

Department of Agriculture, Fisheries and Forestry

Australian Quarantine and Inspection Service

**Question: AQIS 09**

**Topic: Citrus Canker Eradication**

**Hansard Page: 39-40**

Senator Heffernan asked:

Who would have done those tests? So it would be possible to get the details.

Answer:

The complete range of tests conducted on all samples collected from the PCP property are listed in the attached tables.

EVERGREEN SAMPLES AND TESTS

GRAPES

Sample #	Type of sample	Sampled by	Date sampled	Block numbers sampled	Date submitted for testing	Test location	Test start	Test finish	Type of Test	Test result	Tested by
1	Taken from potential illegal imports (2 live plants & 1 dead)	Mr Watson, Mr Young, Dr Brake, Mr Crowe, Mr Harper, Mr Richardson, Mr Smith. (See key below)	26-Jul-01	179	2/08/2001 (extracts taken from samples at Eastern Creek)	Knoxfield DNRE (Via Eastern Creek)	09-Aug-01	10-Aug-01	Molecular (PCR) & Nutrient broth (7-10 days)	Both negative	Dr Luck
2	Taken from established farm stock	Dr Brake	05-Dec-01	179 G7, 178, G8	07-Dec-01	Knoxfield	20-Dec-01	21-Dec-01	Molecular (PCR) & Nutrient broth (7-10 days)	Both negative	Dr Luck
				179 G7, 178, G8	07-Dec-01	Waite SA	21-Dec-01	12-Jan-02	Molecular	Positive	Dr Habili (see key below)
3	Taken from established farm stock	Dr Brake, Dr Luck (see key below)	01-May-02	178, 179	01-May-02	Knoxfield	06-May-02	10-May-02	DNA testing for Plerces disease	Negative	Dr Luck
				178, 179	01-May-02	Knoxfield	10-May-02	20-May-02	Bacterial cultures	Negative	Dr Luck

**KEY**

- Mr Steve Watson, AQIS Senior Compliance Officer
- Mr Tony Young, AQIS Senior Compliance Officer
- Dr Vanessa Brake, AQIS Quarantine Plant Pathologist
- Mr Bill Crowe, AQIS Quarantine Entomologist
- Mr Bill Harper, AQIS Quarantine Officer
- Mr Shane Richardson, AQIS Quarantine Officer
- Mr Dan Smith, Queensland Department of Primary Industries Officer
- Dr Jo Luck, Molecular Plant Pathologist, Department of Natural Resource and Energy Victoria
- Dr Nuredin Habili, Waite Diagnostics, Department of Plant Science, Adelaide University

EVERGREEN SAMPLES AND TESTS

CITRUS

Sample #	Type of sample	Sampled by	Date sampled	Blocks numbers sampled	Date submitted for testing	Test location	Test start	Test finish	Type of Test	Test result	Tested by
1	53 samples taken from suspected illegal imports (inclusive of 12 whole plants).	Mr Watson, Mr Young, Dr Brake, Mr Crowe, Mr Harper, Mr Richardson, Mr Smith. (See key below)	26-Jul-01	182	02-Aug-01	Eastern Creek	02-Aug-01	02-Aug-01	Varietal (visual)	Inconclusive	Mrs Barkley, Dr Knox, Mr Davis (see key)
					02-Aug-01	Eastern Creek	02-Aug-01	Yes	Biological (visual)	Inconclusive	Mrs Barkley, Dr Knox, Mr Davis
					02-Aug-01	Eastern Creek	03-Aug-01	3-Aug-01	Sample extractions	n/a	Dr Hallstones (see key)
	Suspect leaves from 12 plants				02-Aug-01	Eastern Creek	06-Aug-01	11-Aug-01	Molecular (bio-assay)	Negative	Mr Schofield (see key)
	Suspect leaves from 12 plants				02-Aug-01	Eastern Creek	07-Aug-01	10-Aug-01	PCR/Eliza	Positive for CTV, Others negative	Dr Knox
	12 original plants				03-Aug-01	EMAI Camden	03-Aug-01	22-Feb-02	Serological (PCR)	Positive	Dr Hallstones
	Samples from 12 original plants				10-Aug-01	Eastern Creek then CSIRO Merbein	10-Aug-01	10-Aug-01	Visual	Inconclusive	Dr Sykes (see key)
	11 specimens from original plants				10-Aug-01	CSIRO Merbein	12-Aug-01	12-Aug-01	Varietal (electrophoresis)	Inconclusive	Dr Sykes
	10 remaining potted mother plants				N/A	Eastern Creek	Sept 01	Ongoing	Indexing (woody)	Inconclusive	Mr Davis
	10 remaining potted mother plants				N/A	Eastern Creek	Nov 01	Mid Mar 02	Indexing (woody)	Positive for CTV	Mr Davis

	10 remaining potted mother plants				13-Feb-02	CSIRO Merbein	13-Feb-02	13-Feb-02	13-Feb-02	Visual varietal comparison	Part result	Dr Sykes
2	10 plants (scions) collected from potential illegal imports. Collected from orchard block immediately prior to block being destroyed.	24-Oct-01	182	26-Oct-01	Eastern Creek	CSIRO Merbein	20/02/2002	24/02/2002	Eliza & PCR & Woody indexing	No result. <i>Plants in very poor condition due to cessation of watering by farm owner.</i>	Mr Davis	
3	35 samples taken from established orchard block (not suspect illegal material).	05-Dec-01	171, 172, 173, 151, 152, 142, 150, 129, 130, 110, 122, 144, nursery	07-Dec-01	Eastern Creek - then to EMAI	CSIRO Merbein	07-Dec-01		Serological (PCR)	Negative	Dr Hailstones	
4	48 citrus samples	10-Dec-02	171, 172, 173	13-Dec-02	Eastern Creek	Eastern Creek	17-Dec-02	17-Dec-02	ELISA	Inconclusive	Mr Davis	
1	Remaining original potted plants	26-Jul-01	182	n/a	Eastern Creek	EMAI	22-May-03	3-Oct-03	PCR	Inconclusive	Dr Hailstones	
		26-Jul-01	182	n/a	Eastern Creek	Eastern Creek	1-Feb-03	26-Jun-03	Varietal (visual)	Inconclusive	Mr Davis, Mrs Barkley	
		26-Jul-01	182	n/a	Eastern Creek	Eastern Creek	1-Feb-04	30-Jun-04	Biological (visual)	Negative	Mr Davis	
		26-Jul-01	182	n/a	Eastern Creek	Eastern Creek	18-Mar-05	18-Mar-05	Biological (visual)	Negative	Mr Davis	
		26-Jul-01	182	n/a	Eastern Creek	Eastern Creek	n/a	29-Apr-05	Direct Isolation Plating	Negative	Mr Davis	

	n/a	26-Jul-01	182	n/a	Eastern Creek	n/a	29-Mar-05	ELISA	Negative	Mr Davis
	n/a	26-Jul-01	182	n/a	Eastern Creek	n/a	9-Jun-05	Biological (visual)	Negative	Mr Davis

**KEY**

Mrs Patricia Barkley, National Citrus Improvement Manager (Aus Citrus)  
 Dr Cathy Knox, AQIS Quarantine Plant Pathologist, Eastern Creek Plant Quarantine facility  
 Mr Kevin Davis, AQIS Quarantine Plant Pathologist, Eastern Creek Plant Quarantine facility  
 Dr Deborah Hailstones, Molecular Biologist, Elizabeth Macarthur Agricultural Institute, NSW Agriculture  
 Mr Don Schofield, AQIS Laboratory Technician, Eastern Creek Plant Quarantine facility  
 Dr Steven Sykes, Sub-Program Leader, CSIRO Plant Industry, Merbein Victoria  
 Mr Steve Watson, AQIS Senior Compliance Officer  
 Mr Tony Young, AQIS Senior Compliance Officer  
 Dr Vanessa Brake, AQIS Quarantine Plant Pathologist  
 Mr Bill Crowe, AQIS Quarantine Entomologist  
 Mr Bill Harper, AQIS Quarantine Officer  
 Mr Shane Richardson, AQIS Quarantine Officer  
 Mr Dan Smith, Queensland Department of Primary Industries Officer  
 Mr Stephen Day, AQIS Senior Inspection Officer  
 Mr Stephen Gillow, AQIS Quarantine Officer