



## Orchard A – High Altitude Te Puke - Male infection Monitoring Report

<b>Inspection Date:</b> 9 September 2014		<b>Variety:</b> Hayward – Chieftain males			
<b>Blocks monitored:</b> 5 (0.82ha); 6 (0.85ha)		<b>Status:</b> Psa-V positive on 4.10.11			
<b>Reason for inspection:</b> Male infection monitoring programme					
<b>Monitored by:</b> KVH team		<b>Elevation:</b> 100msl			
<b>Production 2013 :</b> 9798 t/ha		<b>Production 2014:</b> 6988t/ha			
<b>Observations:</b>					
<p>Block 5 had similar levels of secondary infection in 2014 to that observed in 2013. However, block 6 had eight vines with infection this (early) spring compared to two in 2013. Three of them had leader dieback.</p>					
Block	Variety	Percentage of vines with secondary symptoms			
		2013	2.9.13	2014	9.9.14
5	Hayward – Chieftain males	Males	3.41 %	Males	2.27%
6	Hayward – Chieftain males	Males	2.08%	Males	8.33%
<b>Photos</b>					
					
Exudate September 2014			Monitored Blocks 2014		
<b>Symptom severity:</b> Several vines had leader dieback – all symptomatic vines were in the dip in the block.					
<b>Background of block(s) under investigation):</b>					
<ul style="list-style-type: none"> <li>• Westerly prevailing wind</li> <li>• Frost protection in six only (overhead sprinklers)</li> <li>• No irrigation</li> <li>• KVH monitored blocks have always been the worst in terms of infection – high inoculum levels early on from neighbour with infected Hort16A.</li> <li>• No flowers harvested and no artificial pollination used.</li> <li>• Attempt to spray prior to weather events – trying to minimise the use of copper.</li> <li>• Girdled vines in January.</li> </ul>					
<b>Infection cut-out strategy:</b> Cutting out once a month – going back to a junction if possible or back to the leader if necessary.			<b>Spray Programme:</b> 2014 season- Actigard x1; Nordox x 3; Kocide x4; Ambitious x 1		

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