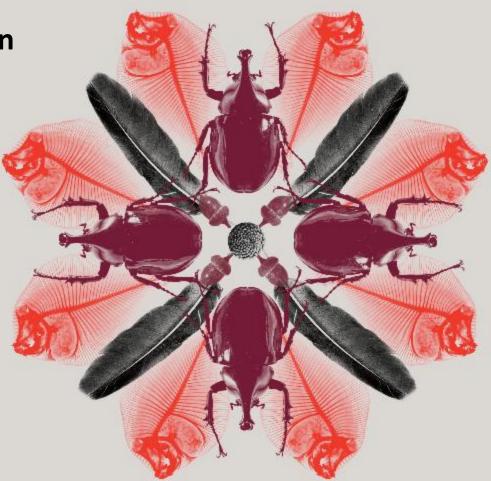


**Phytosanitary Irradiation** 

NPPO oversight of the export pathway.



James Allan Chapman Phytosanitary Irradiation Forum Bangkok, Thailand.

15 June 2018



NPPO oversight of the export pathway for irradiated Australian Mangoes.

During the 2017/18 season Australia produced approximately 60,000 tonnes of mangoes of which approximately 10,000 tonnes were exported.

- Current access for irradiated mangoes to 4 countries
- Trade commenced during the 2004/05 season
- Approximately 1300 tonnes of irradiated mangoes were exported during the 2017/18 season.
- Primary market for irradiated Australian mangoes is currently New Zealand.

## The systems approach

The Department oversights the export pathway to ensure that all product meets importing country requirements.

This is achieved through a systems approach utilising a combination of audits, documentation assessment and phytosanitary inspection.



### Audit and registration.

The department's Audit Services Group takes carriage for the audit and approval of entities wishing to participate in the export of irradiated horticultural products.

Where pests may be present that cant be managed by irradiation other control methods on the export pathway are used to mitigate the risk. These methods and their efficacy are verified by audits at critical control points, which may include growers, crop monitors and packhouses, to ensure that importing country requirements are met.

#### For example; Bacterial Black Spot

- Trained and approved crop monitors
- Registered and approved orchards
- Registered and approved packhouses
- Spray diaries
- Labelling and traceability of product





Department of Agriculture and Water Resources

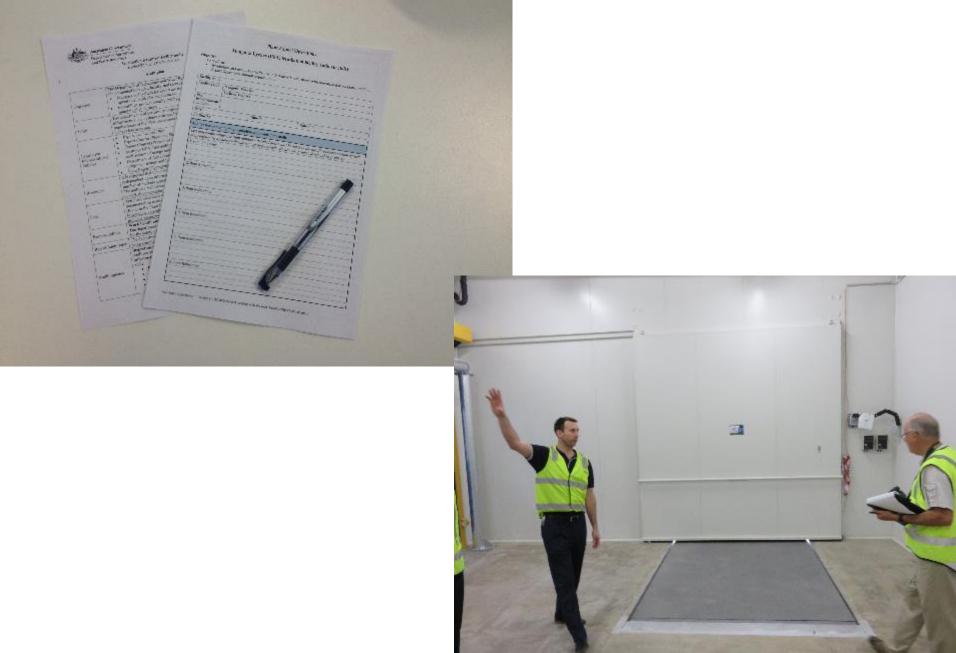
#### Audit and registration of irradiation facilities.

The department's audit of irradiation facilities involves verification of the following aspects of irradiation treatment:

- Standard Operating Procedures
- Flow path of export commodity through facility
- Secure site for phytosanitary export inspection
- Verification of dosimetry, dose mapping, calibration of the dosimetry system and applied dose.

- Use of approved process configuration
- Capability to undertake irradiation procedures as specified.
- Phytosanitary security of treated product.
- Hygiene and sanitation

Audits are undertaken annually against departmental and importing country requirements. Additional audits may be undertaken following significant changes to process (re-sourcing) or facility management.



#### Pre-treatment and pre-inspection documentation

The department's Inspection Services Group takes carriage for the phytosanitary inspection whilst the Assessment Services Group undertakes assessment of documentation associated with the export of horticultural products.

- Exporter submits required documentation
- Booking made for export inspection
- Documentation assessed against importing country requirements
- Inspection will only proceed if all documentation is correct.

#### Phytosanitary export inspection

Phytosanitary inspections are undertaken by Authorised Officers in Export Registered establishments. Inspection may be undertaken either pre- or post-treatment depending on importing country requirements.

- Inspection undertaken in clean, well lit, pest proof room.
- Standard 600 unit or 2% inspection rate unless alternative sampling rate is required by the importing country
- Confirm packaging and labelling
- Confirm traceability
- Verify that product security is sufficient
- Verify that the process configuration is approved prior to treatment.
- Inspection results recorded on Export Compliance Record









Department of Agriculture and Water Resources

Phytosanitary Irradiation James Allan







Department of Agriculture and Water Resources

#### Export Control Act Requirement

#### Importing Country Requirement





# Export Compliance Record Part 5 of Export Control (Plants and Plant Products) Order 2011

Fresh Fruits, Fresh Vegetables, Nursery Stock, Bulbs, Tubers, **Cut Flowers and Foliage** 

PE101 - 09/14 (version 2.0)

Authorised Officer (A0) Name		AO Number Establishment Name					Estab. No. Exporter Name				RFP Number
James Allan		12345 Joe's Exports					11223		Expo	ort Name	7024699
· · · · · ·		on Start Time	Inspection End Tim	e S	Sampling Rate			et Origin		Product Desi	
8-Ja								a, QLD		New Zea	land
Import Permit No	Import Permit Date		er Number	Quanti			1	Inspection completed			Inspected By
N/A	N/A	Unk	nown	13,000	Kg X Yes	No		Joe S	imith	Consignr	nent Line X Grower Line
Line Identification	1		Commodity		No Of Units	Progressive	e Count	Passed (Yes/No)		Remarks	
R2E2 Mango		Mango			40	40		Υ			
					30	70		Υ			
					40	110		Y			
					30	140		Y			
					35	175		Y			
					35	210		Υ			
					35	245		Y			
					45	290		Y			
					45	335		Υ	Dead so	ale	
					45	380	_	Y			
					40	420		Y			
					40	460		Y			
					35	495	_	Y			
					40	535		Y			
					35	570		Y			
					40	610	0	Y			
Additional Declarati	ons					Commen	nts				Total Passed
I/A		N/A									Total Falled Nil
der section 17 of the Export Control (Plants and is means that they have been passed as export is Export Control (Plants and Plant Tybecubet) Ord by the resubmitted for inspection if the exporter submitted the packet or exporter must comply	d Plant Products) Order 2011 compliant. The goods passed for 2011, where an authorise or packer advises the authorise	remain export com d officer marks a co led officer in writing	d officer marks a consigne pliant for a period of 28 da resignment of prescribed go that the goods are being r	eys from the do pods as failed resubmitted. W	ate of issue. Under section on this record, the goods in there prescribed goods are	20 of nay			ames Alla		8-Jan-16

#### **Verification of treatment efficacy**

Post treatment an Authorised Officer will verify the efficacy of the irradiation treatment prior to issuing a phytosanitary certificate.

- Treatment facility provides a treatment certificate which includes:
  - Treatment date
  - Minimum and maximum absorbed dose
  - Commodity details
  - Minimum dose as per importing country requirements
  - Lot number
- Treatment certificate reviewed by Authorised Officer
- All documentation submitted to the Assessment Services Group for final assessment and verification
- If all importing country requirements have been met and the consignment has been treated appropriately a phytosanitary certificate will be issued.



Thank you.