




Observation Report – Tauranga Hort16A

Inspection Date: 16 November 2012	Variety: Hort16A
Reason for inspection: To view Hort16A fruit and canopy quality following multiple copper applications.	
Location: Lower Kaimais	Elevation: 110 metres above sea level
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 very slight leaf vein darkening had occurred. This was mainly concentrated in areas where plants had been removed (potentially the marking was caused by overspray). Eleven copper applications have been made between 10 August and 16 November 2012.	
Photos	
	
Indication of canopy density on 16 November 2012	



Fruitlet and canopy quality on 16 November 2012



Fruitlet and canopy quality on 16 November 2012



Fruitlet and canopy quality on 16 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 occurs only in good drying conditions and is targeted to occur prior to weather events. No spreaders are being used. Sprayer has been calibrated. Water rates have been adjusted to achieve good spray coverage. An on-going copper protectant programme is planned throughout the 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. Contract labour with supervision is used on this orchard.

Background *Psa-V* first detected in May 2012. Grower comment – “Believed infection got in during autumn when there was a gap in the protective spray programme.”

2012 – 2013 Psa Protectant Spray Programme to date:

- 10/8/12 – Nordox @ 35g/100L
- 1/9/12 – Kocide @ 40g/100L
- 7/9/12 – Kocide @ 40g/100L
- 10/9/12 – Thermomax
- 12/9/12 – Thermomax
- 14/9/12 – Kocide @ 40g/100L
- 21/9/12 – Thermomax
- 24/9/12 – Kocide @ 40g/100L
- 5/10/12 – Kocide @ 40g/100L
- 7/10/12 – Kocide @ 40g/100L

- 12/10/12 – Kocide @ 40g/100L
- 17/10/12 – Blossom Bless
- **25/10/12 - Fruitset**
- 27/10/12 – Kocide @ 40g /100L
- 29/10/12 – Arcadian @ 1kg/ha
- 4/11/12 – Kocide @ 40g/100L
- 10/11/12 – Kocide @ 40g/100L

2011 – 2012 Psa Protectant Spray Programme:

- 21/6/11 – Nordox @ 50g/100L
- 1/9/11 – Liquicop @ 250mL/100L
- 12/9/11 – Liquicop @ 200mL/100L
- 21/9/11 – Liquicop @ 200mL/100L
- 30/9/11 – Liquicop @ 200mL/100L
- 9/10/11 – Liquicop @ 200mL/100L
- 16/10/11 – Nordox @ 30g/100L
- 17/10/11 – Blossom Bless @ 20g/100L
- 20/10/11 – Blossom Bless @ 20g/100L
- **31/10/12 – Fruit Set**
- 7/11/11 – Nordox @ 25g/100L
- 10/12/11 – Kocide 2000 DS @ 45g/100L
- **Significant gap in spray programme**
- 4/3/12 – Kocide 2000 DS @ 45g/100L
- **Harvest >11,000 TE/ha**

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