

Fruitfed Supplies R&D Team

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- 50 field trials between us last season in a wide variety of crops
 - Psa in kiwifruit a key focus

Trial design

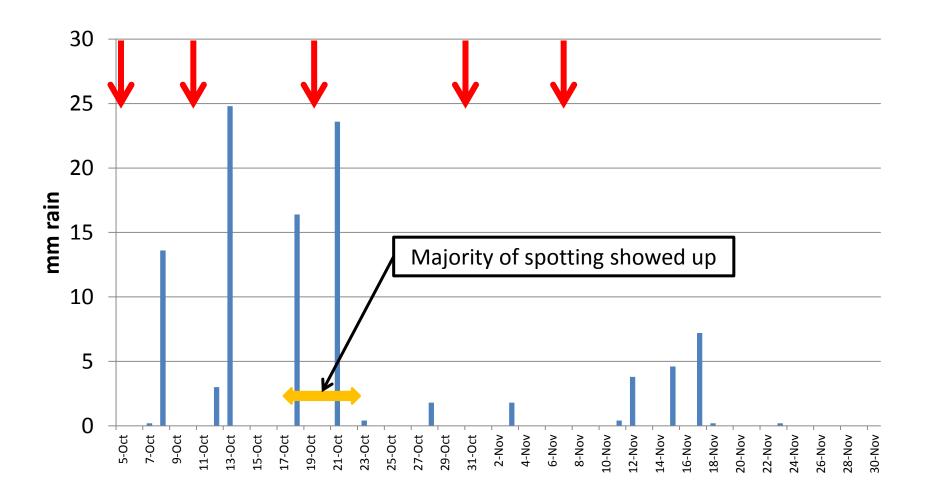
- Orchard in Maketu
- Hayward vines, strip male
 - 1 plot=1 mature female vine
- Relying on natural inoculum
- Protectant spray applications made from approx. 2 weeks post-budbreak through to pre-flower
- Leaf spot and fruitlet data



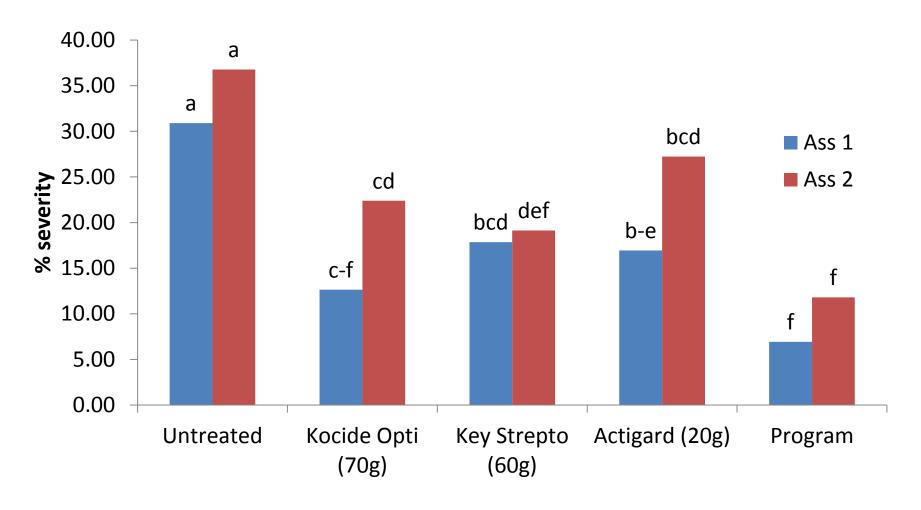
Product group	Product	Active ingredient	Applications
Protectants	Kocide Opti	Copper hydroxide	Prior to rain events or every 10-14 days (5 apps in total)
	Key Strepto	Streptomycin	
Elicitors	Actigard	Aciben-zolar-S-methyl	Every 21 days
Program	Actigard	Aciben-zolar-S-methyl	Every 21 days
	Kocide Opti	Copper hydroxide	Prior to rain events (3 apps in total)
	Key Strepto	Streptomycin	Prior to rain events (2 apps in total)

0: 0 leaf spots 1: <5 small spots **2:** <25% leaf area covered in spots **3:** >25% but <50% leaf area covered in spots **4:** >50% but <75% leaf area covered in spots **5:** >75% leaf area covered in spots, necrosis

Rainfall and application dates



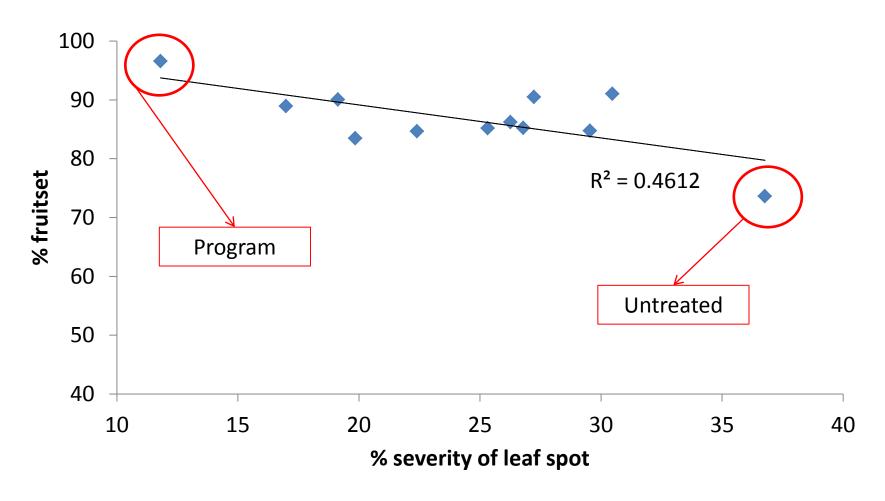
Combining different MOA's



But what does leaf spot mean?



Does leaf spot affect fruitset?



Further assessments

- Final fruit count and fruit size at harvest
- Secondary symptoms early Spring of next year

Phytotoxicity observations

- After 5 applications pre-flower
 - Kocide Opti, no phyto
- Dilution effect due to leaf growth, low rates

Other interesting observations

- Males looked bad to start with, but appeared to "grow through" the spotting
- Severe female spotting appeared to show up "overnight"
- Certain bays lots of spur shoots showed next to no spotting when other bays did, and are still very clean

Thank you to Seeka, particularly Murray and Gavin Also to Alastair, Jo, Rachael, and Matt