



Horticulture – Setting the Scene

- Some 40-50 categories of fresh food: fruit, vegetables and nuts
- At least 25 of those categories are pollen dependent (degree ranging).
 Almonds – 100% dependent
 Strawberry – 10-20% dependent
- Direct economic contribution by honeybee to crop pollination estimated at between \$1.6 - \$1.7 billion



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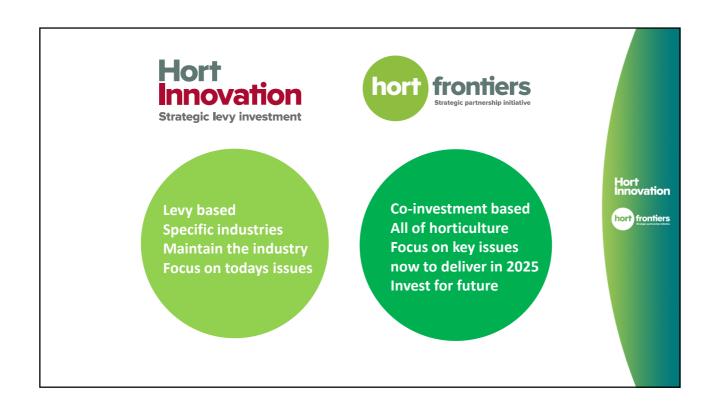
Horticulture – Setting the Scene

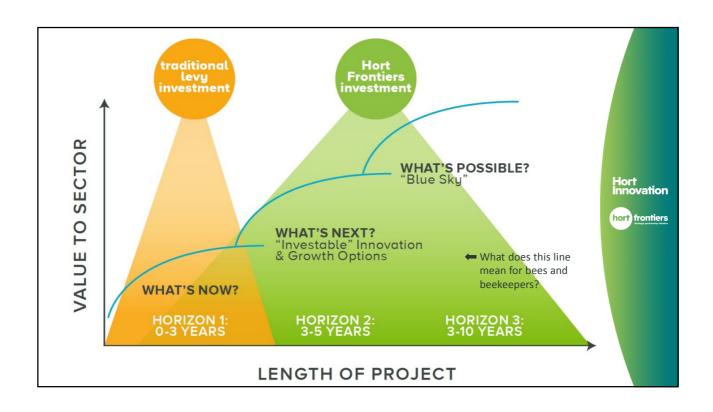
- Key categories (almonds, macadamias, avocados) growing exponentially – trade and FTA's (China, etc)
- Some horticultural industries pay serious \$\$\$ for bees, others not so (rely on wild pollination)
- Honey bee industry success or threats = horticulture success or threats

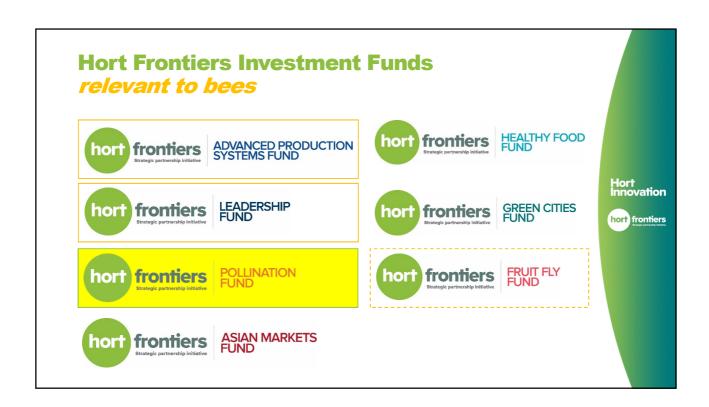


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'What' - Horticulture's bee investment themes:

- 1. Manage European Honey Bee
- 2. Optimise crop pollination efficiency
- 3. Identify alternate crop pollinators







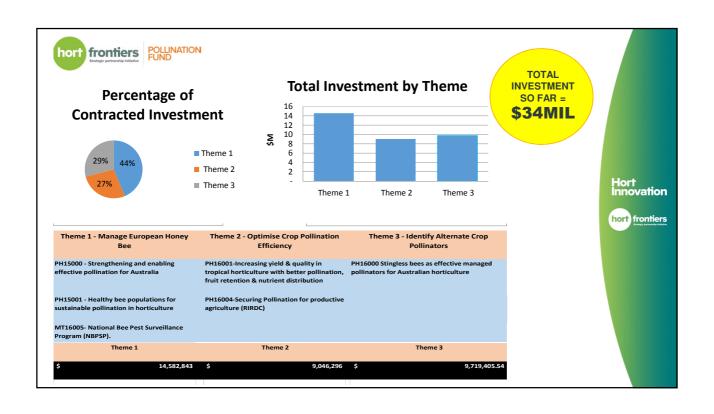
'Why' - Horticulture's bee investment themes:

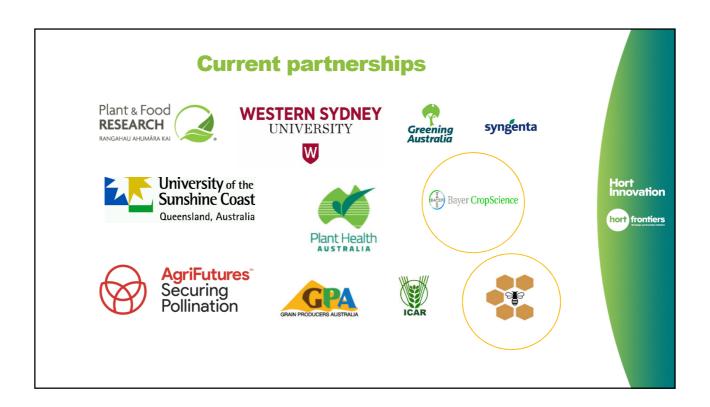
- Improved honey bee management and pollination performance
- Crop pollination requirements understood and optimised
- Alternate pollinators and tool developed
- Improved sustainability of both honey bee and horticulture industry
- = Alignment Bee industry and Hort

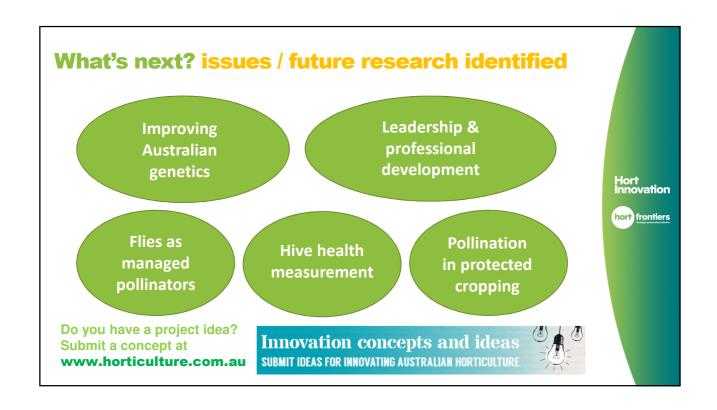


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Manage European Honey Bee	Optimise crop pollination efficiency	Identify alternate crop pollinators	
PH15000 - Strengthening & enabling effective pollination for Australia	PH16001 - Increasing yield & quality in tropical horticulture with better pollination, fruit retention and nutrient distribution	PH16000 - Stingless bees as effective managed pollinators for Australian horticulture	Hort Innov
PH15001 - Healthy bee populations for sustainable pollination in horticulture	PH16004 - Securing pollination for productive agriculture		
MT16005 - National Bee Pest Surveillance Program			









Key messages

- Hort Innovation is investing to strengthen and future-proof industry – horticulture AND honey bee industries
- We are aiming to position Australia as world leaders in pollination research
- Need to invest in a strategic future where will your business be in 5, 10, 15 years ?



