

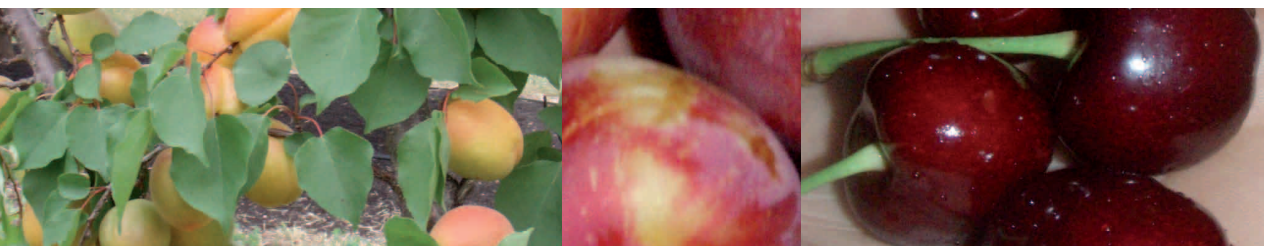


Continuing the Fleming Family Tradition

Annual Evaluation Report

Season 2010 - 2011

A publication of Graham's Factree Pty Ltd
Supported by Horticulture Australia Limited



Horticulture Australia



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the payment of the cost of the replacement trees, or equivalent trees.

We will in no event be liable for any loss of profits or other loss or damage whatsoever.

Annual Evaluation Report

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Project MT10051

'Making good variety investment decisions. A Tree Fruit Variety Evaluation Program for Australia'

Background

Graham's Factree Pty Ltd is committed to providing the Australian treefruit industries with cultivars that perform well under Australian growing conditions. Such new cultivars increase consumer interest in fruit, stimulate sales and provide a 'cutting edge' for the industry as a whole.

Sourcing cultivars from around the world is just one part of the equation. A second, very important part is how these cultivars will perform in Australia. Graham's Factree recognises this critical aspect of variety development which has led to the development of this large scale evaluation project for the stone fruit industry. The project covers all stone fruit varieties including peaches, nectarines, apricots, plums, interspecific plums and apricots, and cherries, all taken from breeding programs with whom Graham's Factree has a proprietary relationship.

The project is funded through Voluntary Contributions from Graham's Factree 'matched' by Horticulture Australia Limited (HAL) with funds from the Australian government. The project is funded for an initial period of four years with Graham's Factree's intention being that the project will continue well beyond that point to maximise the overall benefit to the industry.

Goals

The project has a number of goals. The primary goal is to collect and distribute to growers the regional performance data on new cultivars to assist them in choosing the right varieties to plant and therefore to help mitigate the risks involved in this process.

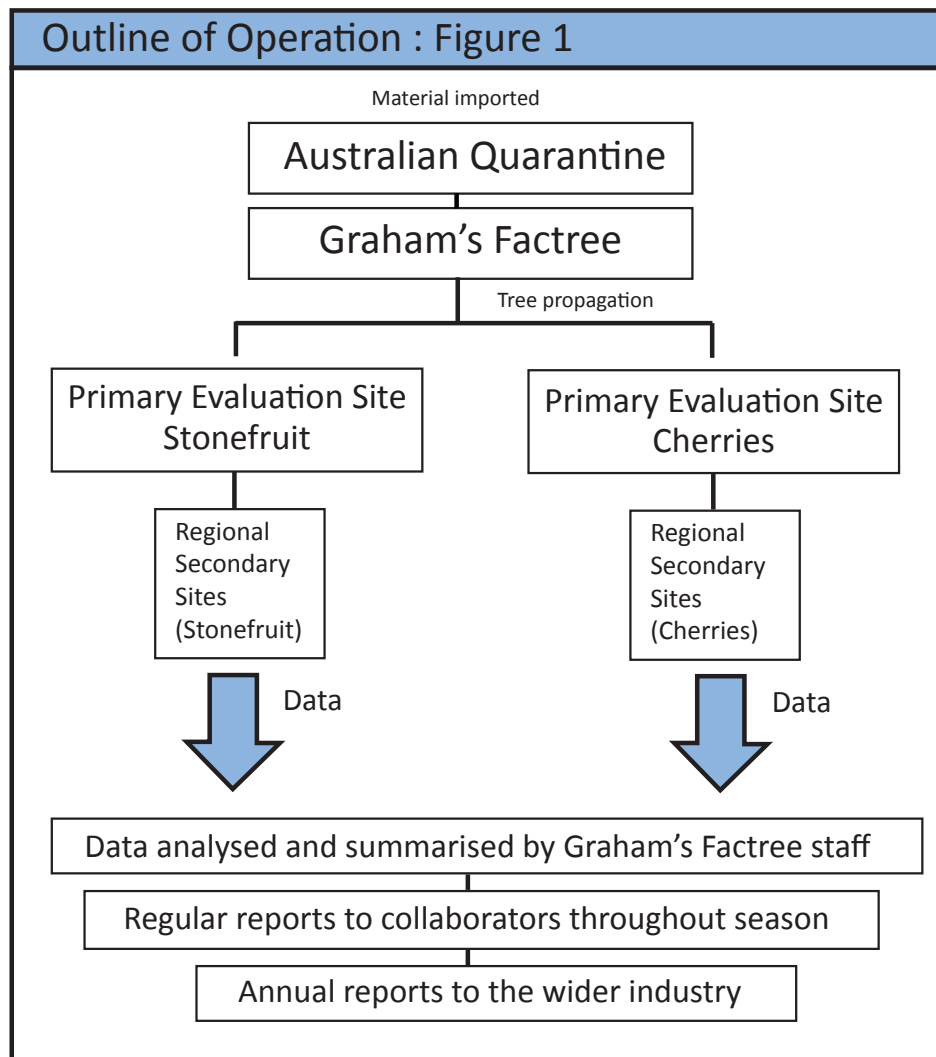
In addition to the regional evaluation work the project aims to improve the selection process of new varieties that are imported into Australia via the 'pipeline' component of the project. As such, the project is an exciting initiative for the Summerfruit and Cherry industries.

Industry Involvement

For a project of this size to deliver maximum benefit to growers it is imperative that industry involvement is achieved. There are several ways in which the project utilises the industry to bolster the project. They include:

- The regional (secondary) evaluation sites are in most cases planted under the auspices of the local fruit growers association. This keeps the local industry up to date on what is happening in their area and provides ownership of this important aspect of the project.
- Experienced growers will play a major role in choosing which varieties are selected to be imported into Australia. Each year the project will send experienced Australian growers and other industry representatives to an overseas breeding program in California to view first-hand the latest variety selections and assess their suitability for import into the Australian industry. This component of the project is referred to as the 'pipeline trips' and the project has allowances for ten such trips each year.
- Industry members have been appointed to a Steering Committee for the project.

Figure 1 gives an overview of how the evaluation program operates.



How the Factree Regional Project works

The project includes the following components:

Quarantine and Propagation

Varieties selected from overseas breeding programs with the benefit of the 'pipeline' process are brought into Australia and progress through the Australian quarantine system using the Graham's Factree facilities and personnel. Initial trial trees are propagated for distribution to the Primary Evaluation Sites.

Primary Evaluation

The Primary Sites are located in one of the main Australian production regions for that crop. At these sites, two trees of each variety are planted under commercial orchard conditions with respect to spacing, agronomy, pest and disease management, etc. Evaluations are conducted by a project-appointed evaluator with the evaluation data being recorded on the Stage 1 Evaluation format (see Figure 2 on page 6). Where possible the evaluator will make comparisons against the variety(ies) currently recommended for the relevant maturity time slot. Varieties from other breeders may be included as 'standards'.

Secondary Evaluation

The varieties that show commercial promise are 'promoted' to the Secondary Evaluation process. Additional trees are propagated and distributed to the appropriate Secondary Evaluation sites. Secondary Evaluation sites are located in growing regions appropriate for the relevant varieties.

Secondary evaluations are conducted by a project-appointed evaluator with the evaluation data being recorded in the Stage 2 Evaluation format (see Figure 3 on page 7). Similar to the Primary Evaluation process, and when possible, comparisons are made by the evaluator against the variety(ies) currently recommended for the respective maturity time slot.

Where possible, Secondary Evaluation sites are supported by a grower group (e.g. a regional growers association, or similar). This provides immediate industry feedback from the evaluation project.

Backlog or Existing Varieties

Over the past few years Graham's Factree has imported a substantial pool of stone fruit varieties (including a range of interspecific varieties) that, to date, have undergone only limited evaluation. A specific component of the project is targeted at evaluating these potentially exciting varieties.

Reporting

Each week, as the varieties ripen, the Primary and Secondary evaluators complete the respective Stage 1 and Stage 2 evaluations and email the data to the Graham's Factree office. The data is reviewed and collated into an email newsletter which reports the results of the evaluations conducted during the previous week. Newsletters are distributed on a regularly basis throughout the season to growers and their respective associations who are collaborating on the project.

The Annual Report

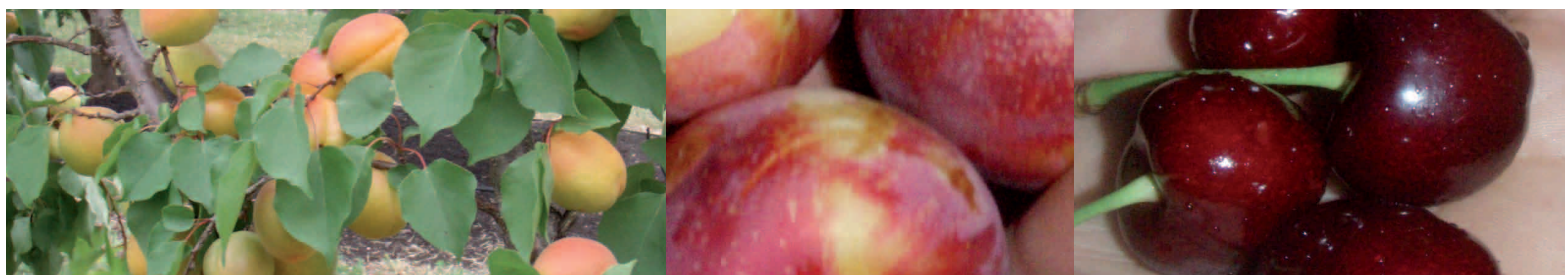
Is a compilation of the Primary Evaluation and Secondary Evaluation results that have been collected by the project in the preceding twelve-month period. The Annual Report is made available to all commercial growers and the broader industry.

Website

The dedicated website for the Evaluation Project is found at **www.evaluations.factree.com.au** and all of the evaluation data from the previous year is publicly available at that website. The website also provides a link to a downloadable version of this Annual Report.

**If you wish to learn more about this exciting initiative, please contact
Graham's Factree on (03) 9999 1999 or email evaluationproject@factree.com.au**

The following summarised descriptions have been derived directly from the evaluation data provided by the evaluators based at the stonefruit primary site located in the Riverland region, South Australia.



Annual Evaluation Report

Figure 2.

Stage 1 Evaluation				
Date of Evaluation	<input style="width: 95%;" type="text"/>	Location	<input style="width: 95%;" type="text"/>	
Evaluator Name	<input style="width: 95%;" type="text"/>	Rootstock	<input style="width: 95%;" type="text"/>	
Cultivar	<input style="width: 95%;" type="text"/>	Variety	<input style="width: 95%;" type="text"/>	
Split Stone	<input type="checkbox"/> Pass		<input type="checkbox"/> Fail	
Balanced Taste	<input type="checkbox"/> Pass		<input type="checkbox"/> Fail	
Russet	<input type="checkbox"/> Pass		<input type="checkbox"/> Fail	
Cracking	<input type="checkbox"/> Pass		<input type="checkbox"/> Fail	
Appearance	<input type="checkbox"/> Pass		<input type="checkbox"/> Fail	
Stem Tear	<input type="checkbox"/> Pass		<input type="checkbox"/> Fail	
Fruit Doubles	<input type="checkbox"/> Pass		<input type="checkbox"/> Fail	
Crop Yield	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	
Fruit Size mm	<input style="width: 95%;" type="text"/>			
Bloom 10%	<input style="width: 95%;" type="text"/>	Full Bloom	<input style="width: 95%;" type="text"/>	
1st Pick	<input style="width: 95%;" type="text"/>	2nd Pick	<input style="width: 95%;" type="text"/>	
Skin	<input type="checkbox"/> Cream	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Yellow
	<input type="checkbox"/> Maroon	<input type="checkbox"/> Purple	<input type="checkbox"/> Red	<input type="checkbox"/> Pink
			<input type="checkbox"/> Dark Red	
Flesh	<input type="checkbox"/> Cream	<input type="checkbox"/> Green	<input type="checkbox"/> White	<input type="checkbox"/> Yellow
	<input type="checkbox"/> Red	<input type="checkbox"/> Purple		<input type="checkbox"/> Orange
Flavour	<input type="checkbox"/> Acid	<input type="checkbox"/> Low Acid	<input type="checkbox"/> Sub-Acid	
Brix %	<input style="width: 95%;" type="text"/>			
Score /10	<input style="width: 95%;" type="text"/>			
Progress to Stage 2	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Comments & Commercial Comparator				

Figure 3.

Stage 2 Evaluation

Date of Evaluation				Location			
Evaluator Name				Rootstock			
Cultivar				Variety			
Pink Bud				Full Bloom			
1st Pick				2nd Pick			
Skin Thickness	<input type="checkbox"/> Thin	<input type="checkbox"/> Medium	<input type="checkbox"/> Thick	Colour Intensity	<input type="checkbox"/> Dull	<input type="checkbox"/> Moderate	<input type="checkbox"/> Bright
Colour Type	<input type="checkbox"/> Striped	<input type="checkbox"/> Solid	<input type="checkbox"/> Blushed	<input type="checkbox"/> Bi-coloured			
Over Colour %	<input type="checkbox"/> None	<input type="checkbox"/> Cream	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Yellow	<input type="checkbox"/> Pink	
	<input type="checkbox"/> Maroon	<input type="checkbox"/> Purple	<input type="checkbox"/> Red	<input type="checkbox"/> Dark Red			
Background Colour	<input type="checkbox"/> Cream	<input type="checkbox"/> Green	<input type="checkbox"/> Yellow/Green	<input type="checkbox"/> Yellow			
Bruising	<input type="checkbox"/> Absent	<input type="checkbox"/> Light	<input type="checkbox"/> Moderate	<input type="checkbox"/> Heavy	Skin /10		
Flesh Colour	<input type="checkbox"/> Cream	<input type="checkbox"/> Green	<input type="checkbox"/> White	<input type="checkbox"/> Yellow	<input type="checkbox"/> Orange	<input type="checkbox"/> Red	<input type="checkbox"/> Purple
Flesh Texture	<input type="checkbox"/> Hard	<input type="checkbox"/> Coarse	<input type="checkbox"/> Crisp	<input type="checkbox"/> Crunchy	<input type="checkbox"/> Rubbery	<input type="checkbox"/> Soft	
	<input type="checkbox"/> Juicy	<input type="checkbox"/> Grainy/gritty	<input type="checkbox"/> Medium	<input type="checkbox"/> Fine/melting			
Bleeding	<input type="checkbox"/> None	<input type="checkbox"/> Around stone	<input type="checkbox"/> Under skin	Amount		Flesh /10	
Ave Fruit Size mm				Brix %			
Fruit Shape	<input type="checkbox"/> Oblong	<input type="checkbox"/> Ovate	<input type="checkbox"/> Rounded	<input type="checkbox"/> Slightly flat	<input type="checkbox"/> Asymmetric	<input type="checkbox"/> Symmetric	
Fruit Tip	<input type="checkbox"/> Large	<input type="checkbox"/> Flat	<input type="checkbox"/> Slight	Fruit Indent	<input type="checkbox"/> Deep	<input type="checkbox"/> Flat	<input type="checkbox"/> Slight
Flavour	<input type="checkbox"/> Acid	<input type="checkbox"/> Aromatic	<input type="checkbox"/> Balanced	<input type="checkbox"/> Bitter	<input type="checkbox"/> Bland	<input type="checkbox"/> Slightly sweet	
	<input type="checkbox"/> Very sweet	Firmness			<input type="checkbox"/> Soft	<input type="checkbox"/> Medium	<input type="checkbox"/> Hard
Split Stone %				Fruit /10			
Russet	<input type="checkbox"/> None	<input type="checkbox"/> Some	<input type="checkbox"/> Majority				
Russet Position	<input type="checkbox"/> Calyx end	<input type="checkbox"/> Cheeks	<input type="checkbox"/> Complete	<input type="checkbox"/> General	<input type="checkbox"/> Lenticel	<input type="checkbox"/> Stem bowl	<input type="checkbox"/> Stem end
Sunburn	<input type="checkbox"/> Absent	<input type="checkbox"/> Light	<input type="checkbox"/> Moderate	<input type="checkbox"/> Heavy			
Stem Tear	<input type="checkbox"/> None	<input type="checkbox"/> Some	<input type="checkbox"/> Severe	Cracking	<input type="checkbox"/> None	<input type="checkbox"/> Some	<input type="checkbox"/> Severe
Limb Rub	<input type="checkbox"/> None	<input type="checkbox"/> Light	<input type="checkbox"/> Moderate	<input type="checkbox"/> Heavy			
Cracking	<input type="checkbox"/> None	<input type="checkbox"/> Some	<input type="checkbox"/> Severe	Preharvest Drop	<input type="checkbox"/> Evident	<input type="checkbox"/> Not Evident	
Fruiting Habit	<input type="checkbox"/> Lateral bearer	<input type="checkbox"/> Semispur	<input type="checkbox"/> Spur Type	Uniform Ripening	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Flower Density	<input type="checkbox"/> None	<input type="checkbox"/> Light	<input type="checkbox"/> Average	<input type="checkbox"/> Heavy	<input type="checkbox"/> Commercial		
Fruit Doubles	<input type="checkbox"/> None	<input type="checkbox"/> Low	<input type="checkbox"/> Average	<input type="checkbox"/> High			
Crop Load	<input type="checkbox"/> None	<input type="checkbox"/> Light	<input type="checkbox"/> Average	<input type="checkbox"/> Heavy	<input type="checkbox"/> Commercial		
Tree Vigour	<input type="checkbox"/> Weak	<input type="checkbox"/> Average	<input type="checkbox"/> Strong	Tree Habit	<input type="checkbox"/> Upright	<input type="checkbox"/> Upright spreading	<input type="checkbox"/> Spreading
Bacterial Spot	<input type="checkbox"/> None	<input type="checkbox"/> Few	<input type="checkbox"/> Many	<input type="checkbox"/> Smothered	Tree /10		
Comments & Commercial Comparator						Overall Score /10	



'Vista Snow' – Picked 30.10.2010

A white peach with a striped appearance and rounded shape. Slightly sweet flavour. Average Brix of 9.

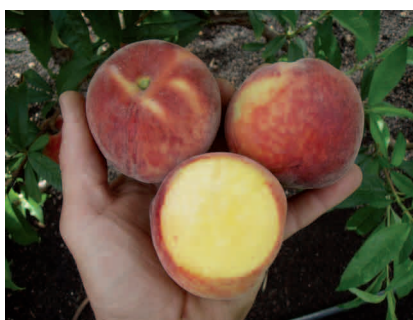
Overall field score 7/10.



'Snow Angel' (b) – Picked 30.10.2010

A bright and blushed white peach with a rounded shape and balanced flavour, averaging 64mm in size and an average Brix of 10.

Overall field score 8/10.



'Super Lady' (b) – Picked 2.11.2010

A yellow peach with thick skin and blushed colour and acid flavour. Averaging 67mm in size with a rounded shape and firm flesh. Average Brix of 9.

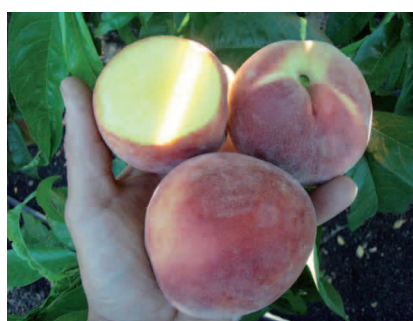
Overall field score 7/10.



FTP058 – Picked 14.11.2010

A yellow peach with some red bleeding into the flesh. Oblong in shape with an average fruit size of 65mm, and an average Brix of 9. Balanced flavour.

Overall field score 7.5/10.



FTP0414 – Picked 22.11.2010

A yellow peach with dark red skin and an ovate shape. Averaging 71mm in size with an average Brix of 10. Slightly sweet in flavour.

Overall field score 8/10.



FTP0118 – Picked 25.11.2010

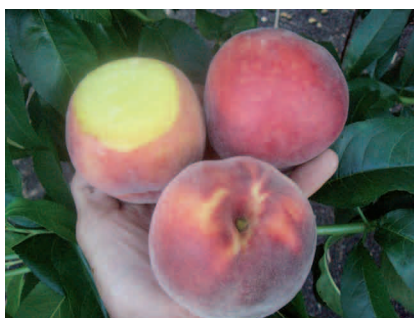
A yellow peach with dark red skin and very sweet flavour. Averages 72mm in size with a rounded shape and has an average Brix of 11. 40% split stones recorded.

Overall field score 7/10.

**FTP0213 – Picked 27.11.2010**

A yellow peach with blushed red skin and balanced flavour. Averages 77mm in size with a rounded shape and has an average Brix of 10. Crunchy flesh.

Overall field score 8/10.

**'Brittney Lane' – Picked 6.12.2010**

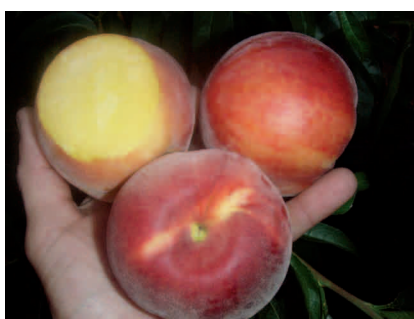
A yellow peach with a flesh colour that is closer to orange. The fruit averages 75mm in size with a rounded, symmetric shape and an average Brix of 9. Acidic to taste.

Overall field score 8/10.

**FTP0415 – Picked 6.12.2010**

A yellow peach with a flesh colour that is closer to orange. The flesh is juicy with balanced flavour. Averages 73mm in size with an average Brix of 10. Rounded in shape.

Overall field score 8/10.

**FTP0320 – Picked 7.12.2010**

A yellow peach with juicy, very sweet flesh. Averages 73mm in size with a rounded shape and has an average Brix of 11.

Overall field score 9/10.

**FTP057 – Picked 9.12.2010**

A yellow peach with flesh that is closer to orange and is balanced in flavour. The skin has solid colour and shows some bleeding into the flesh. Averages 83mm in size with a rounded shape, and has an average Brix of 10.

Overall field score 8/10.

**FTP072 – Picked 12.12.2010**

A white, donut shaped peach with pink skin and subacid flavour. Averages 73mm in size and has an average Brix of 12.

Overall field score 6/10.

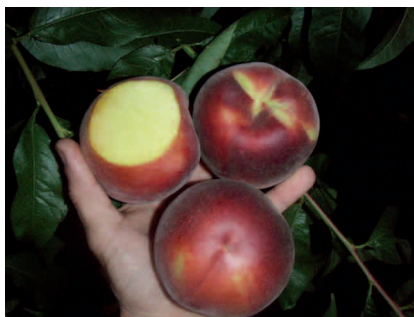
Peaches



FTP056 – Picked 22.12.2010

A white donut shaped peach with crunchy flesh and slight bleeding under the skin. The fruit averages 85mm in size and has an average Brix of 14. Some instance of cracking and russet have been reported.

Overall field score 8/10.



FTP055 - Picked 24.12.2010

A yellow peach with moderate, solid colour and greenish yellow flesh. Averaging 78mm in size with very sweet flavour and an average Brix of 15.

Overall field score 9/10.



FTP046 – Picked 3.1.2011

A yellow peach with solid colour and orange flesh. Averaging 78mm in size with balanced flavour and an average Brix of 12.

Overall field score 8/10.



FTP043 -Picked 3.1.2011

A yellow peach with a bright and blushed skin finish and orange flesh. Averaging 82mm in size with a slightly flat shape and slightly sweet in flavour.

Overall field score 8/10.



FTP078 – Picked 8.1.2011

A white peach with bright, solid colour. The fruit is slightly flat in shape and averages 80mm in size. Flavour is slightly sweet with an average Brix of 12.

Overall field score 8.5/10.



FTP0416 – Picked 9.1.2011

A white peach with a solid, bright skin finish and a rounded shape. Averages 82mm in size and has an average Brix of 12. Flavour is very sweet and a light crop load was reported for this testing region.

Overall field score 7/10.

**FTP0510 – Picked 11.1.2011**

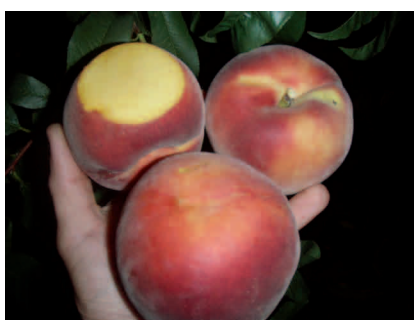
A yellow peach with a bright skin finish. Flesh is juicy but rubbery. Averages 80mm in size and has a slightly flat shape. Flavour is balanced with an average Brix of 12.

Overall field score 7/10.

**FTP045 - Picked 13.1.2011**

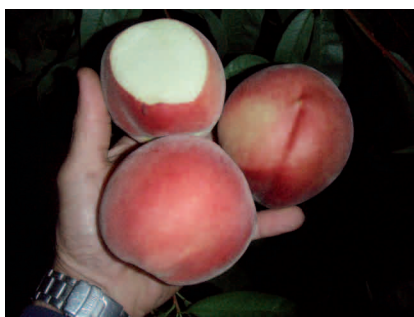
A white peach with bright colour, rounded in shape and slightly sweet in flavour. Averaging 75mm in size with an average Brix of 11.

Overall field score 7/10.

**FTP054 – Picked 15.1.2011**

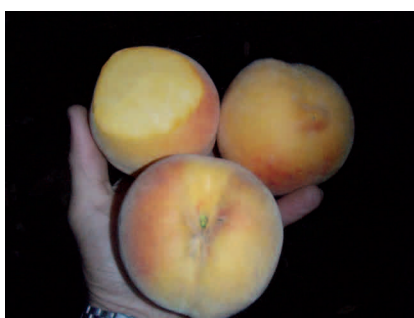
A yellow peach with a bright and blushed skin finish and a rounded shape. Averages 84mm in size and has an average Brix of 10 with very sweet flavour. Commercial flower density and crop load reported.

Overall field score 8/10.

**FTP034 - Picked 19.1.2011**

A white peach with a bright and blushed red colour, oblong in shape and slightly sweet in flavour.

Overall field score 7/10.

**FTP052 - Picked 19.1.2011**

A yellow peach with bright colour, balanced flavour and a rounded shape.

Overall field score 8/10.

**FTP053 - Picked 29.1.2011**

A white peach with cream coloured flesh and a bright skin finish. Rounded in shape with an average size of 87mm and slightly sweet flavour.

Overall field score 7/10.

Peaches



FTP0713 – Picked 1.2.2011

A yellow peach with a red skin finish and a donut shape. Averages 80mm in size and has an average Brix of 12.5. A low crop load was reported for this testing region.

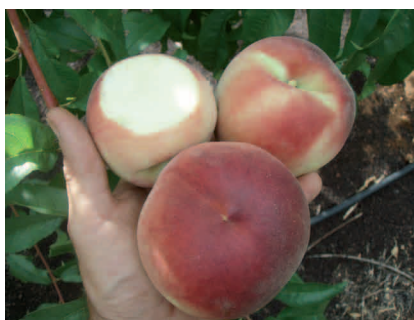
Overall field score 6/10.



FTP991 – Picked 10.2.2011

A yellow peach with solid colour and a rounded shape. Averages 81mm in size and has an average Brix of 11 with a slightly sweet flavour. A commercial crop load and a potential for inking problems were reported for this testing region.

Overall field score 8/10.



FTP079 – Picked 15.2.2011

A white peach with a bright, solid skin colour. Rounded in shape and averages 81mm in size. Very sweet flavour with an average Brix of 15. Light bruising and an average to light crop load were reported for this testing region.

Overall field score 7/10.



FTP0417 – Picked 6.3.2011

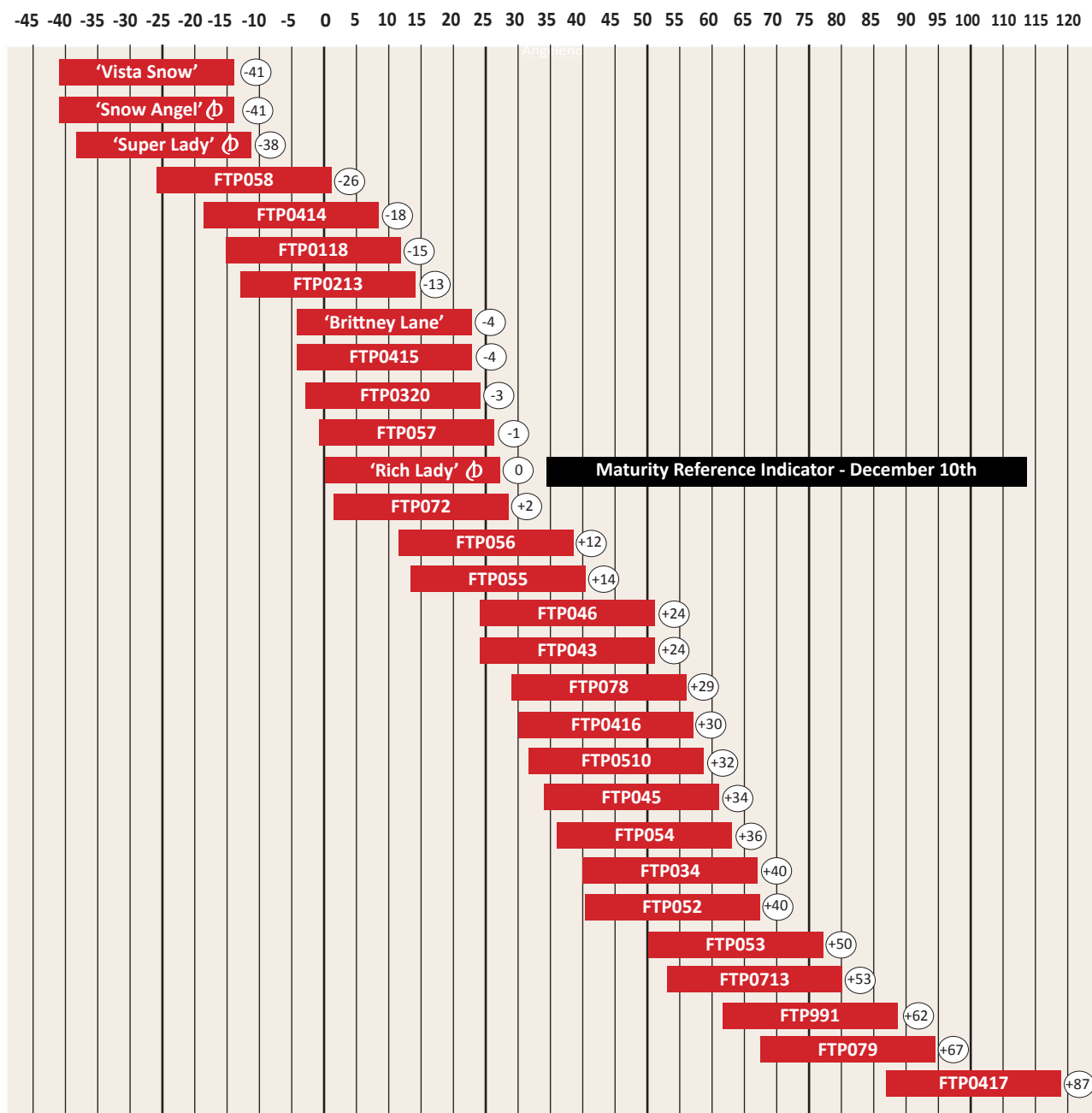
A yellow peach with red skin and subacid flavour. Averages 90mm in size and has an average Brix of 10.

Overall field score 7/10.

Peach Cultivar Maturity Chart

Maturity Reference indicator - 'Rich Lady' ♂

'Rich Lady' ♂ matured in the Riverland region on approximately the 10th of December



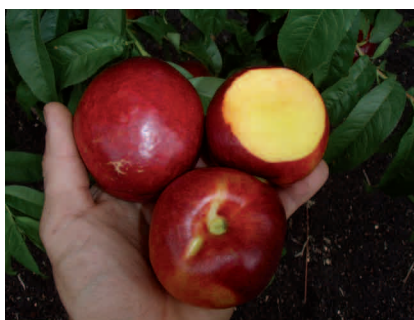
Maturity charts are intended as a guide only and maturity dates may vary due to climate and location.



'Honey May' (b) – Picked 7.11.2010

A yellow nectarine with moderate, blushed colour, oblong in shape with an average size of 60-66mm. Slightly sweet in flavour with an average Brix of 10. Although a light crop load was reported, this is the first viewing of 'Honey May' in Australia and more testing is required.

Overall field score 8/10.



'Royallruby' (b) – Picked 10.11.2010

A yellow nectarine with bright, solid colour, oblong in shape and has an average size of 64mm. Flavour is balanced with an average Brix of 8.5. A heavy crop load was reported for this testing region.

Overall field score 7/10.



FTN0414 – Picked 10.11.2010

A white nectarine with blushed skin, oblong in shape and has an average size of 62mm. Flavour is acidic and a heavy crop load was reported for this testing region. Light bruising evident.

Overall field score 7/10.



FTN057 – Picked 12.11.2010

A yellow nectarine with moderate colour and rubbery flesh. Oblong in shape with an average size of 62-64mm. Flavour is balanced with an average Brix of 10. An average to heavy crop load was reported for this testing region.

Overall field score 7/10.



FTN0420 – Picked 21.11.2010

A yellow nectarine with solid colour that is moderately bright. Rounded in shape with an average size of 66mm. 10-20% bleeding reported. Flavour is balanced and slightly sweet with an average Brix of 8. An average to heavy crop load and a very slight fruit tip reported.

Overall field score 8/10.



FTN0422 – Picked 25.11.2010

A yellow nectarine with red skin and acidic flavour. Average fruit size 62mm and an average Brix of 10. Splitstones reported.

Overall field score 4/10.

**FTN0416 – Picked 25.11.2010**

A yellow nectarine with solid, moderately bright colour and some bleeding reported under the skin. Oblong in shape with an average size of 68mm. Flavour is acidic to taste with an average Brix of 10.

Overall field score 7/10.

**FTN059 – Picked 30.11.2010**

A yellow nectarine with bright, blushed colour and crunchy flesh. Averages 68mm in size and is oblong in shape. Flavour is balanced with an average Brix of 10.5.

Overall field score 8/10.

**FTN0417 – Picked 30.11.2010**

A white nectarine with bright, solid colour and crunchy flesh. Averages 66mm in size with an oblong shape, and has slightly sweet flavour with an average Brix of 10. Matures just before 'Arctic Star' finishes for this testing region.

Overall field score 8/10.

**FTN022 – Picked 2.12.2010**

A yellow nectarine with solid, bright colour and crunchy flesh. Averages 71mm in size with an oblong shape. Flavour is slightly sweet with an average Brix of 11.

Overall field score 8.5/10

**FTN0421 – Picked 4.12.2010**

A white nectarine with dull, blushed colour and crunchy flesh. Averages 75mm in size with a slightly flat shape. Slightly sweet in flavour with an average Brix of 11.5. Some instance of split stones and a light crop load reported for this testing region.

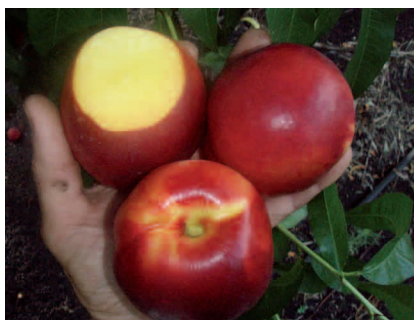
Overall field score 6/10.

**'Starborne' – Picked 4.12.2010**

A yellow nectarine with solid, dull colour and flesh that is crunchy and orange. Averages 63mm in size with a slightly flat shape. Flavour is balanced with an average Brix of 11. Some stem tear and triples noted in this testing region.

Overall field score 8/10.

Nectarines



FTN055 – Picked 6.12.2010

A yellow nectarine with solid, bright colour and flesh that is crisp, crunchy and juicy. Averages 72mm in size and is oblong in shape. Flavour is slightly sweet with an average Brix of 10. A heavy crop load was reported in this testing region.

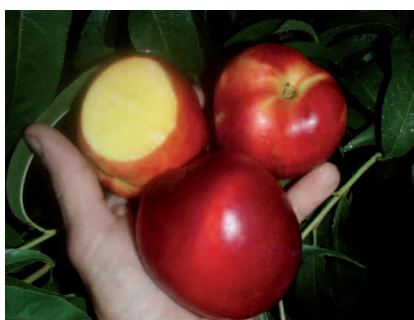
Overall field score 8/10.



FTN042 – Picked 7.12.2010

A yellow nectarine with solid, dull colour and crunchy, juicy flesh. Average fruit size is 72mm with a rounded shape. Flavour is slightly sweet with an average Brix of 13. Some russet has been reported, appearing on the calyx end and cheeks. Commercial flower density and crop load were reported for this testing region.

Overall field score 8/10.



FTN0312 – Picked 7.12.2010

A yellow nectarine with solid, bright colour and crunchy, juicy flesh. Averages 72mm in size with an oblong shape. Flavour is slightly sweet and variable depending on ripeness, and has an average Brix of 13. A heavy to commercial crop load was reported for this testing region.

Overall field score 8/10.



FTN028 – Picked 8.12.2010

A yellow nectarine with solid, bright colour and crunchy to rubbery flesh. Averages 75mm in size with an oblong shape. Flavour is balanced with an average Brix of 10. Some split stones, a large fruit tip and a commercial crop load were reported for this testing region.

Overall field score 7/10.



‘Honey Haven’ (b) – Picked 9.12.2010

A yellow nectarine with solid, dull colour and rubbery, juicy flesh. Averages 79mm in size with an oblong shape. Flavour is balanced with an average Brix of 12. Some russet and a slight to large fruit tip are reported.

Overall field score 8/10.



‘Honey Lite’ – Picked 9.12.2010

A yellow nectarine with bright and blushed skin and crisp, juicy flesh. Averages 69mm in size with a rounded, asymmetric shape and an average Brix of 13.5. Very sweet flavour and sugar spotting is reported, as well as some russet on the calyx end.

Overall field score 8/10.

**FTN0115 – Picked 10.12.2010**

A yellow nectarine with solid, bright colour and orange flesh. Averaging 71mm in size with an oblong shape. Flavour is acidic with an average Brix of 10. Some russet reported at the calyx end.

Overall field score 8/10.

**FTN0415 – Picked 11.12.2010**

A yellow nectarine with solid, bright colour and juicy flesh. Averages 76mm in size and is oblong in shape. Flavour is balanced with an average Brix of 10. A slight to large fruit tip is reported.

Overall field score 8/10.

**‘Honey Fire’ (D) – Picked 12.12.2010**

A yellow nectarine with solid, bright colour and crisp, juicy flesh. Averages 69mm in size with a rounded shape. Slightly sweet in flavour with an average Brix of 11.

Overall field score 8/10.

**FTN0412 – Picked 14.12.2010**

A yellow nectarine with red skin and sub-acid flavour. Averages 75mm in size with an elongated shape and narrow shoulders. Average Brix is 12.

Overall field score 7/10.

**FTN0117 – Picked 14.12.2010**

A white nectarine with dark red skin. Averages 75mm in size. Flavour is subacid with an average Brix of 12. Sizable amounts of russet reported.

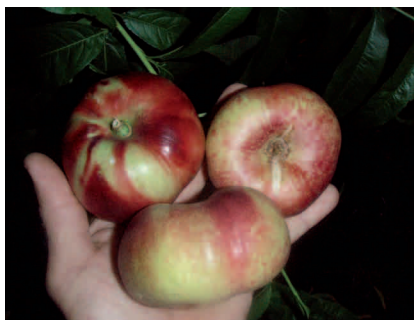
Overall field score 6/10.

**FTN0510 – Picked 15.12.2010**

A white nectarine with solid, bright colour and crunchy flesh. Averages 70mm in size with an oblong shape. Very sweet flavour with an average Brix of 12. Some russet on the calyx end has been reported.

Overall field score 7/10.

Nectarines



'Sauzee King' (D) – Picked 16.12.2010

A white, donut shaped nectarine with red skin and an average size of 74mm. The flavour is subacid with an average Brix of 15. Split stones, cracking and a low crop yield are reported.

Overall field score 4/10.



FTN045 – Picked 26.12.2010

A yellow nectarine with solid, moderate colour and crunchy, rubbery flesh. Averages 74mm in size with an oblong shape. Slightly sweet in flavour with an average Brix of 12. Some russet on the cheeks and 5% split stones reported. Average flower density and a light crop load reported for this testing location.

Overall field score 7/10.



FTN049 – Picked 1.1.2011

A yellow nectarine with solid, moderate skin colour and juicy, crunchy/rubbery flesh. Average fruit size is 68mm with a rounded shape. Flavour is slightly sweet with an average Brix of 14. Some russet reported on the cheeks of the fruit. Matures after 'Spring Bright'.

Overall field score 8/10.



FTN052 – Picked 2.1.2011

A white nectarine with moderate colour and a blushed appearance. Average fruit size is 72mm with a slightly flat shape. Flavour is slightly sweet with an average Brix of 14. Some russet is reported on the cheeks. 20% split stones reported but better results may occur in other regions.

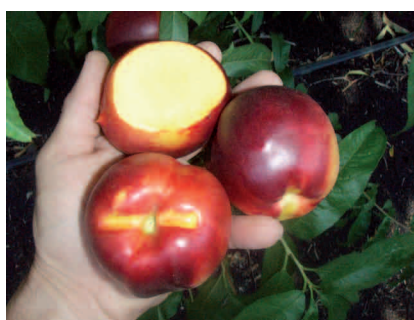
Overall field score 7/10.



FTN053 – Picked 2.1.2011

A white nectarine with bright, blushed colour and crunchy, juicy flesh. Average fruit size is 69mm with ovate shape. Flavour is very sweet with an average Brix of 14. Some russet is reported on the cheeks of the fruit. Average flower density and crop load reported.

Overall field score 9/10.



FTN044 – Picked 2.1.2011

A yellow nectarine with moderate, blushed colour and crunchy, rubbery flesh. Average fruit size is 70mm with an oblong shape. Flavour is bitter and slightly sweet with an average Brix of 13. Some russet reported on the cheeks of the fruit. Commercial crop load and average flower density reported. 10% split stones reported.

Overall field score 7/10

**FTN0716 – Picked 4.1.2011**

A white nectarine with a bright and blushed appearance. Average fruit size is 70mm with an ovate shape. Flavour is very sweet with an average Brix of 17.5. Some russet reported on the calyx end.

Overall field score 8.5.

**FTN056 – Picked 6.1.2011**

A yellow nectarine with blushed, moderate colour and crisp, juicy flesh. Averages 78mm in size with an oblong shape and a slight fruit tip. Slightly sweet in flavour with an average Brix of 15. Some russet reported on the calyx end. Commercial crop load and flower density are reported.

Overall field score 9/10.

**FTN033 – Picked 6.1.2011**

A white nectarine with blushed, moderate colour and juicy flesh. Averages 67mm in size with a rounded shape. Some russet reported on the calyx end and cheeks. Flavour is slightly sweet with an average Brix of 17. Average flower density and crop load are reported.

Overall field score 7/10.

**FTN0423 – Picked 9.1.2011**

A white nectarine with low acid flavour and an average Brix of 16. Averages 69mm in size and a reasonable amount of russet reported. Pale fruit with tree age and obvious unopened split stones reported at this testing location.

Overall field score 6/10.

**FTN075 – Picked 12.1.2009**

A pale yellow nectarine with acid flavour and an average Brix of 17. 60-66mm in size. Green appearance and very low crop reported. Pre-harvest drop reported.

Overall field score 3/10.

**FTN0715 – Picked 16.1.2011**

A white nectarine that averages 75mm in size. Subacid in flavour with an average Brix of 13. Cream coloured skin finish with low colouring and some split stones reported.

Overall field score 7/10.

Nectarines



FTN036 - Picked 20.1.2011

A yellow nectarine with a blushed appearance and juicy, crunchy flesh. Averages 76mm in size with an oblong shape. Flavour is slightly sweet with an average Brix of 13. Some russet on the calyx end reported. Strong tree vigour.

Overall field score 8/10.



FTN0112 - Picked 25.1.2011

A yellow nectarine with a blushed appearance and orange flesh. Averages 84mm in size and oblong in shape. Flavour is balanced and slightly sweet with an average Brix of 11. Some russet reported on the cheeks of the fruit. Near 'Late Fair' for seasonal timing at this testing location.

Overall field score 8/10.



FTN077 – Picked 26.1.2011

A yellow nectarine with bright, blushed colour and juicy, crunchy flesh. Averages 75mm in size with an oblong shape. Flavour is very sweet with an average Brix of 14. Some russet on the cheeks of the fruit and a potential for inking reported. A light crop reported for this testing location.

Overall field score 8/10.



FTN051 – Picked 8.2.2011

A yellow nectarine with low acid, balanced flavour and an average Brix of 12. Averages 68mm in size. A low crop yield, evident inking and sensitivity to brown rot when compared to other varieties reported.

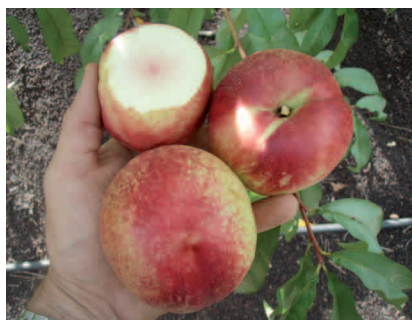
Overall field score 4/10.



FTN054 – Picked 10.2.2011

A yellow nectarine with low acid flavour and an average Brix of 12. Averages 70mm in size. A low crop, pale appearance and split stones are reported.

Overall field score 6/10.



FTN0713 – Picked 15.2.2011

A white nectarine with subacid flavour and an average Brix of 15. Averages 75mm in size. This nectarine is reported to have russet, brown staining and wrinkled skin.

Overall field score 4/10.



FTN951 – Picked 15.3.2011

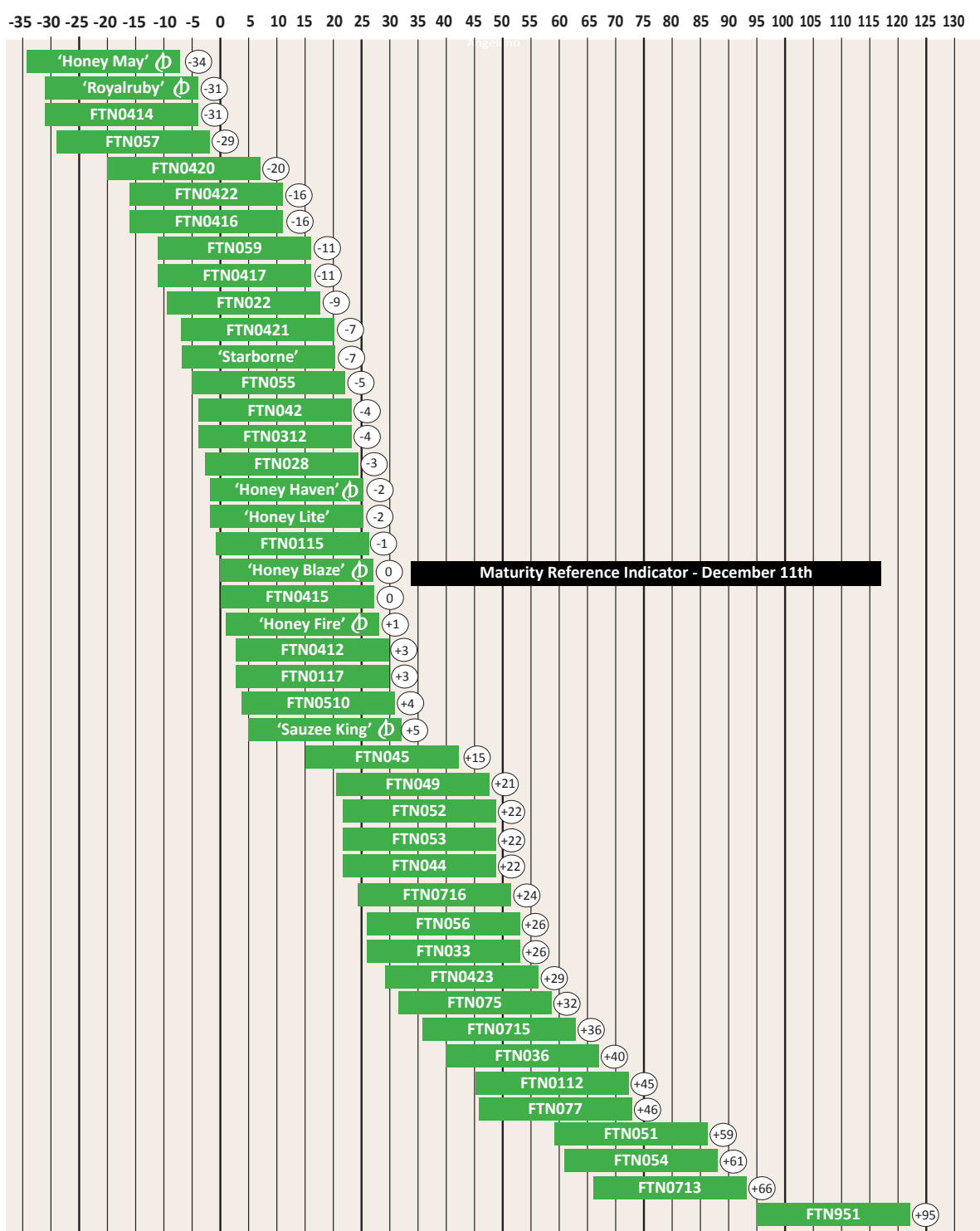
A yellow nectarine with acid flavour and an average Brix of 13. Averages 79mm in size. A low crop and pale appearance are reported.

Overall field score 4/10.

Nectarine Cultivar Maturity Chart

Maturity Reference indicator - 'Honey Blaze' (D)

'Honey Blaze' (D) matured in the Riverland region on approximately the 11th of December.



Maturity charts are intended as a guide only and maturity dates may vary due to climate and location.

Plums and Pluot® Interspecifics

*All data has been compiled
from the Riverland test site.*



'Flavor Royale' (b) – Picked 28.11.2010

A red fleshed interspecific plum with purple skin and crisp, crunchy flesh. Averages 60mm in size with a rounded shape. Flavour is balanced with an average Brix of 15. Some cracking and light limb rub reported.

Overall field score 8/10.



'Spring Flavor' (b) – Picked 29.11.2010

A yellow fleshed interspecific plum with maroon coloured skin and an average size of 60mm. Flavour is acidic with an average Brix of 10. No uniform ripening and a lower crop load are reported for this year in this testing location.

Overall field score 6/10.



FTIP0416 – Picked 3.12.2010

A yellow fleshed interspecific plum with yellow skin and an average fruit size of 67mm. Flavour is reported as acidic if too firm and unusual when soft. Average Brix of 12. Low crop load reported.

Overall field score 5/10.



FTIP056 – Picked 8.12.2010

A yellow fleshed interspecific plum with purple coloured skin and an average size of 65mm. Flavour is acidic with an average Brix of 13. A low crop yield is reported.

Overall field score 6/10.



'Rubirosa' (b) – Picked 10.12.2010

A yellow fleshed plum with a slightly flat, symmetric shape and an average fruit size of 65mm. Flavour is balanced with an average Brix of 12. A light to average crop load was reported. Matures after 'Earliqueen' and 'Flavor Royale'

Overall field score 7/10.



FTIP991 – Picked 12.12.2010

A red fleshed interspecific plum with purple skin and an average fruit size of 58mm. Flavour is acidic with an average Brix of 11. A low crop yield for this year is reported.

Overall field score 7/10.

Plums and Pluot® Interspecifics



'Early Dapple' (b) – Picked 19.12.2010

A red fleshed, bi-coloured interspecific plum with soft, juicy flesh. Light bruising reported. Round in shape with an average size of 60mm. Flavour is bland and slightly sweet – reported that flavour has been better in other years. Average Brix of 12. Light sunburn reported. An average crop load was reported with some fruit not fully developing.

Overall field score 6/10.



FTIP034 – Picked 20.12.2010

A red fleshed interspecific plum with crunchy, juicy flesh, balanced flavour and an average Brix of 11. Acidic skin and a dry taste reported. Averages 69mm in size with a slightly flat, symmetric shape.

Overall field score 7/10.



FTIP054 – Picked 23.12.2010

A yellow fleshed interspecific plum with soft, juicy flesh. Averages 62mm in size with a slightly flat shape. Flavour is balanced with an average Brix of 13. Skin has a slight acidic taste. Some cracking is reported as well as some russet on the calyx end of the fruit.

Overall field score 7/10.



'Dapple Supreme' – Picked 26.12.2010

A yellow fleshed interspecific plum with red bleeding approximately 90% into the flesh. Texture is crunchy and juicy. Averages 64mm in size with a slightly flat shape. The flavour is slightly sweet with an average Brix of 14.5. Some cracking observed as well as light limb rub.

Overall field score 7/10.



FTIP057 – Picked 31.12.2010

A yellow fleshed interspecific plum with juicy flesh, a medium texture and acidic skin. Fruit averages 62mm in size with a slightly flat shape. Flavour is bland and acidic with an average Brix of 12. Moderate limb rub reported. A heavy flower density and crop load are reported.

Overall field score 7/10.



FTIP058 – Picked 1.1.2011

A red fleshed interspecific plum with crisp, crunchy and juicy flesh. Skin is acidic. Averages 62mm in size and has an average Brix of 14. 2% split stones and some cracking is reported. An average yet commercial crop load is reported.

Overall field score 8/10.

Plums and Pluot[®] Interspecifics



FTIP045 – Picked 5.1.2011

A red fleshed interspecific plum with maroon coloured skin, averaging 66mm in size. Flavour is low acid with an average Brix of 13. Good crop and size reported, but appearance and flavour lacking.

Overall field score 6/10.



'Dapple Fire' (D) – Picked 14.1.2011

A red fleshed, bi-coloured interspecific plum with juicy, medium textured flesh. Averages 62mm in size with an ovate shape. Flavour is acidic and slightly sweet, with a tendency to be too acidic if picked too early. Some cracking and a heavy to commercial crop load are reported.

Overall field score 7/10.



'Primetime' (D) – Picked 14.1.2011

A red fleshed plum with crunchy, juicy flesh that can be chewy. Skin is slightly acidic. Averages 65mm in size with an ovate shape. Flavour is acidic and slightly sweet with an average Brix of 15. Light limb rub and some cracking reported. Average to commercial crop loads reported.

Overall field score 8/10.



FTIP0214 – Picked 16.1.2011

A red fleshed, bi-coloured interspecific plum with crunchy, juicy flesh. Averages 65mm in size with a rounded shape. Flavour is bland and slightly sweet with an average Brix of 13. Light sunburn, light limb rub and some cracking observed. Commercial flower density and crop load are reported. Matured just before 'Dapple Dandy' at this testing location.

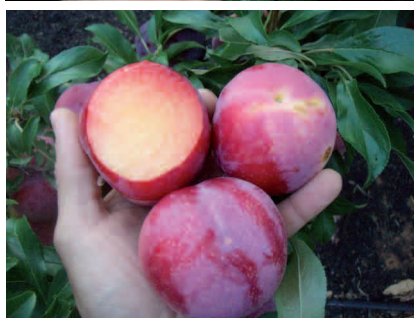
Overall field score 7/10.



FTIP039 – Picked 22.1.2011

A red fleshed interspecific plum with juicy, medium textured flesh. Averages 59mm in size with a rounded shape. Flavour is balanced and slightly sweet with an average Brix of 14. Heavy flower density and crop loads reported.

Overall field score 7/10.



FTIP053 – Picked 23.1.2011

A yellow fleshed interspecific plum with approximately 40% red bleeding into the flesh under the skin. Averages 63mm in size with a rounded shape. Flavour is balanced and slightly sweet with an average Brix of 12. Some cracking observed. Commercial flower densities and crop load reported.

Overall field score 7/10.

Plums and Pluot® Interspecifics



FTIP001 – Picked 31.1.2011

An interspecific plum with yellow/green flesh and low acid flavour. Average size is 60mm, and average Brix is 13. A low crop is reported at this testing location.

Overall field score 6/10.



‘Crimson Royale’ – Picked 4.2.2011

A yellow fleshed interspecific plum with maroon coloured skin and an average size of 60mm. Flavour is low acid with an average Brix of 15. Rain cracks, stone burn, elongated shape and tip, limb rub and a medium crop load are reported.

Overall field score 4/10.



FTIP052 – Picked 12.2.2011

A yellow fleshed interspecific plum with maroon coloured skin and an average size of 65mm. Flavour is mild and low acid with an average Brix of 15. A high crop yield and some browning due to heat were reported.

Overall field score 7/10.



FTIP993 – Picked 21.2.2011

A red fleshed interspecific plum with soft, rubbery and juicy flesh. Light bruising reported. Averages 72mm in size with a slightly flat shape. Flavour is mild, possibly due to weather conditions. Average Brix score is 13.5. Light limb rub and average crop loads reported.

Overall field score 7/10.



FTIP992 – Picked 25.2.2011

A red fleshed interspecific plum with maroon skin and an average size of 60mm. Flavour is mild and acidic with an average Brix of 13. Some pre-harvest drop reported. Medium crop load.

Overall field score 6/10.



‘Black Kat’ (b) – Picked 4.3.2011

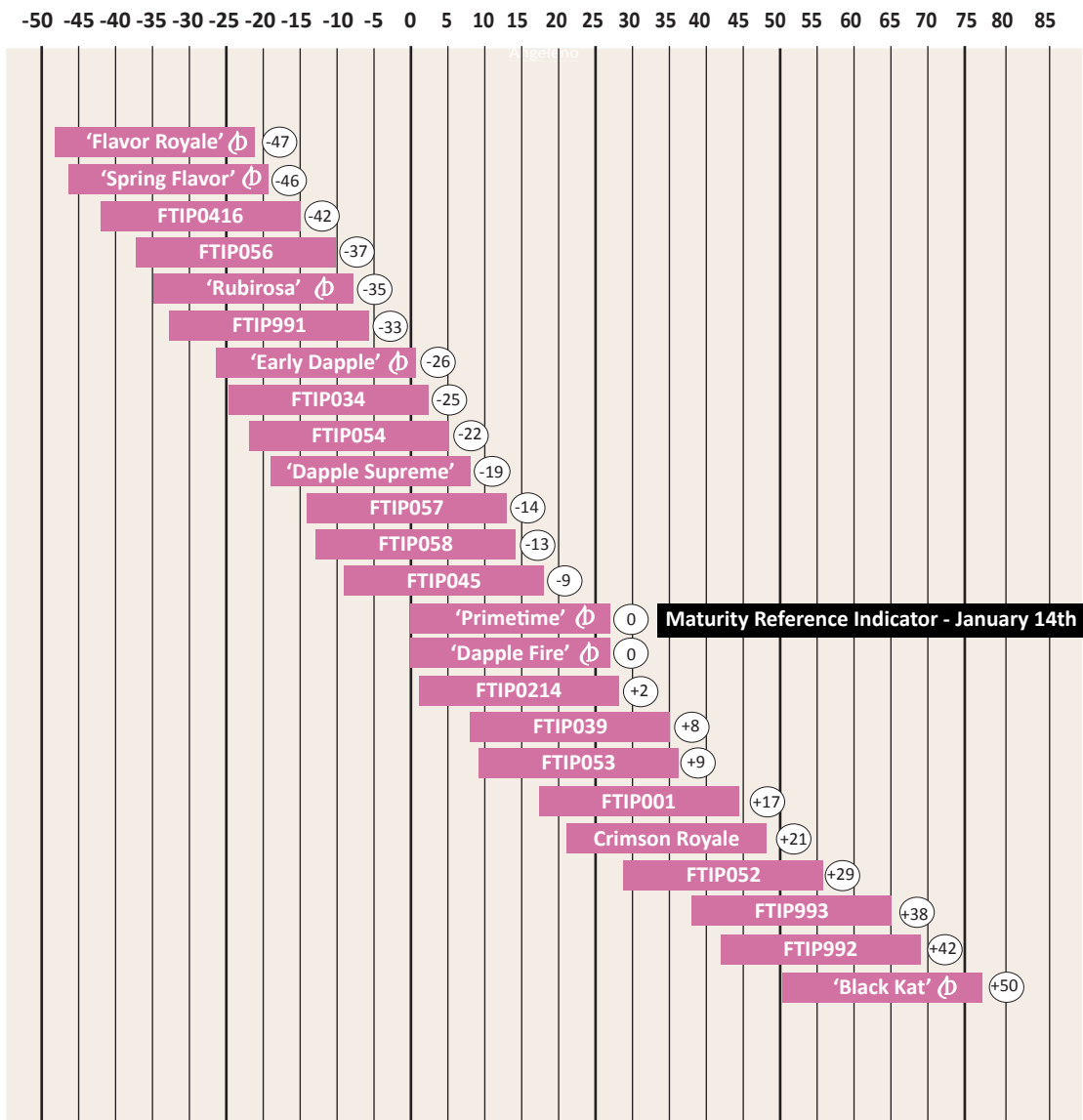
A yellow fleshed interspecific plum with crisp, juicy flesh. Averages 65mm in size with a rounded shape. Flavour and sweetness are mild with an average Brix of 15. Commercial flower density and crop loads reported.

Overall field score 7/10.

Plum and Pluot® Interspecific Cultivar Maturity Chart

Maturity Reference indicator - 'Primetime' (D)

'Primetime' (D) matured in the Riverland region on approximately the 14th of January.



Maturity charts are intended as a guide only and maturity dates may vary due to climate and location.



FTIA053 – Picked 12.11.2010

A bright orange interspecific apricot with hard flesh and an oblong shape. Averages 51-54mm in size. Flavour is acidic with an average Brix of 14. Average flower density and a heavy crop load are reported for this testing location.

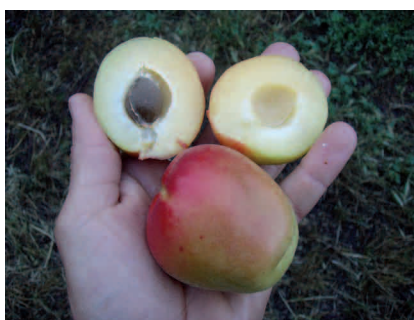
Overall field score 4/10.



'Wescot' (b) – Picked 20.11.2010

A bright apricot with red blush and hard flesh. Averages 55mm in size with an ovate shape. Flavour is aromatic with an average Brix of 12. Light bruising present. A heavy crop load was reported for this testing location.

Overall field score 9/10.



FTA053 – Picked 1.12.2010

A low acid apricot with yellow flesh and an average Brix of 12. Averages 57mm in size. Flavour described as bland, shape reported as ugly. Low crop load reported.

Overall field score 5/10.



FTA061 – Picked 2.12.2010

A bright and blushed apricot with orange flesh and balanced flavour. Averages 48mm in size with an oblong shape and an average Brix of 13. Some cracking evident. A commercial flower density and heavy crop load are reported.

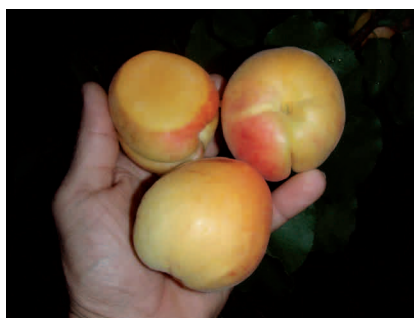
Overall field score 8/10.



FTA052 – Picked 3.12.2010

A low acid apricot with yellow flesh and an average Brix of 12. Averages 60mm in size. Low crop load reported for this testing location. Described as pale and spongy, with firmness also being an issue.

Overall field score 4/10.



FTIA052 – Picked 3.12.2010

An interspecific apricot with orange skin, orange flesh and acidic flavour. Averages 65mm in size with an average Brix of 12. Medium crop load. Fruit is described as being big and lumpy with a tendency for a green shoulder and spongy flesh that is pasty when soft.

Overall field score 6/10.

Apricots



FTIA051 – Picked 10.12.2010

An interspecific apricot with orange skin and flesh. Averages 58.5mm with an average Brix of 10. Flavour is acidic, but described as not being good enough when the fruit is firm.

Overall field score 6/10.



'Cot N Candy' (b) – Picked 15.12.2010.

An interspecific apricot with dull, blushed skin and yellow flesh. Averages 44mm in size with a rounded shape. Flavour is very sweet with an average Brix of 22. Light bruising reported. Some generalised russet, light sunburn and some cracking reported. Average flower density and a commercial crop load are reported.

Overall field score 7/10.



FTA051 – Picked 22.12.2010

An orange coloured apricot with orange skin and acidic flavour. Averages 64mm in size with an average Brix of 12.

Overall field score 5/10.



'Brittany Gold' (b) – Picked 12.1.2011.

An orange-fleshed apricot with a rounded shape and an average fruit size of 57mm. Flavour is acidic and not very sweet with an average Brix of 16. A large suture, bumpy skin and some stone burn are reported, as well as some cracking. Commercial flower density and crop loads are reported.

Overall field score 7/10.



FTA022 – Picked 22.1.2011

An orange apricot with orange flesh and an average size of 55mm. Slight green suture reported. Average Brix is 13 with low acid flavour. Medium crop load reported.

Overall field score 6/10.



'Earli Autumn' – Picked 1.2.2011

An orange apricot with orange flesh and an average size of 47mm. Flavour is low acid with an average Brix of 17. A high crop yield is reported for this testing location. Some stone burn and wrinkled skin evident due to heat.

Overall field score 6/10.



'Autumn Glo' – Picked 22.2.2011.

An orange apricot with an average size of 53mm and an oblong shape. Flavour is bland with an average Brix of 14. Light bruising reported. May suit a cooler climate for better flavour.

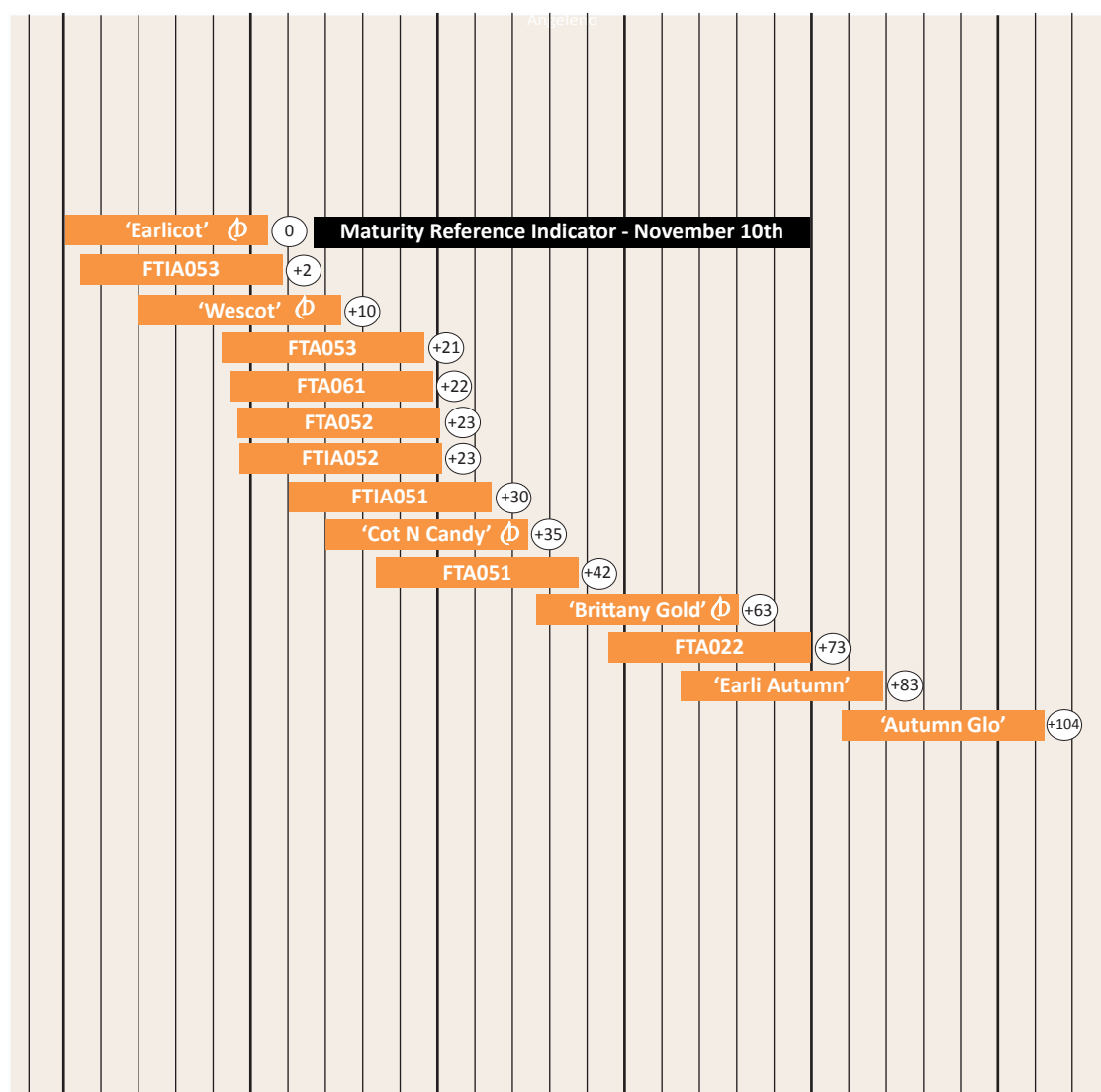
Overall field score 7/10.

Apricot Cultivar Maturity Chart

Maturity Reference indicator - 'Earlicot' ♂

'Earlicot' ♂ matured in the Riverland region on approximately the 10th of November.

-5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140



Maturity charts are intended as a guide only and maturity dates may vary due to climate and location.



FTC991 – Picked 30.11.2010

A red fleshed cherry with a soft, juicy texture. Averages 29mm in size with an ovate, symmetric shape. Flavour is balanced and slightly sweet with an average Brix of 18. Average flower density and a commercial crop load are reported.

Overall field score 9/10.



‘Royal Edie’ (D – Picked 5.12.2010

A red fleshed cherry with bright colour and juicy, crunchy flesh. Averages 27mm in size with a slightly flat and symmetric shape. Flesh is very sweet with an average Brix of 22. Some cracking around stem and along suture reported. Heavy to commercial flower density and crop loads reported.

Overall field score 8/10.



Black Star™ (cv. ‘Panaro Four’) (D – Picked 7.12.2010

A red fleshed cherry with dull colour and a juicy, medium texture. Averages 27mm in size with a slightly flat and symmetric shape. Flesh is very sweet with an average Brix of 21.5. Some cracking and stem tear are reported from this testing location. A light flower density and crop load are reported.

Overall field score 8/10.



FTC012 – Picked 12.12.2010

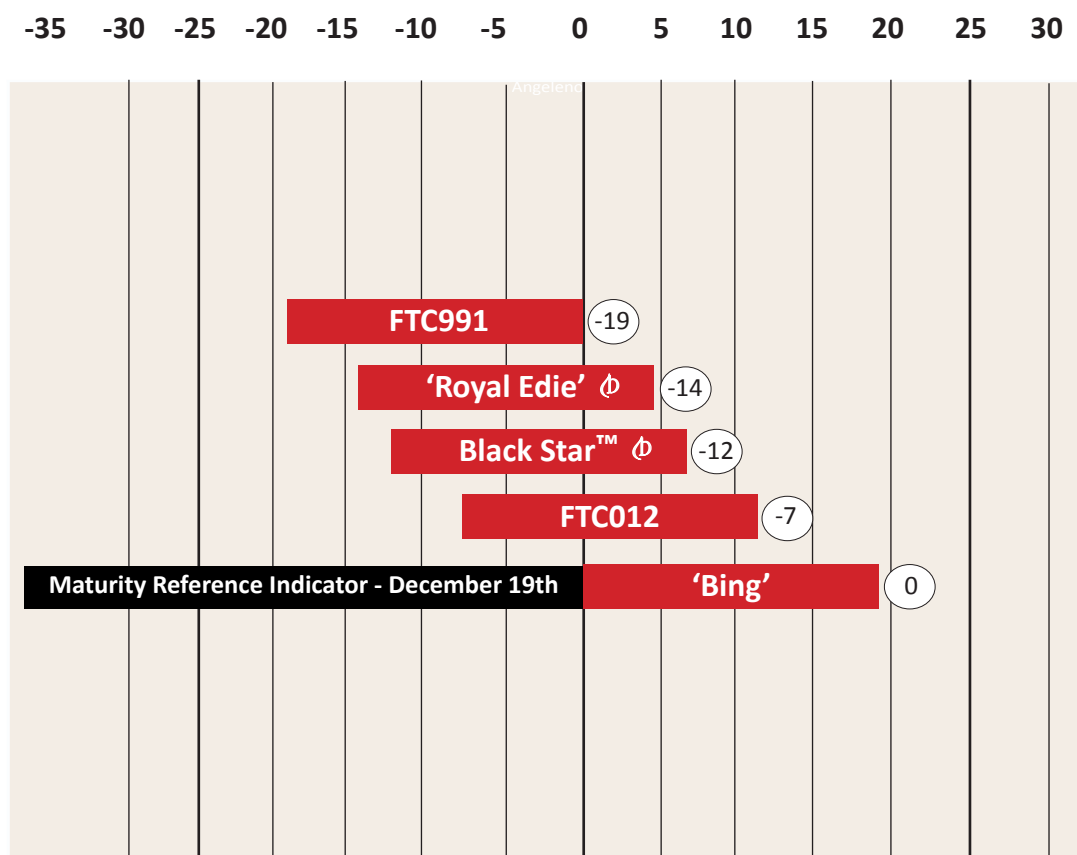
A red fleshed cherry with bright colour and a juicy, medium texture. Averages 21mm in size with a rounded shape. Flavour is slightly sweet with an average Brix of 15. Some stem tear and cracking are reported. Heavy flower density and crop loads reported. It has been noted that this variety was overcropped due to its being grown on ‘GiSelA 6’ (D rootstock, a characteristic of which is to cause precocity in trees.

Overall field score 7/10.

Cherry Cultivar Maturity Chart

Maturity Reference indicator - 'Bing'

'Bing' matured in the Riverland region on approximately the 19th of December.



Maturity charts are intended as a guide only and maturity dates may vary due to climate and location.

If you wish to learn more about this exciting initiative, please contact
Graham's Factree on **(03) 9999 1999** or email **evaluationproject@factree.com.au**



Horticulture Australia



Continuing the Fleming Family Tradition

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