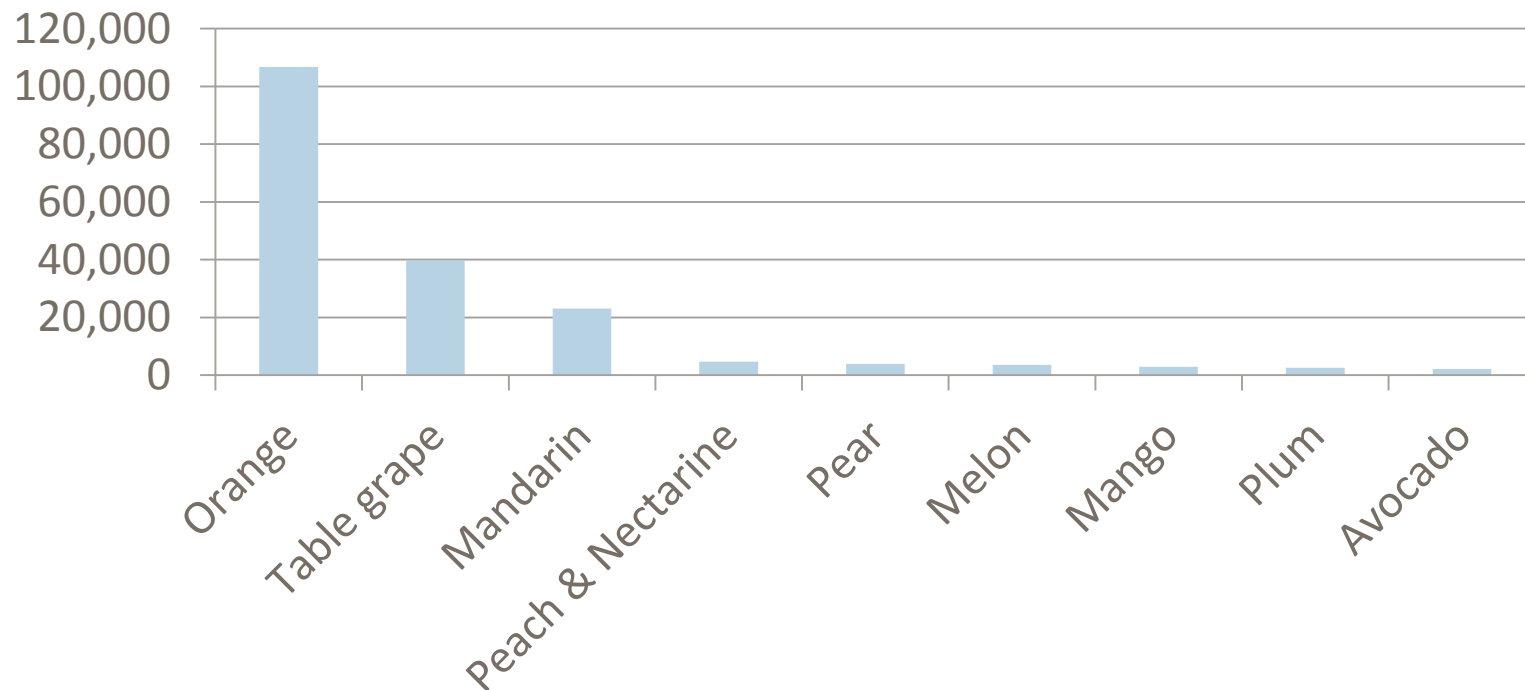
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Introduction

Australian horticultural exports

Australia Export Tonnage 2012



Australian fruit flies



- Fruit fly
 - Species
 - Distribution
- Cold Treatment
 - High level of assurance
 - Critical to trade from Australia

Contemporary challenges for regulators

Challenges

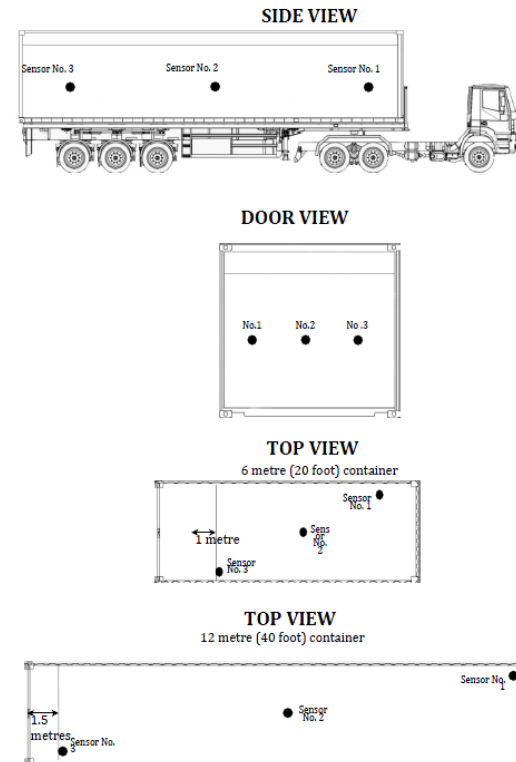
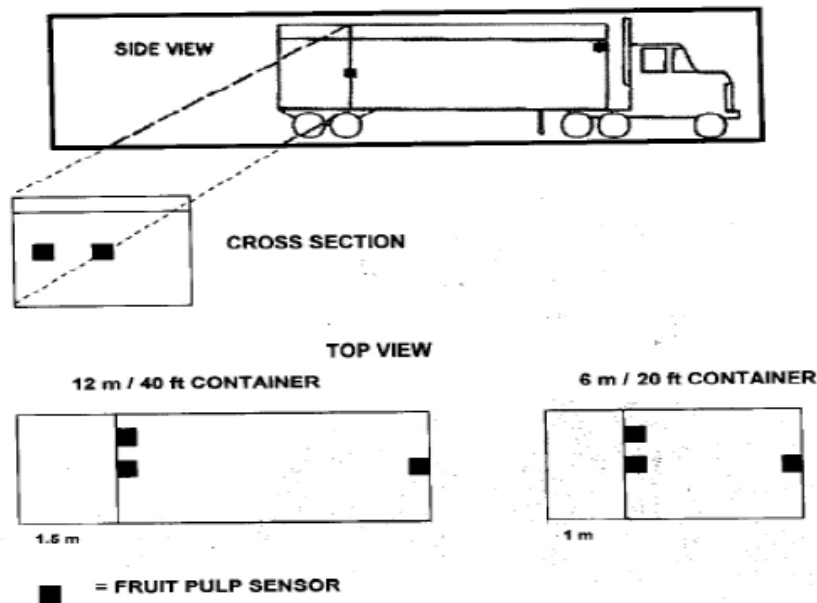
- Inconsistent treatment schedules
- Probe placement inconsistency
- Decision criteria for pass / fail
- Reporting requirements
- Technology
- Preparation

Inconsistent treatment schedules

Protocol schedules from Australia (Queensland fruit fly)

Commodity	Country A	Country B	Country C	Country D
Grapes	0°C or below 13 days 0.56°C or below 14 days 1.11°C or below 18 days 1.67°C or below 20 days 2.22°C or below 22 days	1°C or below 16 days 2.1°C or below 21 days		
Oranges	2.0°C or below 18 days 3.0°C or below 20 days	1°C or below 16 days 2.1°C or below 21 days	1.0°C or below 16 days 2.1°C or below 18 days 3.1°C or below 20 days	1.0 °C+/-minus 0.5°C for 16 days 2.0°C, +/-minus 0.5°C for 18 days 3 .0°C, +/-minus 0.5°C for 20 days
Cherry	0°C or below 13 days 0.56°C or below 14 days 1.11°C or below 18 days 1.67°C or below 20 days 2.22°C or below 22 days	1°C or below 16 days 2.1°C or below 21 days		

Probe placement inconsistency



Decision criteria for pass / fail



- Treatment decision based on:
 - Correct probes
 - Placement of probes provides assurance
 - Temperature schedule to verify treatment efficacy
 - Security maintained
 - Complicated by non-risk factors

Reporting requirements



- Accessing the data
 - Who and when?
 - resourcing
- Data security and ownership
 - Maintaining integrity
 - Exclusive ownership
- Provision of the data in usable format
 - Acceptance of new formats by importing countries
- Calibration Records

Technology



- Containers and coldstores
- Probes
 - Accuracy vs Calibration
 - Probe failure
 - New technology
 - Integral probes vs non integral
 - Minimum number of probes
- Recording systems

Preparation



Pre cooling of consignments

- Important for ensuring effective treatment
- Standardised process for determining effective pre-cooling

Questions