



Orchard D – Waihi -Male infection Monitoring Report

Inspection Date: 15 September 2014	Variety: Hayward – Chieftain males																						
Blocks monitored: Block 1 (0.42ha) and Block 2 (0.66ha)	Status: Psa-V positive 17.8.12																						
Reason for inspection: Male infection monitoring programme																							
Monitored by: KVH team	Elevation: 100 msl																						
Production 2013 : 9523 t/ha	Production 2014: 9985 t/ha																						
Observations: There was a higher percentage of secondary symptoms in 2014 compared to the same time in 2013.																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Block</th> <th rowspan="2">Variety</th> <th colspan="4">Percentage of vines with secondary symptoms</th> </tr> <tr> <th>2013</th> <th>3.9.13</th> <th>2014</th> <th>15.9.14</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Hayward</td> <td>Males</td> <td>4.84%</td> <td>Males</td> <td>25.8%</td> </tr> <tr> <td>2</td> <td>Hayward</td> <td>Males</td> <td>18.5%</td> <td>Males</td> <td>42.4%</td> </tr> </tbody> </table>		Block	Variety	Percentage of vines with secondary symptoms				2013	3.9.13	2014	15.9.14	1	Hayward	Males	4.84%	Males	25.8%	2	Hayward	Males	18.5%	Males	42.4%
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1	Hayward	Males	4.84%	Males	25.8%																		
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There were also nine dead male plants in Block 2 and seven with leader dieback.																							
Photos																							
																							
<i>Male vine</i>	<i>Exudate during sap flow</i>																						
Symptom severity: Over a third of males in the orchard had exudate – a number in multiple sites. The block furthest from the road had fewer symptoms.																							
Background of block(s) under investigation) <ul style="list-style-type: none"> • Frost protection – irrigation sprinkler system • Low-vigour male pruning • Dry pollen applied 2013 at 250gm/ha • Copper applied after wounding activities • Crush tipped and girdled 																							
Infection cut-out strategy: Secondary symptoms cut out when present – one round of cauterising, four infection cut-outs per year – additional when pruning.	Spray Programme: 2014 season 2 x Actigard; 7 x Nordox; 1 x KeyStrepto; 1 x Ambitious; 3 x Kocide Opti																						

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