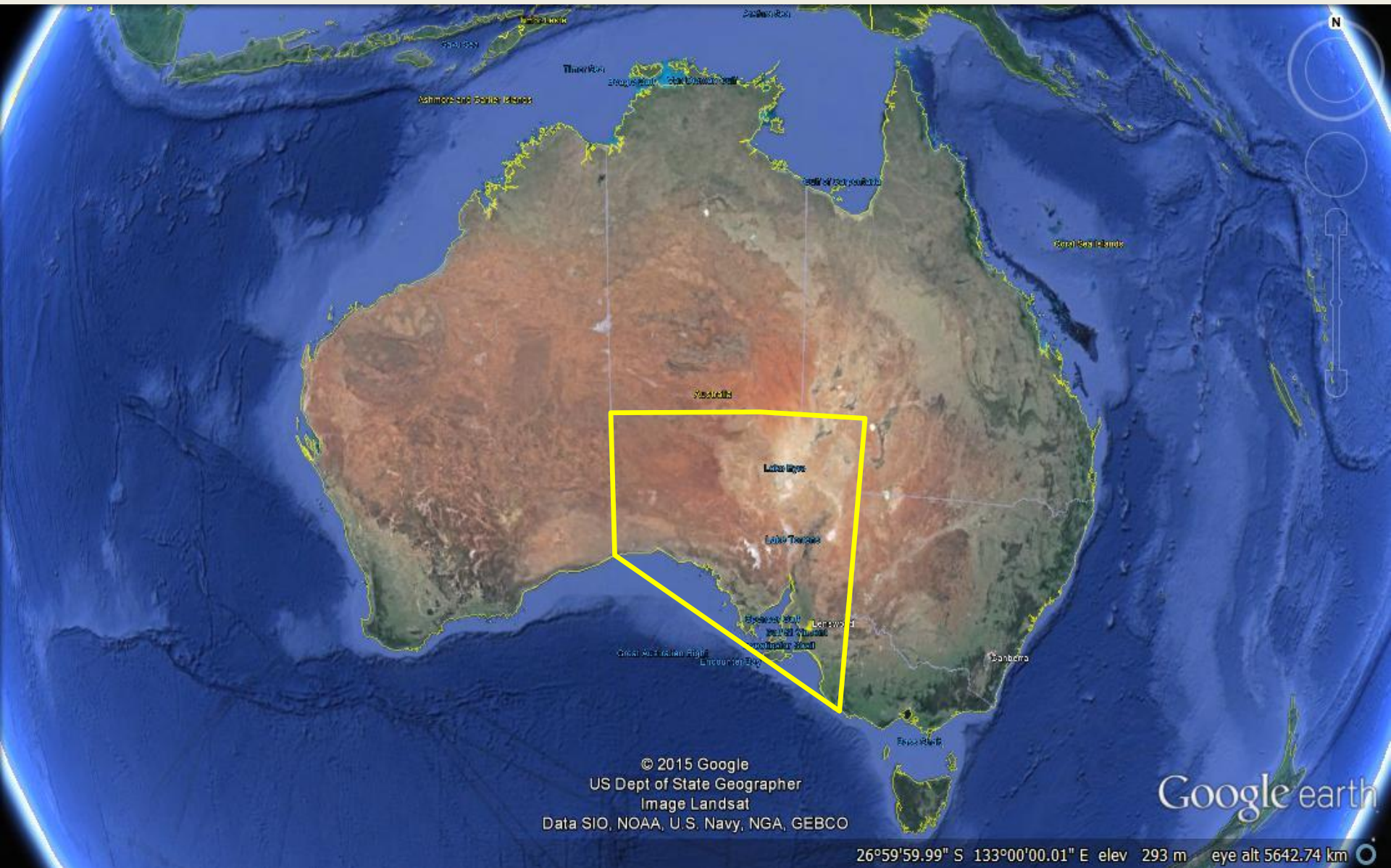




**Growing Pink Lady® in
Australia**

My Experience

Oakleigh Orchards - Robert Green



© 2015 Google
US Dept of State Geographer
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth

26°59'59.99" S 133°00'00.01" E elev 293 m eye alt 5642.74 km



Lake Eyre

South Australia

Strzelecki Desert

Lake Torrens

Lake Gairdner

Flinders Ranges

New South Wales

Spencer Gulf

Gulf St Vincent

Investigator Strait

Encounter Bay

Lenswood

Great Australian Bight

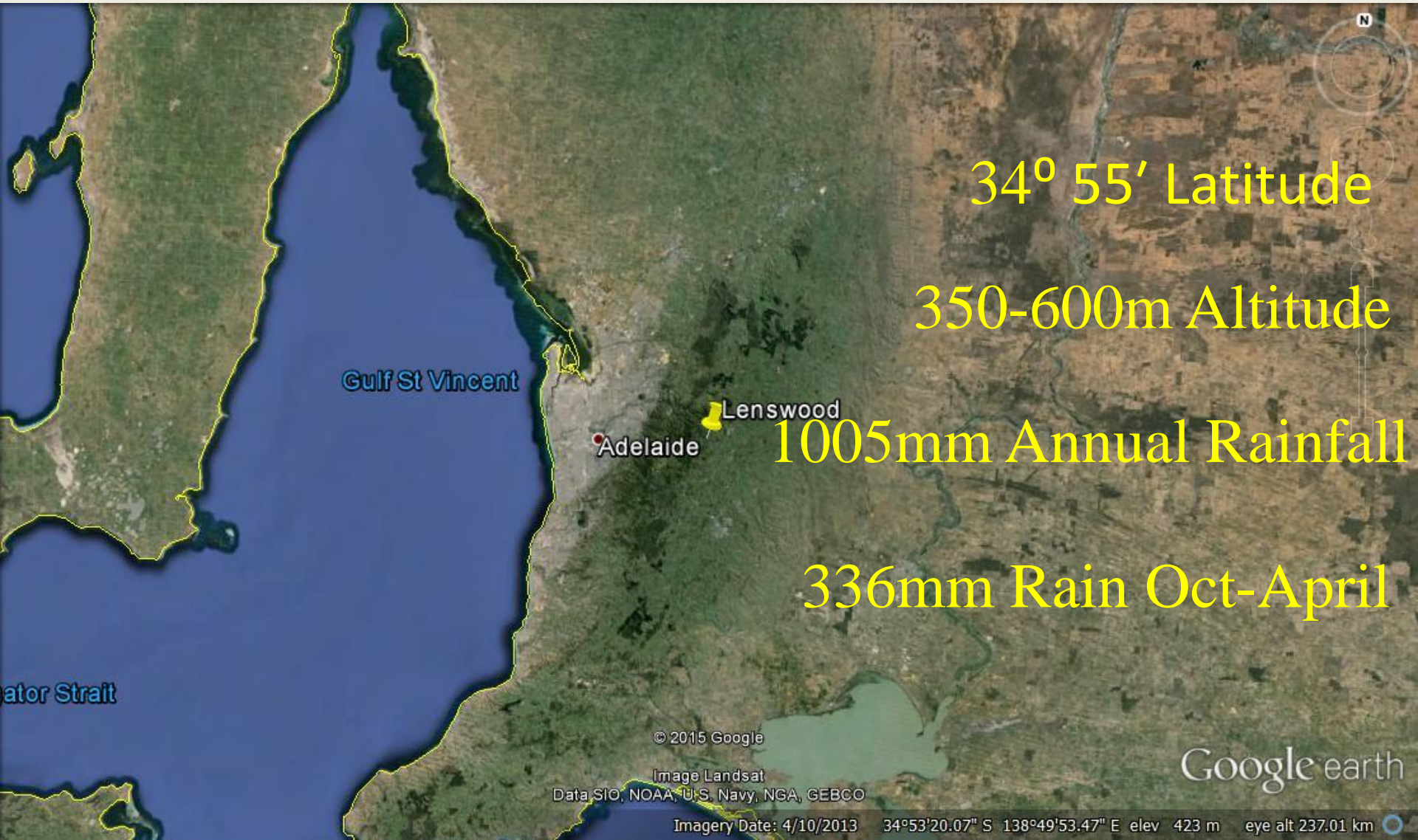
Blue Mountains

© 2015 Google

Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google Earth
Canberra

Imagery Date: 4/10/2013 31°08'13.93" S 138°33'25.51" E elev 166 m eye alt 1782.72 km



34° 55' Latitude

350-600m Altitude

1005mm Annual Rainfall

336mm Rain Oct-April

Gulf St Vincent

Adelaide

Lenswood

ator Strait

© 2015 Google

Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth

Imagery Date: 4/10/2013 34°53'20.07" S 138°49'53.47" E elev 423 m eye alt 237.01 km



Robert Green



Oakleigh Orchards

Cripps Pink V Rosy Glow On The Tree



Cripps Pink V Rosy Glow In The Bin



2013-2015 Results

Block	2013	2014	2015
Rosy Glow (17)	92t/ha 90% 185gms(75mm)	108t/ha 87% 170gms(73.5mm)	99t/ha 90%? 170gms (73.6mm)
Rosy Glow (2)	85t/ha 90% 185gms(75mm)	84t/ha 90% 185gms(75mm)	93t/ha 90%? 185 gms (75mm)

Rosy Glow Production

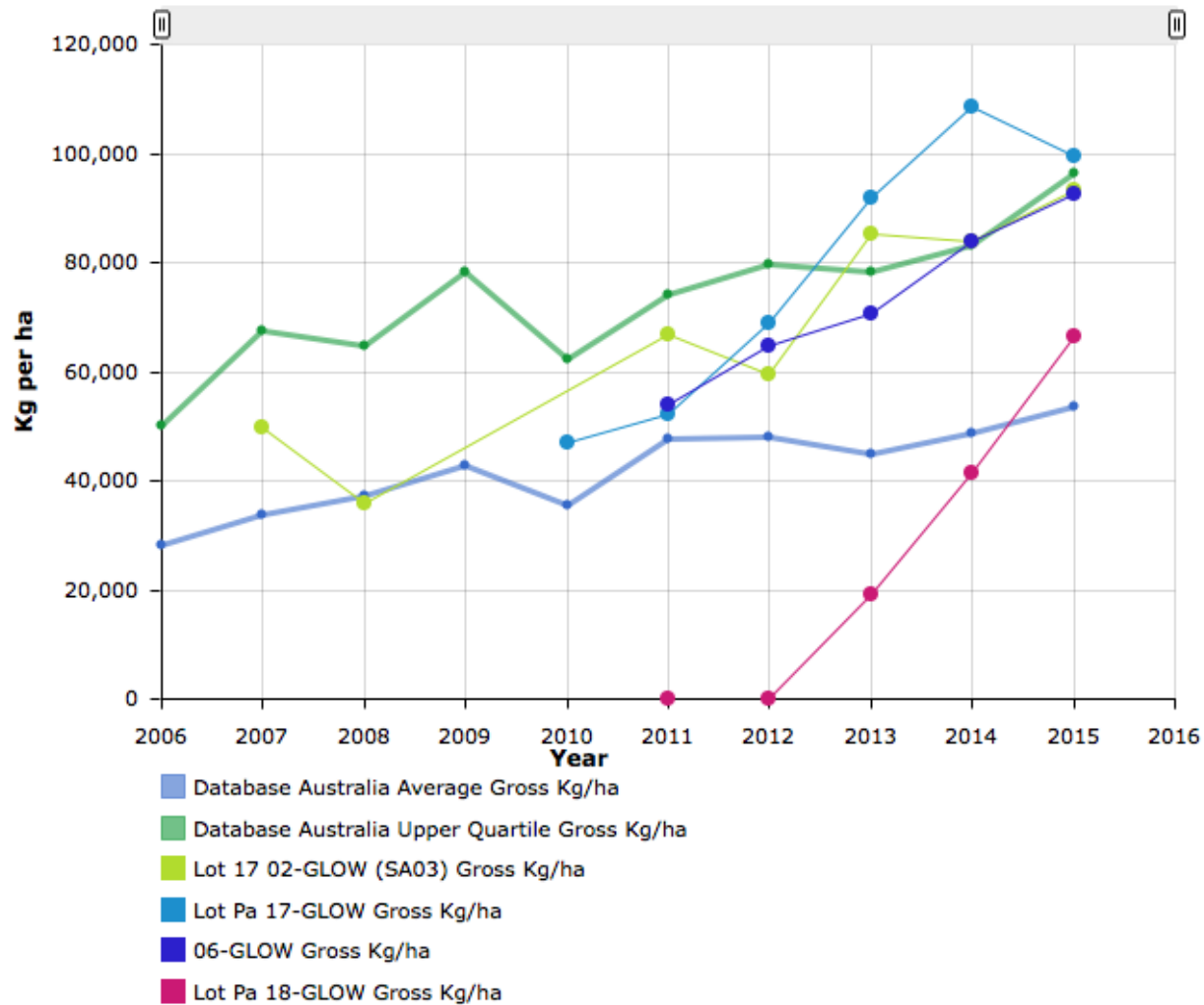
comparison: National , Type - Pink Lady

Oakleigh Orchard - all properties



● Round bullets indicate actual production. ■ Square bullets indicate estimated production.

chart by amcharts.com



2013



2014



2015









Block Set-Up

- Intensively planted 3D single row
- 3.5 x 1.0m
- M26 rootstock
- Planted 2003 (12 years 2015)
- Frost free site
- Dripper irrigation
- 10000m³ TRV canopy volume
- Tree height = 1.2x row width
- Straight well supported even trees
- Overhead Net installed 2011



Netting Design

- Apex is 4.5m high
- 1.2m screw anchors
- 65mm poles at end of row
- 50mm internal poles on 12m grid
- Apex wire & end frames 3.15mm
- Trellis wires 2.5mm



- Designed to fail system
- Controlled released
- 1st class ↑ 7-10%
- Yield ↑ 10-30%
- Protection from Birds, Sun Burn, Hail, Wind, Bats, Water saving,
- Less high temp Stress



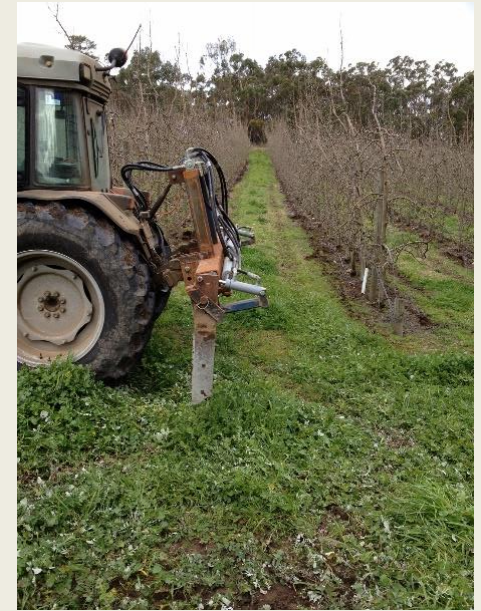
Your Number **1** Worst Enemy

Is tree vigour

Take No Prisoners with
your efforts to control it

Vigour Management?

- Root prune spring at green tip
- Both sides 350-400mm deep
- 300-350mm away from trunk
- Regalis 1.0kg/Ha at 10% bloom
- Regalis .75kg/Ha + 14 days
- 3 post bloom Ethrel720 at 100-200mls/ha



Result

- Lots of darts of 10-15cm in length each one with a strong terminal bud.

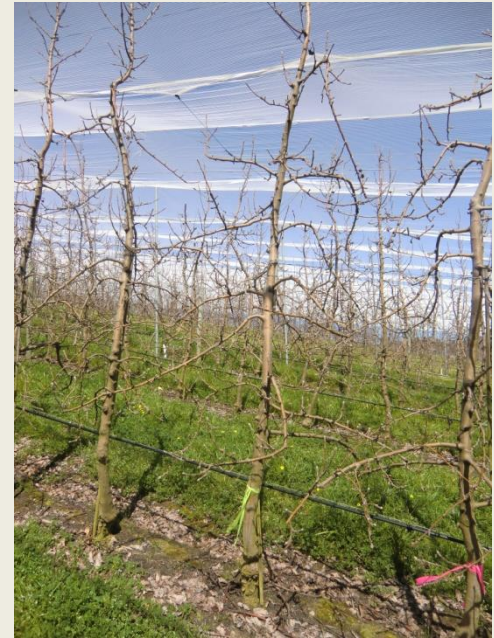






Pruning?

- Calm pendant fruit units
- Assisted by previous branch bending
- Minimal shortening
- Huge winter buds ~ precise water, nutrition and vigour management
- Pruned to 18-22 branches per tree and 1.5 buds per fruit



Thinning?

- Appropriate chemical thinning
- My boots are my best thinner
- Netting can affect fruit set
- Typically one Carbaryl to the tops only
- Rosy Glow thins much easier than Cripps Pink.
- Bottoms can easily be over thinned (I would prefer a tower sprayer)
- Hand thinning is typically 80-120 hrs /ha
- Target fruit no's are closely monitored
- Completed by Full Bloom +90 Days



Block 17 Thinning Report

Company: Oakleigh Orchard
 Property: Focus Orchard Blocks
 Production Site: PS1
 Block: Lot Pa 17-GLOW

Thinning Report Season Ending 2015



Blockname	Ssn	Type	Gross Kg/ha	Class1 Kg/ha	Fruit Harvested Weight (g)	Fruit /Tree	TCA Harvested Fruit /TCA	Tree Pickout %	Target Fruit/Tree post-thin	Actual Fruit/Tree pre-thin	Actual Fruit/Tree post-thin	
<u>Focus Orchard Blocks</u>												
PS1												
<u>Rosy Glow</u>												
Lot Pa 17-GLOW	2015	Est	110,000	99,000	175	218	-	-	95	230	-	-
		Act	99,400	89,459	172	201	-	-	93	-	-	215
	2014	Act	108,493	97,643	170	222	34.5	6.4	89	234	-	250
	2013	Act	91,949	84,593	180	178	28.9	6.1	101	187	250	176
	2012	Act	68,870	58,539	185	129	-	-	-	144	-	-

Weekly Fruit Growth Monitoring

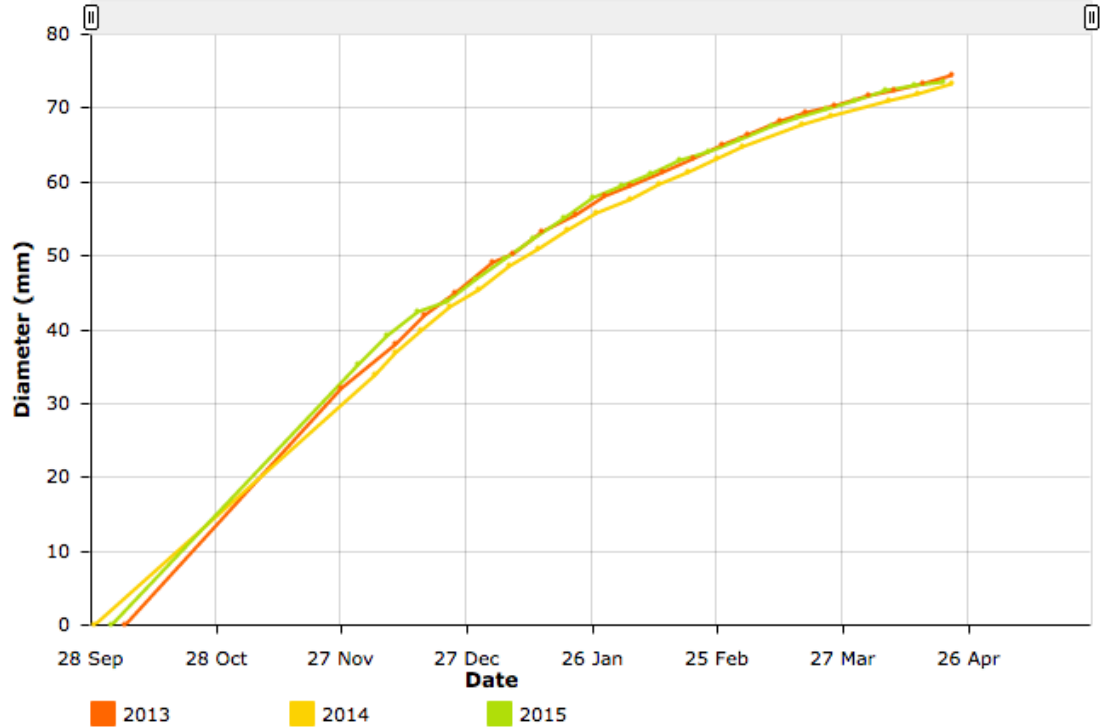
Fruit Size Report Lot Pa 17-GLOW



Fruit Size - Diameter (mm)

Year	Full Bloom Date	Harvest Date	Days Full Bloom to Harvest	Production (kg/ha)	Avg Fruit Weight (g)
2013	6 Oct 2012	28 Apr 2013	204	91,949	180 g
2014	29 Sep 2013	24 Apr 2014	207	108,493	170 g
2015	3 Oct 2014	21 Apr 2015	200	99,400	172 g

chart by amcharts.com



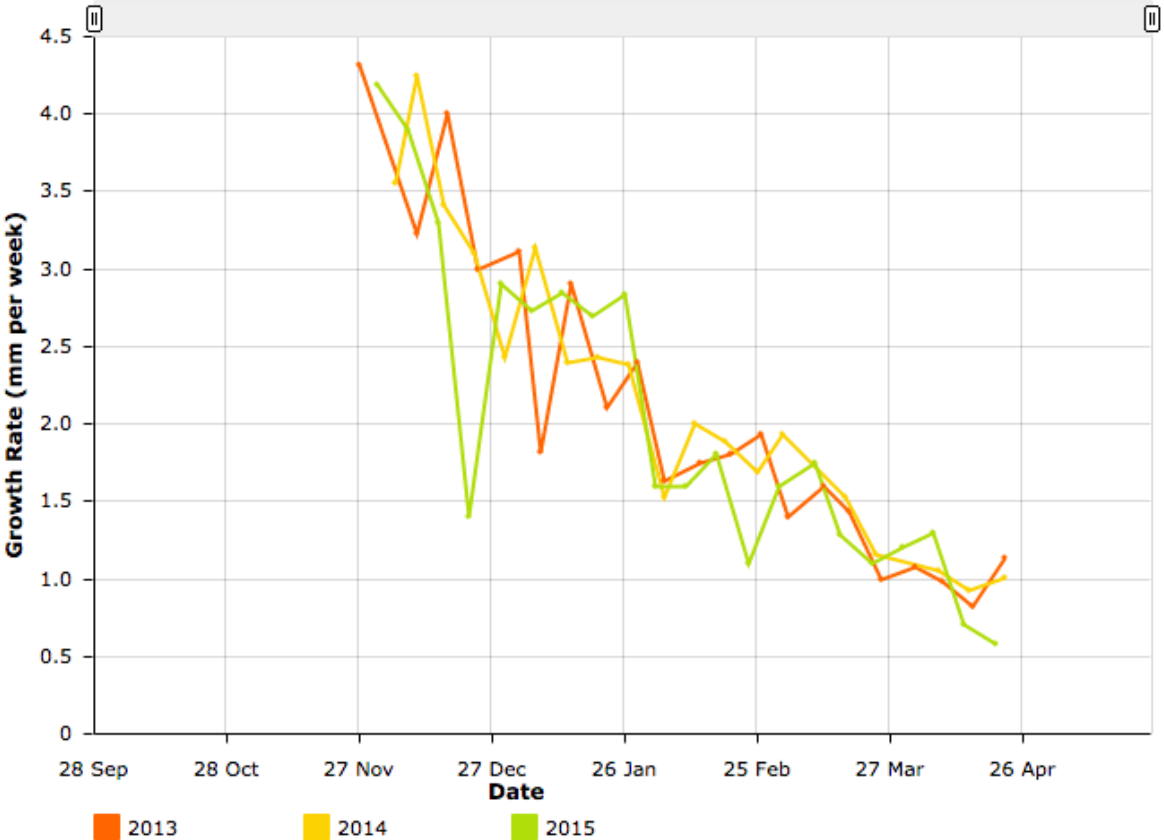
Weekly Fruit Growth Monitoring

Fruit Size Report Lot Pa 17-GLOW



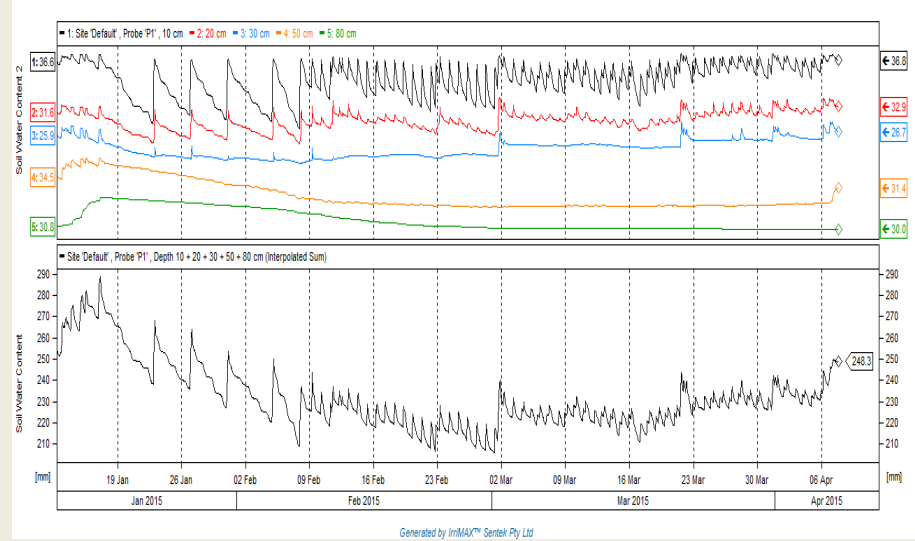
Fruit Growth Rate - mm per Week

chart by amcharts.com



Other Inputs

- Soil moisture monitoring
- Regular fertigation based on soil and leaf tests
- Extenday reflective mat 3-4 weeks before harvest



Harvest

- One Pick
22/4/15
- SPI 2.5-3 on a
6 point index
- Pressure 9.4kg
- Brix 14.6°
- 99t/ha
- 90% Class 1
- 172 gm
average



Maturity





Is 100t per ha possible
with high quality fruit?
Is it possible every year?

Absolutely

Acknowledgements



Ross Wilson



Paul James



Apple & Pear Australia Ltd



Horticulture Innovation Australia