

Continuing the Fleming Family Tradition Annual Evaluation Report

2012 - 2013



Contents

Background	3
Foreword from Graham Fleming	4
Evaluation Program structure	5
The Zaiger Genetics Breeding Program	6
The Pipeline trips	7-8
The evaluation sites and climatic details charts	9-12
Rising Star Nominations	13
Evaluation rigour and interpretation of evaluation scores	13-15
Example of Stage 1 and Stage 2 evaluation sheets	16
Yellow Peaches	17-22
White Peaches	22-25
Yellow Nectarines	25-31
White Nectarines	31-33
Plums And Pluot [®] Interspecifics	34-37
Apricots	38
Cherries	39
Complex Interspecifics	40
Complex Interspecifics Maturity Chart	40
Plums And Pluot [®] Interspecifics Maturity Chart	41
Yellow Peach Maturity Chart	42
White Peach Maturity Chart	43
Yellow Nectarine Maturity Chart	44
White Nectarine Maturity Chart	45
Apricot Maturity Chart	46
Cherry Maturity Chart	47



Deliver Protected under Plant Breeder's Rights Act 1994.

Unauthorised commercial propagation or sale, conditioning, export, import or PBR() Unauthorised commercial propagation of sale, containing stocking of propagating material of this variety is an infringement under the Australia Plant Breeder's Rights Act 1994

IMPORTANT NOTICE - DISCLAIMER

Graham's Factree Pty Ltd and our officers and employees together with Horticulture Australia Limited and anyone associated with the cultivar evaluation program in any way ('We'), provide the information in this publication as a guide only. We do not warrant or represent that the information provided in this publication is free from errors or omissions or is suitable for your intended use. Subject to any terms implied by law which cannot be excluded, we disclaim all liability for any harm, loss or damage, including but not limited to any loss or damage caused by pests, diseases and/or viruses, or caused or resulting from your use of or reliance on any of the information provided in this publication. We strongly recommend that you obtain independent advice before you make any decisions in reliance on this publication. Specifically you should make and rely on your own enquiries in relation to any district performance, cropping ability, pollination or any other aspect of the cultivars and/or rootstock mentioned in this publication. Our liability for a breach of a condition or warranty implied by law and which cannot be excluded, is limited to the extent possible, at our option, to:

the supply of the relevant replacement trees, or equivalent trees; or

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

Season 2012 - 2013





Project MT10051

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

1. 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 presently funded for an initial period of four years. The primary goal of the project 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.

Included in this publication are summarised descriptions of the fruit which have been derived directly from the evaluation data provided by evaluators from the Project's evaluation sites.

If you wish to learn more about this exciting initiative, please contact Graham's Factree on (03) 9999 1999, visit the Project Website at www.evaluations.factree.com.au or email evaluationproject@factree.com.au to receive more information.



2. Foreword from Graham Fleming

I am a firm believer that new varieties drive innovation in the fruit industry. They provide new features and benefits to attract consumers, new agronomic advantages for growers, the chance to replant with more productive management systems as well as a number of other advantages.

At the same time, choosing the right new varieties is also one of the biggest risks a grower faces. Planting a new orchard is expensive. If the variety is not wanted by the market, or doesn't perform agronomically, that investment can be wasted.

That is why Graham's Factree has invested in this project. The data the project provides is our way of assisting growers to better manage new variety risk.

Now at the end of its third year, the project is getting to an exciting stage. Around 400 varieties were evaluated this year. We have now planted 5 summerfruit sites and 3 cherry sites across Australia with additional cherry sites scheduled for planting this year. The first evaluations of the 400+ interspecific varieties were completed this year. Most importantly, for the first time this year, we saw evaluations of fruit at some of the regional secondary sites. By next year all the summerfruit secondary sites will be bearing. We will then have a comprehensive national evaluation program for new summerfruit varieties. We will also have indications of varieties that may not be suited to particular regions.

I am a firm supporter of this project. I acknowledge and thank each of our evaluators for the work they - and (in many cases) their regional association colleagues - put into the project. Graham's Factree appreciates the support of Horticulture Australia Limited and in particular our Program Manager, Dr Alok Kumar. Lastly, but by no means the least, I thank my staff team for their coordination and management of the project.

I hope you find the information in the report valuable for contemplating new variety decisions.

Graham Fleming, Managing Director, Graham's Factree Pty Ltd



3. Evaluation Program Structure

The structure of the project for summerfruit is presented in Figure 1 and described below. The structure for cherry varieties is similar with the Primary Site being in Wangaratta and Secondary Sites being in the Adelaide Hills, Southern Victoria, Tasmania and Young NSW.

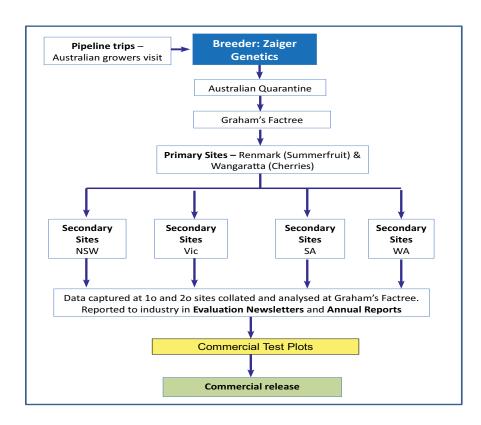


Figure 1: Program structure for summerfruit

The project starts with the Pipeline Trips where suitably qualified Australian growers and other industry personnel visit the breeding plots at Zaiger Genetics in Modesto, California. Each year the grower participants in the Pipeline Trips, together with Graham's Factree staff, identify the next generation of peaches, nectarines, plums, apricots, cherries and interspecifics to bring into Australia.

The chosen varieties come into Australian quarantine and after being shown to be free of known quarantineable viruses are released to Graham's Factree for initial propagation. Initially, trees are propagated for the Primary Site at Renmark for stonefruit and Wangaratta for cherries. Over the first few years of the project a wide range of interspecific summerfruit varieties were also evaluated at the Primary Site.

Varieties showing no serious faults are promoted for more detailed evaluation at the Secondary Sites in Renmark, Swan Hill, the Goulburn Valley and the Perth Hills. All Secondary Sites now have quite a range of varieties planted (see Table 1) and all Secondary Sites will bear fruit in the 2013/14 season.

Data collected at the Primary and Secondary Sites are collated and analysed at Graham's Factree and published (for access by the whole industry) in the Evaluation Newsletters, on the Evaluation Project website, and in the Annual Report. Only data from Secondary Evaluations are now published in the Annual Report.

Varieties of particular interest will be provided to growers to further evaluate in their own conditions. A number of channels to commercialisation for promising varieties will be explored and progressed including the introduction of such varieties into larger Commercialisation Test Plots (50 trees is the indicative size of the commercialisation plots) for commercial scale evaluations (eg. Evaluations of fruit over the packing line and by supply chain partners including marketers and retailers) to be conducted.

4. Innovation in the fruit industry - the importance of the Zaiger Genetics breeding program

The Zaiger Genetics breeding program is one of the largest stonefruit breeding programs in the world. It is also one of the most innovative. The innovations that have arisen from the program have led to a range of new stonefruit products that this project (MT10051) is now evaluating in Australia.

Sub-acid Varieties. The first innovative new products, developed by Zaiger Genetics in the 1990s, were the sub-acid range of white-fleshed peaches and nectarines. These were novel in their day and opened Asian export markets for Australian growers. They had two main attributes; sub-acid flesh, such that the fruit tasted sweeter than fruit with a normal acid profile, and a more robust texture that allowed better storage and shipping performance. The sub-acid trait was also extended to yellow-fleshed peaches and nectarines. These yellow flesh varieties have the same firm-ripe texture and higher sugar to acid balance as the sub-acid white flesh varieties.

Interspecific Varieties. Perhaps the most innovative aspect of the program is the development of inter-specific varieties based on crosses between apricots and plums, nectarines and plums, peaches and plums and cherries. These innovative varieties allow the combination of the most consumer-wanted traits from the various crops into new fruit types. These new fruit types provide an exciting prospect for the Australian industry.

A large number of interspecific varieties — over 400 - are undergoing Stage 1 evaluation at the Primary Summerfruit Site at Renmark. Fruit from the first of these trees, which were planted in 2010, has been seen for the last two years. It is hoped that some new products for the Australian industry will be developed from these varieties.

Other variety development at Zaiger Genetics. New selections currently under development at Zaiger Genetics (but not necessarily imported into Australia) include

- varieties with low winter chilling requirements
- dwarf and semi-dwarf varieties
- dwarfing rootstocks and extremely vigorous semi-dwarfing rootstocks
- nematode and disease resistant rootstocks
- extra-early-ripening and extra-late-ripening varieties
- further low acid, high flavour white fleshed peaches and nectarines
- low acid, high flavour experimental varieties
- prunes with improved "dry away" and very high sugar contents
- canning and drying apricots
- extra-large and very-late-shipping apricots
- canning clingstone peaches

Zaiger Genetics also breed apples, European pears, Nashi pears, European/Nashi hybrid pears and ornamental varieties.



5. The Pipeline trips

The Pipeline Trips seek to harness the knowledge and experience of Australian growers to help select the varieties to bring into Australia. The Pipeline Trips take Australian industry members to Modesto, California, where the Zaiger breeding program is located.

The visit has two main components:

Attendance at the Zaiger Genetics weekly Variety Showcase. This is where the Pipeline participants have the chance to walk the breeding plots with the staff of Zaiger Genetics. This is a wonderful opportunity to evaluate the fruit characteristics (size, appearance, taste, texture etc) and tree characteristics (crop load, vigour, habit etc) of new varieties.

Visits to other members of the supply chain dealing with the Zaiger varieties. These visits provide an opportunity to obtain feedback about particular varieties from nurseries producing trees, growers producing fruit, packer/shippers presenting fruit for market and distributing it nationally. This experience adds greatly to the commercial relevance of a variety recommendation.

As can be seen from Figure 1 (page 5), releasing a new variety is a slow and expensive process. It takes a number of years to go from identifying a variety with potential overseas, to bringing it through quarantine in Australia, to evaluating the variety in Australia and eventually producing fruit for sale. The experience of the participants in the Pipeline Trips helps Graham's Factree to select the best varieties to be imported and to avoid importing varieties with lesser potential for Australian conditions.

When reviewing possible importation candidates the choice is extensive. In an average season of Showcases, Zaiger Genetics can present between 25 and 60 varieties a week depending on the time of the season. Over a full season, this equates to literally hundreds of varieties that could be given consideration for importation into Australia.

Commercial reality allows the importation of "tens" of varieties each year – not hundreds. Narrowing down the pool to choose from is done with help from Zaigers themselves and the experienced Australian people on the Pipeline trips.

To cover most of the season, the Evaluation Project has the capacity for ten Pipeline Trips each year. Each trip is partly funded and requires a financial contribution on behalf of the person taking the trip as well as a commitment to represent the Project Team in a professional manner. Each participant must provide detailed fruit evaluations, photos and reports outlining their findings and recommendations back to the Project Team.

The Pipeline Trips provide an invaluable opportunity for industry to become involved in selecting varieties to import into Australia. The trips also provide growers with a chance to travel overseas to view new variety selections and to experience and learn from the California summerfruit industry.



Variety Showcase - travelling the field plots at Zaiger Genetics and evaluating fruit on site.



6. The Evaluation Sites – Locations, Evaluators and Climates

6.1 Sites, Locations, Evaluators and number of varieties being evaluated

The geographical spread of the locations of the evaluation sites used in the project are depicted in Figure 2.

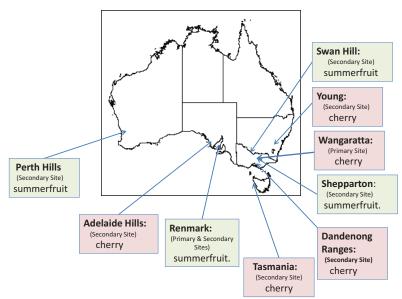


Figure 2: Locations of summerfruit and cherry evaluation sites. Boxes labelled green are summerfruit sites and boxes labelled pink are cherry sites.

Details of the sites are presented in the Table 1 below.

Table 1: Details of the Primary and Secondary sites for summerfruit and cherries

Region	Varieties evaluated	Regional Association	Evaluator	No of varieties planted
Renmark, SA	Primary and secondary sites for summerfruit	SAFFGA, Quality Fruit Marketing group	Jason Size	570 (includes 400+ interspecific varieties)
Perth Hills, WA	Secondary, summerfruit	Hills Orchard Improvement Group	Jeff Ghiladucci, Wayne Ghiladucci	57
Shepparton, Vic	Secondary, Summerfruit	Fruit Growers Victoria	Michael Cisera, Rocky Varapodio	63
Swan Hill, Vic	Secondary, summerfruit	-	Jeff Sibley	57
Wangaratta, Vic	Primary, cherries	Victorian Cherry Association	Tim Jones	31
Young, NSW	Secondary cherries	-Site details being finalised		20 to be planted in winter 2013
Dandenong Ranges, Vic	Secondary, cherries	Victorian Cherry Association	Steve Chapman	20 to be planted in winter 2013
Adelaide Hills, SA	Secondary cherries	Cherry Growers Association of South Australia Inc.	lan Sparnon	30
Tasmania	Secondary cherries	Site details being finalised		20 to be planted in winter 2013

6.2 Site Climatic Details

The following tables provide climatic data for the summerfruit and cherry evaluation sites. This data has been taken from the Bureau of Meteorology website.

Table 2: Climatic data for Renmark, Perth, Shepparton, Swan Hill, Wangaratta, Young, Dandenong Ranges, Lenswood

Renmark	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max Temperature (°C)	33.6	32.7	28.7	24.5	20.0	16.8	16.2	18.6	22.0	24.8	28.9	31.0	24.8
Mean Min Temperature (°C)	16.2	16.2	12.7	8.8	6.4	4.6	3.7	4.5	6.7	8.9	12.5	14.1	9.6
Mean rainfall (mm)	18.1	20.0	13.7	16.2	16.2	21.3	20.9	21.9	23.7	27.0	22.8	23.3	245.0
Mean no. of days of rain ≥ 1 mm	1.9	2.2	2.2	2.5	3.5	5.1	5.2	4.7	3.8	3.8	3.8	2.7	41.4

Perth	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max temperature (°C)	31.7	31.9	29.7	25.5	21.8	18.9	17.9	18.5	20.1	22.6	25.8	28.9	24.4
Mean Min temperature (°C)	17.0	17.5	15.9	12.9	10.4	9.0	8.0	8.0	8.8	10.2	12.7	14.9	12.1
Mean rainfall (mm)	9.7	14.4	16.3	40.9	99.4	162.0	157.3	117.3	72.2	44.3	26.9	11.4	772.7
Mean no. of days of rain ≥ 1 mm	1.4	1.5	2.2	5.4	9.9	14.3	14.9	13.0	10.2	6.7	4.4	2.3	86.2

Shepparton	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max temperature (°C)	29.5	29.4	26.2	21.5	17.2	14.0	13.0	14.7	17.4	20.9	24.6	27.3	21.3
Mean Min temperature (°C)	14.1	14.4	11.7	8.2	5.7	3.7	2.9	3.9	5.4	7.5	10.2	12.2	8.3
Mean rainfall (mm)	33.4	34.1	34.9	33.8	44.4	43.6	48.1	47.2	43.4	47.8	40.1	34.2	484.1
Mean no. of days of rain ≥ 1 mm	3.3	2.9	3.8	4.6	6.5	7.2	8.6	8.6	7.0	6.9	5.2	4.3	68.9

6.2 Site Climatic Details

Swan Hill	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max Temperature (°C)	33.0	32.2	28.2	23.7	18.7	15.4	14.6	16.8	20.2	23.8	28.1	30.2	23.7
Mean Min temperature (°C)	15.9	16.0	12.6	8.8	6.0	4.2	3.6	4.0	5.9	7.8	11.8	13.4	9.2
Mean rainfall (mm)	29.0	23.5	17.5	15.0	24.8	22.7	29.0	28.6	25.6	24.3	48.8	22.2	309.9
Mean number of days of rain ≥ 1 mm	2.6	2.2	2.0	2.4	3.8	4.7	5.5	5.2	4.9	3.4	5.1	3.1	44.9

Wangaratta	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max temperature (°C)	31.9	30.9	27.4	22.4	17.5	14.0	12.9	14.5	17.5	21.2	25.7	28.9	22.1
Mean Min temperature (°C)	14.1	13.9	10.6	6.8	4.2	3.0	2.4	3.0	4.6	6.4	9.5	11.6	7.5
Mean rainfall (mm)	40.0	48.5	41.5	37.5	57.6	67.6	66.6	58.4	55.0	51.7	53.5	41.9	619.9
Mean number of days of rain ≥ 1 mm	3.9	3.8	3.6	4.2	6.6	9.3	10.2	9.5	7.9	6.1	5.6	5.0	75.7

Young	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max temperature (°C)	31.7	30.3	27.0	22.7	17.8	13.9	12.9	14.6	17.8	21.6	25.9	28.9	22.1
Mean Min temperature (°C)	14.6	14.7	10.9	6.4	3.2	2.3	1.0	1.3	3.1	5.4	9.5	11.8	7.0
Mean rainfall (mm)	38.9	54.9	44.7	28.4	36.4	58.9	57.9	51.8	51.1	48.3	65.7	61.4	598.5
Mean number of days of rain ≥ 1 mm	4.7	4.6	4.2	3.1	4.7	7.2	8.4	6.9	6.3	5.2	6.3	4.9	66.5

6.2 Site Climatic Details

Dandenong Ranges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max temperature (°C)	22.1	22.9	19.7	15.4	11.7	8.8	8.2	9.6	11.6	14.8	17.3	19.9	15.2
Mean Min temperature (°C)	11.5	12.6	11.3	9.0	6.9	4.4	3.6	4.2	5.0	6.8	8.3	9.8	7.8
Mean rainfall (mm)	70.2	61.2	74.6	102.0	129.6	98.4	95.5	116.8	106.0	104.8	109.4	95.7	1165.9
Mean number of days of rain ≥ 1 mm	7.7	5.7	8.8	9.8	14.0	13.1	14.6	14.8	13.3	13.0	11.4	9.8	136.0

Lenswood	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max temperature (°C)	25.4	26.1	22.9	18.9	15.0	12.1	11.4	12.5	14.7	17.8	20.8	23.4	18.4
Mean Min temperature (°C)	12.9	13.5	12.2	10.5	8.6	6.7	6.0	6.3	7.2	8.5	10.0	11.5	9.5
Mean rainfall (mm)	30.7	26.3	42.1	72.9	112.0	136.7	158.0	148.3	115.9	77.7	46.3	43.6	1004.3
Mean number of days of rain ≥ 1 mm	3.9	3.0	4.8	7.5	10.2	12.5	13.8	14.3	11.5	8.7	5.9	5.5	101.6

7. Rising Star Nominations

In the same way as the Australian Football League nominates new players that show particular potential as their "Rising Stars", this section of the Annual Report identifies varieties that our evaluators believe are worthy of closer scrutiny by the industry.

Table 3: Varieties no	minated as "Rising	Stars" for the	2012/13 season

Name / ID	Туре	S	tage 2 Ratir	ng
		2011	2012	2013
'Wescot'	Interspecific Apricot	8	7.5	
'FTIP084'	Interspecific Plum		7.5	
'FTIP0818'	Interspecific Plum			7
'FTN053'	White Nectarine	7.5	7	
'FTP079'	White Peach		7.5	7
'FTP102'	White Peach			7.5
'FTN042'	Yellow Nectarine	7.5	7	
'FTN049'	Yellow Nectarine	7.5	6.5	
'FTP055'	Yellow Peach	8.5	7	
'FTP043'	Yellow Peach	7.5	7	
'FTP046'	Yellow Peach	7.5	7	
'FTP0810'	Yellow Peach		7.5	
'Red Fall'	Yellow Peach			7.5
'Royal Pride'	Yellow Peach		6.5	

8. Evaluation Rigour and Interpretation of Evaluation Scores

8.1 Evaluation Rigour

The project goes to considerable effort to train regional evaluators so that

- each evaluator uses the same process to evaluate a variety;
- each evaluator reports the results of the evaluation in the same way.

As regional Stage 2 evaluations started in 2012/13, in November 2012, evaluators were brought to the primary summerfruit site at Renmark for training and "calibration" – to ensure results are captured and reported the same way between regional sites.



Evaluators training field day at the Summerfruit primary site near Renmark, November 2012

Training evaluators to complete fruit assessments – at Evaluators Field day, November 2012



8.2 Stage 1, Stage 2 and interpretation of evaluation results

Varieties undergo Stage 1 and Stage 2 evaluations.

Stage 1 evaluations occur at the Primary Site and are of a "pass or fail" nature. Stage 1 evaluation aims to eliminate varieties that have serious flaws making them non-commercial. Varieties that pass Stage 1 are promoted to Stage 2 evaluation at the regional secondary sites. Stage 1 data is not provided in this Annual Report but can be viewed on the Graham's Factree website.

Stage 2 evaluations occurs at four regional sites (Table 1). Stage 2 evaluations are more detailed and provide information closer to that required by a grower for a commercial decision related to whether to plant the variety or not. In future years, the regional differences in performance will be particularly valuable to growers. All the data provided in the latter sections of this Annual Report relate to Stage 2 evaluations.

The evaluation check lists, used for both Stage 1 and Stage 2 evaluations are provided on Page 16.

Scoring varieties and Interpreting scores. To allow varieties to be directly compared, they are given a score. As can be seen from the checklists on page 16, the overall score quoted for a Stage 2 evaluation is the average of the scores for skin/appearance characteristics, flesh characteristics, fruit characteristics and tree characteristics.

To provide readers with the ability to interpret the overall scores the following 'definitions' are provided (for Stage 2 evaluations only).

5/10 = poor variety and should be discarded

6/10 = variety displays some negative attributes but needs further consideration

7/10 = variety is equal to the current commercial variety available to growers

8/10 and above = variety is very good and should be further evaluated by individual growers to see if it meets their needs.

Regardless of the information provided in this report, growers must always make their own decisions about planting a variety, taking into account:

- their orchard and its unique growing conditions
- the marketing program for which the fruit will be utilised

The following pages include summarised descriptions of the fruit evaluations taken from the summerfruit secondary site at Renmark, plus evaluations for a number of cherry varieties.

8.3 Stage 1 and Stage 2 evaluation sheets.

Stem end Spreading Slight Slight Slightly so Soft Bright Stem bowl Overall Score /10 Bland | Medium Moderate Commercial Asymmetric ☐ Flat Flesh /10 Rubbery **Skin /10** l Lenticel Evident Deep Soft Crunchy

Fine/melting Colour Intensity | Dull Bi-coloured
Orange Slightly flat ☐ Dark Red Heavy | Yellow High Stage 2 Evaluation Fruit/10 Full Bloom Rootstock 2nd Pick Location Variety Blushed
Green
Red
Yellow/Green
Moderate Green White Pellow Fruit Indent Balanced Firmness Crisp
Medium
Under skin □ Rounded Slight Spur Type Severe ☐ Thick Coarse
Grainy/gritty
Around stone Purple Green Light Light Light Flat Calyx end ☐ Very sweet Absent Cream Oblong | Absent Hard | Hard | None ☐ Large □ None □ Acid Date of Evaluation Ave Fruit Size mm **Evaluator Name** Skin Thickness Russet Position Flower Density Split Stone % Fruiting Habit Flesh Texture Fruit Doubles Fruit Shape Tree Vigour Crop Load Stem Tear Limb Rub Bruising Pink Bud Fruit Tip

Sub-Acid ☐ Dark Red ☐ Yellow ☐ Fail ☐ Fail **ջ** □ Stage 1 Evaluation Rootstock Full Bloom 2nd Pick Variety ☐ Low Acid ☐ Medium ☐ Orange ☐ Red Green Purple Green Purple ☐ Acid ☐ High ☐ Pass ☐ Pass □Yes Progress to Stage 2 Date of Evaluation ☐ Maroon Flesh \square Cream Skin Cream Evaluator Name Balanced Taste Red Comments & Commercial Comparator Fruit Size mm Fruit Doubles Appearance Split Stone **Crop Yield** Bloom 10% Cracking Stem Tear 1st Pick Cultivar Flavour Russet



FTP104 - Picked 07.10.2012 Stage 2 Evaluation

A yellow peach with a dark red striped colour, an ovate shape, and an average size of 56mm. Flesh is yellow with a crunchy and juicy texture, acidic flavour and an average Brix of 9%. Commercial flower density and crop load are reported. There are reports of some stone splitting and some bleeding under the skin when soft. May suit low chill region.

Overall field score 7/10.



FTP0717 - Picked 15.10.2012 Stage 2 Evaluation

A yellow peach with dark red skin and an average size of 56mm. Has crunchy and juicy texture with a slightly sweet flavour and an average Brix of 10%. A commercial flower density and crop load were reported. Notes include: "Deserves further testing; some split stones and uneven ripening noticed; May go soft quick."

Overall field score 6/10.



'Super Zee' (D - Picked 18.10.2012 Stage 2 Evaluation

A yellow peach with blushed skin, an ovate shape and an average size of 59mm. The flesh is soft and juicy with a slightly sweet flavour with an average Brix score of 10.5%. Split stones of about 5% are recorded. A commercial flower density and crop load for this period is reported.

Overall field score 7/10.



'Super Lady' () - Picked 19.10.2012 Stage 2 Evaluation

A yellow peach with a striped appearance. Averages 62mm in size with flesh that is soft, juicy and acidic to taste. Average Brix score of 8%. A light crop load was reported for this evaluation period.

Overall field score 5/10.



FTP0912 – Picked 31.10.2012

Stage 2 Evaluation

A yellow peach with solid colour, an oblong shape, and an average size of 63mm. Flesh is yellow with a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 11%. An average flower density and crop load were recorded.

Overall field score 7/10.



FTP058 – Picked 07.11.2012 Stage 2 Evaluation

A yellow peach with solid colour, an ovate shape, and an average size of 63mm. Flesh is yellow and shows a small amount of bleeding, and has a crunchy and juicy texture, a balanced flavour and an average Brix score of 10%. Average flower density and commercial crop load were recorded.

Overall field score 7/10.



FTP0414 - Picked 10.11.2012 Stage 2 Evaluation

A yellow peach with blushed red colour, an ovate shape, and an average size of 67mm. Flesh is yellow with a crisp and crunchy texture, a balanced flavour and an average Brix score of 10%. An average flower density and crop load were recorded.

Overall field score 6.5/10.



FTP0816 - Picked 22.11.2012 Stage 2 Evaluation

A yellow peach with a blushed red colour, an ovate shape, and an average size of 67mm. Flesh is yellow with a crisp and crunchy texture, a slightly sweet and bitter flavour and an average Brix score of 13%. An average flower density and light crop load were recorded. Notes include: "Good sweet flavour on acid base, just needs a better crop."

Overall field score 7/10.



FTP0118 - Picked 24.11.2012 Stage 2 Evaluation

A yellow peach with blushed red colour, an ovate shape, and an average size of 71mm. Flesh is yellow with a crunchy and juicy texture, very sweet flavour and an average Brix score of 12%. A commercial flower density and commercial crop load were recorded.

Overall field score 6.5/10.



FTP0415 - Picked 25.11.2012 Stage 2 Evaluation

A yellow peach with orange and red striped colour, ovate shape and average size of 69mm. A large fruit tip is reported. Flesh is crunchy and juicy with balanced, slightly sweet flavour and an average Brix score of 12%. Average flower density and commercial crop loads are reported for this cultivar.

Overall field score 4.5/10.



FTP0810 – Picked 25.11.2012 Stage 2 Evaluation

A yellow peach with blushed dark red skin and an average size of 69mm. Flesh is crunchy and juicy with balanced, slightly sweet flavour and has an average Brix of 14%. An average flower density and light crop load were recorded. Notes include: "Only down side is crop yield (3rd leaf). Good flavour."

Overall field score 7.5/10.



'Brittney Lane' – Picked 25.11.2012 Stage 2 Evaluation

A yellow peach with blushed, dark red skin, medium textured flesh and a rounded and slightly flat shape. Has an acidic and slightly sweet flavour. Average size of 77mm with a Brix of score of 11%. A commercial flower density and crop load reported. Notes included: "Eats ok soft"

Overall field score 6.5/10.



FTP093 – Picked 25.11.2012 Stage 2 Evaluation

A yellow peach with bushed dark red skin, an ovate shape and an average size of 73mm. Flesh is crunchy and juicy with very sweet flavour and an average Brix score of 15%. The flower density is average and a light crop load is reported. Notes include: "Only thing lacking is fruit yield."

Overall field score 7/10.



FTP057 - Picked 29.11.2012 Stage 2 Evaluation

A yellow peach with moderate, blushed colour, ovate shape and an average size of 76mm. Flesh is crunchy and juicy with balanced, slightly sweet flavour and an average Brix score of 12%. A slight fruit tip is reported. Average flower density and crop load are reported.

Overall field score 6.5/10.



FTP0722 - Picked 03.12.2012 Stage 2 Evaluation

A yellow peach with solid red colour, a rounded shape, and an average size of 66mm. Flesh is yellow with a crunchy and juicy texture, a balanced and slightly sweet flavour and an average Brix score of 12%. A slight fruit indent was reported. An average flower density and crop load were recorded.

Overall field score 6.5/10.



Royal Summer (cv. 'Zaimus') (D – Picked 08.12.2012 Stage 2 Evaluation

A yellow peach with dark red skin, a rounded shape and an average fruit size of 72mm. Flesh has a crunchy, juicy texture and a slightly sweet flavour with an average Brix score of 12%. A small amount of bleeding around the stone has been recorded. A light flower density and crop load have been reported.

Overall field score 6.5/10.



FTP055 – Picked 13.12.2012 Stage 2 Evaluation

A yellow peach with blushed moderate colour, a slightly flat shape and an average size of 76mm. Flesh is crunchy and juicy with slightly sweet flavour and an average Brix score of 12%. A commercial flower density and crop load are reported.

Overall field score 7/10.



FTP0812 - Picked 16.12.2012 Stage 2 Evaluation

A yellow peach with yellow skin and an average size of 71mm. Flesh is rubbery and juicy with a balanced, slightly sweet flavour and an average Brix score of 12%. An average flower density and crop load were recorded. **Overall field score 6.5/10.**



Royal Pride™ (cv. 'Zaisula') (D – Picked 19.12.2012 Stage 2 Evaluation

A yellow peach with a solid red skin and an average size of 70mm. Flesh has a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 13%. An average flower density and a light crop load were reported.

Overall field score 6.5/10.



FTP043 – Picked 21.12.2012 Stage 2 Evaluation

A yellow peach with solid red/dark red skin, rounded shape and an average size of 77mm. Flesh is crunchy and juicy with slightly sweet flavour and an average Brix score of 13%. Commercial flower density and crop load are reported.

Overall field score 7/10.



FTP046 – Picked 22.12.2012 Stage 2 Evaluation

A yellow peach with moderate blushed colour, round in shape and an average size of 76mm. Flesh is crunchy and juicy with balanced flavour and an average Brix score of 11%. A commercial flower density and crop load are reported.

Overall field score 7/10.



FTP103 - Picked 22.12.2012 Stage 2 Evaluation

A yellow peach with solid red/dark red colour, an ovate shape, and an average size of 72mm. Flesh has a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 13%. An average flower density and crop load were recorded.

Overall field score 6/10.



FTP0710 - Picked 24.12.2012 Stage 2 Evaluation

A yellow peach with dark red skin and an average size of 65mm. Flesh is crunchy, juicy and slightly sweet and has an average Brix score of 14%. A commercial flower density and heavy crop load were reported.

Overall field score 6/10.



FTP0714 – Picked 31.12.2012

Stage 2 Evaluation

A yellow peach with yellow skin and an average size of 68mm. Flesh is rubbery and juicy with a balanced, slightly sweet flavour and an average Brix score of 14%. An average flower density and commercial crop load are reported.

Overall field score 6/10.



FTP096 - Picked 01.01.2013 Stage 2 Evaluation

A yellow peach with red/dark red skin, a slightly flat shape and an average size of 73mm. Flesh is crunchy and juicy with a slightly sweet flavour and an average Brix score of 14%. An average flower density and crop load have been reported.

Overall field score 7/10.



FTP052 - Picked 03.01.2013 Stage 2 Evaluation

A yellow peach with bright, solid colour, rounded shape and an average size of 75mm. Flesh is rubbery and juicy with a slightly sweet flavour and an average Brix score of 13%. A commercial flower density and crop load are reported.

Overall field score 6.5/10.



FTP054 – Picked 07.01.2013 Stage 2 Evaluation

A yellow peach with blushed, moderate colour, rounded shape and an average size of 79mm. Flesh is crunchy and juicy with slightly sweet flavour and an average Brix score of 12%. Average flower density and crop load are reported. Notes include: "Flavour is low to mild but fruit has good colour and size."

Overall field score 6/10.



FTP0716 - Picked 20.01.2013 Stage 2 Evaluation

A yellow peach with dark red skin and an average size of 71mm. Flesh is crunchy and juicy with a slightly sweet flavour with an average Brix score of 14%. Some bleeding around the stone, an average flower density and light crop load were reported for this season.

Overall field score 6/10.



FTP085 – Picked 01.02.2013 Stage 2 Evaluation

A yellow peach with yellow skin and an average size of 70mm. Flesh is rubbery and juicy with a balanced and slightly sweet flavour and an average Brix score of 14%. An average flower density and crop load were reported.

Overall field score 6.5/10.



Red FallTM (cv. 'Zaitreta') – Picked 01.02.2013 Stage 2 Evaluation

A yellow peach with dark red skin, a slightly flat shape and an average fruit size of 73mm. Flesh has a crunchy and juicy texture and a very sweet flavour and an average Brix score of 15%. A minimal amount of bleeding around the stone is observed. An average flower density and crop load are reported.

Overall field score 7.5/10.



FTP991 - Picked 04.02.2013 Stage 2 Evaluation

A yellow peach with bright, solid colour, an ovate shape and an average size of 74mm. Flesh has a medium texture with bland flavour and an average Brix score of 12%. Light limb rub reported. Commercial flower density and crop load reported.

Overall field score 5/10.



'Sweet Juana' (D – Picked 06.02.2013 Stage 2 Evaluation

A yellow peach with dark red skin and an average size of 73mm. Flesh is juicy with a medium texture, very sweet flavour and an average Brix score of 15%. A commercial flower density and crop load were recorded.

Overall field score 6.5/10.

White Peaches



'Vista Snow' - Picked 17.10.2012 Stage 2 Evaluation

A white peach with red and cream coloured skin that has an average size of 59mm. Average Brix score of 9%. The flesh is crunchy and juicy with a balanced and slightly sweet flavour. The fruit is ovate in shape and an average crop load was reported for this evaluation period.

Overall field score 6/10.



'Snow Angel' (D – Picked 19.10.2012 Stage 2 Evaluation

A white peach with blushed colouration, a rounded shape and an average size of 66mm. Flesh is crunchy, juicy and has a slightly sweet flavour with an average Brix score of 9.8%. Commercial flower density and crop load are reported. Notes include: "Good variety if handled correctly." Overall field score 7/10.



FTP0721 - Picked 27.11.2012 Stage 2 Evaluation

A white peach with a solid dark red colour, a rounded shape, and an average size of 69mm. Flesh is white with a crunchy and juicy texture, a sightly sweet flavour and an average Brix score of 12%. A minimal amount of bleeding was reported under the skin. An average flower density and average crop load were recorded. Notes include: "Good flavour, firm and soft."

Overall field score 7/10.



'Galaxy' – Picked 30.11.2012 Stage 2 Evaluation

A white, donut shaped peach with red skin and an average size of 72mm. Flesh is cream coloured with a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 14%. An average flower density and crop load were reported.

Overall field score 6/10.



FTP072 - Picked 03.12.2012 Stage 2 Evaluation

A white, donut shaped peach with a blushed red skin. A crunchy, juicy texture with a balanced, slightly sweet flavour with an average Brix score of 12%. An average size of 74mm. An average flower density and light crop load were recorded. Notes include: "Too low yielding."

Overall field score 4/10.



FTP099 – Picked 07.12.2012 Stage 2 Evaluation

A white peach with moderate, blushed colour, a rounded and slightly flat shape and an average size of 66mm. Flesh is crunchy and juicy with slightly sweet flavour and an average Brix score of 13%. Average flower density and crop load reported.

Overall field score 7/10.



FTP088 - Picked 14.12.2012 Stage 2 Evaluation

A white peach with red skin and a slightly flat shape averaging 75mm in size. It has a low acid flavour and is sweet with a brix score of 14%. The tree had an average fruit load. (NB. No evaluator total score recorded, so Factree gave it a 7 based on evaluator scores of: 7 tree, 7.5 fruit, 6.5 flesh) **Overall field score 7/10.**



FTP056 – Picked 15.12.2012 Stage 2 Evaluation

A white, donut shaped peach with blushed red skin and an average size of 79mm. Flesh is crunchy and juicy with a slightly sweet flavour with an average Brix score of 12%. Average flower density and crop load are reported.

Overall field score 5.5/10.



FTP0814 – Picked 20.12.2012 Stage 2 Evaluation

A white donut peach with dark red blushed colour, and an average size of 68mm. Flesh is white with a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 14%. An average flower density and crop load were recorded.

Overall field score 5/10.



FTP082 – Picked 20.12.2012 Stage 2 Evaluation

A white peach with blushed dark red colour, a rounded shape, and an average size of 71mm. Flesh is white with a crunchy and juicy texture, a very sweet flavour and an average Brix score of 14%. An average flower density and crop load were recorded.

Overall field score 7/10.



FTP078 – Picked 29.12.2012 Stage 2 Evaluation

A white peach with solid dark red colour, a rounded shape, and an average size of 74mm. Flesh is white with a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 12%. Commercial flower density and crop load were recorded. Notes include: "Good overall colour and yield."

Overall field score 7/10.



FTP102 – Picked 06.01.2013 Stage 2 Evaluation

A white peach with dark red skin a rounded shape and an average size of 71mm. Flesh is crunchy and juicy with a very sweet flavour with an average Brix score of 15%. A small amount of bleeding around the stone has been recorded. A commercial flower density and crop load have been reported.

Overall field score 7.5/10.



FTP034 – Picked 17.01.2013 Stage 2 Evaluation

A white peach with solid dark red colour, an ovate shape, and an average size of 72mm. Flesh is white with a crunchy, rubbery and juicy texture, slightly sweet flavour and an average Brix score of 15%. Average flower density and crop load were recorded.

Overall field score 7/10.



FTP081 – Picked 31.01.2013 Stage 2 Evaluation

A white peach with dark red skin and an average size of 71mm. Flesh is crunchy and juicy with a slightly sweet flavour and an average Brix scrore of 14%. A small amount of bleeding around the stone was reported. A commercial flower density and crop load was reported.

Overall field score 6/10.



FTP075 – Picked 07.02.2013 Stage 2 Evaluation

A white peach with a blushed red skin and an average size of 75mm. Flesh is crunchy and juicy with a slightly sweet flavour and an average Brix score of 16%. A low flower density and crop load is reported. Notes include: "Low blush and crop on 3rd leaf."

Overall field score 5/10.



FTP079 – Picked 13.02.2013 Stage 2 Evaluation

A white peach with a blushed dark red colour, rounded shape and an average size of 76mm. Flesh is crunchy and juicy with a very sweet flavour and an average Brix score of 16%. A small amount of bleeding was reported around the stone. Commercial flower density and crop load reported.

Overall field score 7/10.

Yellow Nectarines



'Honey May' (D - Picked 22.10.2012 Stage 2 Evaluation

A yellow nectarine with moderate, solid colour and an average size of 59mm. Flesh is soft and juicy with a slightly sweet flavour and an average Brix score of 9.7%. A commercial flower density, crop load and average tree vigour are reported. Notes include: 'Comparator is 1 wk - 10 days before 'Zee Fire'. Variable flavour. Sweet – bitter (this could be attributed to a cool start to harvest)'

Overall field score 7/10.



FTN057 - Picked 29.10.2012 Stage 2 Evaluation

A yellow nectarine with blushed dark red colour and an average size of 62mm. Flesh is crunchy and juicy with a slightly sweet acidic flavour and an average Brix score of 10%. Small amount of split stones are reported. A commercial crop load and strong tree vigour are reported. Notes include: 'Comparator is 'Honey May' or 1 week before 'Zee Fire'.

Overall field score 6.5/10.



'Spring Fire' - Picked 29.10.2012 Stage 2 Evaluation

A yellow nectarine with moderate, solid colour and an average fruit size of 60mm. The flesh is crisp with a slightly sweet with acidic flavour and an average Brix score of 9.4%. Bleeding under the skin is apparent. An average flower density and light crop load are reported. Notes include: "Good colour with flesh bleeding. Generally acid type. Ok flavour when soft."

Overall field score 6.5/10.

Plant Breeder's Rights are being considered for this cultivar.



FTN0717 - Picked 30.10.2012 Stage 2 Evaluation

A yellow nectarine with blushed red colour, an ovate shape, and an average size of 59mm. Flesh is yellow with a crisp, crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 10%. An average flower density and light crop load are recorded.

Overall field score 6/10.



FTN0910 - Picked 05.11.2012 Stage 2 Evaluation

A yellow nectarine with dark red skin and an average size of 57mm. Flesh is yellow and has a juicy and medium texture and has an average Brix score of 10%. Notes included: "Too small"

Overall field score 5.5/10.



'Zee Fire' (D - Picked 08.11.2012 Stage 2 Evaluation

A yellow nectarine with moderate, blushed colour and an average fruit size of 65mm. The flesh has a crunchy and medium texture with slightly sweet, acidic flavour. Average Brix score is 10%. A heavy flower density and commercial crop load are reported for this season.

Overall field score 7/10.



FTN105 - Picked 12.11.2012 Stage 2 Evaluation

A yellow nectarine with blushed red colour, a rounded shape, and an average size of 58mm. Flesh is yellow with a crunchy and juicy texture, slightly sweet flavour and an average Brix score of 10%. Commercial flower density and crop load were recorded. Notes included: "Nice flavour." **Overall field score 7/10.**



FTN0719 - Picked 12.11.2012 Stage 2 Evaluation

A yellow nectarine with a solid red colour, an oblong shape, and an average size of 59mm. Flesh is yellow with a crunchy, juicy texture, acidic and bland flavour and an average Brix score of 9%. A commercial flower density and crop load are recorded.

Overall field score 6/10.



'Starborne' - Picked 13.11.2012 Stage 2 Evaluation

A yellow nectarine with solid, moderate colour and an average size of 62mm. Flesh is crunchy and juicy with an acidic flavour and an average Brix score of 11%. A commercial flower density and crop load are reported. Notes include: "Good shape and colour."

Overall field score 6/10.

Plant Breeder's Rights are being considered for this cultivar.



FTN0420 - Picked 13.11.2012 Stage 2 Evaluation

A yellow nectarine with a solid colour and an average fruit size of 66mm. The flesh is crunchy and juicy with a balanced, slightly sweet flavour and some bleeding apparent under the skin. Commercial crop loads and flower density are reported.

Overall field score 7/10.



'Honey Prima' (cv. 'Zaipava') (D - Picked 15.11.2012 Stage 2 Evaluation

A yellow nectarine with blushed red skin and crunchy, juicy flesh. Average fruit size of 64mm with a rounded shape and a Brix score of 14%. Some russet reported on the calyx end. Light crop load reported for this season.

Overall field score 7/10.



FTN106 - Picked 19.11.2012 Stage 2 Evaluation

A yellow nectarine with blushed red colour, an oblong shape, and an average size of 66mm. Flesh is yellow with a crunchy, juicy texture, slightly sweet flavour and an average Brix score of 12%. An Average flower density and crop load were recorded.

Overall field score 7/10.



FTN086 - Picked 21.11.2012 Stage 2 Evaluation

A yellow nectarine with blushed red colour, an ovate shape, and an average size of 62.5mm. Flesh is yellow with a crunchy, juicy texture, a slightly flavour and an average Brix score of 14%. An average flower density and light crop load were recorded.

Overall field score 6.5/10.



'Skye' (D - Picked 24.11.2012 Stage 2 Evaluation

A yellow nectarine with dark red skin that bleeds into the flesh. Average fruit size is 65mm. Flesh is crunchy and juicy and flavour is balanced and slightly sweet with an average Brix score of 13%. Notes include: "Good flavour. Will turn soft quick if not careful (not as much as Splendor)" Overall field score 7/10.



'Honey Lite' (D – Picked 27.11.2012 Stage 2 Evaluation

A yellow nectarine with blushed red/dark red colour, an oblong, asymmetric shape, and an average size of 70mm. Flesh has a crunchy and juicy texture, with a very sweet flavour and an average Brix score of 13%. An average flower density and crop load were recorded.

Overall field score 7/10.



FTN0115 – Picked 28.11.2012

Stage 2 Evaluation

A yellow nectarine with a blushed red colour, an ovate shape, and an average size of 67mm. Flesh is yellow with a rubbery, juicy texture, a slightly sweet flavour and an average Brix score of 14%. An average flower density and light crop load are recorded.

Overall field score 6/10.



FTN059 - Picked 30.11.2012 Stage 2 Evaluation

A yellow nectarine with solid, dark red colour, an ovate shape and an average size of 69mm. Flesh is crunchy and juicy with a slightly sweet flavour and an average Brix score of 13%. Average flower density and crop load are reported.

Overall field score 7/10.



FTN055 - Picked 30.11.2012 Stage 2 Evaluation

A yellow nectarine with solid, dark red colour, ovate shape and an average size of 69mm. Flesh is crunchy, juicy and slightly sweet with an average Brix score of 11%. An average flower density and crop load were reported.

Overall field score 7/10.



'Honey Haven' (D – Picked 01.12.2012 Stage 2 Evaluation

A yellow nectarine with solid, moderate colour, ovate shape and average size of 74mm. Flesh is crunchy with balanced, slightly sweet flavour and an average Brix score of 12%. Less than 10% split stones reported. Average flower density and light crop load reported. Notes include: "May suit a higher chill region."

Overall field score 5/10.



'Honey Fire' (- Picked 01.12.2012 Stage 2 Evaluation

A yellow nectarine with bright, solid colour, ovate shape and an average size of 71mm. Flesh is crunchy and juicy with very sweet flavour and an average Brix score of 13%. Commercial flower density and crop loads are reported. Notes include: "Can have a raised suture."

Overall field score 7/10.



FTN0912 – Picked 02.12.2012 Stage 2 Evaluation

A yellow nectarine with a solid red skin and an average size of 63mm. Flesh is crunchy, juicy and has bland, slightly sweet flavour with an average Brix score of 12%.

Overall field score 6/10.



FTN0415 - Picked 03.12.2012

Stage 2 Evaluation

A yellow nectarine with solid red colour, an ovate shape, and an average size of 71mm. Flesh is yellow with a crunchy, juicy texture, slightly sweet flavour and an average Brix score of 10%. Average flower density and crop load were recorded. Notes included: Fruit tip is too large.

Overall field score 4/10.



FTN042 - Picked 06.12.2012 Stage 2 Evaluation

A yellow nectarine with solid, moderate colour, rounded shape and an average size of 68mm. Flesh is crunchy and juicy with slightly sweet flavour and an average Brix score of 12%. Average flower density and crop load are reported.

Overall field score 7/10.



FTN073 - Picked 10.12.2012 Stage 2 Evaluation

A yellow nectarine with solid red to dark red colour, an ovate shape, and an average size of 63mm. Flesh is yellow with a crunchy and juicy texture, a balanced and slightly sweet flavour and an average Brix score of 11%. Average flower density and crop load are recorded. Notes included: "Needs to lose tip and be larger"

Overall field score 6/10.



FTN072 - Picked 13.12.2012 Stage 2 Evaluation

A yellow nectarine with a solid red colour, an ovate shape, and an average size of 62mm. Flesh is yellow with a crunchy and juicy texture, slightly sweet flavour and an average Brix score of 15%. An average flower density and light crop load are recorded.

Overall field score 6/10.



FTN088 - Picked 17.12.2012 Stage 2 Evaluation

A yellow nectarine with solid red colour, an ovate shape, and an average size of 66mm. Flesh is yellow with a crunchy, rubbery and juicy texture, with a balanced and slightly sweet flavour and an average Brix score of 14%. Average flower density and light crop load were recorded.

Overall field score 6/10.



FTN081 – Picked 18.12.2012 Stage 2 Evaluation

A yellow nectarine with red/dark red colour, an ovate shape, and an average size of 68mm. Flesh is yellow with a crunchy and juicy texture, slightly sweet flavour and an average Brix score of 14%. An average flower density and light crop load were recorded.

Overall field score 6/10.



FTN098 - Picked 19.12.2012 Stage 2 Evaluation

A yellow nectarine with a red/ dark red colour, an ovate shape, and an average size of 67mm. Flesh is yellow with a crunchy, juicy texture, very sweet flavour and an average Brix score of 14%. Commercial flower density and crop load were recorded.

Overall field score 7/10.



FTN074 - Picked 21.12.2012 Stage 2 Evaluation

A yellow nectarine with solid red/ dark red colour, an ovate shape, and an average size of 65mm. Flesh is yellow with a crunchy and juicy texture, slightly sweet flavour and an average Brix score of 15%. Average flower density and light crop load were recorded.

Overall field score 6.5/10.



FTN049 - Picked 23.12.2012 Stage 2 Evaluation

A yellow nectarine with solid red to dark red colour, ovate shape and an average size of 70mm. Flesh is crunchy, slightly rubbery and juicy with a slightly sweet balanced flavour and an average Brix of 11%. A commercial flower density and crop load are reported.

Overall field score 6.5/10.



'Honey Cascade' – Picked 05.01.2013 Stage 2 Evaluation

A yellow nectarine with dark red skin and an average size of 63mm. Flesh is crunchy and juicy and very sweet with an average Brix score of 16%. A minimal amount of bleeding around the stone and a small amount of russet was reported. An average flower density and light crop load were recorded.

Overall field score 6/10.

Plant Breeder's Rights are being considered for this cultivar.



FTN089 - Picked 06.01.2013 Stage 2 Evaluation

A yellow nectarine with dark red colour, an ovate shape, and an average size of 67mm. Flesh is yellow with a crunchy and juicy texture, very sweet flavour and an average Brix score of 17%. A small amount of bleeding around the stone was reported. Average flower density and crop load were recorded.

Overall field score 7/10.



FTN077 - Picked 12.01.2013 Stage 2 Evaluation

A yellow nectarine with blushed red and dark red colour, an ovate shape, and an average size of 68mm. Flesh is yellow with a crunchy, rubbery texture, slightly sweet flavour and an average Brix score of 14%. An average flower density and crop load were recorded.

Overall field score 5/10.



FTN0913 - Picked 13.01.2013

Stage 2 Evaluation

A yellow nectarine with a blushed red skin and an average size of 69mm. Flesh is slightly sweet, crunchy and juicy with an average Brix score of 18%. Notes include: "Internal browning due to heat"

Overall field score 5/10.



FTN036 - Picked 25.01.2013 Stage 2 Evaluation

A yellow nectarine with a blushed dark red colour, an ovate shape, and an average size of 72mm. Flesh is yellow with a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 14%. An average flower density and light crop load are recorded.

Overall field score 5/10.



FTN092 - Picked 03.02.2013 Stage 2 Evaluation

A yellow nectarine with dark red skin and an average size of 66mm. Flesh is crunchy, juicy and slightly sweet with an average Brix score of 17%. **Overall field score 6.5/10.**



FTN0712 - Picked 20.02.2013 Stage 2 Evaluation

A yellow nectarine with dull, blushed colour, ovate shape and an average size of 70mm. Flesh is crunchy, rubbery and juicy with slightly sweet flavour and an average Brix score of 18%. Average flower density and crop load are reported.

Overall field score 6/10.

White Nectarines



FTN107 – Picked 21.10.2012 Stage 2 Evaluation

A white nectarine with red skin and an average size of 57.5mm. Average Brix score of 14% with acidic and slightly sweet flavour. Some russet has been reported on the calyx end. Average flower density and crop load have been reported. Notes included: "Issue is small size and soft.."

Overall field score 6/10.



Royal Queen (cv. 'Zaisirly') – Picked 25.11.2012 Stage 2 Evaluation

A white nectarine with red skin and an average size of 63mm. Flesh is crunchy and juicy with a balanced and slightly sweet flavour and an average Brix score of 14%. An average flower density and light crop load have been reported. Notes include: "Down side is crop yield and slight fruit tip. Ok flavour."

Overall field score 6/10.



FTN095 - Picked 11.12.2012 Stage 2 Evaluation

A white nectarine with a blushed red colour, an oblong shape, and an average size of 65mm. Flesh is white with a crunchy and juicy texture, a slightly sweet flavour and an average Brix score of 15%. Average flower density and light crop load were recorded.

Overall field score 6/10.



FTN093 – Picked 11.12.2012 Stage 2 Evaluation

A white nectarine with blushed red colour, an ovate shape, and an average size of 63mm. Flesh is white with a crunchy and juicy texture, slightly sweet flavour and an average Brix score of 14%. Average flower density and crop load were recorded.

Overall field score 6/10.



FTN0711 - Picked 16.12.2012 Stage 2 Evaluation

A white nectarine with blushed orange and red colour, an ovate shape, and an average size of 64mm. Flesh is white with a crunchy and juicy texture, slightly sweet flavour and an average Brix score of 14%. Commercial flower density and crop load are recorded.

Overall field score 6.5/10.



FTN053 - Picked 17.12.2012 Stage 2 Evaluation

A white nectarine with solid red colour, ovate shape and an average size of 70mm. Flesh is crunchy and juicy with slightly sweet flavour and an average Brix score of 11%. An average flower density and crop load are reported.

Overall field score 7/10.



FTN082 – Picked 17.12.2012 Stage 2 Evaluation

A white nectarine with solid dark red colour, an ovate shape, and an average size of 65mm. Flesh is white with a crunchy and juicy texture, balanced flavour and an average Brix score of 14%. Average flower density and light crop load were recorded.

Overall field score 6.5/10.



FTN101 - Picked 21.12.2012 Stage 2 Evaluation

A white nectarine with solid red colour, an ovate shape, and an average size of 65mm. Flesh is white with a crunchy, juicy texture, slightly sweet flavour and an average Brix score of 14%. Average flower density and light crop load were recorded.

Overall field score 7/10.



FTN102 - Picked 22.12.2012 Stage 2 Evaluation

A white nectarine with dark red skin and an average size of 62mm. Flesh is crunchy and juicy, very sweet with an average Brix score of 14%. Notes include: "Too small for season."

Overall field score 5/10.



FTN0716 - Picked 23.12.2012 Stage 2 Evaluation

A white nectarine with bright, solid colour, ovate shape and an average size of 68mm. Flesh is crunchy, rubbery and juicy with very sweet flavour and an average Brix score of 14%. An average flower density and crop load are reported.

Overall field score 7/10.



FTN0715 - Picked 01.01.2013 Stage 2 Evaluation

A white nectarine with blushed dark red colour, an ovate shape, and an average size of 69mm. Flesh is white/yellow with a crunchy texture, slightly sweet flavour and an average Brix score of 14%. Average flower density and crop load are recorded.

Overall field score 6/10.



FTN097 - Picked 06.01.2013 Stage 2 Evaluation

A white nectarine with solid, dark red colour, ovate shape and an average size of 68mm. Flesh is crunchy, rubbery and juicy with very sweet flavour and an average Brix score of 15%. An average flower density and crop load is also reported.

Overall field score 6.5/10.



FTN0713 - Picked 20.02.2013 Stage 2 Evaluation

A white nectarine with dull, blushed colour, rounded yet slightly flat shape and an average size of 79mm. Flesh is crunchy, rubbery and juicy with slightly sweet flavour and an average Brix score of 17%. Commercial flower density and crop load are reported. Notes include: "Overall colour and appearance is lacking'

Overall field score 5.5/10.



FTN091 - Picked 24.02.2013 Stage 2 Evaluation

A white nectarine with blushed red colour, an ovate shape, and an average size of 66mm. Flesh is white with a crunchy and juicy texture, very sweet flavour and an average Brix score of 18%. Average flower density and crop load were recorded. Notes included: "Bit too small for time of year."

Overall field score 5.5/10.

Plums and Pluot® Interspecifics



'Flavor Royale' (D - Picked 29.11.2012 Stage 2 Evaluation

A red fleshed plum with a purple solid coloured skin, a rounded shape, and an average size of 54mm. Flesh is crisp, crunchy and juicy, balanced and slightly sweet in flavour and has an average Brix score of 19%. Light limb rub is reported. Flower density and crop loads are both reported as commercial.

Overall field score 7/10.



FTIP083 – Picked 02.12.2012 Stage 2 Evaluation

An interspecific plum with a solid maroon colour, an ovate shape, and an average size of 51mm. Flesh is yellow/red with a soft/juicy texture, a balanced slightly sweet flavour and an average Brix score of 14%. Some light limb rub was recorded this season. An average flower density and light crop load are reported.

Overall field score 6/10.



FTIP106 - Picked 03.12.2012 Stage 2 Evaluation

An interspecific plum with a bi-coloured maroon skin, a slightly flat shape, and an average size of 51mm. Flesh is red with a soft and juicy texture, a balanced flavour and an average Brix score of 13%. An average flower density and light crop load are recorded.

Overall field score 5/10.



'Rubirosa' (D – Picked 03.12.2012 Stage 2 Evaluation

A yellow fleshed plum with dull, solid skin colour, rounded shape and an average size of 56mm. Flesh is crunchy, soft and juicy with a balanced, slightly sweet flavour and an average Brix score of 14%. Commercial flower density and crop load are reported.

Overall field score 6.5/10.



FTIP084 – Picked 07.12.2012 Stage 2 Evaluation

An interspecific plum with solid maroon colour, a rounded shape, and an average size of 67mm. Flesh is red with an initially crunchy yet soft and juicy texture, a balanced and slightly sweet flavour and an average Brix score of 17%. Average flower density and crop load are reported.

Overall field score 7.5/10.



FTIP0412 - Picked 16.12.2012 Stage 2 Evaluation

An interspecific plum with a solid purple colour, rounded shape and an average size of 55mm. Flesh is crisp, crunchy and juicy with balanced, slightly sweet flavour and an average Brix score of 14%. Light limb rub has been recorded this season. Commercial flower density and crop load reported.

Overall field score 6.5/10.

Plums and Pluot® Interspecifics



FTIP108 - Picked 17.12.2012 Stage 2 Evaluation

An interspecific plum with solid maroon colour, a rounded yet slightly flat shape, and an average size of 58mm. Flesh is yellow with a crisp, crunchy and juicy texture; a balanced, very sweet flavour and an average Brix score of 16%. An average flower density crop load are recorded. A moderate amount of limb rub was recorded this season.

Overall field score 6/10.



FTIP058 - Picked 18.12.2012 Stage 2 Evaluation

An interspecific plum with maroon skin and an average size of 56mm. Flesh is red in colour with an initial crunch yet is soft and juicy. Flavour is acidic and slightly sweet and has an average Brix score of 15%. Average flower density and a commercial crop load are reported.

Overall field score 5/10.



'Dapple Supreme' – Picked 24.12.2012 Stage 2 Evaluation

An interspecific plum with a maroon skin, slightly flat shape and an average size of 56mm. Flesh is soft, juicy and red in colour with an average Brix score of 17%. Light sunburn has been reported. A commercial flower density and crop load are reported.

Overall field score 6/10.



FTIP0814 - Picked 28.12.2012 Stage 2 Evaluation

An interspecific plum with yellow skin with reported 30% red blushing. A rounded shape and an average size of 50mm. Flesh is yellow in colour, very sweet with an average Brix score of 21%. An average flower density and light crop load was recorded for this season.

Overall field score 6.5/10.



'Coparose' – Picked 28.12.2012 Stage 2 Evaluation

An interspecific plum with purple skin, a slightly flat shape and an average size of 55mm. Flesh is yellow in colour, has a crunchy and juicy texture. A balanced, slightly sweet flavour and has an average Brix score of 16%. An average flower density and light crop load was recorded for this season.

Overall field score 6/10.



FTIP102 – Picked 28.12.2012 Stage 2 Evaluation

An interspecific with solid maroon colour, a rounded shape, and an average size of 51mm. Flesh is yellow with a crunchy and juicy texture, a balanced and very sweet flavour and an average Brix score of 20%. Average flower density and light crop load are reported for this season.

Overall field score 6/10.

Plums and Pluot® Interspecifics



'Dapple Fire' (D – Picked 29.12.2012 Stage 2 Evaluation

An interspecific plum with a bicoloured maroon and green skin. An ovate shape and an average size of 51mm. Flesh is juicy and red in colour. Flavour is reported as bland with an average Brix score of 17%. Heavy flower density and crop load reported.

Overall field score 5.5/10.



FTIP107 - Picked 29.12.2012 Stage 2 Evaluation

An interspecific plum with a solid maroon colour, a slightly flat shape, and an average size of 52mm. Flesh is red with a crunchy and juicy texture, a very sweet flavour and an average Brix score of 18%. Average flower density and crop load are recorded. Notes included: "Good overall colour and yield"

Overall field score 6.5/10.



FTIP104 - Picked 31.12.2012 Stage 2 Evaluation

An interspecific plum with solid purple colour, a slightly flat shape, and an average size of 57mm. Flesh is yellow with a crunchy and juicy texture, a slightly sweet, balanced flavour and an average Brix score of 17%. Average flower density and light crop load are reported for this season.

Overall field score 6/10.



'Primetime' (D - Picked 11.01.2013 Stage 2 Evaluation

A red fleshed plum with solid colour, ovate shape and an average size of 59mm. Flesh is crunchy and juicy with a slightly sweet flavour and an average Brix score of 16%. Commercial flower density and crop load reported.

Overall field score 7/10.



FTIP001 - Picked 12.01.2013 Stage 2 Evaluation

An interspecific plum with solid purple skin, rounded shape with yellow flesh and slightly sweet flavour. Average size is 55mm, and an average Brix score of 15%. An average flower density and crop load have been reported. Some stone burn was recorded in this region.

Overall field score 5/10.



FTIP088 - Picked 19.01.2013 Stage 2 Evaluation

An interspecific plum with a blushed maroon colour, an ovate shape, and an average size of 57mm. Flesh is yellow with a crispy, crunchy and juicy texture, an acidic and slightly sweet flavour and an average Brix score of 17%. Average flower density and light crop load are reported.

Overall field score 6/10.

Plums and Pluot® Interspecifics



FTIP082 - Picked 20.01.2013 Stage 2 Evaluation

An interspecific plum with maroon skin, an ovate shape and an average size of 55mm. Flesh is red in colour, crisp/crunchy and juicy with a balanced, slightly sweet flavour and has an average Brix score of 19%. An average flower density and light crop load has been reported for this season.

Overall field score 6/10.



FTIP085 - Picked 22.01.2013 Stage 2 Evaluation

An interspecific plum with a blushed maroon colour, an ovate shape, and an average size of 59mm. Flesh is yellow with a crisp/crunchy and juicy texture, a very sweet flavour and an average Brix score of 20%. An average flower density and light crop load are reported.

Overall field score 6.5/10.



FTIP0818 - Picked 10.02.2013 Stage 2 Evaluation

An interspecific plum with maroon skin and an average size of 61mm. Flesh is red in colour, slightly sweet and crisp/crunchy and juicy. Flavour is slightly sweet and has an average Brix score of 20%. An average flower density and crop load are reported.

Overall field score 7/10.



'Black Kat' (D – Picked 13.02.2013 Stage 2 Evaluation

An interspecific plum with solid, moderate purple colour, rounded shape and a bumpy skin finish. Average size of 60mm. Flesh is crunchy and juicy with acidic, with slightly sweet flavour and an average Brix score of 19%. Commercial flower density and crop load are reported.

Overall field score 6/10.



'Flavorfall' (D – Picked 20.03.2013 Stage 2 Evaluation

An interspecific plum with solid, moderate colour, oblong shape and an average size of 52mm. Flesh is juicy with a crunchy texture, slightly sweet flavour and an average Brix score of 17%. A flat fruit tip and light sunburn are reported. Commercial flower density and average crop load are reported.

Overall field score 6.5/10.



FTIA086 – Picked 01.11.2012 Stage 2 Evaluation

An interspecific apricot with a yellow skin with an average of 10% red blush, oblong shape and an average size of 48mm. Flesh is orange in colour with a crunchy and juicy texture. The flavour is acidic and slightly sweet and has an average Brix score of 11%. A commercial flower density and crop load are reported. Notes include: "Nice flavour and taste when soft" Overall field score 7/10.



'Honey Rich' – Picked 09.11.2012 Stage 2 Evaluation

An interspecific apricot with orange skin and an average size of 48mm. Flesh is orange in colour, with a medium texture, has a slightly sweet flavour and an average Brix score of 15%. An average flower density and crop load have been reported. Notes include: "Some blossom end pin holes and deep suture. Mild flavour."

Overall field score 6/10.



FTIA074 – Picked 11.11.2012 Stage 2 Evaluation

An interspecific apricot with blushed red skin, ovate shape and an average size of 53mm. Flesh is orange in colour with a medium texture. The flavour is balanced and has an average Brix score of 11%. An average flower density with a light crop load has been reported this season, notes include: "Looks promising"

Overall field score 7/10.



'Wescot' (D - Picked 12.11.2012 Stage 2 Evaluation

An interspecific apricot with a blushed, bright appearance, ovate shape and an average size of 56mm. Flesh is orange in colour, balanced and slightly sweet in flavour with a medium, juicy texture. Average Brix score of 14%. Average flower density and crop load reported for this season.

Overall field score 7.5/10.



'Escort' - Picked 20.11.2012 Stage 2 Evaluation

An interspecific apricot with a solid yellow skin with a red over colour of around 8%. A medium textured, crisp orange flesh. An oblong shape with an average size of 52mm. An acidic flavour with an average Brix score of 14%. An average flower density and crop load are reported.

Overall field score 6/10.



'Autumn Glo' – Picked 29.01.2013 Stage 2 Evaluation

An apricot with solid yellow colour, an ovate shape, and an average size of 54mm. Flesh is soft with a medium texture, slightly sweet flavour and an average Brix score of 17%. Average flower density and average crop load are reported.

Overall field score 5/10.



'Royal Elaine' (D - Picked 14.11.2012 Stage 2 Evaluation

A red fleshed cherry with bright, solid colour, an ovate shape and an average size of 28mm. Flesh is crunchy and juicy with balanced, slightly sweet flavour and an average Brix score of 20%. Light flower density and crop load are reported, as well as average tree vigour.

Overall field score 7/10.



'Lapins' – Picked 21.11.2012 Stage 2 Evaluation

A red fleshed cherry with bright, solid colour, ovate and symmetrical in shape and has an average size of 27mm. Flesh is crunchy, juicy in texture and balanced and slightly sweet in flavour with an average Brix score of 21%. A light flower density and crop load were reported. Tree vigour average.

Overall field score 6.5/10.



'Stella' – Picked 21.11.2012 Stage 2 Evaluation

A red fleshed cherry with bright, solid colour, an ovate shape and an average size of 27mm. Flesh has a medium texture and is juicy with a balanced and slightly sweet flavour and has an average Brix score of 21%. Light flower density and crop load are reported, as well as strong tree vigour. Notes include: "Slight pin hole in blossom end."

Overall field score 6/10.



FTC012 - Picked 24.11.2012 Stage 2 Evaluation

A red fleshed cherry with red skin, an ovate shape and an average size of 25mm. Flesh is balanced with a slightly sweet flavour with an average Brix score of 20%. An average flower density and commercial crop load is reported.

Overall field score 6.5/10.



'Royal Edie' (- Picked 29.11.2012 Stage 2 Evaluation

A red fleshed cherry with bright, solid colour, slightly flat shape and an average size of 29mm. Flesh has a juicy and medium texture with a balanced and very sweet flavour with an average Brix score of 25%. Some stem tear is reported, as well as a light flower density and crop load. Tree vigour is weak. (Factree Note: Overall score marked down to 6 because of tree vigour, grown on Gisela. Scored higher in all other aspects) Overall field score 6/10.

Complex Interspecifics



FTPC102 – Picked 20.12.2012 Stage 2 Evaluation

An interspecific plum x cherry with blushed maroon colour, an ovate shape, and an average size of 41mm. Flesh is orange with a crunchy and juicy texture, very sweet flavour and an average Brix score of 18%. Some bleeding under the skin reported. An average flower density and crop load was recorded.

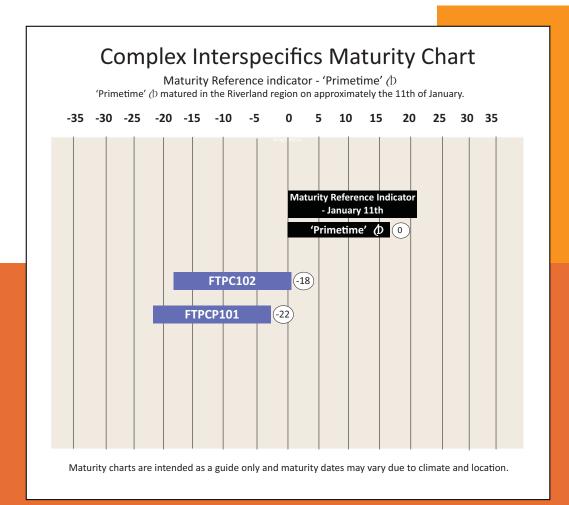
Overall field score 6/10.



FTPC101 – Picked 24.12.2012 Stage 2 Evaluation

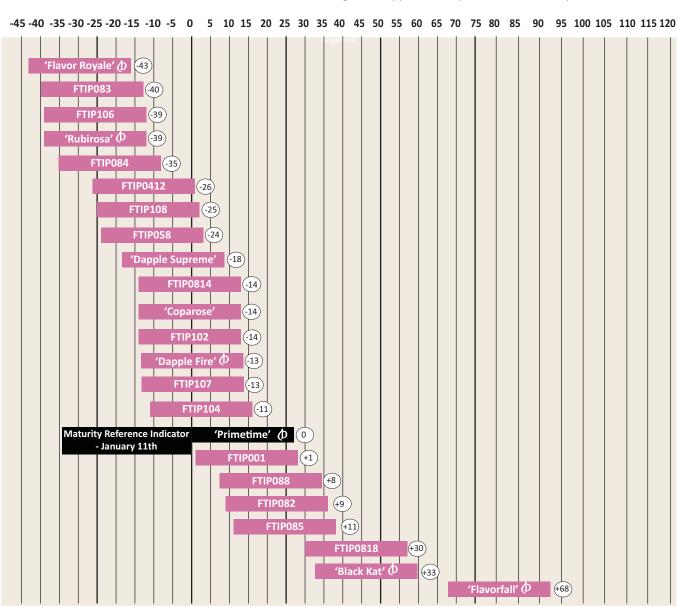
An interspecific plum x cherry with blushed red colour, a rounded shape, and an average size of 38mm. Flesh is yellow and red with a crunchy and juicy texture, very sweet flavour and an average Brix score of 23%. Some bleeding under the skin reported. An average flower density and crop load was recorded.

Overall field score 6/10.



Plum and Pluot® Interspecifics Maturity Chart

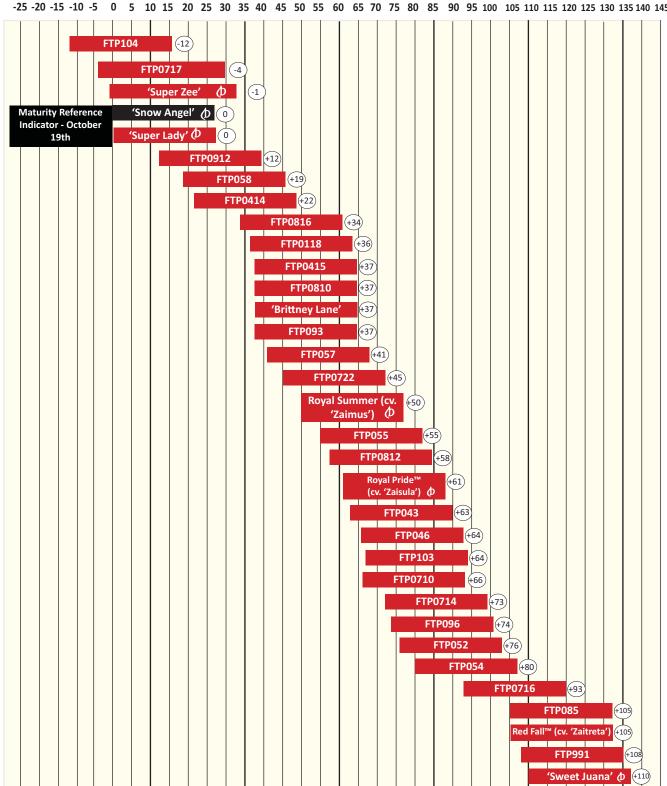
Maturity Reference indicator - 'Primetime' (D 'Primetime' (D matured in the Riverland region on approximately the 11th of January.



Yellow Peach Maturity Chart

Maturity Reference indicator - 'Snow Angel' (D (White peach) 'Snow Angel' (1) matured in the Riverland region on approximately the 19th of October

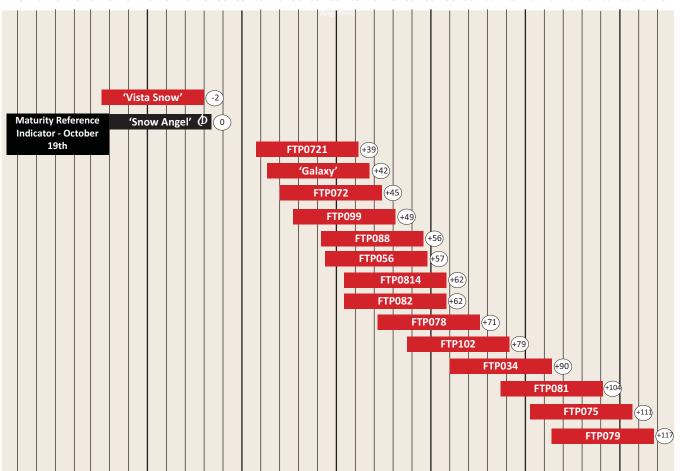
-25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145



White Peach Maturity Chart

Maturity Reference indicator - 'Snow Angel' ((White peach) 'Snow Angel' (matured in the Riverland region on approximately the 19th of October

-25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145

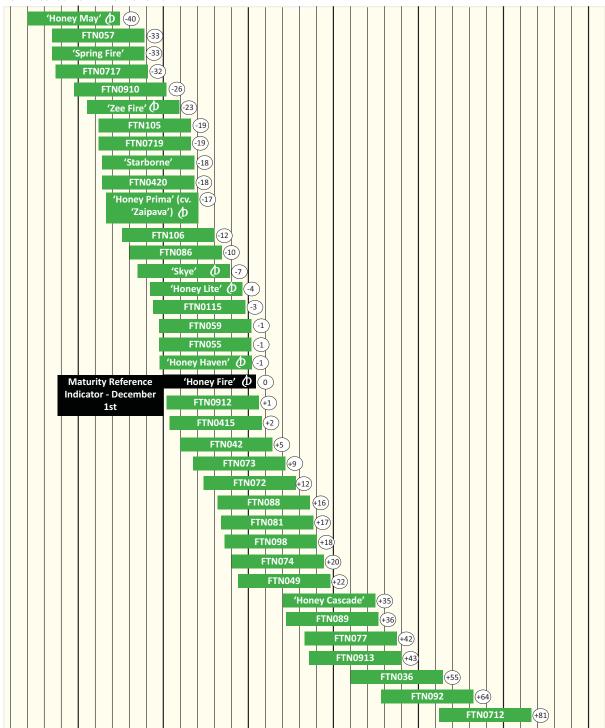




Yellow Nectarine Maturity Chart

Maturity Reference indicator - 'Honey Fire' (D 'Honey Fire' (D matured in the Riverland region on approximately the 1st of December.

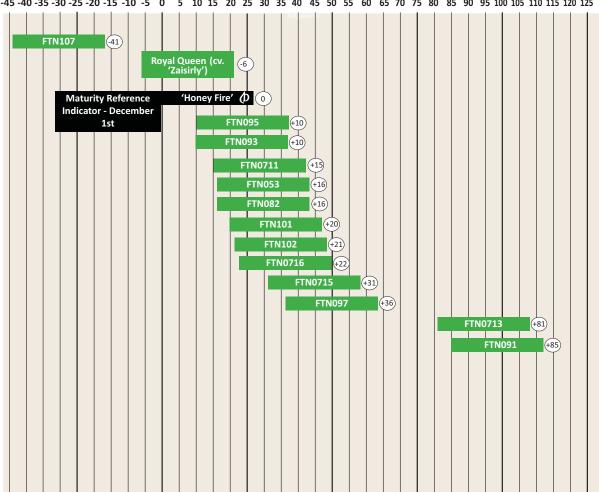
-45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125



White Nectarine Maturity Chart

Maturity Reference indicator - 'Honey Fire' 'Honey Fire' (b) matured in the Riverland region on approximately 1st of December.

-45 -40 -35 -30 -25 -20 -15 -10 -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

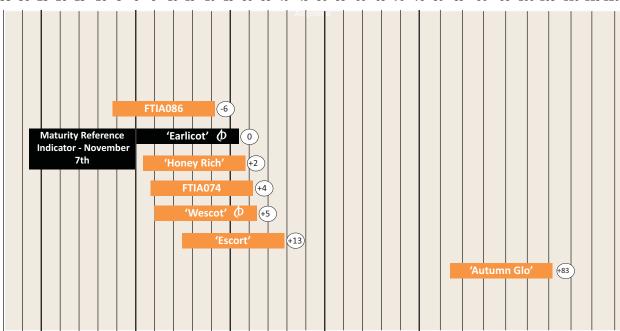




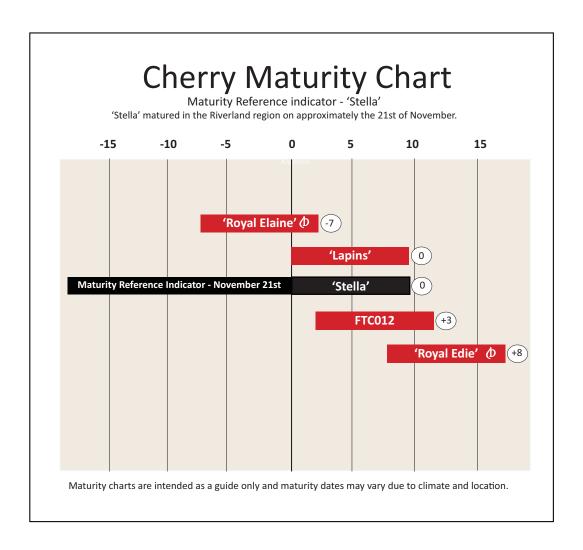
Apricot Maturity Chart

Maturity Reference indicator - 'Earlicot' (b 'Earlicot' (b matured in the Riverland region on approximately the 7th of November.

-35 -30 -25 -20 -15 -10 -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









160 Thonemans Road Hoddles Creek Victoria, 3139 PH (03) 9999 1999 FAX (03) 5967 4645 www.factree.com