



KVH
KIWIFRUIT VINE HEALTH



Psa R&D Grower Update Meeting

March 15, 2012





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PSA TOLERANCE OF NEW VARIETIES IN FIELD OBSERVATIONS

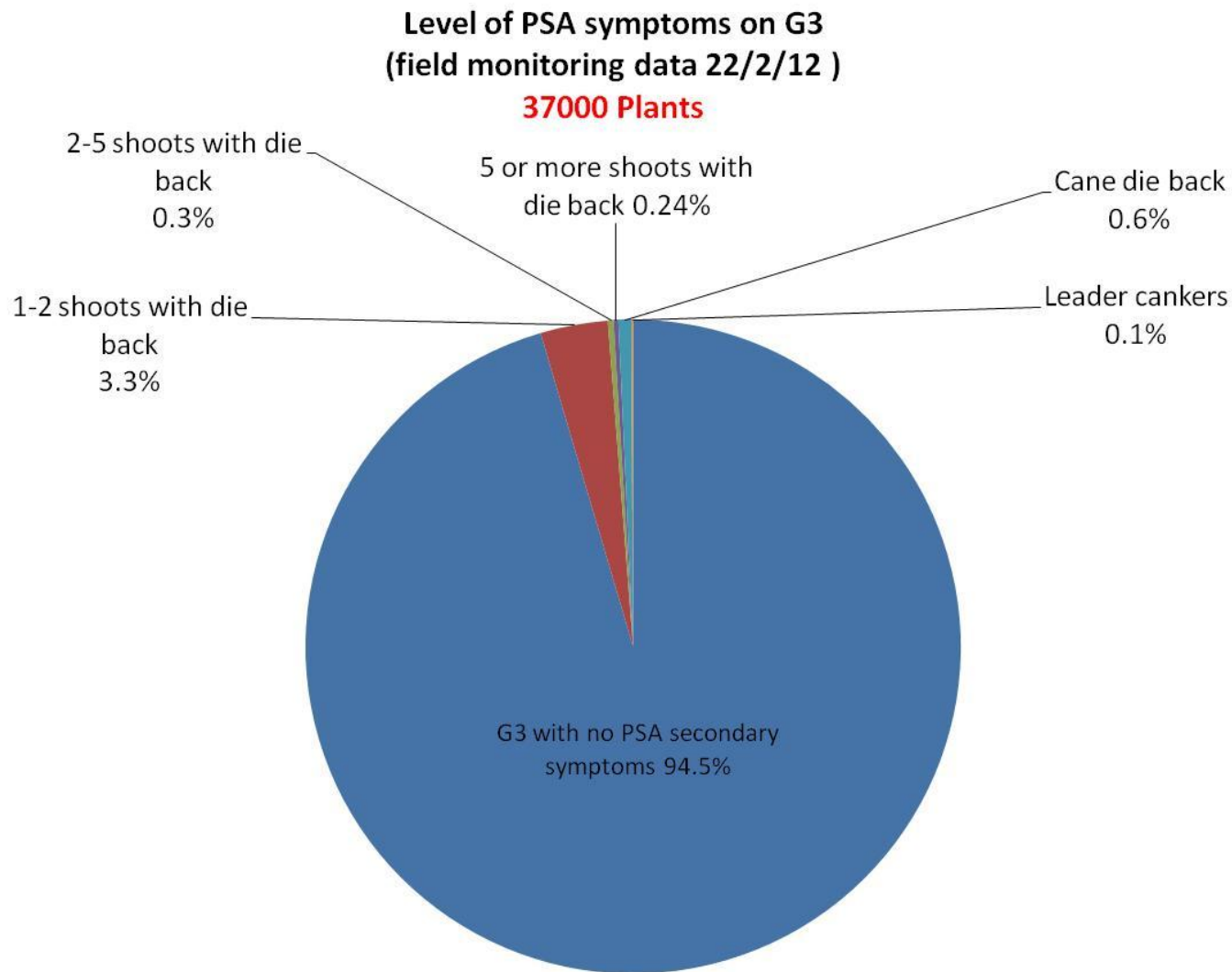
March 2012

Leighton Oats, William Max, Val Baker's
Team, Braden Hungerford, Jayne
Chamberlain



GOLD3 TOLERANCE

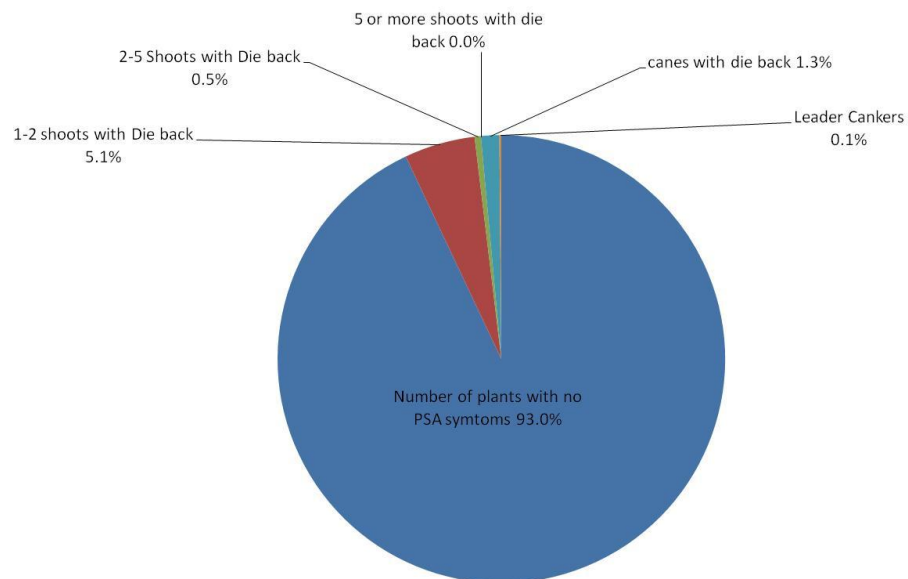
“Te Puke” Snapshot



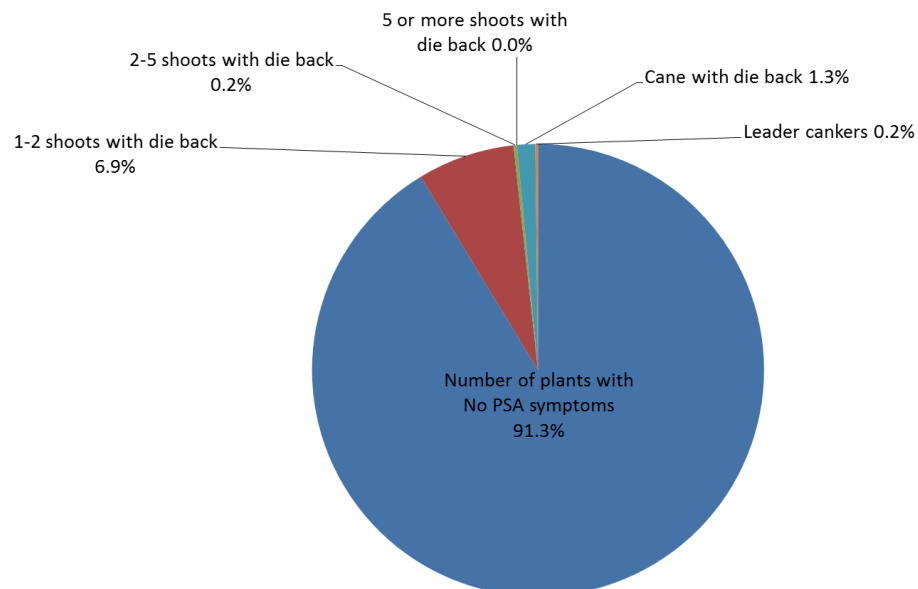
GOLD3 TOLERANCE

Subset for ongoing monitoring

G3 Psa Symptoms up to 21.2
(On 6500 plants)

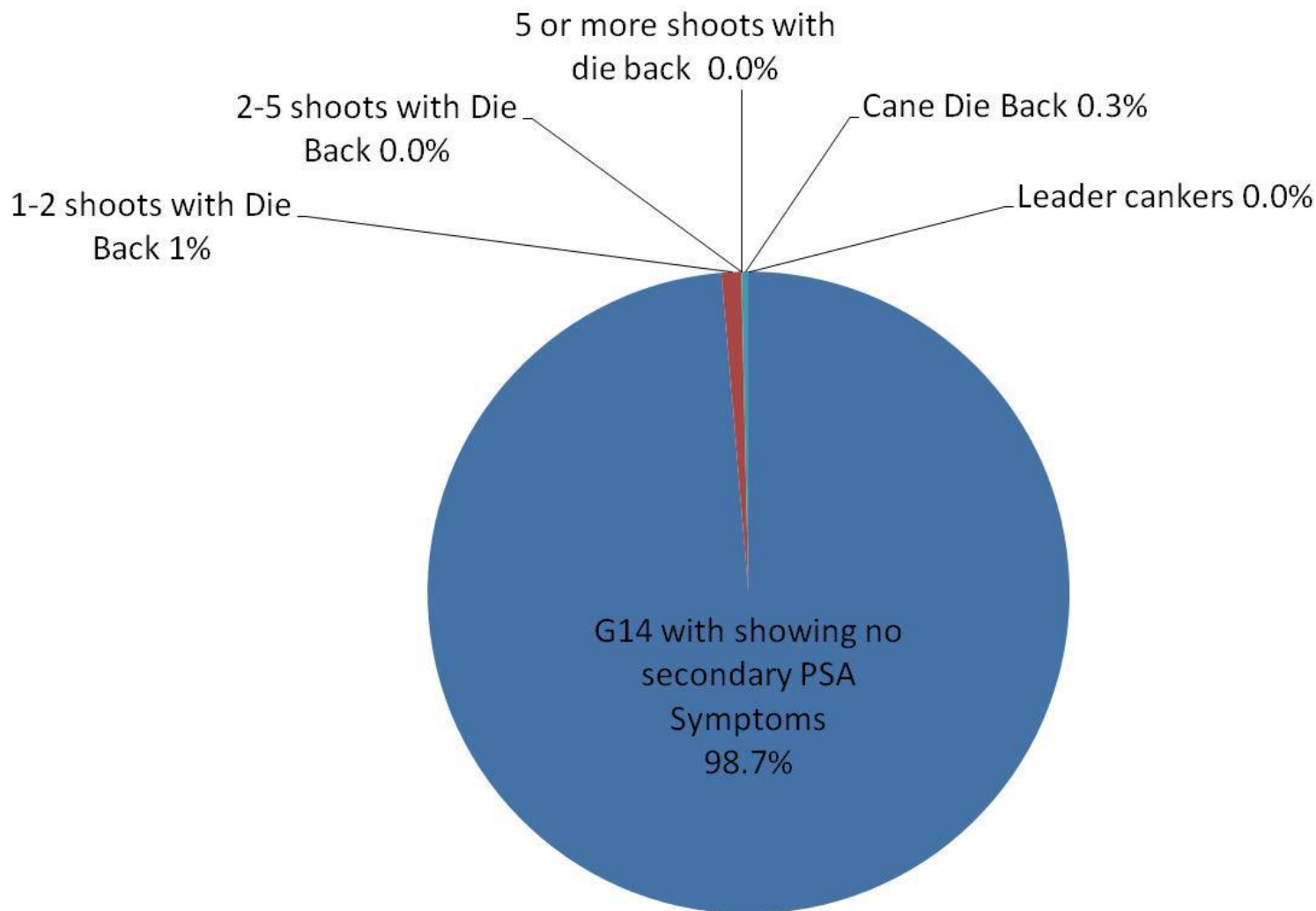


G3 PSA Symptoms up to 7th march
(On 6500 Plants)



G14 Psa Symptoms up to 7 march

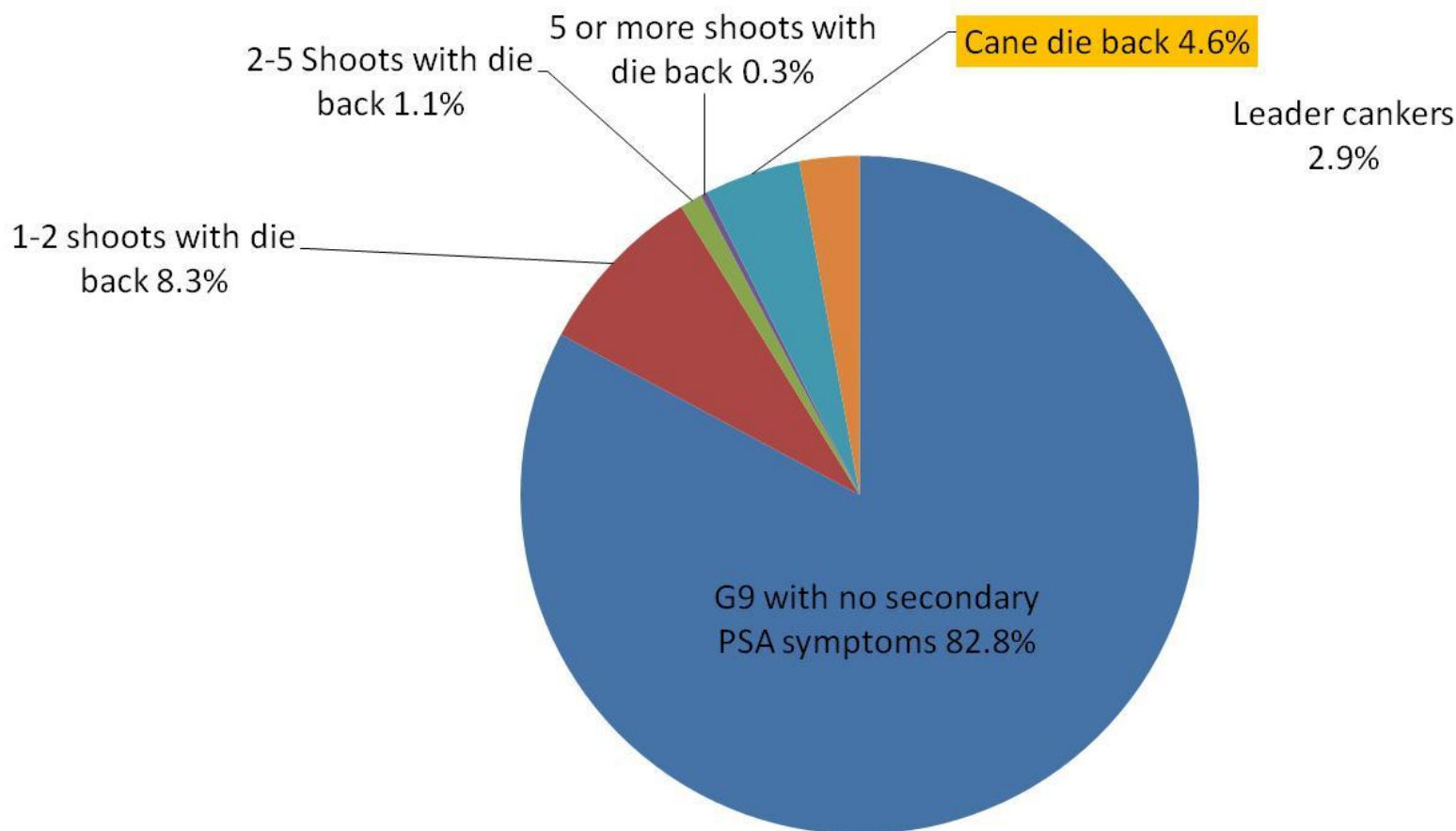
(7000 plants sampled)



GOLD9 TOLERANCE

Subset for ongoing monitoring

G9 PSA symptoms up to 7 march
5500 plants sampled



TOLERANCE

Examples

G9 Leader



Exudate in G9



TOLERANCE

Examples



ESTABLISHMENT

Psa Symptoms update

**QUANTIFY NEW GRAFT SUCCESS AND LEVEL OF INFECTION ON
ORCHARDS CUT-BACK DUE TO PSA**

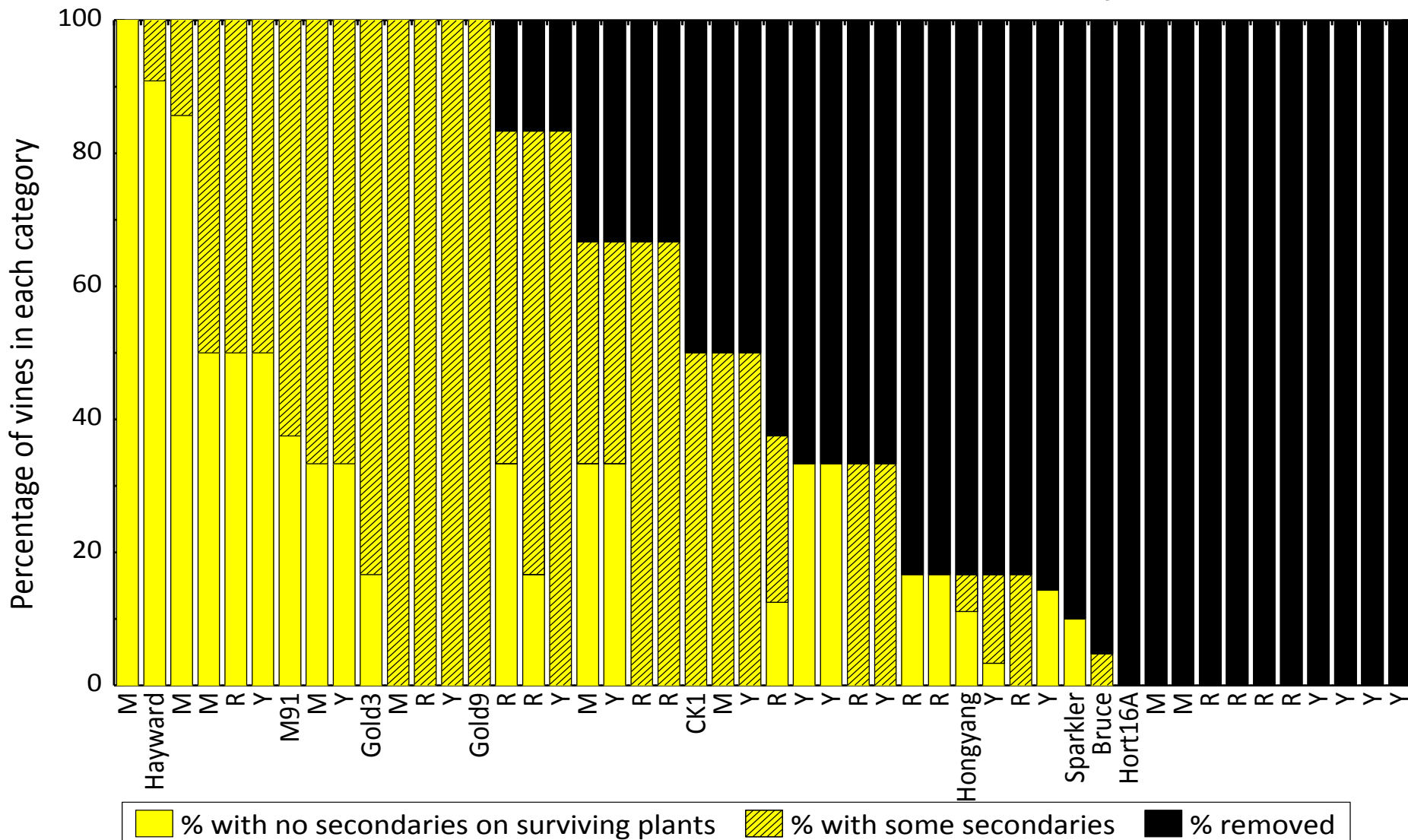


WHAT ABOUT GOLD MALES?

(Plant & Food Research)

Least susceptible

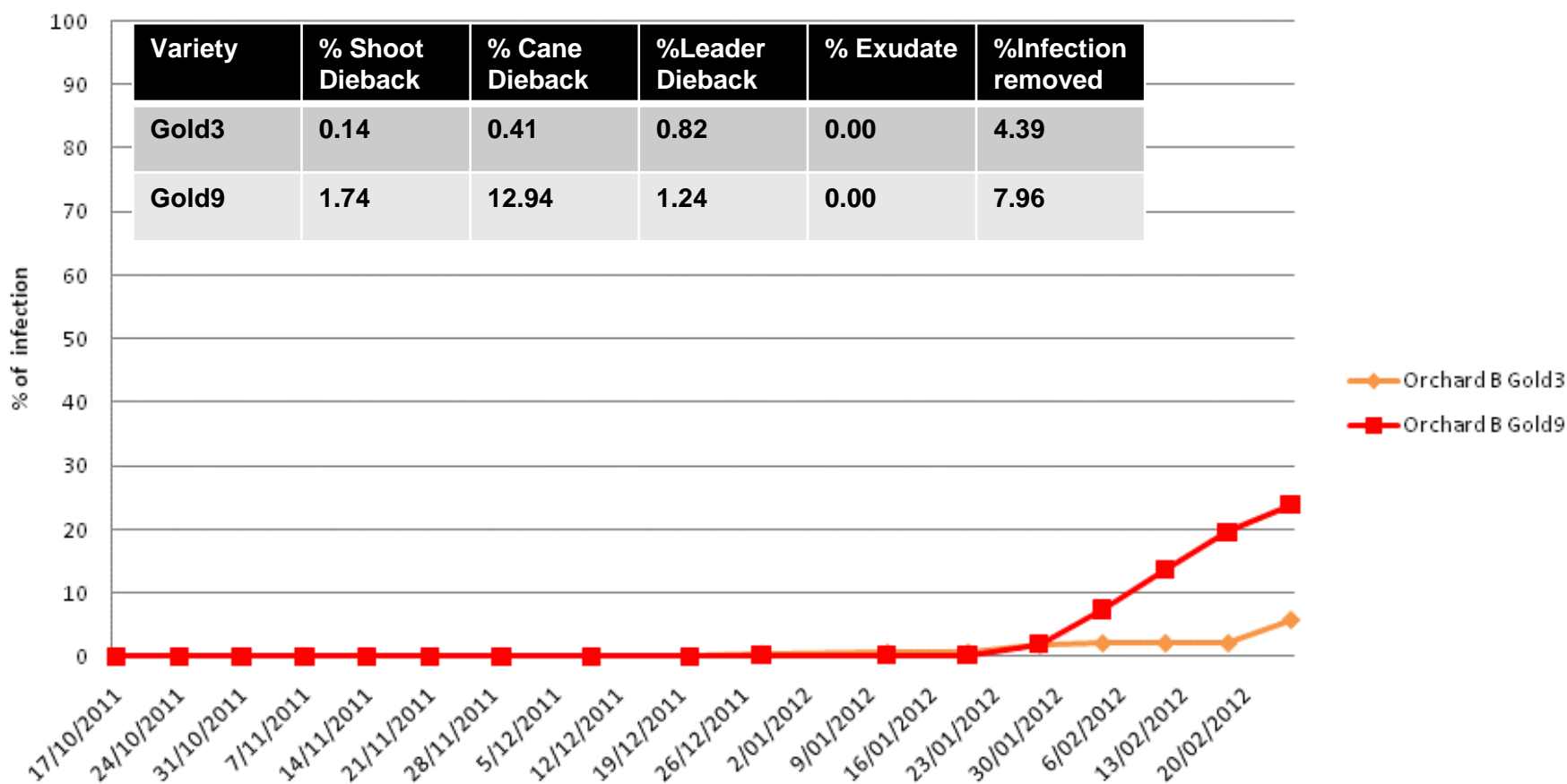
Most susceptible



SPEED OF PROGRESSION

Case Study

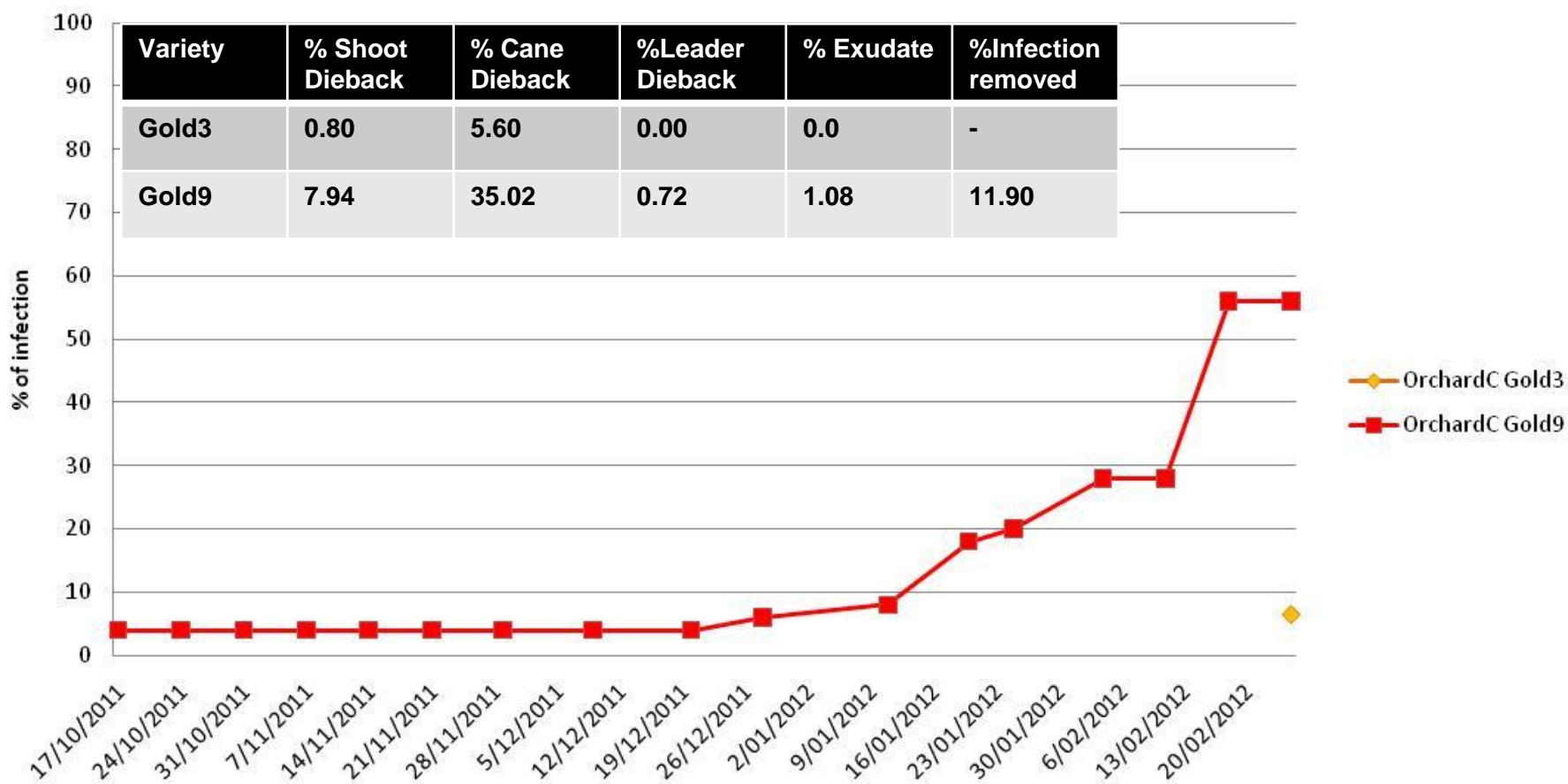
Orchard B: Gold3 and Gold9 level of infection
progress over time



SPEED OF PROGRESSION

Case Study

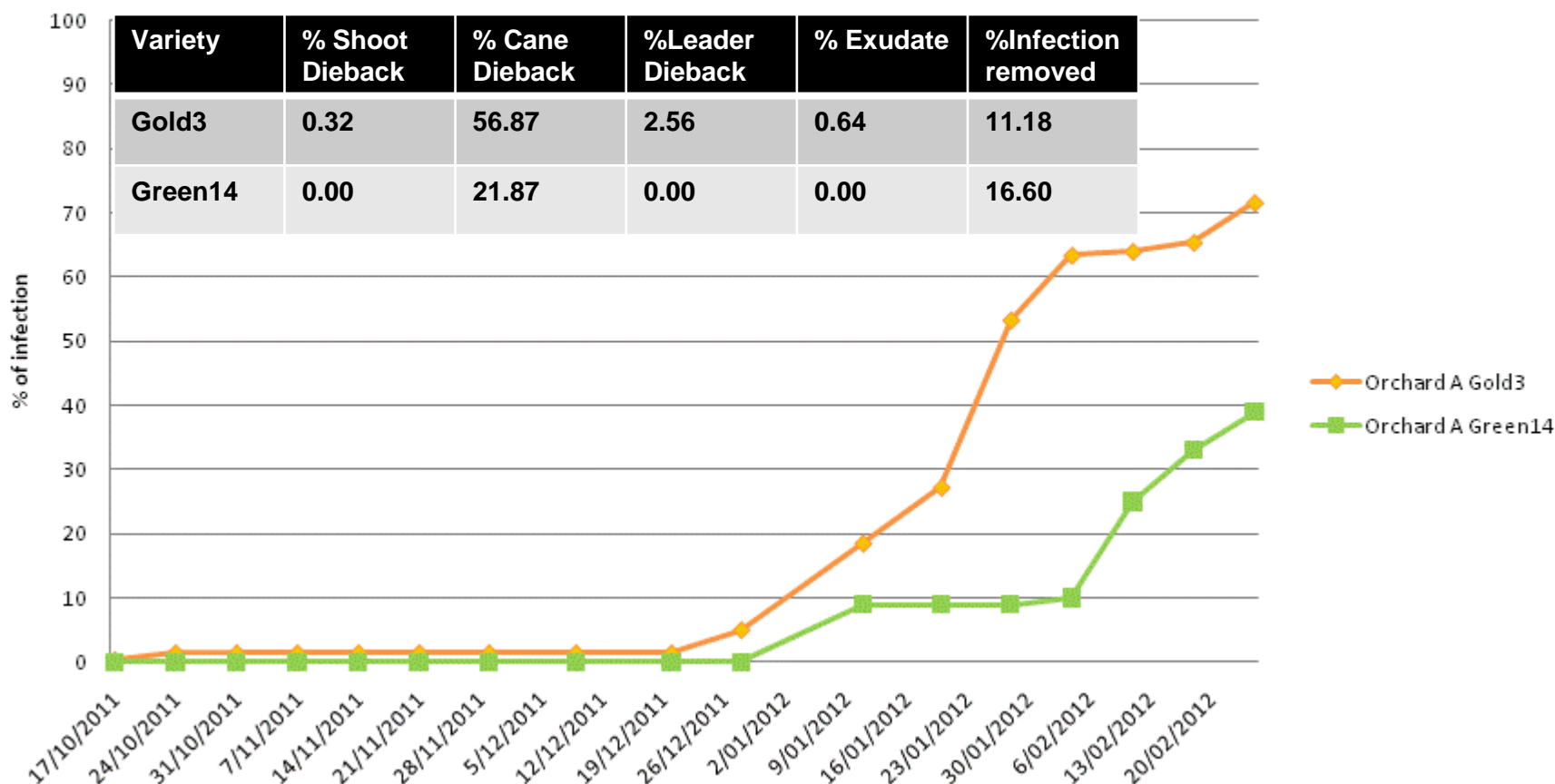
Orchard C: Gold3 and Gold9 level of infection
progress over time



SPEED OF PROGRESSION

Case Study

Orchard A: Gold3 and Green14 level of infection
progress over time



SUMMARY (T.H.M)

- To date, Gold3, Gold9 and Green14 appear more tolerant than Hort16A. However, in terms of relative tolerance Green14 seems most tolerant, then Gold3 followed by Gold9.
- All these varieties will require some level of intervention.

Inoculum load, sprays, vine management programmes and weather will all impact on Psa infection levels.