



Opotiki Hort16A Observation Report—November 2012

Inspection Date: 15 November 2012	Variety: Hort16A
Reason for inspection: To view Hort16A fruit and canopy following multiple copper applications.	
Location: Opotiki	Elevation: 19 metres above sea level
Orchard Psa-V Status: Psa-V first detected in September 2011.	

Observations. Fruit and canopy were in very good condition. The canopy was flat, with canes well-spaced to support good spray coverage. No fruit marking was observed. Overall leaf condition was good. There were isolated areas where slight leaf vein darkening had occurred. This was mainly concentrated in areas where males had been removed (potentially the marking was resultant of overspray). NOTE: Ten copper applications were made between 10 August and 15 November 2012.

Photos



Canopy overview 15 November 2012



Canopy density 15 November 2012



Fruitlet and canopy condition 15 November 2012



Fruitlet and canopy condition 15 November 2012.

General comment: An open canopy has been maintained to support spray coverage. Strategy has been repeated applications of low rate copper. Copper has not been tank mixed with other products. Copper application only occurs in good drying conditions. No spreaders are being used. Sprayer has been set up for the canopy and calibrated. Water rates have been adjusted to achieve good spray coverage. An on-going copper protectant programme is planned throughout the whole year. Monitoring is carried out weekly, and secondary symptoms (cane dieback and shoot collapse) are removed immediately. A high level of hygiene is maintained. Canopy management is focused on minimising wounding.

2012 – 2013 Psa Protectant Spray Programme to date:

- 10/8/12 – Nordox @ 35g/100L
- 1/9/12 - Nordox @ 30g/100L
- 7/9/12 - Nordox @ 30g/100L
- 14/9/12 - Nordox @ 30g/100L
- 24/9/12 - Nordox @ 30g/100L
- 28/9/12 – Thermomax
- 28/9/12 - MesuroI
- 1/10/12 - Nordox @ 30g/100L
- 1/10/12 – Movento
- 7/10/12 - Nordox @ 30g/100L
- 12/10/12 – Kocide Opti @ 40g/100L

- **16/10/12 – Fruitset**
- 29/10/12 – Arcadian @ 1kg/ha
- 31/10/12 – Kocide Opti @ 40g/100L
- 31/10/12 – Benefit
- 10/11/12 – Benefit
- 10/11/12 – Kocide Opti @ 40g/100L
- **13/11/12 – Trunk girdled**
- 15/11/12 – Arcadian @ 1kg/ha

Background Information

In 2011/2012, six coppers were applied to the crop post fruit set. No significant fruit staining was reported due to copper application. The 2011/2012 Psa protectant spray programme is as follows:

2011 – 2012 Psa Protectant Spray Programme:

- 17/9/11 – Liquicop @ 250mL/100L
- 29/9/11 – Liquicop @ 250mL/100L
- 6/10/11 - Liquicop @ 250mL/100L
- 26/10/11 – Blossom Bless @ 30g/100L
- **30/10/11 – Fruit Set**
- 22/11/11 – Kocide Opti @ 35g/100L
- 1/12/11 - Kocide Opti @ 35g/100L
- 20/12/11 - Kocide Opti @ 35g/100L
- 2/1/12 – Serenade Max @ 300g/100L
- 8/1/12 – Actigard @ 10g/100L
- 3/2/12 - Kocide Opti @ 35g/100L
- 5/2/12 - Kocide Opti @ 35g/100L
- 24/3/12 - Kocide Opti @ 35g/100L

Harvest 18,358 Export TE/ha

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