



Psa Tolerance of New Varieties

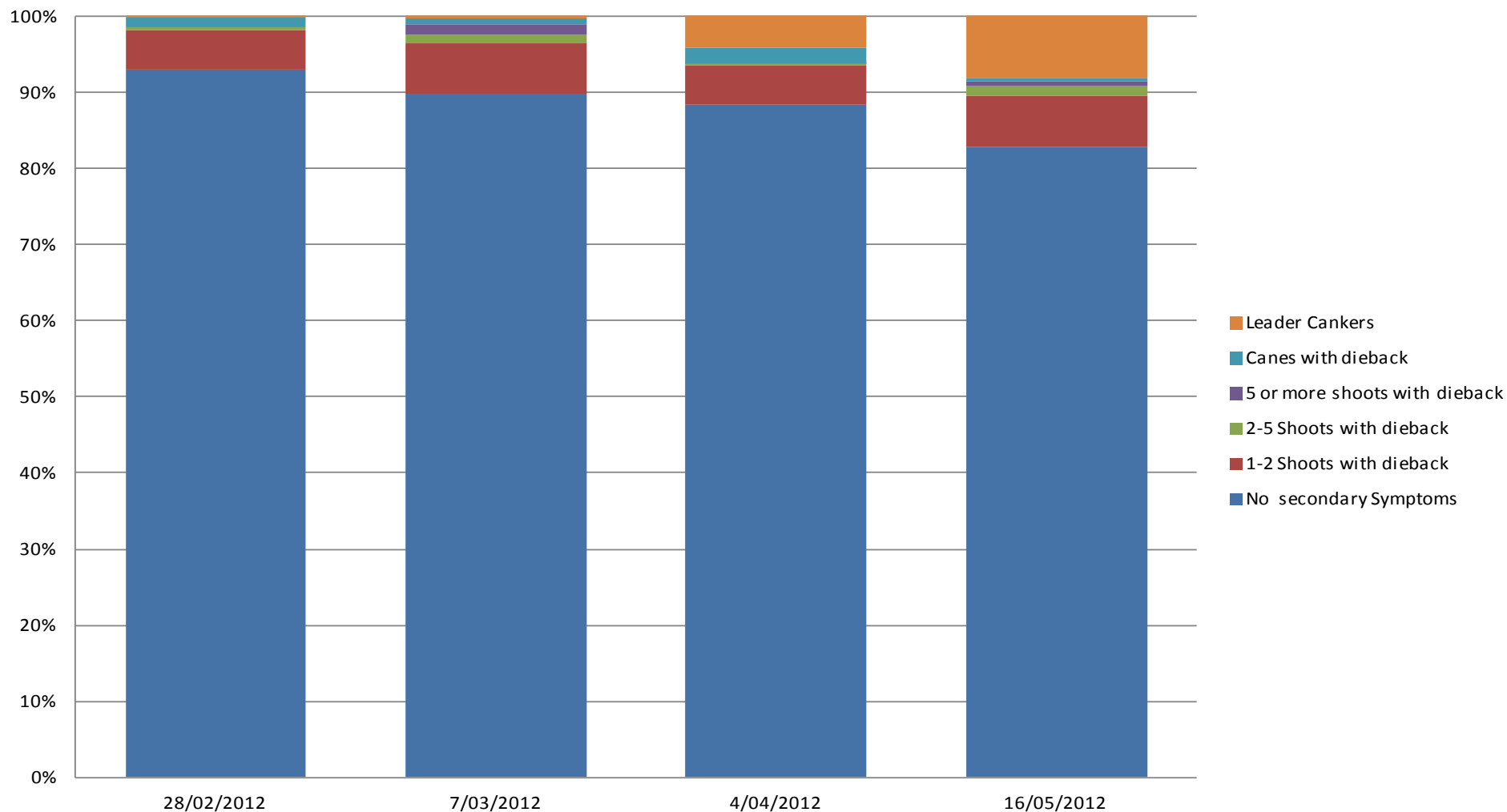
In-field observations



David Tanner and Simon Cook
(on behalf of Jayne Chamberlain and others)

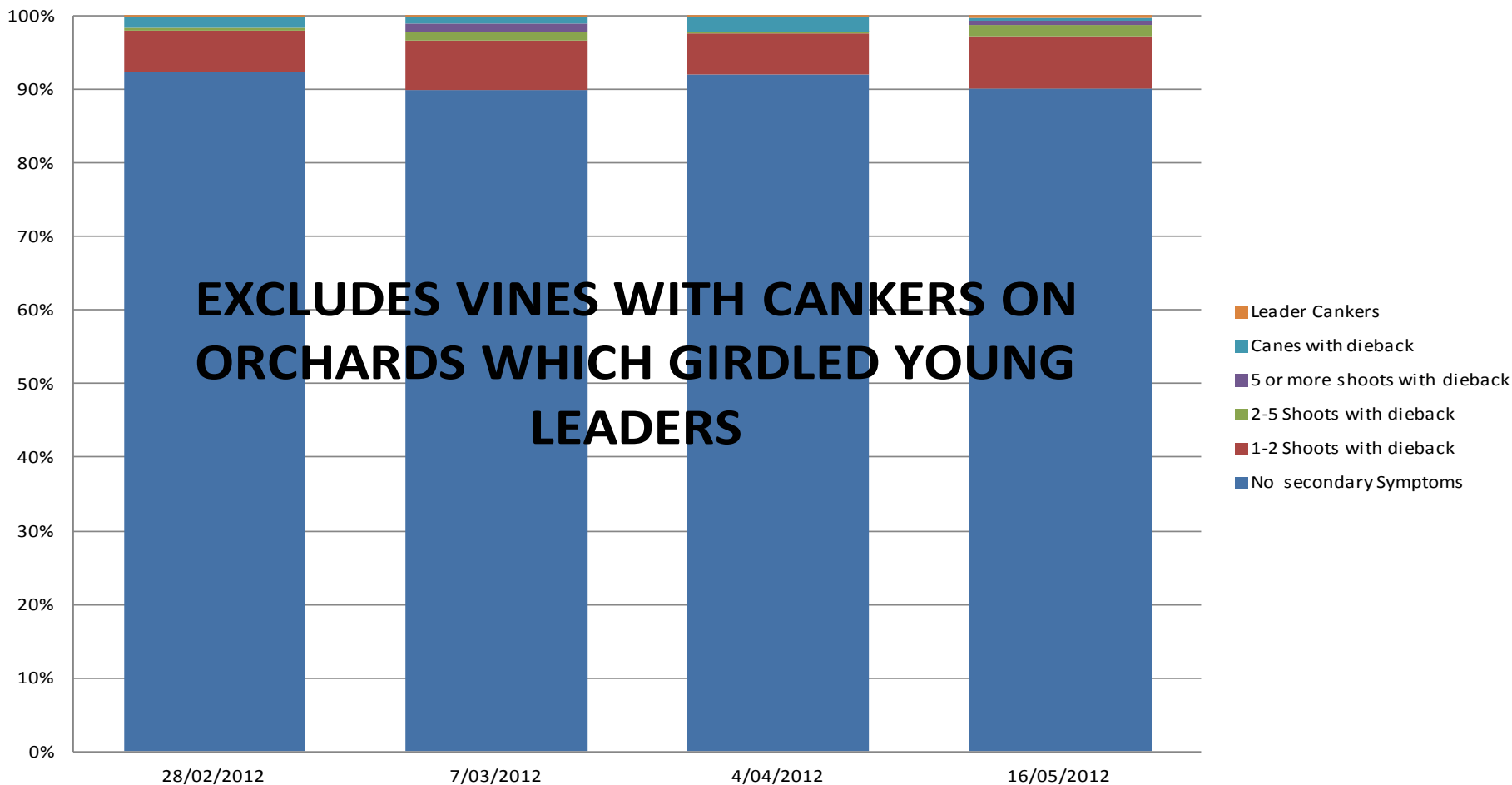


Gold3 Psa Symptoms: Snapshots over time (on 6,500 vines)



Gold3 - edited

Gold3 Psa Symptoms: Snapshots over time
(on 6,000 vines)

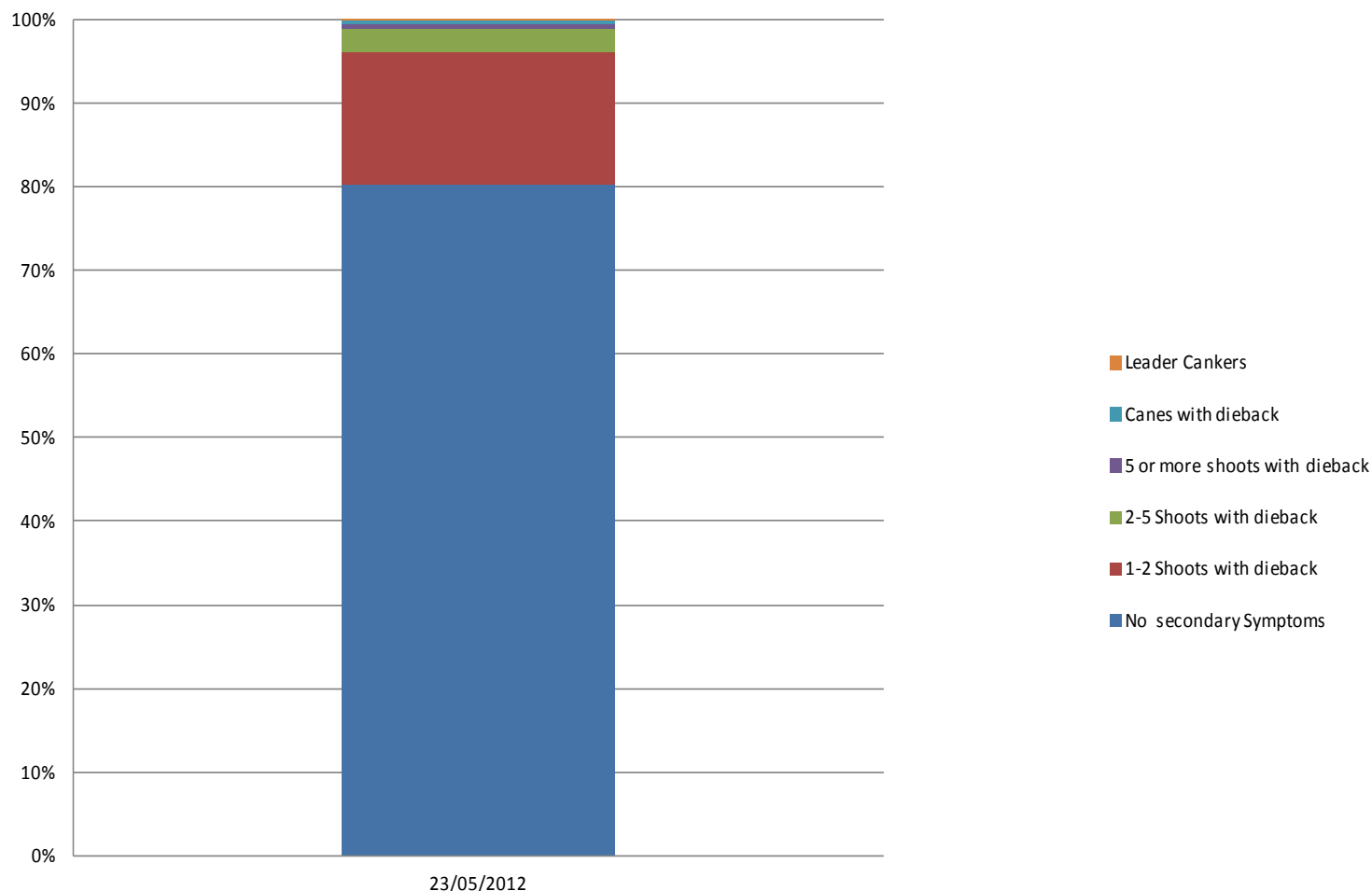


Gold3 Anecdotal comments

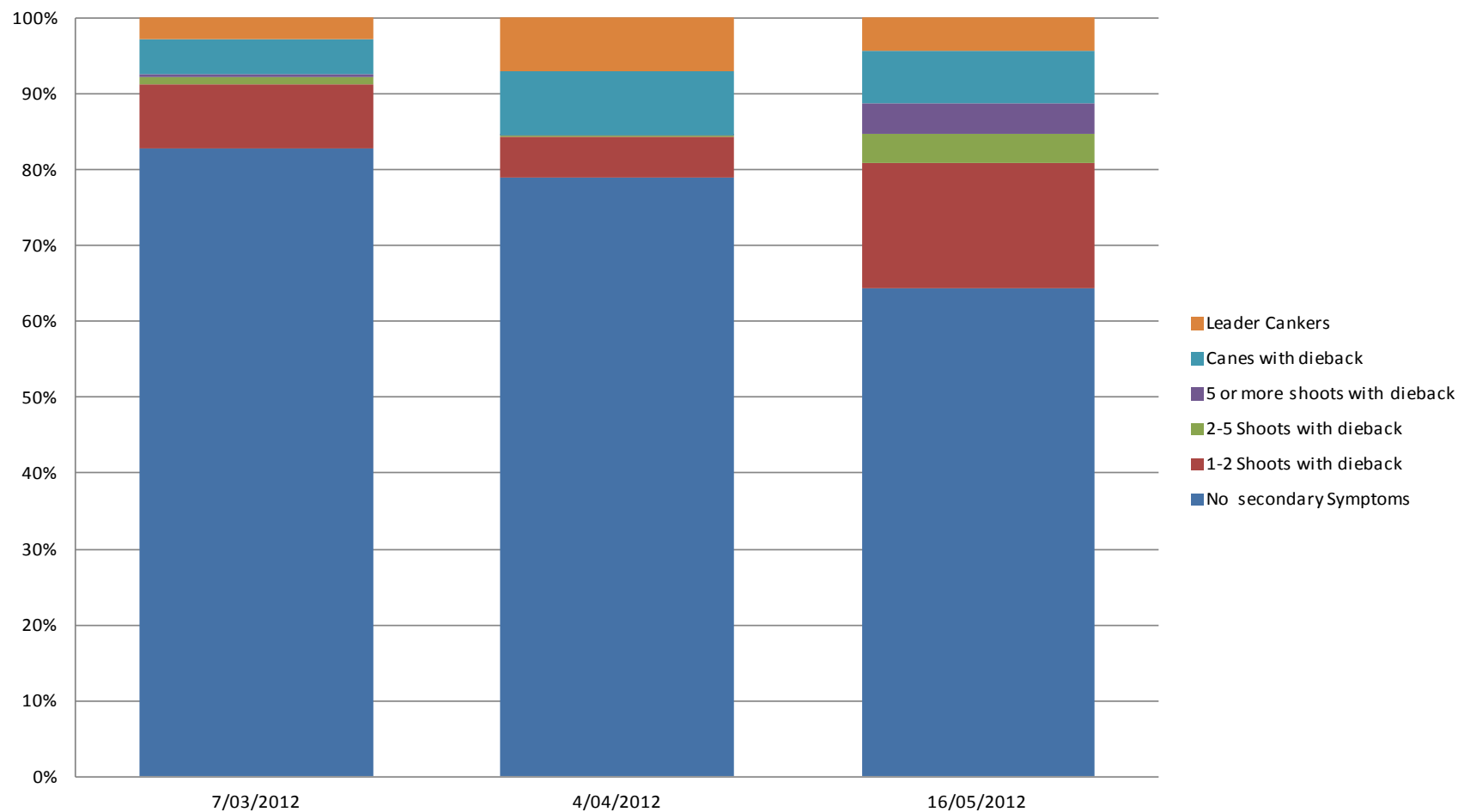
- Low level of tip/shoot dieback seen over summer on several fruiting blocks
- Exudate on Gold3 scions girdled too deep
- Increasing reports of cane dieback and orange exudate on young non fruiting vines
- Early days but contributing factors appear to be
 - Wind damage
 - Cane damage from wire rub
 - Limited or no protectant sprays applied from mid summer onwards

Gold3: limited to 2011 grafted vines

**2011 Grafted Gold3 - Psa Symptoms: As at 23/05/2012
(on approx 10,000 vines in Te Puke)**

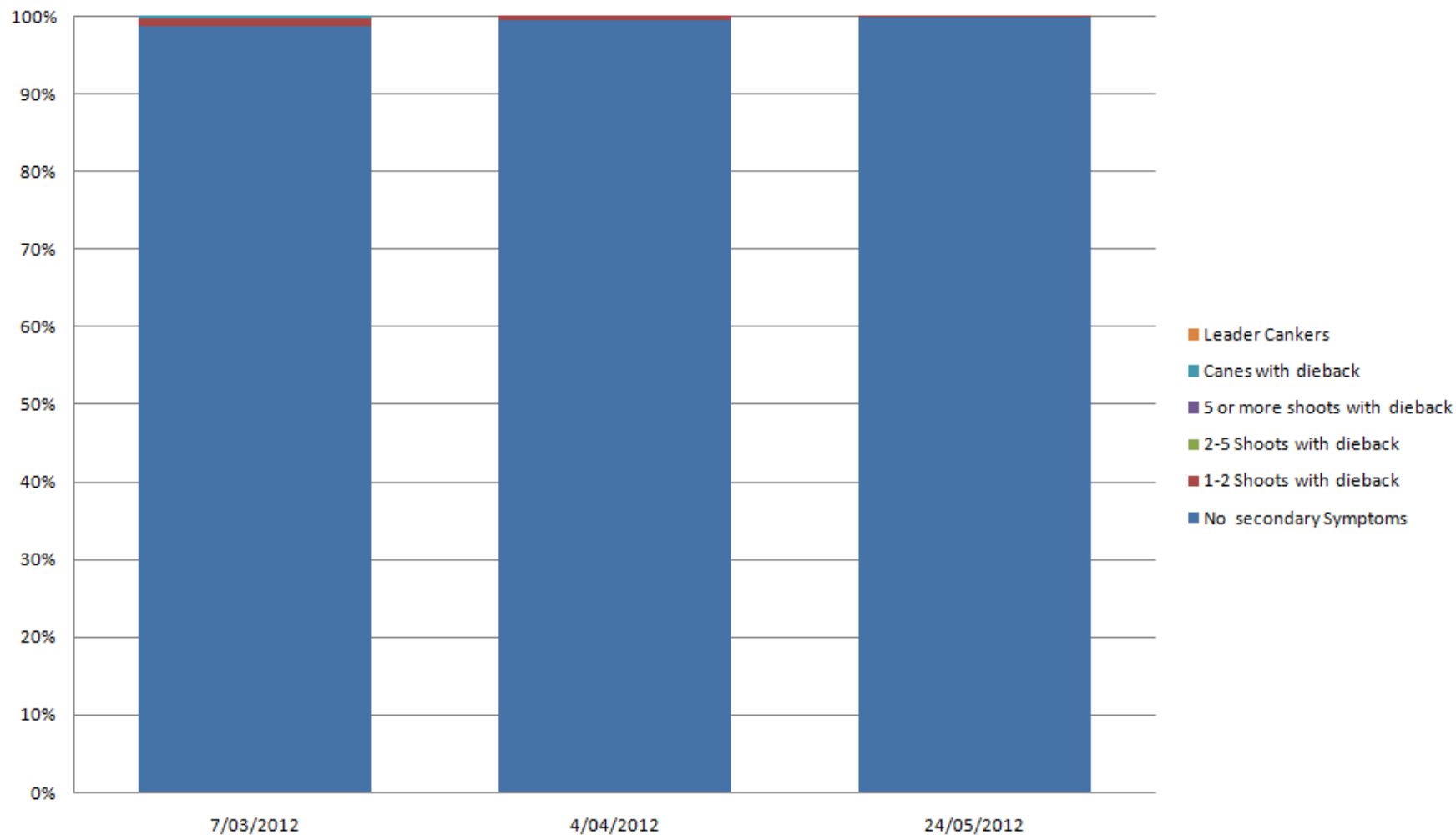


**Gold9 Psa Symptoms: Snapshots over time
(on 5,500 vines)**



Green14

Green14 Psa Symptom: Snapshots over time
(on 7,000 vines)



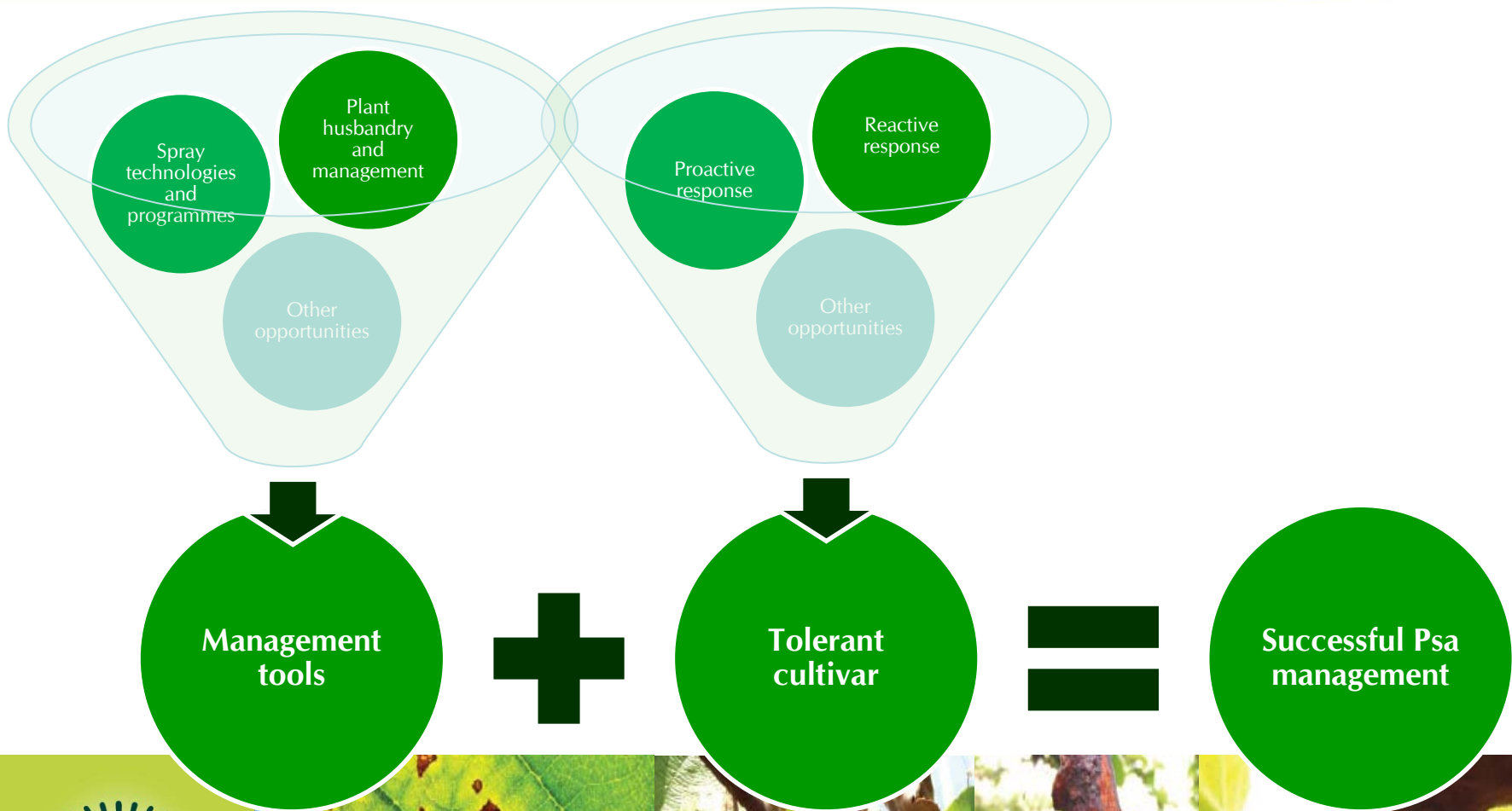
Summary

- To date, Gold3 appears more tolerant than Hort16A. In terms of relative tolerance Green14 seems most tolerant, then Gold3 followed by Gold9.
- Intervention is essential for all tolerant varieties

Refer to the New Variety page on the Canopy or KVH protected site for updated information



A reminder....





KVH and ZESPRI Observation Reports





PSA Observation Reports

- Response to rumours
- Focus on New Varieties
- Build on monitoring by orchardists and KVH
- In-depth investigation of new symptoms



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Kiwifruit Vine Health Inc

Our website has information for New Zealand kiwifruit growers about *Pseudomonas syringae* pv. *actinidiae* (Psa).

KVH's mission is to minimise the impact of Psa-V on the New Zealand kiwifruit industry and enable affected growers to re-establish their orchards.

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ZESPRI Board decision

[27.04.12 Latest Update—Kiwifruit](#)
growers support ban on notch
grafting in Te Puke area

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rural banks sponsor Psa R&D
programme

Important information

New—[G3 observation reports](#) for
registered growers (23.05.12)

New—[G3 and G9 in-field](#)
[monitoring results](#) for registered
growers (21.05.12)

New—[Franklin Psa-V tracing](#)
[report](#) (10.05.12)

New—[April R&D Update](#) by Dr
David Tanner (10.05.12)

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What is Psa?

Protection

How do I protect
my orchard from
Psa?

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What do I do if I
think I have Psa?

Psa Positive

What happens

Wind Rub Maketu



Scion Collapse Te Matai Rd

KVH
KIWIFRUIT VINE HEALTH

Zespri
Kiwifruit





Scion on Left
Collapsed

Scion on right
Healthy



Scion Girdle Katikati



Knife Girdle applied
mid trunk.



Red exudate was observed on the trunk above the unhealed girdle and also along the leader.