

The Australian Pome Fruit Improvement Program® Ltd.

Variety Report 2017/18



**Hort
Innovation**
Strategic levy investment

**APPLE AND
PEAR FUND**



Australian Pome Fruit
Improvement Program Ltd

APFIP – your industry owned company

The Australian Pome Fruit Improvement Program Ltd. (APFIP) was established in 1997 by the Australian Apple and Pear Growers Association Inc. – which became Apple and Pear Australia Limited (APAL) in 2002 – for the benefit of the Australian apple and pear (pome fruit) industry.

APFIP is a not-for-profit company with a board of four directors working in the industry. The company is funded by commercial apple and pear grower levies along with a matching contribution from the Australian government via Hort Innovation. APFIP's main functions are to:

- provide certification of propagating material, varieties and rootstocks to help remove unknown viruses from plant germplasm.
- provide independent evaluation of new varieties.
- represent the apple and pear industry in Australian Quarantine and Inspection Service (AQIS) matters that relate to quarantine and the introduction of new varieties.

APFIP operates an independent, secure and efficient evaluation network, which encompasses most major temperate tree fruit growing regions of Australia. Effective evaluation is vital as it gives growers information to make balanced decisions on variety choice for their operations.

Facilitate and promote efficient quarantine services

Pome fruit budwood is classified as high security due to the risk of introducing fire blight and other exotic pests and diseases. This material can only enter the country through an AQIS accredited government operated post-entry quarantine station. A review of the pome fruit budwood protocols was completed in February 2002, which led to quarantine testing protocol changes resulting in a reduction of the post-entry quarantine time from four years to 15 months.

Multiplication of selected budwood and rootstocks

APFIP has established a new repository for its certified varieties and rootstocks near Cambridge in southern Tasmania. The site has access to ample water supplies and is isolated from the pome fruit production areas, the area has an ideal climate for the trueness to type assessment of heat-treated varieties and rootstocks.

Certification

APFIP certified nursery trees must meet three criteria; they test negative for viruses (apple stem grooving, apple stem pitting, apple mosaic and apple chlorotic leaf spot); are true to type; and satisfy minimum nursery tree standards.



This project was facilitated by Hort Innovation in partnership with APAL and is funded by the apple and pear levy. The Australian Government provides matching funding for Hort Innovation's R&D activities.

APFIP's registered certification trademark.

The benefits of certified propagating material were highlighted in an Australian research project from 1988 (L. Penrose et al) comparing the performance of three apple cultivars (Jonathon, Richared Delicious & Granny Smith) propagated using budwood and rootstocks from a virus-tested scheme and trees propagated from sources latently infected with viruses and a mycoplasma. Over a three-season period:

- Virus tested Jonathon trees out yielded infected trees by 56 per cent.
- Virus tested Richared Delicious out yielded infected trees by 40 per cent.
- Virus tested Granny Smith out yielded infected trees by 41 per cent.

Certified nursery trees are available through the following APFIP trademark licensees:

Olea Nursery	Mitcheldean Rd, West Manjimup, WA 6258	08 9772 1207
Tahune Fields Nursery	Lucaston Rd, Lucaston, Tas 7109	03 6266 4474
Tangarra Nursery	40 Pages Rd, Grove, Tas 7109	03 6266 4364
Hansen Orchards	Basin Road, Grove, Tas, 7109	03 6264 0200
Mount View Orchards	272 Old Tumbarumba Rd, Batlow, NSW 2730	02 6949 1765
Balhannah Nurseries	Coldstore Rd, Lenswood, SA 5240	08 8389 8600
Topstock Investments	Main Ridge, Red Hill, Sth Vic 3928	03 5989 6257
Little Tree Company	261 Hays Rd, Katunga, Vic 3640	0458 646 390
Galgate Nursery	386 Myrtle Ford/Stanley Rd, Stanley, Vic 3747	0418 335 928

Variety Reports – an explanation

This Variety Report outlines a selection of apple and pear reports available to growers on the APFIP website. The website is also a valuable source of information about varieties; industry news; and rootstocks, budwood and nursery tree certification. A sample Weather Report appears on page 27, outlining the data available for most Australian growing regions.

Many characteristics should be considered when assessing the potential of a new variety:

- Flowering and cropping;
- Tree characteristics;
- Fruit appearance;
- Eating qualities;
- Storage ability; and
- Disease rating.

APFIP's variety testing work provides real-time reports on characteristic observations and are available on the APFIP website – a small sample of these are listed in this document.

Variety data reports

A variety data report can be reviewed individually, collectively, or in combinations of rootstock, growing region and season. Reports are generated in the following formats:

Variety character report

Comprehensive groupings of variety characteristics on an individual page. These reports show the sum of all data taken from a site(s) presented against listed data fields.

Summary report

An abbreviated selection of data taken from a site. Not all data fields are represented, however, data listed on summary reports will show either:

- Percentages based on all data against check boxes; or
- Percentages based on high, average, low lodgements of data in data fields.

Ratings outline the highest and lowest measured data and an average of all data. Numbers in brackets () listed next to data field listings are the total number of inputs in this particular data field.

Disease rating report

A summary of data on pests/diseases/disorders observed on a variety. They don't necessarily show a variety's propensity to disease unless consistent and frequent observations are made and supported by spray/weather records.

Media report

Including some graphs and photos these reports give an overview of a variety's performance.

Photographs

Available in high, medium or low resolution the images can be viewed or downloaded online.

Definitions of some selected data fields

Some fields are best estimated based on an observer's experience *i.e. shelf life, overall eating rating, overall fruit appearance*. Observers are trained for consistency and follow strict procedures to record appropriate growth and maturity periods.

Measurements

Both fruit length and width are measured in millimetres (mm) where a fruit is measured by diameter, longitudinally and latitudinally respectively. Fruit pressure is measured by a penetrometer in kg/m³ – using an 8mm tip for pears, and an 11mm tip for apples. Total Soluble Solids (%) is measured in degrees brix by a refractometer. One-year shoot diameter is measured 10mm from initial point of one-year growth. Average tray count is based upon the Australian Standard 12kg tray pack carton. Gram weights for fruit packed in a 12kg carton are the same for an 18kg carton.

Carton tray count conversion table:

12kg 3-layer	Minimum	18kg 3-layer
Tray-pack carton count size	Gram weight	Tray-pack carton count size
45	250	60
53	225	70
60	200	80
68	180	90
75	163	100
83	150	110
90	120	165
108	105	180

Important notes

These reports are live and are updated daily, so data will change regularly. Low numbers of data entries per field may reduce the accuracy of reports and skew percentages. Sample size must be large enough to build a reasonable variety profile. APFIP reports cannot be edited by unauthorised persons and can only be published in an unedited format. All APFIP variety reports are the result of at least three years (seasons) of data collection.

Variety reports are available for the following varieties at www.apfip.com.au:

Apples: Caudle, Fiero, Fuji Naga Fu2&6, Gala T F & Royal, Golden Delicious, Cripps Pink, Rubinstar, Sunrise, Nova, Svatava, Topaz, Sansa, Myra, Snyder and Crimson Snow. **Pears:** Bittura Precoce Morettini, Eldorado, Howell, Rogue Red and Red Clapps.

Variety Reports – how to read them

Report type

The evaluation database produces a report based on: variety; rootstock; region; and season.

Please note: all recorded rootstocks, regions and seasons can be selected.

Fruit size

Average fruit size and weight is calculated from the data recorded for the selection criteria. Average tray count is based upon the Australian standard 12kg tray pack carton. Gram weights for fruit packed in a 12kg carton are the same for an 18kg carton. A carton tray count conversion table is listed on page three of this report.

Total Soluble Solids (TSS) and fruit pressure

Testing is done post-harvest using a refractometer to determine degrees brix. The fruit is also pressure resistance tested using a penetrometer (11mm for apples and 8mm for pears). These data fields are displayed with average, highest and lowest values.

Tree growth characteristics

Tree vigour

Characteristics are expressed as a percentage of records made against the available data fields:

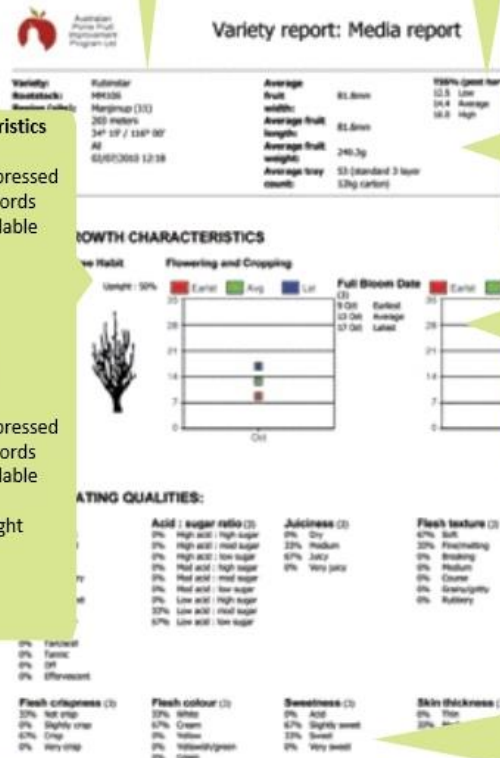
- Weak
- Medium
- Strong
- Very strong

Tree habit

Characteristics are expressed as a percentage of records made against the available data fields:

- Strongly upright
- Upright
- Spreading
- Weeping

Variety report: Media report



Flowering and cropping

The graphs show the median date of full bloom and the earliest and latest bloom dates recorded. Date of harvest is shown similarly.

(x axis = month, y axis = date)

Fruit eating qualities

Data collectors and tasting panels assess eating qualities according to flavour, juiciness, sweetness, crispness and texture (fruit flesh). The report records the two highest percentages of each characteristic.

In this example, 'rich' was recorded for flavour in all records (100 per cent), but 'bland' was also recorded on 33 per cent of samples.

In the data fields for juiciness, 'medium' (moderately juicy) was rated in 17 per cent of records and 'juicy' in 67 per cent of records.

Sweetness, crispness and texture follow the same pattern.

Colours within the graph represent different characteristics and highlight percentage records.

Fruit appearance

Over colour/Background colour

Shown as a percentage, records taken with appropriate colour displayed. Multiple colours may be displayed showing alternative data fields.

Fruit shape

The graphic shows the fruit shape, which represents highest percentage of records taken for this variety.


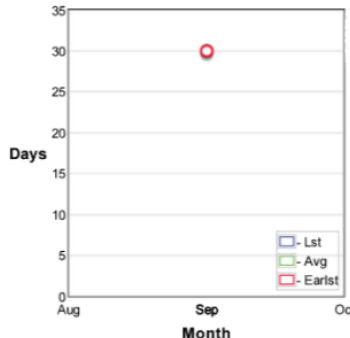
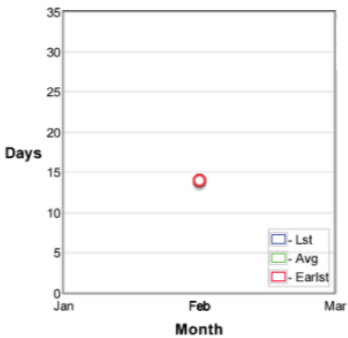
Photographs

Each report has three photo views, these are:






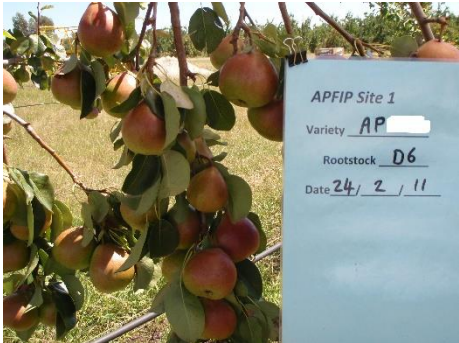

- Fruit internal
- Fruit on template
- Fruit on tree

These photos show the latest shots taken within the selection criteria.


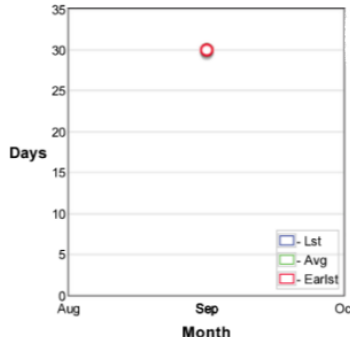
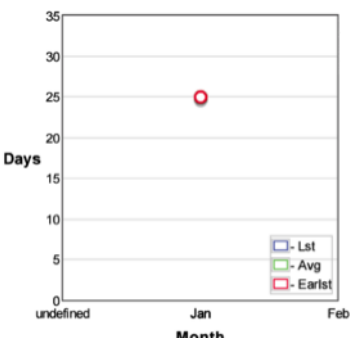
Variety report – F11-82/ANP-118

Variety report: Media report			
Variety: F11-82/ANP-118 Rootstock: Quince A Region (site): 1 – Mooroopna North Elevation: 187 M Lat/Long: 36° 18' / 145° 36' Season: 2010/11 Report date: 20/04/2015 10:50		Average fruit width: 60.1mm Average fruit length: 60.9mm Average fruit weight: 168.5g Average tray count: 75 <i>*standard three layer 12kg carton</i>	
		TSS% (post-harvest) (10) 10.3 Low 11.0 Average 11.9 High	Pressure (post-harvest) (10) Kg/m3 5.1 Low 5.5 Average 5.8 High
Tree growth characteristics			
Tree vigour Weak: 100% Medium: 0% Strong: 0% Very strong: 0% Tree habit Spreading: 100%	Flowering and cropping Full bloom date (1) 30 Sep Earliest 30 Sep Average 30 Sep Latest	Harvest date (1) 14 Feb Earliest 14 Feb Average 14 Feb Latest	
			
Fruit eating qualities			
Flavour (1) 0% Aromatic 0% Balanced 0% Bitter 0% Bland 0% Chalky/dry 0% Florally 0% Rich/sweet 0% Spicy 100% Sprightly 0% Starchy 0% Tart/acid 0% Tannic 0% Off 0% Effervescent	Acid: sugar ratio (1) 0% High acid : high sugar 0% High acid : mod sugar 0% High acid : low sugar 0% Mod acid : high sugar 100% Mod acid: mod sugar 0% Mod acid : low sugar 0% Low acid : high sugar 0% Low acid : mod sugar 0% Low acid : low sugar	Juciness (1) 0% Dry 0% Medium 100% Juicy 0% Very juicy	Flesh texture (1) 0% Soft 0% Fine/melting 0% Breaking 100% Medium 0% Course 0% Grainy/gritty 0% Rubbery
Flesh crispness (1) 0% Not crisp 0% Slightly crisp 100% Crisp 0% Very crisp	Flesh colour (1) 0% White 0% Cream 0% Yellow 100% Yellowish/green 0% Green	Sweetness (1) 0% Acid 100% Slightly sweet 0% Sweet 0% Very sweet	Skin thickness (1) 0% Thin 100% Medium 0% Thick
Continued...			

Variety report – F11-82/ANP-118

Fruit appearance		
Over colour	Background colour	Fruit shape
	0% Cream	0% Flat
	0% Yellow	
	0% Yellowish/green	
	100% Green	
		 Flat
Photographs		
Internal photo	External photo	Fruit on tree photo
		
		

Variety report – C31-42/ANP-131

Variety report: Media report			
Variety: C31-42/ANP-131 Rootstock: D6 Region (site): 1 – Mooroopna North Elevation: 187 M Lat/Long: 36° 18' / 145° 36' Season: 2010/11 Report date: 20/04/2015 10:53		Average fruit width: 59.4mm Average fruit length: 67.5mm Average fruit weight: 114.0g Average tray count: 108 <i>*standard three layer 12kg carton</i>	
		TSS% (post-harvest) (10) 11.9 Low 12.3 Average 12.7 High	Pressure (post-harvest) (10) Kg/m3 4.0 Low 4.3 Average 4.6 High
Tree growth characteristics			
Tree vigour Weak: 0% Medium: 100% Strong: 0% Very strong: 0% Tree habit Spreading: 100%	Flowering and cropping Full bloom date (1) 30 Sep Earliest 30 Sep Average 30 Sep Latest	Harvest date (1) 25 Jan Earliest 25 Jan Average 25 Jan Latest	
			
Fruit eating qualities			
Flavour (1) 100% Aromatic 0% Balanced 0% Bitter 0% Bland 0% Chalky/dry 0% Florally 0% Rich/sweet 0% Spicy 0% Sprightly 0% Starchy 0% Tart/acid 0% Tannic 0% Off 0% Effervescent	Acid: sugar ratio (1) 0% High acid : high sugar 0% High acid : mod sugar 0% High acid : low sugar 0% Mod acid : high sugar 100% Mod acid: mod sugar 0% Mod acid : low sugar 0% Low acid : high sugar 0% Low acid : mod sugar 0% Low acid : low sugar	Juciness (1) 0% Dry 0% Medium 0% Juicy 100% Very juicy	Flesh texture (1) 0% Soft 0% Fine/melting 0% Breaking 100% Medium 0% Course 0% Grainy/gritty 0% Rubbery
Flesh crispness (1) 0% Not crisp 0% Slightly crisp 0% Crisp 100% Very crisp	Flesh colour (1) 100% White 0% Cream 0% Yellow 0% Yellowish/green 0% Green	Sweetness (1) 0% Acid 100% Slightly sweet 0% Sweet 0% Very sweet	Skin thickness (1) 100% Thin 0% Medium 0% Thick
Continued...			

Variety report – C31-42/ANP-131

Fruit appearance

Over colour

Background colour

0% Cream

0% Yellow

0% Yellowish/green


100% Green

Fruit shape

0% Flat








Flat

Photographs

Internal photo




VARIETY: AP

SITE NO.: 1

DATE: 25-1-11

ROOTSTOCK: D6

External photo



VARIETY: AP

SITE NO.: 1


DATE: 25-1-11

ROOTSTOCK: D6

Fruit on tree photo



APFIP Site 1
Variety AP
Rootstock D6
Date 18/1/11



VARIETY: AP


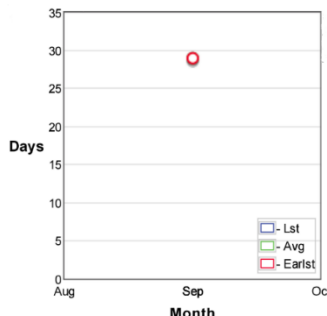
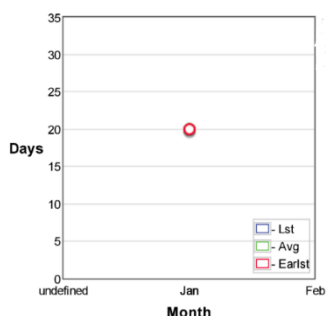
SITE NO.: 1

DATE: 25-1-11

ROOTSTOCK: D6

8

Variety report – A160R02T017

Variety report: Media report			
Variety: A160R02T017	Average fruit width: 73.7mm	TSS% (post-harvest) (10)	Pressure (post-harvest) (10)
Rootstock: M26	Average fruit length: 64.5mm	13.2 Low	Kg/m3
Region (site): 1 – Mooroopna North	Average fruit weight: 175.2g	14.2 Average	8.6 Low
Elevation: 187 M	Average tray count: 75	14.9 High	9.5 Average
Lat/Long: 36° 18' / 145° 36'	<i>*standard three layer 12kg carton</i>		10.5 High
Season: 2011/12			
Report date: 20/04/2015 10:37			
Tree growth characteristics			
Tree vigour	Flowering and cropping	Harvest date (1)	
Weak: 100%	Full bloom date (1)	15 Feb Earliest	
Medium: 0%	8 Oct Earliest	15 Feb Average	
Strong: 0%	8 Oct Average	15 Feb Latest	
Very strong: 0%	8 Oct Latest		
Tree habit			
Spreading: 100%			
			
Fruit eating qualities			
Flavour (1)	Acid: sugar ratio (1)	Juciness (1)	Flesh texture (1)
0% Aromatic	0% High acid : high sugar	0% Dry	0% Soft
0% Balanced	100% High acid : mod sugar	0% Medium	0% Fine/melting
0% Bitter	0% High acid : low sugar	100% Juicy	0% Breaking
0% Bland	0% Mod acid : high sugar	0% Very juicy	100% Medium
0% Chalky/dry	0% Mod acid: mod sugar		0% Course
0% Florally	0% Mod acid : low sugar		0% Grainy/gritty
0% Rich/sweet	0% Low acid : high sugar		0% Rubbery
0% Spicy	0% Low acid : mod sugar		
100% Sprightly	100% Low acid : low sugar		
0% Starchy			
0% Tart/acid			
0% Tannic			
0% Off			
0% Effervescent			
Flesh crispness (1)	Flesh colour (1)	Sweetness (1)	Skin thickness (1)
0% Not crisp	0% White	0% Acid	100% Thin
0% Slightly crisp	100% Cream	0% Slightly sweet	0% Medium
0% Crisp	0% Yellow	100% Sweet	0% Thick
100% Very crisp	0% Yellowish/green	0% Very sweet	
	0% Green		
Continued...			

Variety report – A160R02T017

Fruit appearance

Over colour



Background colour

0% Cream
100% Yellow
0% Yellowish/green
0% Green



Fruit shape

100% Flat



Round

Photographs

Internal photo




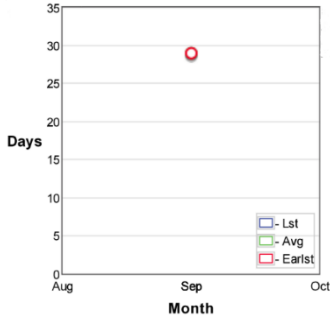
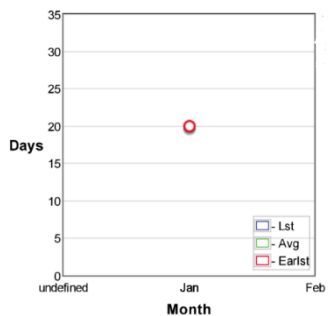
External photo



Fruit on tree photo



Variety report – A160R02T017

Variety report: Media report			
Variety: A160R02T017	Average fruit width: 67.7mm	TSS% (post-harvest) (10)	Pressure (post-harvest) (10)
Rootstock: M26	Average fruit length: 59.5mm	14.4 Low	Kg/m3
Region (site): 8 – Pozieres	Average fruit weight: 143.4g	15.8 Average	9.1 Low
Elevation: 932 M	Average tray count: 90	16.7 High	10.3 Average
Lat/Long: 28° 31' / 151° 52'	<i>*standard three layer 12kg carton</i>		12.1 High
Season: 2011/12			
Report date: 20/04/2015 10:28			
Tree growth characteristics			
Tree vigour	Flowering and cropping	Harvest date (1)	
Weak: 0%	Full bloom date (1)	20 Jan Earliest	
Medium: 100%	29 Sep Earliest	20 Jan Average	
Strong: 0%	29 Sep Average	20 Jan Latest	
Very strong: 0%	29 Sep Latest		
Tree habit			
Upright: 100%			
			
Fruit eating qualities			
Flavour (1)	Acid: sugar ratio (1)	Juciness (1)	Flesh texture (1)
0% Aromatic	0% High acid : high sugar	0% Dry	0% Soft
100% Balanced	0% High acid : mod sugar	100% Medium	0% Fine/melting
0% Bitter	0% High acid : low sugar	0% Juicy	100% Breaking
0% Bland	0% Mod acid : high sugar	0% Very juicy	0% Medium
0% Chalky/dry	100% Mod acid: mod sugar		0% Course
0% Florally	0% Mod acid : low sugar		0% Grainy/gritty
0% Rich/sweet	0% Low acid : high sugar		0% Rubbery
0% Spicy	0% Low acid : mod sugar		
0% Sprightly	0% Low acid : low sugar		
0% Starchy			
0% Tart/acid			
0% Tannic			
0% Off			
0% Effervescent			
Flesh crispness (1)	Flesh colour (1)	Sweetness (1)	Skin thickness (1)
0% Not crisp	0% White	0% Acid	0% Thin
0% Slightly crisp	100% Cream	100% Slightly sweet	100% Medium
100% Crisp	0% Yellow	0% Sweet	0% Thick
0% Very crisp	0% Yellowish/green	0% Very sweet	
	0% Green		
Continued...			

Variety report – A160R02T017

Fruit appearance

Over colour



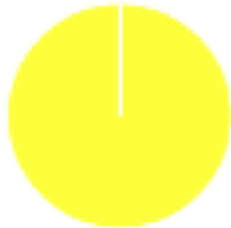
Background colour

0% Cream

100% Yellow

0% Yellowish/green

0% Green



Fruit shape

100% Flat-round



Flat - round

Photographs

Internal photo




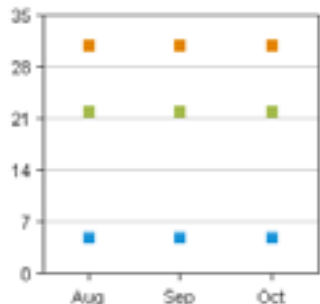
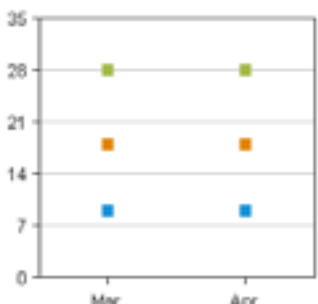
External photo



Fruit on tree photo



Variety report – RS103-130 (Kalei)

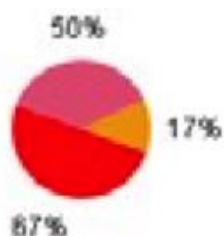
Variety report: Media report			
Variety: RS103-130 (Kalei)	Average fruit width: 73.8mm	TSS% (post-harvest) (10)	Pressure (post-harvest) (10)
Rootstock: MM106	Average fruit length: 65.4mm	12.0 Low	Kg/m3
Region (site): 1 – Goulburn Valley	Average fruit weight: 187.4g	15.9 Average	8.2 Low
Elevation: 187 M	Average tray count: 68	19.6 High	9.8 Average
Lat/Long: 36° 18' / 145° 36'	<i>*standard three layer 12kg carton</i>		11.9 High
Season: All			
Report date: 13/03/2012 11:42			
Tree growth characteristics			
Tree vigour	Flowering and cropping	Harvest date (1)	
Weak: 0%	Full bloom date (1)	18 Mar Earliest	
Medium: 33%	31 Aug Earliest	28 Mar Average	
Strong: 50%	22 Sep Average	9 Apr Latest	
Very strong: 17%	5 Oct Latest		
Tree habit			
Spreading: 100%			
			
Fruit eating qualities			
Flavour (6)	Acid: sugar ratio (6)	Juciness (6)	Flesh texture (6)
0% Aromatic	17% High acid : high sugar	0% Dry	0% Soft
33% Balanced	0% High acid : mod sugar	50% Medium	0% Fine/melting
0% Bitter	0% High acid : low sugar	33% Juicy	0% Breaking
0% Bland	0% Mod acid : high sugar	17% Very juicy	83% Medium
0% Chalky/dry	33% Mod acid: mod sugar		17% Course
0% Florally	0% Mod acid : low sugar		0% Grainy/gritty
50% Rich/sweet	0% Low acid : high sugar		0% Rubbery
0% Spicy	17% Low acid : mod sugar		
17% Sprightly	33% Low acid : low sugar		
17% Starchy			
0% Tart/acid			
0% Tannic			
0% Off			
0% Effervescent			
Flesh crispness (6)	Flesh colour (6)	Sweetness (6)	Skin thickness (6)
0% Not crisp	0% White	0% Acid	17% Thin
0% Slightly crisp	33% Cream	33% Slightly sweet	67% Medium
17% Crisp	17% Yellow	33% Sweet	17% Thick
83% Very crisp	50% Yellowish/green	33% Very sweet	
	0% Green		
Continued...			

Continued...

Variety report – RS103-130 (Kalei)

Fruit appearance

Over colour



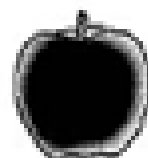
Background colour

0% Cream
0% Yellow
33.3% Yellowish/green
66.6% Green



Fruit shape

67% Round conical



Round - conical

Photographs

Internal photo




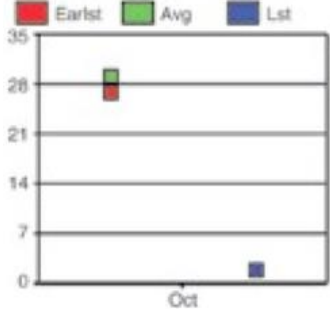
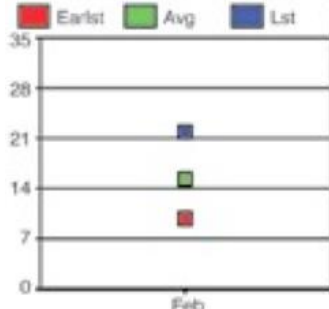
External photo



Fruit on tree photo



Variety report – Fiero® apple

Variety report: Media report			
Variety: Fiero Rootstock: M26 Region (site): 8 – Stanthorpe Elevation: 932 M Lat/Long: 28° 31' / 151° 52' Season: All Report date: 02/07/2010 12:38	Average fruit width: 79.7mm Average fruit length: 65.9mm Average fruit weight: 213.0g Average tray count: 60 <i>*standard three layer 12kg carton</i>	TSS% (post-harvest) (10) 13.1 Low 14.4 Average 16.6 High	Pressure (post-harvest) (10) Kg/m3 6.3 Low 7.4 Average 9.6 High
Tree growth characteristics			
Tree vigour Weak: 40% Medium: 60% Strong: 0% Very strong: 0%	Flowering and cropping Full bloom date (1) 27 Sep Earliest 29 Sep Average 2 Oct Latest	Harvest date (1) 10 Feb Earliest 15 Feb Average 22 Feb Latest	
Tree habit Upright: 100%			
Fruit eating qualities			
Flavour (5) 0% Aromatic 50% Balanced 0% Bitter 0% Bland 0% Chalky/dry 0% Florally 33% Rich/sweet 0% Spicy 17% Sprightly 0% Starchy 0% Tart/acid 0% Tannic 0% Off 17% Effervescent	Acid: sugar ratio (6) 0% High acid : high sugar 0% High acid : mod sugar 0% High acid : low sugar 17% Mod acid : high sugar 50% Mod acid: mod sugar 0% Mod acid : low sugar 17% Low acid : high sugar 17% Low acid : mod sugar 0% Low acid : low sugar	Juciness (6) 0% Dry 17% Medium 67% Juicy 17% Very juicy	Flesh texture (6) 0% Soft 67% Fine/melting 17% Breaking 0% Medium 17% Course 0% Grainy/gritty 0% Rubbery
Flesh crispness (6) 0% Not crisp 17% Slightly crisp 83% Crisp 0% Very crisp	Flesh colour (6) 33% White 33% Cream 33% Yellow 0% Yellowish/green 0% Green	Sweetness (6) 0% Acid 50% Slightly sweet 33% Sweet 17% Very sweet	Skin thickness (6) 33% Thin 67% Medium 0% Thick
Continued...			

Variety report – Fiero® apple

Fruit appearance

Over colour

Background colour

20% Cream
0% Yellow
20% Yellowish/green
0% Green

Fruit shape

40% Round



Photographs

Internal photo




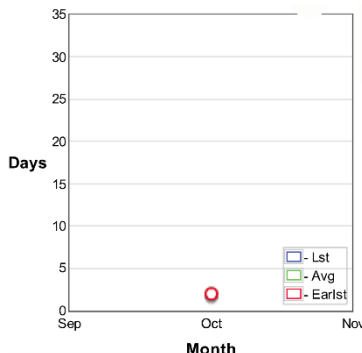
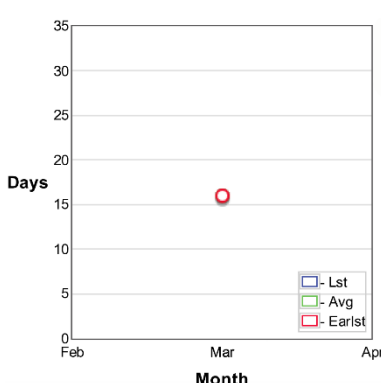
External photo



Fruit on tree photo



Variety report – ANABP01; Stanthorpe

Variety report: Media report			
Variety: ST 808.15	Average fruit width: 79.7mm	TSS% (post-harvest) (10)	Pressure (post-harvest) (10)
Rootstock: All	Average fruit length: 65.8mm	11.5 Low	Kg/m3
Region (site): 8 – Pozieres	Average fruit weight: 212.0g	12.1 Average	7.7 Low
Elevation: 932 M	Average tray count: 60	12.6 High	8.3 Average
Lat/Long: 28° 31' / 151° 52'	<i>*standard three layer 12kg carton</i>		9.2 High
Season: 2011/12			
Report date: 03/05/2018 14:34			
Tree growth characteristics			
Tree vigour	Flowering and cropping	Harvest date (1)	
Weak: 0%	Full bloom date (1)	16 Mar Earliest	
Medium: 100%	2 Oct Earliest	16 Mar Average	
Strong: 0%	2 Oct Average	16 Mar Latest	
Very strong: 0%	2 Oct Latest		
Tree habit			
Spreading: 100%			
			
Fruit eating qualities			
Flavour (1)	Acid: sugar ratio (1)	Juciness (1)	Flesh texture (1)
0% Aromatic	0% High acid : high sugar	0% Dry	0% Soft
100% Balanced	0% High acid : mod sugar	0% Medium	0% Fine/melting
0% Bitter	0% High acid : low sugar	100% Juicy	100% Breaking
0% Bland	0% Mod acid : high sugar	0% Very juicy	0% Medium
0% Chalky/dry	0% Mod acid: mod sugar		0% Course
0% Florally	0% Mod acid : low sugar		0% Grainy/gritty
33% Rich/sweet	0% Low acid : high sugar		0% Rubbery
0% Spicy	0% Low acid : mod sugar		
0% Sprightly	100% Low acid : low sugar		
0% Starchy			
0% Tart/acid			
0% Tannic			
0% Off			
0% Effervescent			
Flesh crispness (1)	Flesh colour (1)	Sweetness (1)	Skin thickness (1)
0% Not crisp	100% White	0% Acid	0% Thin
0% Slightly crisp	0% Cream	0% Slightly sweet	100% Medium
100% Crisp	0% Yellow	100% Sweet	0% Thick
0% Very crisp	0% Yellowish/green	0% Very sweet	
	0% Green		
Continued...			

Variety report – ANABP01; Stanthorpe

Fruit appearance

Over colour



Background colour

0% Cream
0% Yellow
0% Yellowish/green
100% Green



Fruit shape

100% Round-conical



Round - conical

Photographs

Internal photo




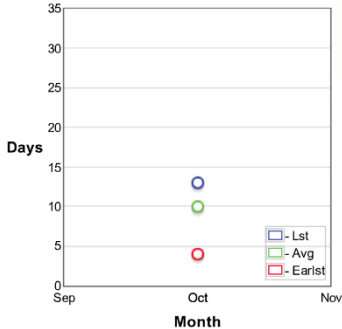
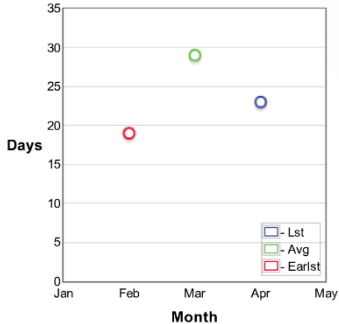
External photo



Fruit on tree photo



Variety report – ANABP01; Batlow

Variety report: Media report			
Variety: ST 808.15 Rootstock: M26 Region (site): 15 – Batlow No. 2 Elevation: 808 M Lat/Long: 35° 29' / 148° 09' Season: All Report date: 04/05/2016 14:18	Average fruit width: 74.1mm Average fruit length: 64.6mm Average fruit weight: 181.0g Average tray count: 68 <i>*standard three layer 12kg carton</i>	TSS% (post-harvest) (10) 9.9 Low 13.7 Average 17.7 High	Pressure (post-harvest) (10) Kg/m3 7.3 Low 9.0 Average 11.1 High
Tree growth characteristics			
Tree vigour Weak: 0% Medium: 62.5% Strong: 37.5% Very strong: 0%	Flowering and cropping Full bloom date (1) 4 Oct Earliest 10 Oct Average 13 Oct Latest	Harvest date (1) 19 Feb Earliest 29 Mar Average 23 Apr Latest	
Tree habit Spreading: 62.5%			
Fruit eating qualities			
Flavour (8) 0% Aromatic 25% Balanced 0% Bitter 13% Bland 0% Chalky/dry 63% Florally 13% Rich/sweet 0% Spicy 0% Sprightly 0% Starchy 13% Tart/acid 0% Tannic 0% Off 0% Effervescent	Acid: sugar ratio (8) 0% High acid : high sugar 0% High acid : mod sugar 13% High acid : low sugar 0% Mod acid : high sugar 38% Mod acid: mod sugar 0% Mod acid : low sugar 0% Low acid : high sugar 50% Low acid : mod sugar 100% Low acid : low sugar	Juciness (8) 0% Dry 75% Medium 25% Juicy 0% Very juicy	Flesh texture (8) 0% Soft 0% Fine/melting 88% Breaking 13% Medium 0% Course 0% Grainy/gritty 0% Rubbery
Flesh crispness (8) 0% Not crisp 0% Slightly crisp 100% Crisp 0% Very crisp	Flesh colour (8) 25% White 38% Cream 25% Yellow 0% Yellowish/green 13% Green	Sweetness (8) 0% Acid 63% Slightly sweet 25% Sweet 13% Very sweet	Skin thickness (8) 0% Thin 100% Medium 0% Thick
Continued...			

Variety report – ANABP01; Batlow

Fruit appearance

Over colour

Background colour

Fruit shape


25% Cream


12.5% Yellow


0% Yellowish/green

62.5% Green

75% Flat - round








Flat - round


Photographs


Internal photo


External photo

Fruit on tree photo




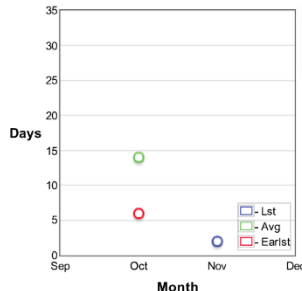
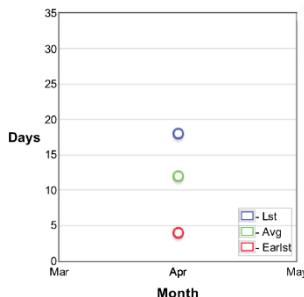






20

Variety report – ANABP01; Huon

Variety report: Media report			
Variety: ST 808.15 Rootstock: M26 Region (site): 14 – Huon Valley No. 2 Elevation: 24 M Lat/Long: 43° 01' / 146° 58' Season: All Report date: 04/05/2016 14:20	Average fruit width: 78.6mm Average fruit length: 64.6mm Average fruit weight: 220.0g Average tray count: 60 <i>*standard three layer 12kg carton</i>	TSS% (post-harvest) (10) 13.0 Low 14.4 Average 17.0 High	Pressure (post-harvest) (10) Kg/m3 8.5 Low 9.7 Average 11.0 High
Tree growth characteristics			
Tree vigour Weak: 25% Medium: 75% Strong: 0% Very strong: 0% Tree habit Spreading: 75%	Flowering and cropping Full bloom date (1) 6 Oct Earliest 14 Oct Average 2 Nov Latest	Harvest date (1) 4 Apr Earliest 12 Apr Average 18 Apr Latest	
			
Fruit eating qualities			
Flavour (4) 75% Aromatic 0% Balanced 25% Bitter 0% Bland 0% Chalky/dry 50% Florally 25% Rich/sweet 0% Spicy 0% Sprightly 0% Starchy 0% Tart/acid 0% Tannic 25% Off 0% Effervescent	Acid: sugar ratio (4) 0% High acid : high sugar 0% High acid : mod sugar 25% High acid : low sugar 0% Mod acid : high sugar 50% Mod acid: mod sugar 0% Mod acid : low sugar 0% Low acid : high sugar 25% Low acid : mod sugar 100% Low acid : low sugar	Juciness (4) 0% Dry 0% Medium 100% Juicy 0% Very juicy	Flesh texture (4) 0% Soft 0% Fine/melting 0% Breaking 100% Medium 0% Course 0% Grainy/gritty 0% Rubbery
Flesh crispness (4) 0% Not crisp 75% Slightly crisp 25% Crisp 0% Very crisp	Flesh colour (4) 50% White 25% Cream 0% Yellow 0% Yellowish/green 25% Green	Sweetness (4) 0% Acid 0% Slightly sweet 100% Sweet 0% Very sweet	Skin thickness (4) 25% Thin 75% Medium 0% Thick
Continued...			

Variety report – ANABP01; Huon

Fruit appearance

Over colour

Background colour

50% Cream

25% Yellow

25% Yellowish/green

0% Green

Fruit shape

25% Flat - round

Photographs

Internal photo

External photo

Fruit on tree photo

AP: [redacted] 14

16/4/13 M26

Site 14


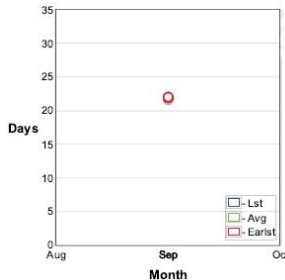
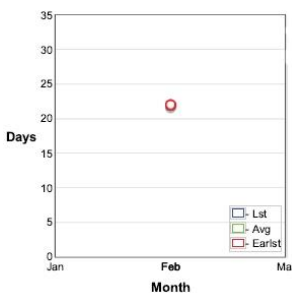
[redacted]

M26







16/4/08

22


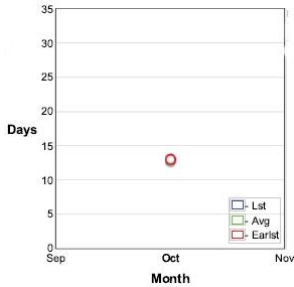
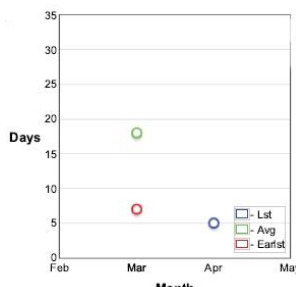
Variety report – RS103-110: Stanthorpe

Variety report: Media report			
Variety: RS103-110 Rootstock: MM106 Region (site): 8 – Pozieres Elevation: 932 Lat/Long: 28° 31' / 151° 52' Season: 2011/12 Report date: 03/05/2018 14:06	Average fruit width: 73.3mm Average fruit length: 62.1mm Average fruit weight: 169.0g Average tray count: 75 <i>*standard three layer 12kg carton</i>	TSS% (post-harvest) (10) 11.3 Low 12.1 Average 12.8 High	Pressure (post-harvest) (10) Kg/m3 7.5 Low 8.1 Average 8.6 High
Tree growth characteristics			
Tree vigour Weak: 0% Medium: 100% Strong: 0% Very strong: 0%	Flowering and cropping Full bloom date (1) 22 Set Earliest 22 Sep Average 22 Sep Latest	Harvest date (1) 22 Feb Earliest 22 Feb Average 22 Feb Latest	
Tree habit Spreading: 100%			
Fruit eating qualities			
Flavour (1) 0% Aromatic 100% Balanced 0% Bitter 0% Bland 0% Chalky/dry 0% Florally 0% Rich/sweet 0% Spicy 0% Sprightly 0% Starchy 0% Tart/acid 0% Tannic 0% Off 0% Effervescent	Acid: sugar ratio (1) 0% High acid : high sugar 0% High acid : mod sugar 0% High acid : low sugar 0% Mod acid : high sugar 100% Mod acid: mod sugar 0% Mod acid : low sugar 0% Low acid : high sugar 0% Low acid : mod sugar 100% Low acid : low sugar	Juciness (1) 0% Dry 0% Medium 100% Juicy 0% Very juicy	Flesh texture (1) 0% Soft 0% Fine/melting 100% Breaking 0% Medium 0% Course 0% Grainy/gritty 0% Rubbery
Flesh crispness (1) 0% Not crisp 0% Slightly crisp 100% Crisp 0% Very crisp	Flesh colour (1) 100% White 0% Cream 0% Yellow 0% Yellowish/green 0% Green	Sweetness (1) 0% Acid 0% Slightly sweet 100% Sweet 0% Very sweet	Skin thickness (1) 0% Thin 100% Medium 0% Thick
Continued...			

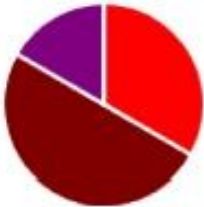







Variety report – RS103-110: Stanthorpe

Fruit appearance		
Over colour	Background colour	Fruit shape
	0% Cream	100% Flat - round
	0% Yellow	
	100% Yellowish/green	
	0% Green	
		 Flat - round
Photographs		
Internal photo	External photo	Fruit on tree photo
		
		

Variety report – RS103-110: Goulburn Valley

Variety report: Media report			
Variety: RS103-110 Rootstock: M26 Region (site): 1 – Mooroopna North Elevation: 187 M Lat/Long: 36° 18' / 145° 36' Season: All Report date: 03/05/2018 14:01	Average fruit width: 70.2mm Average fruit length: 59.1mm Average fruit weight: 158.8g Average tray count: 83 <i>*standard three layer 12kg carton</i>	TSS% (post-harvest) (10) 12.6 Low 15.6 Average 19.5 High	Pressure (post-harvest) (10) Kg/m3 6.3 Low 8.2 Average 10.7 High
Tree growth characteristics			
Tree vigour Weak: 33.333% Medium: 66.667% Strong: 0% Very strong: 0%	Flowering and cropping Full bloom date (1) 13 Oct Earliest 13 Oct Average 13 Oct Latest	Harvest date (1) 7 Mar Earliest 18 Mar Average 5 Apr Latest	
Tree habit Spreading: 66.667%			
Fruit eating qualities			
Flavour (4) 25% Aromatic 25% Balanced 0% Bitter 0% Bland 0% Chalky/dry 0% Florally 75% Rich/sweet 0% Spicy 0% Sprightly 0% Starchy 0% Tart/acid 0% Tannic 0% Off 0% Effervescent	Acid: sugar ratio (4) 0% High acid : high sugar 0% High acid : mod sugar 0% High acid : low sugar 25% Mod acid : high sugar 25% Mod acid: mod sugar 0% Mod acid : low sugar 25% Low acid : high sugar 25% Low acid : mod sugar 100% Low acid : low sugar	Juciness (4) 0% Dry 0% Medium 25% Juicy 75% Very juicy	Flesh texture (4) 0% Soft 25% Fine/melting 0% Breaking 50% Medium 25% Course 0% Grainy/gritty 0% Rubbery
Flesh crispness (4) 0% Not crisp 0% Slightly crisp 0% Crisp 100% Very crisp	Flesh colour (4) 75% White 0% Cream 25% Yellow 0% Yellowish/green 0% Green	Sweetness (4) 0% Acid 25% Slightly sweet 25% Sweet 50% Very sweet	Skin thickness (4) 25% Thin 75% Medium 0% Thick
Continued...			

Variety report – RS103-110: Goulburn Valley

Fruit appearance		
Over colour	Background colour	Fruit shape
	0% Cream	66.667% Flat - round
	33.333% Yellow	
	66.667% Yellowish/green	
	0% Green	
		 Flat - round
Photographs		
Internal photo	External photo	Fruit on tree photo
		
		

Weather station data

APFIP maintains a number of weather stations around Australia at its evaluation sites. Weather data is downloaded monthly, configured and reported on the APFIP website and in Industry Juice. APFIP currently has six commissioned MEA stations available online – Huon Valley, Tasmania; Orange, New South Wales; Manjimup, Western Australia; Lenswood, South Australia; Ardmona, Victoria; and Stanthorpe, Queensland.

The data from these stations is available to all growers 24/7 via www.weather.apfip.com.au/.

General data available:

Temperature, humidity, wind speed, rainfall, daylight hours.

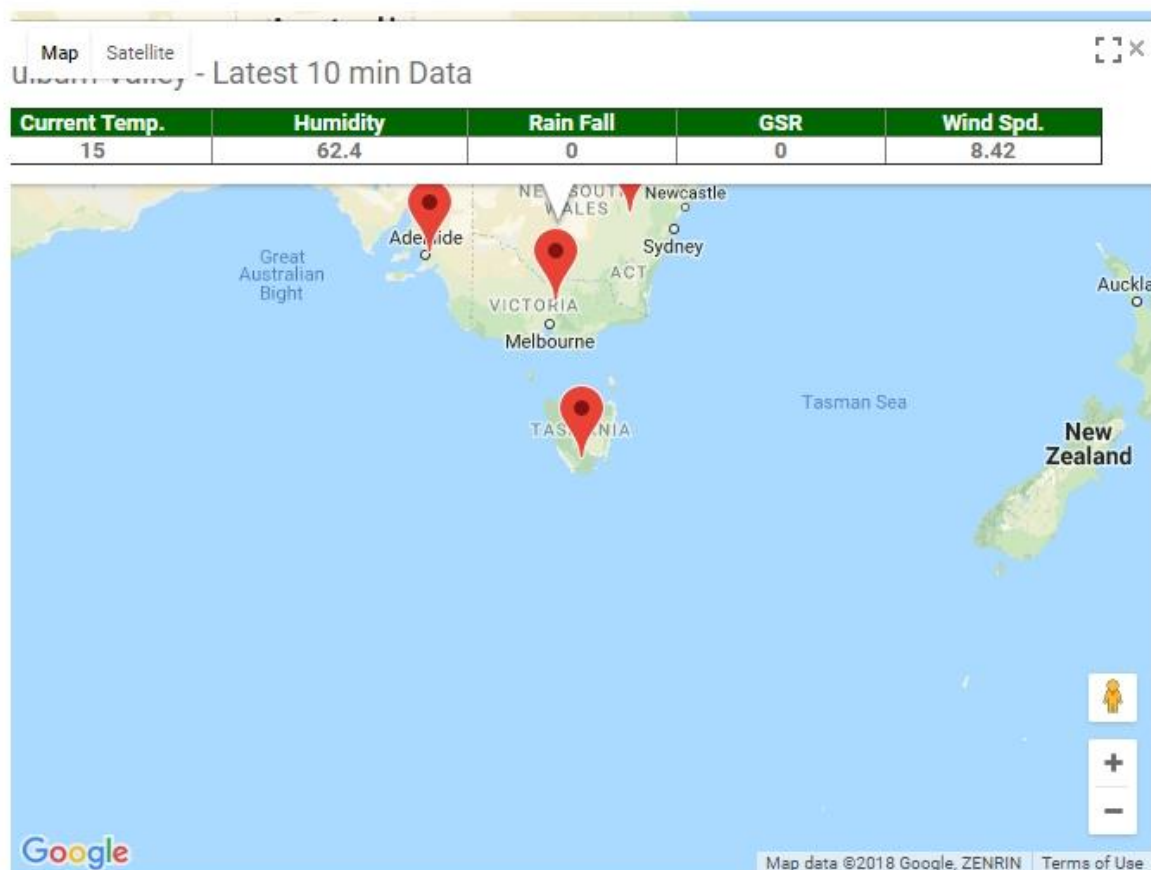
Growing data:

Soils temperature, evaporation, leaf wetness, growing degree days, chill units, frost hours.

Graphs:

These are displayed for all data ranges as well as Mills apple scab.

For more information about these stations contact APFIP Evaluation Coordinator Mark Hankin: 0408 503 528 or mark@apfip.com.au.



Variety register and evaluation status: Apples

The following table shows the varieties that have been through the APFIP evaluation program and lists: the variety coding name; supplier; and evaluation site. The varieties are identified in each site where their evaluation has taken place.

Identification is shown as either a blue or red dot indicating that the variety is inactive (blue) and has finished the required time frame or active (red/year of planting) and the variety is still being evaluated in a specific site.

The other columns indicate the current evaluation status of the variety.

Due to the confidential nature of agreements and contracts between APFIP and its suppliers, variety names cannot be displayed.

The APFIP variety register consists of private growers and Australian and international breeding programs.

- Inactive
- Active/year planted
- Current Status

Apples	APFIP Evaluation Areas, last updated 9/3/2018																				
Supplier	Huon Valley Calverts	Tamer Valley Clathorpe	Goulburn Valley Bolithio	Goulburn Valley Turnbull	Yarra Valley Johns	Orange Perry	Orange NSW Station	Manjimup Casurina	Manjimup MHRI Station	Lenswood Green	Lenswood Whenham	Batlow Wilson	Batlow Co-op	Stanthorpe Rizzato	Stanthorpe Daf Station	APFIP REPOSITORY TAS	PEQ	General access	Eliminated	Supplier data only	Still being evaluated
A&B James SA										•		•		•		•				•	
Alan Casey NSW	•		•					•						•		•			•		
ANFIC NSW	•				•	•		•		•				•		•			•		
ANFIC NSW						•		•										•			
ANFIC NSW	•		•		•	•				•		•		•				•			
ANFIC NSW	•		•		•	•				•		•		•				•			
ANFIC NSW	•		•		•	•				•		•		•				•			
ANFIC NSW	•		•			•				•	11			•							•
ANFIC NSW	•		•		•	•				•	11	•		•							•
ANFIC NSW	•		•	11	•	•								•							•
ANFIC NSW	•		•	11	•	•				•	11	•		•							•
ANFIC NSW	16	16		16					16						16						•
ANFIC NSW		15		15							15										•
ANFIC NSW	17			17																	•
ANFIC NSW	17			17																	•
ANFIC NSW	17			17			17		17		17		17		17						•
ANFIC NSW	17			17			17		17		17		17		17						•
ANFIC NSW	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	•																			•	
ANFIC NSW/Prevar	•																			•	
ANFIC NSW/Prevar	•		•		•	•				•		•		•						•	
ANFIC NSW/Prevar	•		•			•				•		•		•						•	
ANFIC NSW/Prevar	•		•			•		•		•		•		•						•	•
ANFIC NSW/Prevar	•		•							•		•		•						•	
ANFIC NSW/Prevar	•		•			•				•	•			•						•	•
ANFIC NSW/Prevar	•		•			•				•		•		•						•	
ANFIC NSW/Prevar	•		•			•				•	11			•						•	•
ANFIC NSW/Prevar	•		•		•	•				•		•		•						•	
ANFIC NSW/Prevar	•		•		•	•				•	•	•		•						•	•
ANFIC NSW/Prevar	•		•		•	•				•	11			•						•	•
ANFIC NSW/Prevar	•		•			•				•				•						•	
ANFIC NSW/Prevar	•		•			•				•	•			•						•	
ANFIC NSW/Prevar	•		•	11	•	•				•		•		•						•	•
ANFIC NSW/Prevar	•		•	11	•	•				•	11	•		•						•	•
ANFIC NSW/Prevar	•		•			•				•	•			•						•	
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	16			16			16		16		16				16						•

Variety register and evaluation status: Apples

Supplier	Huon Valley Calverts	Tamer Valley Clathorpe	Goulburn Valley Bolithio	Goulburn Valley Turnbull	Yarra Valley Johns	Orange Perry	Orange NSW Station	Manjimup Casarina	Manjimup MHRI Station	Lenswood Green	Lenswood Whenham	Batlow Wilson	Batlow Co-op	Stanthorpe Rizzato	Stanthorpe Daf Station	APFIP REPOSITORY TAS	PEQ	General access	Eliminated	Supplier data only	Still being evaluated
ANFIC NSW/Prevar	16	16		16			16		16		16				16						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
Prevar/APFIP																•					
Prevar/APFIP	16			16			16				16				16	•					
APFIP Ltd																•					
APFIP Ltd																•					
APFIP Ltd																					
APFIP Ltd																•					
APFIP Ltd																•					
APFIP Ltd																•					
APFIP Ltd																•					
APFIP Ltd																•					
APFIP Ltd	•		•			•		•		•		•		•				•			
APFIP Ltd	•				•	•				•		•		•		•		•			
APFIP Ltd																•					
APFIP Ltd																•					
APFIP Ltd	•		•		•	•				•				•				•			
APFIP Ltd	•		•		•	•				•				•				•			
APFIP Ltd	•		•		•	•				•				•				•			
APFIP Ltd	•		•		•	•				•				•				•			
Bill Shields NSW	•	14	•						14	•	11										•
C&O Nursery USA	•		•			•						•		•				•			
C&O Nursery USA	•		•			•		•				•		•		•		•			•
C&O Nursery USA	•		•			•		•				•		•		•		•			•
DAFWA	•		•		•	•				•				•		•				•	
DAFWA	•		•							•		•		•		•				•	
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•		•							•		•		•		•			•		
DAFWA	•	•		•						•	•	•		•					•		
DAFWA	•	•		•						•	•	•		•					•		
DAFWA	13	13		13							13	13		13							•
DAFWA	17										17				17						•
DAFWA	17			17			17				17				17						•
DAFWA	17			17							17				17						•
Flemings Nursery	•																			•	
Grove Research TAS						•				•								•			
Grove Research TAS						•				•								•			
Grove Research TAS						•				•								•			
Grove Research TAS																•					
Grove Research TAS																•					
Grove Research TAS																•					
Grove Research TAS																•					
Grove Research TAS																•					
Grove Research TAS																•					
Grove Research TAS																•					
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	

Variety register and evaluation status: Apples

Supplier	Huon Valley Calverts	Tamer Valley Clathorpe	Goulburn Valley Bolitho	Goulburn Valley Turnbull	Yarra Valley Johns	Orange Perry	Orange NSW Station	Manjimup Casurina	Manjimup MHRI Station	Lenswood Green	Lenswood Whenham	Batlow Wilson	Batlow Co-op	Stanthorpe Rizzato	Stanthorpe Daf Station	APFIP REPOSITORY TAS	PEQ	General access	Eliminated	Supplier data only	Still being evaluated
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Hort Research NZ	•																			•	
Mount View NSW												•						•			
Mount View NSW												•						•			
NIFTS Japan																			•		
NIFTS Japan																•					
Olea Nursery WA								•										•			
Olea Nursery WA								•										•			
Olea Nursery WA								•										•			
DAFF	•		•							•				•						•	
DAFF										•										•	
DAFF										•										•	
DAFF										•										•	
DAFF										•										•	
DAFF										•										•	
DAFF										•										•	
DAFF										•										•	
DAFF										•										•	
DAFF	•		•							•				•						•	
DAFF	•		•							•				•						•	
DAFF	•		•							•				•						•	
DAFF	14	14		14			14		14		14	14			14						
DAFF	14	14		14			14		14		14	14			14						
DAFF	14	14		14			14		14		14	14			14						
DAFF	14	14		14			14		14		14	14			14						
Tahune Fields Nursery	•		•		•	•		•		•		•		•				•			
Tahune Fields Nursery			•		•	•				•		•		•				•			
Tangara Nursery TAS			•			•						•		•				•			
FENO	12	13		12		•	14		14		12	12		12		•					•
FENO																•					•
Better3fruits	12	13		12		•	14		14		12	12		12		•					•
Better3fruits	•	•		•		•				•		•		•					•		
Better3fruits	•			•		•				•		•		•					•		
Better3fruits	12	13		12		•	14		14			12		12		•					•
Better3fruits	13	13		13			14		14		13	13		13		•					
Better3fruits																•					
Better3fruits																•					
Better3fruits	14	14		14			14		14		14				14	•					
Better3fruits																•					
Better3fruits																•					
Better3fruits																•					
Better3fruits																•					
Better3fruits																•					
Better3fruits																•					
Better3fruits																•					
University of Minnesota																•					
University of Minnesota																•					

Variety register and evaluation status: Pears

Pears	APFIP Evaluation Areas, last updated 9/3/2018																				
Supplier	Huon Valley Calverts	Tamer Valley Clathorpe	Goulburn Valley Bolithio	Goulburn Valley Turnbull	Yarra Valley Johns	Orange Perry	Orange NSW Station	Manjimup Casurina	Manjimup MHRI Station	Lenswood Green	Lenswood Whenham	Batlow Wilson	Batlow Co-op	Stanthorpe Rizzato	Stanthorpe Daf Station	APFIP REPOSITORY TAS	PEQ	General access	Eliminated	Supplier data only	Still being evaluated
DPI Victoria			•		•					•									•		
DPI Victoria			•		•					•										•	
DPI Victoria			•		•					•										•	
DPI Victoria			•		•															•	
DPI Victoria			•		•					•										•	
DPI Victoria			•		•					•										•	
DPI Victoria					•					•									•		
DPI Victoria					•					•										•	
DPI Victoria					•					•										•	
DPI Victoria					•					•									•		
APAL				11					11		11	11									•
APAL				11					11		11	11									•
APAL				11					11		11	11									•
APAL				11					11		11	11									•
APAL				11					11		11	11									•
ANFIC NSW			•		•					•	•									•	
ANFIC NSW		16		16					16		16				16						•
ANFIC NSW				15							15										•
ANFIC NSW	17			17			17		17		17		17		17						•
ANFIC NSW	17			17			17		17		17		17		17						•
ANFIC NSW	17			17			17		17		17		17		17						•
ANFIC NSW	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	17			17			17		17		17		17		17						•
ANFIC NSW/Prevar	•																	•			
ANFIC NSW/Prevar	•																	•			
ANFIC NSW/Prevar	•																	•			
ANFIC NSW/Prevar			•							•	11										•
ANFIC NSW/Prevar	•		•		•	•				•		•			•					•	
ANFIC NSW/Prevar			•		•			9		•	11	•			•						•
ANFIC NSW/Prevar			•		•			9		•	11	•			•					•	
ANFIC NSW/Prevar			•		•			•		•	•	•			•					•	
ANFIC NSW/Prevar			•		•			•		•	•	•			•					•	
ANFIC NSW/Prevar			•	11	•			9		•											•
ANFIC NSW/Prevar			•		•			9		•	11	•			•						•
ANFIC NSW/Prevar			•		•			9		•	11	•			•						•
ANFIC NSW/Prevar			•							•	11									•	
ANFIC NSW/Prevar																				•	
ANFIC NSW/Prevar				11	•																•
ANFIC NSW/Prevar				15																	•
ANFIC NSW/Prevar		16		15					16		16										•
ANFIC NSW/Prevar		15		15					16		15										•
ANFIC NSW/Prevar		16		15					16		16			16							•
ANFIC NSW/Prevar				15										16							•
ANFIC NSW/Prevar		16		16					16												•
ANFIC NSW/Prevar				16																	
ANFIC NSW/Prevar		16		16					16		16				16						
ANFIC NSW/Prevar		16		16					16		16				16						
ANFIC NSW/Prevar		16		16					16		16				16						
ANFIC NSW/Prevar		16		16					16		16										
ANFIC NSW/Prevar				16					16		16										
ANFIC NSW/Prevar																•					
APFIP Ltd																•					
APFIP Ltd																					
Hansen Orchards																•					
Hort Research/ ANFIC	•																	•			
Hort Research/ ANFIC	•																	•			
Hort Research/ ANFIC	•																	•			

Variety register and evaluation status: Pears

Supplier	Huon Valley Calverts	Tamer Valley Clathorpe	Goulburn Valley Bolithio	Goulburn Valley Turnbull	Yarra Valley Johns	Orange Perry	Orange NSW Station	Manjimup Casurina	Manjimup MHRI Station	Lenswood Green	Lenswood Whenham	Batlow Wilson	Batlow Co-op	Stanthorpe Rizzato	Stanthorpe Daf Station	APFIP REPOSITORY TAS	PEQ	General access	Eliminated	Supplier data only	Still being evaluated
Hort Research/ ANFIC	•																	•			
Hort Research/ ANFIC																					
Hort Research/ ANFIC	•																			•	
Hort Research/ ANFIC	•		•		•	•				•		•								•	
Hort Research/ ANFIC	•		•		•	•				•		•								•	
Hort Research/ ANFIC	•		•		•	•				•		•								•	
Hort Research/ ANFIC	•		•		•	•				•		•								•	
Hort Research/ ANFIC	•		•		•	•				•		•								•	
Hort Research/ ANFIC	•		•		•	•				•		•								•	
Hort Research/ ANFIC	•		•		•	•				•		•								•	
Jill Cambell (OAI)																•					
Jill Cambell (OAI)																•					
Next Fruit Generation																•					
Next Fruit Generation																•					
Next Fruit Generation																•					
Next Fruit Generation																•					
Naktuinbow																•					
Stoneville Research WA			•															•			
Stoneville Research WA			•															•			
Stoneville Research WA										•								•			
Stoneville Research WA			•							•								•			
Stoneville Research WA			•															•			