

New Zealand Study Tour 2018

Susie Murphy White
Project Manager

Basil, Mark, Dean, Mat, Joe,
Lucy, Jade, Trevor & Leila,

Santa Rita Orchards,
Collins Bros,
R.J Fox & Son,
T & C Fontanini,
Ladycroft Orchard
Casuarina Valley Orchard

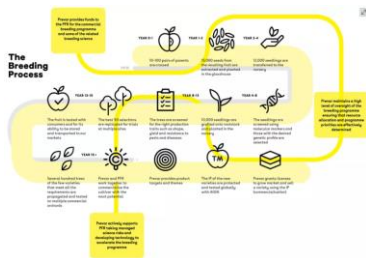


- **Hawkes Bay**
 - Prevar, PFR
- **7 Orchards, 1 Packhouse**
 - Tall spindle trees
- Soft conditions lower rainfall
776mm more sunny days
 - Flat riverbed
- **Nelson – Motueka**
 - 1 Nursery, 10 Orchards,
 - 2D system
- More Rainfall 950mm protected from the mountains
 - Stoney sandy soils



Prevar – Breeding Process

Piqa Fruit (pears),
Smitten®,
Rockit®,
Lemonade®,
Sweetie™,
Dazzle™,
Cherish™ and
Reddy Robbin® (pears)



Plant & Food Research Hawkes Bay Future Orchards Production System (FOPS)



**FOPS 2D
Planar system**

Row spacing 2m
Tree spacing 3m
Twin stem 1.35
Uprights 30cm
apart (10-12
uprights/tree)
10-12° angle at top

Control Vigour
Currently using
55-65% light,
system will
increase to 90%
efficiency



NZ Growers Using FOPS



V Trellis





Waimea Nursery – Twin Stems



Twin Stems



Grafting to new varieties



Piqa Boo Pears



Root Stocks – CG202





Technology in the Orchard



Electronic pest traps



Robotic Picker is coming here in April



Tall Spindle Trees – Hawkes Bay



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Varieties Grown - Jazz, Envy, Braeburn, Gala strains,

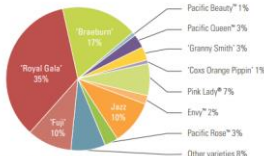


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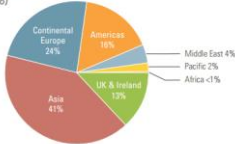


New Zealand Apple Industry

Apple exports
by variety
(Weight basis,
2016)



Apple export
destinations by region
(Weight basis, 2016)



Sources for above charts:
Pipfruit New Zealand Inc.

2016

- 350 000 tonnes fruit
- \$692 million NZD
- Exported to Asia, Europe & USA

2016

- 8 809 ha planted to Apples
- 953 Export orchards
- 55 Packhouses
- 77 Exporters

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Biosecurity Message!



- European Canker
- Codling Moth
- Black Spot
- Fire Blight
- Waterlogging and compaction

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What were the highlights from the group?

- Seeing how orchards are growing outside WA,
- Potential ways of changing to new systems and producing high yields
- NZ tonnes/ha, growing conditions
- Scale yield the growers are achieving with tree training techniques
- Secure massive crop load
- See how enthusiastic NZ growers were
- Growers positivity and enthusiasm in the industry
- Seeing new growing systems
- Meeting new growers
- Passion of the growers
- Looking forwards
- NZ outlook on systematic production

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What do you want to trial on your orchard?

- Cordon system
- Twin leader 2D V
- FOPS in 2D system
- New tree training techniques – double leader FOPS
- New growing styles FOPS twin leader
- FOPS into older trees
- Grafting new varieties
- Grafting IP varieties onto big rootstocks with multi leader system
- Just ensure my current trials are well managed and given chance to perform – girdling of vigorous trees
- Trial blocks
- Get Bravo into the high quality, production & packouts

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**It was a great week we saw lots, learnt heaps
and brought home so much enthusiasm –
Thank you APC Pomewest**

