

Australian

*STONEFRUIT
GROWER*

incorporating the Low Chill Stonefruit Grower

MAY 2013

...Issue No. 2/13

Innovate or Real-Estate

Combined Fruit Industry Conference

17-19 July 2013, Surfers Paradise, Queensland

Registration & Sponsorship enquiries are now open.



'Australian Stonefruit Grower' is the official publication of Summerfruit Australia Ltd & Low Chill Australia Inc. – the industry bodies representing the interests of Australian stone fruit growers.



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“This project (LCA Communications including this publication) has been funded by HAL using levy contributions with matching funds from the Australian Government.”

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Product Information ...

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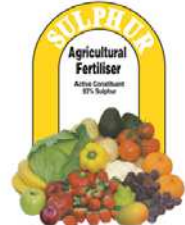
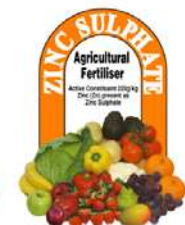
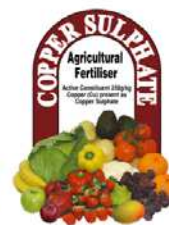


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To find out more about Summerfruit Australia Ltd, check out the website: www.summerfruit.com.au





From the Summerfruit Chairman -

The end of yet another Summerfruit season and the beginning of the next - how was the last season for you? How do you think that the next season will be different?

History says that the last couple of seasons will be the best indication of how next year will pan out on your orchard. There will be some factors beyond your control such as climate and economy and some factors within your control that may change the outcome. But for most orchards, the last couple of years will give a good indication of the next season.

Unless there is a greater than normal incidence of storm, flooding, frost or plague, the total Summerfruit crop will still be 15 to 20% oversupplied to consumer demand and prices will be broadly similar to this season. Some of the fruit from the orchards without canning contracts will inevitably find their way onto the fresh market, making up for any crop reduction from climate or orchards being pulled.

This is not a totally gloomy point of view. There are orchardists that were happy with the last season – they are just very reluctant to admit it. These orchardists have found their market niche, reduced their costs and have high productivity. If these orchardists can continue to keep their customers satisfied, their fruit will still be sold and at a premium to whatever price the market dictates for the ordinary commodity quality product. Another group of growers are able to produce fruit cheaply and efficiently in bulk and are satisfied with the ordinary market price. They must be happy because they keep planting more trees.

An unofficial survey of fruit tree nurseries indicated that about 1 000 000 Summerfruit trees were planted in Australia last year. This would be about 1000Ha or about 8 to 12% increase in area. The nurseries all sold out of Stonefruit rootstocks for this year, so there would appear to be another 1000Ha on the way to production for 2015; those quietly happy, optimistic orchardists again.

Way back in 2005 Summerfruit Australia received a report “*Taking Stock and Setting Directions: A situation analysis and strategic review of the Australian Summerfruit industry*”. This document provides the basis of our current Strategic Investment Plan. In the 8 years since, the world has moved on. None of the people on the board then are still serving and the organisation is much smaller and less costly.

Unfortunately the issues described in the report and the proposed solutions, eight years ago, are still works in progress or are delayed by a lack of funding. The report clearly defined the need for increased investment via increased levy funds or a narrowing of the expenditure focus of the industry.

Eight years later, after the growers’ rejection of a levy increase, the Summerfruit Australia Board and the Summerfruit Industry Advisory committee have fully committed the levy funds for the next few years on projects, including many on Fruit Fly control, some on fruit production and quality and a continued presence in active and potential Asian markets.

The activities of Summerfruit Australia will deliver some tangible benefits to our levy payers in the coming year including:

- **The Journal you are reading;**
- **Conference at the Gold Coast;**
- **Residue reports on Fenthion and Trichlorfon, critical to their continued use on Summerfruit;**
- **Reports on area wide management of MedFly and QFly;**



- Report on alternative chemical controls for QFlies will be finalised – it is already the basis for a minor use registration of Clothianidin;
- There will be interim reports on improving fruit eating quality and consumer preferences for fruit; and
- At the same time a continuing, focussed promotion of Summerfruit will be delivered using the professionals at HAL and their subcontractors.

Outstanding value for your 1c a Kilo levy, \$850 000 levies from a \$250 million gross value industry.

Back to you and your orchard in the coming year. Be you a quiet optimist or noisy pessimist, the new season is approaching. It will look a lot like the previous one and it will be what you do on your orchard which will have the greatest impact on how your season will unfold. Summerfruit Australia is working to the financial physical limit of the resources available to assist, but each year we see greater constraints on action.

See you at the conference.

Mark Wilkinson –
Chairman



Dear all, If evolution has taught us anything it's that innovation is key to developing knowledge and ideas, changing the way we do things (for the better) and for encouraging thinking outside the square. As an industry we are always on the lookout for opportunities to harness innovative thinking – and thinkers – to benefit our key stakeholder - Australian growers.

With this in mind, Apple and Pear Australia Limited (APAL) has joined forces with Summerfruit Australia Limited (SAL) and the Australian Nashi Growers Association (ANGA) to bring you an innovative and thought provoking conference – 'Innovate or Real-Estate' to be held 17-19 July 2013 on the Gold Coast. The title provides participants with a 'reality check' of sorts and sets the scene for the conference focus – innovation.

And while it is fair to say that attitudes towards the industry's future security have been uncertain of late it's important to focus on the possibilities of what lie ahead. Development in new varieties, automation and new market opportunities to name a few will feature prominently in the conference program...it really is an opportunity not to be missed.

With that said, I would like to formally invite you to join me at the Innovate or Real-Estate combined fruit industry conference. Bring your family for a well-earned holiday while opening your mind to the exciting opportunities available to Australian growers. Hope to see you there!

*John Lawrenson
APAL Chairman*

*Mark Wilkinson
SAL Chairman*





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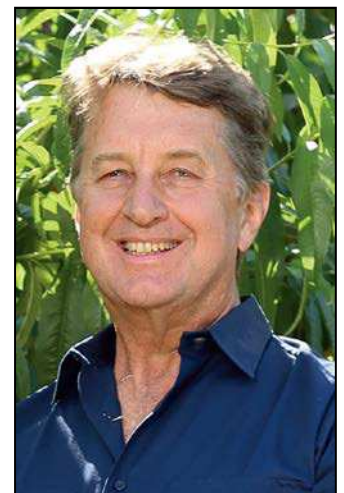
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*From the LCA President –
Mark Napper*



Management of Queensland Fruit Fly brought about by changes in Fenthion usage imposed on us by the decision of the Australian Pest and Veterinary Medicines Authority (APVMA) continues to be the major focus of the Low Chill Australia Executive. We are committed to finding a practical solution to protect the industry and the investment and livelihood of growers made even more difficult by a lack of time and money.

A very successful *Managing Queensland Fruit Fly Field Day* was held in April in the Northern Rivers of New South Wales with approximately 50 growers attending. It was pleasing and encouraging to see such a large turnout not just from the local gang but from Childers, Stanthorpe, Kumbia and even Victoria! Unfortunately, the weather wasn't kind with a rather damp and largely miserable day preventing the orchard walk at **Frank and Naree Pirlo's**, but the rain held off sufficiently for us to venture out and through **Robert and Robin Hood's** orchard.

The day had a very practical on-farm focus instructing us on how and where to set the traps in and outside the orchard. **Richard Bull** gave an excellent talk, willingly sharing his knowledge. It was also great to hear from growers of their experience which was very encouraging.

Thanks must go to Richard Bull who gives so generously of his time; to Frank and Naree Pirlo, Robert and Robin Hood for opening up their orchards; to Scott Herd and the Norco Rural Team for sponsoring the event and of course to Phil Wilk and the NSW DPI who organised such an enjoyable and informative day. All I spoke to on the day left the Field Day feeling more positive about the future.



Another positive note is the encouraging news coming from the HAL funded project run by Terry Osborne and Andrew Jessup (NSW DPI) researching the efficacy of potential chemical controls for QFF management which has shown promising results on Samurai and half strength Fenthion.

The other potential storm cloud on the horizon is the USA stone fruit access. The process is dragging on and as it does so the likelihood of fruit being here for this season becomes slimmer. Latest advice is that it is unlikely to occur this season. We will keep you posted.

For NSW growers, representations have been made on changes to the Category C funding assistance.

The difficulties of this scheme was highlighted post Cyclone Oswald when the Queensland Government promptly to declare Category C. Unfortunately the NSW Government dragged its feet in reaching its decision which left many growers frustrated, annoyed and in financial stress. The scheme needs to be reviewed to ensure efficient and effective decision making as well as reviewing the 51% off farm income constraint which, in these days is archaic, as many growers have been forced, by a number of bad seasons, to seek off farm income to keep their farm. It is those that are often the least able to fund unexpected restorative capital expenditure.

Best wishes for the season and happy reading of this edition of your industry journal.

Regards

Mark Napper – President –



Product Information ...

MELPAT BORDEUAX FUNGICIDE

“It sticks like...

“You can get more vats out in a day”

One of the more unpleasant and time consuming tasks for growers/orchardists is mixing (making) their own “Bordeaux”. This mixture of copper sulphate and lime has been the backbone of disease control in vines for centuries.

In more recent times, the number of crops relying on this product has increased despite its relatively old technology and active ingredients. It has remained one of THE MOST RELIABLE tools for disease control.

Copper-based products have an added benefit over other protectant fungicides in that they are active against bacteria. Bacterial (*Pseudomonas* & *Zanthomonas*) diseases have become a major disease in many fruit and vegetable growing areas.



Control of these diseases start with winter application of copper. Bordeaux is registered in a wide range of crops including stone fruit, mangoes, vines, tomatoes, etc.

Orchardists and farmers these days are “time poor”. With the high cost of labour there are more and more demands on growers.

Melpat has recently released an “Easy-to-Use” Granular Formulation of Bordeaux, which contains Tribasic Copper Sulphate and Lime (Calcium Carbonate). Growers can therefore get “more vats out in a day” now that this time consuming mixing operation is no longer necessary.

Being a co-formulated granule, there is no need to concern yourself with drums. No need to shake drums, just pour the granules into the spray vat whilst the agitator is running and filling.

The improved formulation of Bordeaux contains Tribasic Copper Sulphate as opposed to straight Copper Sulphate. Copper Sulphate is soluble in water, which has inherent problems with sticking on plant tissue surfaces.

We operate in a winter rainfall part of the country. It is therefore essential that sprays applied over the winter months “stick” and are not washed off the plant surfaces.

The addition of calcium hydroxide assists with the sticking (tenacity) properties and this can be seen by the blue covering of the trees after spraying.

Melpat Bordeaux contains Tribasic Copper Sulphate. Being insoluble in water, results in improved residual activity and this is important as winter sprays are less frequent than spring applied sprays and grower expectation is that the copper is expected to last even in wet, rainy conditions.

There are limited stocks of Melpat Bordeaux, so the suggestion is for you to register you interest with your local supplier.

Make it easier on yourself – give it a go – stand back and see the difference.



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Summerfruit CEO Round Up ...

INNOVATE or Real-Estate Combined Fruit Industry Conference

Time to book your seat

at “Innovate or Real Estate” 17th to 19th July

See details and the link below in this article, a must attend conference.

Any positive news is always welcome.

Summerfruit exports were encouraging up by 16 per cent above last season’s volumes (end February) and holding similar prices to the previous year. Not surprisingly the Hong Kong trade was the main destination however UAE destinations are continuing to be the new growth market. Final statistics will be released shortly following the compilation of March / April results, however in advance of this it is reasonable to predict that the 2012/13 season will be the strongest since 2007.

Unfortunately for Industry and AHEA stonefruit exporters the opening of the Philippines and Indian markets did not coincide with fruit availability to capitalize on these two new export opportunities. Biosecurity Australia has been acknowledged for the good work in securing these destinations, particularly for the plum exporters. As previously mentioned in the last Australian Stonefruit Grower (February) SAL will, when funding is available, seek to finalise the European plums verification for Taiwan.

In other developments

Preparations are underway to commence Industry’s next *Strategic Investment Plan* and to incorporate into this plan outputs required to frame a *Summerfruit Marketing Plan*. The scope of the project will confer with a representative selection of Summerfruit stakeholders to gather input and to rank priorities. This will see 1 on 1 telephone interviews with growers across the nation from all production regions and key workshops with stakeholders including wholesale marketers and retail sectors. A Working Group “committee” will be formed to ensure Industry’s interests are properly and fairly represented. This will include that the “situation analysis” is thorough and correct and a good process has been followed in collecting wider industry input to the plan.



As a consequence of fruit fly projects awarded in pursuit of Fenthion alternatives and general chemical efficacy trials the R&D funding for new projects has been severely depleted for 2013/14. Sadly the depleted funding situation is a direct consequence of the failed levy vote in October 2011. The IAC has put on hold valuable projects until the situation improves and Industry regains compliance with the regulatory guidelines set down by DAFF and HAL. Existing projects can be continued.

Perhaps a key recommendation of the new Strategic Investment Plan may be a revisit to increase levies.

A major casualty due to the lack of funds available to the IAC is the Sunraysia PFA. The PFA has been a key trade instrument not only for the Summerfruit Industry but also Table Grapes and Citrus Industries. It is unclear at this time what will be the destiny of the PFA as a result of this dollar shortfall. A series of meetings have been undertaken by SAL to seek solutions however none has been found.

The *Swan Hill Summerfruit Development Association* has offered a Voluntary Contribution with HAL but the \$ Dollar amounts fall short of the required levels. Each Industry is required to raise matched R&D funds of \$794,500 over 3 years, a combined contribution of \$2,400,000(70%) for managing the PFA to combat fruit fly outbreaks, control baiting & trapping and suppression. Previously the funding levels were a 70% input by the Victorian Government and 30% by affected industries. In August of last year these were withdrawn and Government announced a reversal to 70% Industry: 30% Government (NSW & VIC).

The Victorian Government will on 1st July 2013 declare the Melbourne markets endemic along with greater Victoria. NSW has been declared endemic. The Sunraysia PFA will most likely fall due to this funding conundrum. The pressure will mount on South Australia and possibly Tasmania. Recently, in South Australia, *alarm bells* have been ringing with detections of QFF larvae in fruit from Northern Victoria in a Victor Harbor supermarket and in separate incidents a gravid female Medfly in a set trap in Kilburn and earlier 9 Medflies in another set trap in Woodville Gardens. South Australia is very proactive with fruit fly control and is holding a stakeholder desktop simulation outbreak 16th May in Loxton and these incidents will no doubt be discussed.

Our researchers are making inroads with chemical controls and one looks promising - *clothianidin* for the control of Qld fruit fly. The preliminary data from the NSW DPI project SF12012 looks promising and would be sufficiently supportive to satisfy the APVMA. Steps have been taken to work with *Sumitomo* in pursuing a permit. (*Read more - see Andrew Jessop's update in this issue*).

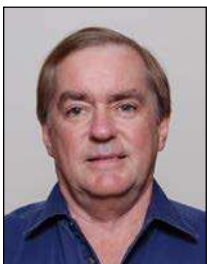
Finally I urge all orchardists to attend the Combined Conference with APAL and Nashi growers to be held on the Gold Coast 17-19th July 2013. There is an exciting program arranged and the preliminary agenda is included in this publication. The Conference committee is finalizing arrangements with key speakers and I will be able to confirm these within the next weeks. The speakers are internationally renowned for their subject matter and by attending you will take away important learning's and innovative ideas. Book now: -



<http://www.summerfruit.com.au/News/News-2013/combined-fruit-industry-conference.aspx>

Contact Helena Medhurst from Loud Events directly on 07 3200 8299 or at Helena@loudevents.com.au. Helena can also assist with booking accommodation and registration.

John Moore – CEO – Summerfruit Australia Ltd.



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Product Information ...

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Product Information ...

Brief history of Nemasun Rootstocks

The idea to start Birdwood Nursery came about in 1976 when Peter Young was an extension officer in the Queensland Dept of Primary Industries based in Nambour. Many fruit growers planting avocados, custard apples and citrus at the time were having troubles establishing orchard trees due to soil borne diseases. The QDPI identified a shortage of clean nursery trees as a major contributing factor. In 1978, Birdwood Nursery was the first purpose built accredited fruit tree nursery in Australia to supply nursery stock tested soil pathogen free.

The low chill stonefruit industry commenced in SE Qld at about 1975 with Professor Wayne Sherman's University of Florida cultivars *Sunred Nectarine* and *Flordasun Peach* being the first two varieties to be grown commercially.

High chill peach rootstocks '*Elberta*', '*Golden Queen*' and later '*Nemaguard*' proved totally unsuitable with a 'spring shock syndrome' disorder delaying vegetative growth and impacting on fruit quality. '*Okinawa*' low chill peach rootstock was a real breakthrough. However compared to some local coastal peach rootstocks, *Okinawa* did not cope well with waterlogging



and succumbed to rootrot during hot wet summers. It also never did well in the Bundaberg region due to inadequate chill in some years.

In search of a lower chill peach rootstock more suited to Qld, in 1982, Birdwood Nursery selected seed from 20 local coastal peach rootstocks (being used at the time) for nematode testing with nematologist **Dr Graham Stirling**, QDPI Pathology Branch Indooroopilly. *Okinawa* was also included as the benchmark control. Testing over 2 seasons showed just 2 rootstocks equalled *Okinawa* and only one exceeded *Okinawa*. Budwood was then collected from the original mother trees and virus tested for Birdwood to supply our own seed going forward.

We then started to test the 3 rootstocks and called them *Nemasun 1, 2 and 3* in order of nematode resistance (*Nemasun*'s derivative is Nematode resistance from the Sunshine coast). Extensive testing in very low chill areas in particular within the Bundaberg region showed *Neamsun 1* was by far the best and far superior to *Okinawa* in terms of earlier full flowering, earlier maturity, larger fruit, less picks, less soft nose (calcium), less vigour from second year and generally better eating quality fruit. It is most likely that the lower vigour contributes to higher precocity. Another interesting characteristic was it is well suited to delayed/staggered pruning of the same variety within the same block to spread the harvest.

Further testing was carried out at the Bangalow trial block over a period of 4-5 years where two trees of each *Nemasun* and *Okinawa* rootstock of most low chill cultivars were planted side by side and comparisons reported in the Low Chill Stonefruit leaflet/magazine by NSW Dept of Agriculture stonefruit specialist, **Phillip Wilk**. A thorough examination of the reports demonstrates that across all cultivars, *Nemasun* and *Okinawa* were very similar with *Nemasun* being superior with some of the new generation, very low chill cultivars but never worse. The higher vigour of *Okinawa* rootstock across all varieties tested is often referred to throughout reports with the need to do additional pruning of new season growth pre and postharvest.

In recent times, it has been reported by Qld growers that new low chill stonefruit cultivars from Californian breeding programmes have only achieved commercial status when grown on *Nemasun*. As a result, all low chill cultivars supplied to Qld growers for the past 5 years have only been grafted to *Nemasun* low chill peach rootstock.

Peter Young - *Managing Director*
Birdwood Nursery



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17 to 19 July 2013 – Gold Coast – Queensland



INNOVATE or Real-Estate - Combined Fruit Industry Conference



Innovate OR Real-Estate

Apple and Pear Australia Limited (APAL) have joined forces with Summerfruit Australia Limited and Australian Nashi Growers Association to provide a glimpse into the innovative future of Australia's fruit production.

The three day event will be held in July at the QT Hotel on the Gold Coast.

What: **Innovate or Real-Estate
Combined Fruit Industry Conference**

When: **17-19 July 2013**

Where: **QT Hotel Surfers Paradise, Queensland**

**Registration & Sponsorship enquiries
are now open.**

For further information
contact APAL's
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03 9329 3511 or email
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Industry Information ...

Scientific program now available for the 29th International Horticultural Congress

'Horticulture - sustaining lives, livelihoods and landscapes'



29th International
Horticultural
Congress 2014
17 – 22 August 2014

Brisbane Convention &
Exhibition Centre
Brisbane Queensland
Australia

Concurrent symposia in the scientific program are linked to 4 sub-themes of *sustaining lives*, *sustaining livelihoods*, *sustaining landscapes* and *tropical horticulture*. Whether your industry interests are in fruit and vegetables or health, horticulture and human communities, global development for world food development, Asia-Pacific horticulture, water scarcity, salinization and plant-water relations or more specifically fruit and nuts, vegetable crops, ornamentals, production and supply chains, new cultivars and plant suppliers, IHC2014 has something to offer you and your association.

Research, teaching, extension and industry members that have interests in food production and/or lifestyle horticulture should attend these sessions on sustaining lives, livelihoods and landscapes.

To view the scientific program and download the individual home pages of symposia please see http://www.ihc2014.org/scientific_program.html

We invite the members of your association to attend and participate in this exciting horticultural event.

Read more about IHC2014 on <http://www.ihc2014.org> and click on our Expression of Interest icon to receive our e-newsletter.

The Queensland Government, Department of Agriculture, Fisheries and Forestry and Horticulture Australia are the foundation sponsors for the Congress.

Contacts:

Dr Russ Stephenson on email:

Russ.Stephenson@daff.qld.gov.au

Congress Secretariat: info@ihc2014.org

Website: www.ihc2014.org



Industry Information ...

New program to advance aspiring industry leaders

APAL has teamed up with recognised agribusiness course provider **Marcus Oldham** to provide aspiring business leaders with the skills needed to advance the future of horticulture.

The *Emerging Business Leadership* program will include subjects to enhance business decision-making, strategic planning, provide negotiation, team-building and leadership skills at the enterprise and industry level.

APAL Managing Director **Jon Durham** said program has been developed specifically for **apple, pear, stone fruit and cherry growers** and is designed to build on experience already gained through working in the industry. "The apple and pear industry is often intertwined with cherries and stone-fruit so the course was structured to encourage cross-participants from these sectors," Jon said.

"By partnering with Marcus Oldham we can offer aspiring leaders with a chance to work together to broaden their skill base and develop the skills needed to successfully lead horticulture into the future.

"By providing participants with an opportunity to meet and build networks from across the supply chain we are also providing a platform to help build a united front for horticulture," he said.

The intensive five day live-in leadership program will run from 30 June to 5 July 2013.

The program is an initiative of APAL and is partially sponsored by Horticulture Australia Limited (HAL). It is open to growers, pack-house and cool-store operators, wholesalers, exporters, retailers, agronomists, researchers, input suppliers and those working in the agri-banking sector.

"It's important to provide emerging business leaders with the opportunity to develop the skills needed, to not only further their career, but help progress the future of the industry," Jon said. "And while it's difficult to put a price on education, with HAL's support we can offer the course for just **\$1,500 per person** – an opportunity too good to refuse."

Course contact: APAL Industry Services Manager Annie Farrow 03 9329 3511 or email afarrow@apal.org.au

Product Information ...

Austar plant growth regulator and BGA AgriServices

Does pruning trees take too much of your time? With increasing wage costs, a tool that helps to minimize time spent in the paddock is essential.

Austar is a systemic growth regulator used to reduce internode lengths of new shoots and cause earlier formation of terminal buds. Many growers will have used other formulations of paclobutrazol (eg: Cultar) that have been available for many years.

Austar is an Australian made product, manufactured to Australia's very high standards. **Austar** is currently registered on all Stonefruit, Mangoes and Avocados in Australia.

Austar has proven to give excellent results when applied according to the label directions for stonefruit, avocados and mangoes. **Austar** is ideally suited as a tool for helping to control the height of stonefruit trees to enable pruning, thinning and harvest from the ground. As labour prices increase it is becoming less and less economical to have tall trees which must be managed using ladders or platforms.

Austar is ideally suited to intensively managed orchards where trees have almost filled their allocated space and vegetation management is critical to reduce shading and maximize fruit size and quality. **Austar** should only be applied to healthy trees. **Austar** can lead to increased cropping of the trees and so a higher level of fertilization may be necessary to fill out the increased crop.

BGA AgriServices has formed a partnership with Chemicals Direct, who manufacture **Austar** in Perth, to distribute **Austar** in Eastern Australia. With our supply partners, we are able to supply **Austar** to growers throughout Queensland and New South Wales. BGA AgriServices has a focus on providing on-farm agronomic advice from experienced and qualified horticulturalists to help you grow and manage your orchard as well as supplying all of the products you need.

For advice on using Austar or for supply enquiries contact your nearest BGA AgriServices store or Neil Mungall – Senior Agronomist on 0427 739 540 or David Whytelaw at Chemicals Direct on 0402 565 580.



Product Information ...



BGA AgriServices is now distributing Austar throughout Queensland and New South Wales.

Benefits of Austar:

- Reduced tree height
- Reduced lateral growth
- Earlier formation of terminal buds
- Improved fruiting
- Improved light penetration
- Better crop accessibility
- Better fruit shape
- **BETTER RETURNS**

PLANT GROWTH REGULATOR

ACTIVE CONSTITUENT: 250g/L PACLOBUTRAZOL

For superior growth control and cropping management in Stonefruit, Mango and Avocado.

Easy to apply

Safe to use



For more information contact:

Neil Mungall at BGA AgriServices—07 4160 0500 / 0427 739 540 / Email: nmungall@bgaagri.com.au

Or

David Whytelaw at Chemicals Direct—08 9388 4774 / 0402 565 580 / Email: david@au-star.com





Industry Information –

Aren't all fruit flies the same? or why Medfly is not Qfly

All Australian growers are aware that the main pest fruit fly in eastern Australia, *Bactrocera tryoni* (Queensland fruit fly or Qfly), is different to the fly in Western Australia, *Ceratitis capitata* (Mediterranean fruit fly or Medfly). What seems to be less well understood is how different they are and why this is important for current field management and R,D&E.

Qfly is a fly endemic to Australia. Originally restricted to tropical and subtropical coastal eastern Australia, it now extends across all eastern mainland Australian fruit growing regions except where under regulatory control.

Medfly is native to sub-Saharan Africa but is now widespread across the globe, including WA where it invaded in the late 1890s.

Both Qfly and Medfly are true fruit flies, members of the insect family Tephritidae. There are over 5000 species of tephritid across the World and not all have maggots that feed in fruit; others feed in the seed heads of daisies, in young bamboo shoots, and even decay spots under the bark of fallen rainforest trees. However, all the pest fruit flies lay their eggs into fruit, where the larvae hatch and feed, before leaving the fruit to pupate in the soil and then emerging as an adult. If both Medfly and Qfly show this common pattern, which they do, why aren't they then the same?

In the fruit fly world Qfly and Medfly can be considered as cousins to each other; they share a common ancestor and have common traits, but they are not as closely related as are, for example, Qfly and Lesser Qfly (*Bactrocera neohumeralis*).

Recent genetic analysis, calibrated using the known age of fossilised flies, suggests that the last time Qfly and Medfly shared a common ancestor was around 80 million years ago. In contrast, for Qfly and Lesser Qfly it was two to three million years ago. When you compare this with the age of the human species, which started separating from our relatives at around 200 000 years ago, it is very clear that Qfly and Medfly are far from being the same thing.

This divergence between the species shows up in a huge range of characteristics from major to minor. Medfly for example does best in a Mediterranean environment with hot dry summers. Qfly, in contrast, needs high humidity in summer: this drives differences in their abundance and the seasonal peaks and troughs of their populations. Qfly respond to cuelure and Medfly to TriMed Lure; but these lures are totally different in how they attract the flies and research done on one (for example in density of trapping rate) cannot be extended to the other. The response to protein bait sprays is also likely to be very different.

Fruit flies in general are only weakly responsive to protein once sexually mature and so protein bait sprays are best targeted at newly emerged flies, but sexual maturation takes 7-10 days in Qfly and only two days in Medfly, so the operational window is greatly reduced for the latter species. The physiologies of the flies are also different, so it cannot be assumed the optimum protein formulation for Qfly will be the same for Medfly. Similarly the parasitoids, which best target Qfly, are not the best for Medfly... and so the list of differences goes on.

In a post D&F environment, the implementation of alternative control strategies will require a much greater knowledge of the basic biology of flies than was needed for cover-sprays. While both are true fruit flies and cause the same type of damage, Qfly and Medfly are biologically very different and independent management strategies need to be developed for both. For Medfly there is a vast amount of international R,D&E experience which can (and is) being trialled for its value in Australia, for Qfly we need to rely more on local experience and research.

Acknowledgements

This article was written by Tony Clarke of the Queensland University of Technology as part of HAL Project SF12013. This is the first of what will be a regular series of articles providing information on fruit flies and their integrated control. This project has been funded by HAL using the Summerfruit's growers levy and matched funds from the Australian Government.



Horticulture Australia





Product Information –



Crop load management is vital for consistent crops of large, quality fruit.

Blossom thinning has many advantages ~ especially competition for tree resources are reduced, leading to increased fruit size.

The New **Cinch** is a portable, string-style thinner that attaches to a ½” cordless drill, or to an air or hydraulic power source.

The **Cinch** allows the operator to thin blossoms on any tree style – vase, trellis central leader

No special tree training needed – operator has full control for all limbs & laterals

The aluminium rod holds special pliable tubing that knocks the blossoms off yet is lightweight, effective and causes effectively no damage to the trees

Available in 900mm, 1.2 and 1.5 m lengths

The **Cinch** can be used from pre-bloom to petal fall, but is most effective at balloon to full bloom

Suitable for peach, nectarine, cherry and apple especially precocious trees like cherry on Gisela rootstock, low chill stonefruit and heavy setting nectarines.

The solution is a **Cinch – order yours today**

Contact: Russell Fox – InSense Pty Ltd, 6 Sims Road, Cobram Vic 3644 Australia – Mobile: 0407 366 526

Email: russell@insense.com.au – Website: www.insense.com.au

Research Update – Alternatives to dimethoate and febthion –

Summerfruit Chemical Bioassays SF12012 Update

1. Laboratory Chemical Bioassays

Laboratory based studies have commenced on determining the most attractive alternatives to dimethoate and febthion from the following list of potential replacements: Abamectin, Acetamiprid, Bifenthrin, Clothianidin, Cyantraniliprole, Cypermethrin, DC-092 Coded Molecule, Fenthion (full rate), Emamectin benzoate, Dimethoate (half rate), Fenthion (full rate), Fenthion (half rate), Imidacloprid, Malathion, Methomyl, Spinetoram, Tau-fluvalinate, Thiocloprid and Trichlorfon.

1.1. Laboratory Chemical Bioassay 1: Effects on adult mortality

This bioassay has been completed and the results are currently being analysed. Based on the results from this part of the trial the following potential alternatives were further tested in the laboratory: Fenthion (full rate; standard), Fenthion (reduced rate – half label rate), Thiocloprid, Imidicloprid, Clothianidin, Acetamiprid, Emamectin-benzoate, Control (water)



1.2. Laboratory Chemical Bioassay 2: Effects on adult mortality, adult repellence and oviposition

Three replicates have been completed on the abovementioned chemicals: Sieving the vermiculite to count surviving pupae from Rep 3 is Complete. Surviving adult flies have emerged. Data have been collected and sent to the Biometrician for statistical analysis. Initial results indicate that the best chemical options are:

1.3. Laboratory Chemical Bioassay 3: Effects on egg/larval mortality

Replicates 1, 2 and 3 have been completed. Data are yet to be obtained from incubating fruit.

Raw data suggest that the best alternatives to dimethoate and fenthion are: Clothianidin, Emamectin bezoate, and Fenthion (half rate).

2. Orchard Chemical Bioassay

The above mentioned three chemicals were tested aging the standard Fenthion (full rate) in a peach orchard.

The results of the Orchard Chemical Bioassay have been collected and recorded. The standard spray of Fenthion was 100% efficacious in this experiment as was Fenthion applied at half the recommended rate. Emamectin was not efficacious to the level of mortality likely to be useful in controlling fruit flies in peaches. The efficacy of Clothianidin was close to that of the Fenthion (half standard or standard label application rates).

When the possibility of post-treatment oviposition was considered in these trials the standard rate of fenthion and the half label rate of fenthion both resulted in 100% efficacy. Emamectin was also 100% effective but only when the treatment was applied only one day prior to fruit fly exposure. At five days after treatment adult flies that were still alive were able to lay into fruit before succumbing to the treatment. Clothianidin was highly effective but not to the 100% efficacy level.

Product Information –

Introducing the . . .

Cinch – the labour saving, handheld mechanical blossom thinner.

The *Cinch* reduces labour by ½ to 1/3 in thinning costs for fruit trees.

Crop load management is vital for consistent crops of large, quality fruit. Blossom thinning has many advantages ~ especially competition for tree resources are reduced, leading to increased fruit size.

The *Cinch* is a portable, string-style thinner that attaches to a ½” cordless drill, or to an air or hydraulic power source.

The *Cinch* allows the operator to thin blossoms on any tree style – vase, trellis central leader

No special tree training needed – operator has full control for all limbs & laterals. The aluminium rod holds special pliable tubing that knocks the blossoms off yet is lightweight, effective and causes effectively no damage to the trees. Available in 900mm, 1.2 and 1.5 m lengths

The *Cinch* can be used from pre-bloom to petal fall, but is most effective at balloon to full bloom. Suitable for peach, nectarine, cherry and apple especially precocious trees like cherry on Gisela rootstock, low chill stonefruit and heavy setting nectarines.

Check the *Cinch* on YouTube <http://youtu.be/mmy7-ijzzY> and <http://youtu.be/DGJyHYDAIBY>

Orders and enquiries to Russell Fox – Mobile: 0407 366 526 – Email: russell@insense.com.au



Fruit Fly Field Day Report –

Managing Queensland Fruit Fly Field Day



Fig 1 Robert Hood identifies where traps should be placed on his orchard

An information and field day was held for stone fruit growers and product resellers in northern NSW on 10th April 2013. On this day we visited two properties. Frank and Naree Pirlo's at Numulgi and Robert and Robins Hood's orchard at Newrybar.

In the past, most NSW and Qld stone fruit growers have had two regulatory systems to manage - the Interstate Certification Assurance Scheme (ICA21) and the chemical label legislative requirement.

Many of the ICAs are now being dismantled for fruit from Qfly endemic areas going into Victoria. DPI Victoria now recognises that they too have regions of low pest prevalence for at least part of the season and that a grower inspection for market access will be all that is required of NSW and Qld fruit.

Unfortunately the ICAs will still be required for Qfly host fruit going into the SA, Tasmanian and WA markets but this is quite a small percentage of the total fruit volume to some extent it will simplify things as growers now will only need ensure the integrity of their produce and that it is Qfly free.

This was the second field day this year which was organised by LCA, NSW DPI and Norco to give confidence to growers in being able to implement a systems approach to managing Queensland Fruit Fly (Qfly) on their individual orchards this coming season.



Our main speaker was again **Richard Bull** entomologist from Mt. Tambourine who presented his systems approach to managing Qfly in January. At this field day he described and demonstrated how he manages Qfly on a kiwi fruit orchard in the Mt Tambourine area.



Fig 2 Richard Bull presenting trapping systems for Queensland Fruit Fly

It is important to note the very different climate to that of northern NSW and the Sunshine Coast region and that stone fruit are much more susceptible to Qfly damage than kiwi fruit therefore we are trying to adapt many of the principles outlined by Richard for our particular situation.

Firstly it is important to note that at this time *Fenthion* and a number of other chemicals are still registered for Qfly control. I would hope that they remain so for at least the next few seasons. This will definitely give growers some added confidence in using the systems approach plus having *Fenthion*, *Trichlorfon*, *Maldison* and *Spinetoram* as backup systems.

Richard was sent aerial maps of the two properties, Frank Pirlo's and Robert Hood's, so he could give practical advice to growers on how to lay out traps and to identify the key areas on which to concentrate baiting.

Richard's approach has 5 principles.

1. Monitoring using traps
2. Placing attract and kill baits (MAT) in the orchard in a grid layout
3. Using protein baiting regularly and early to catch female flies
4. Orchard hygiene
5. Recording fly numbers



Richard identified key areas where traps should be placed on both Frank's and Robert's orchards. It was clear the traps needed to be placed well before the season begins to get background numbers.

Identifying where Qfly will rest or settle when it is either hot or cold such as tree lines, gullies or urban backyards are places where fruit trees will need to be monitored. They are areas from where flies will re infect an orchard. Bait sprays and Amulet® lures can be placed in these areas early (2 weeks after fruit set) so females that emerge in spring and are hungry for protein to lay eggs can be attracted and killed before they enter orchards.

The orchard can be fitted with *Amulet*® Cue Lure baits on a 25 metre grid pattern (16/Ha) beginning and ending on the outside tree row and every 7 days a yeast/Maldison (AY50) autolysate protein mixture should be applied to foliage whilst trying to avoid spraying fruit.

From approximately mid-August Fenthion sprays can be applied up to 3 weeks from the harvest of each variety. Protecting fruit early on will avoid early Qfly stings. The other knockdown chemicals *Trichlorfon*, *Maldison* and *Spinetoram* can be used during the period 3 weeks from harvest.

One major issue that was highlighted is just how to get people who are not producers that are living in rural areas and have backyard fruit trees to control Qfly. Do we try and get community help by publicising the issue via radio or get councils on board. Without community awareness, Qfly will be breeding in these areas and no amount of orchard management by commercial orchardists will be effective.

Thanks go to everyone who helped out on the day but especially Frank and Naree Pirlo, Robert, Robin and Michelle Hood, Greg and Lynelle Foster for hosting everyone on the day and providing the BBQ lunch. Thanks also go to Scott Herd and Norco Rural stores for sponsoring the day.

Phillip Wilk - NSW Department of Primary Industries – Alstonville NSW



Industry Information ...

Diary Note - 17 to 19 July 2013 – Gold Coast – Queensland



The Conference will include the Annual Levy Payers' Meeting and Summerfruit Australia Ltd. Annual General Meeting. – For More Information Contact: John Moore – CEO Summerfruit Australia Ltd, 8/452 Swift Street, Albury, NSW 2640 – Ph: +61 2 6041 6641, Mobile: 0419 305 901, Email ceo@summerfruit.com.au.



Product Information ...

New Felco 820 delivers on power and innovation

Felco of Switzerland is currently releasing its new Felcotronic 820 on the Australian market. The new product is entirely designed, developed and manufactured in Switzerland. The model is a powerful, fast, reliable and easy-to-handle electric pruning shear that offers a number of innovative features.



The **Felco 820** is recommended for a wide range of pruning applications from arboriculture to forestry work. Its large cutting capacity of 45mm makes it ideal for use on mature trees in orchards and for vineyard rejuvenation. It is also recommended for use in landscaping and parks and gardens where heavy-duty cutting is the norm.

The **Felco 820** is extremely powerful. It can handle dry wood from older, established trees to Australian native flowers. The powerful straight drive mechanism ensures clean, accurate cuts with no twist, regardless of cutting diameter. The curved cutting head ensures that the tool is not pushed back when making larger cuts, reducing operator fatigue. Rapid opening and closing ensure time-saving and productivity.

A new feature of the **Felco 820** is half-opening on the go. Simply double-pressing the trigger activates the semi-open mode, saving valuable time with small and medium-scale cutting. This gives highly accurate control of blade movement and eliminates the need to switch between an electric pruning shear and a saw.

The new-design harness offers the optimum combination of user comfort and exceptional charging capacity. It can be used with either one or two batteries depending on the load level required. The backpack-style harness can easily be adjusted and sits close to the body for freedom of movement.

The power pack is fully compatible with **Felco 800** and **810** models. The ultra-light and slim LiPo batteries recharge within two hours. A USB port enables charging of items such as a mobile phone or MP3 player.

The forged aluminium body provides exceptional strength and long life. It is dust and water resistant, yet offers easy access for servicing. Felco has put great effort into simplicity of maintenance procedures with a view to saving time for operators. Daily and weekly maintenance only takes a few minutes. As with all Felco products, all parts can be replaced.

Felco Australia is looking forward to a successful product launch. “We have participated in extensive testing of the tool over the past two years, and have been very pleased with the results. The tool is getting a great reception from users requiring a strong tool that delivers large and small cuts without compromising speed. We think the **Felco 820** will quickly find its place in the market this season” said **Blaise Vinot**, Managing Director of Felco Australia Pty Ltd.

The Felco 820 is now available at Felcotronic Dealers nationally.

For more information contact Felco on 1800 730 257 or visit www.felco820.com





Industry Information ...

Horticulture IDG getting on with the task

The Horticulture Industry Development Group (IDG) has kick-started 2013, meeting in Brisbane to set the work for the year ahead. The group was formed in October last year to work with the Department of Agriculture, Fisheries and Forestry (DAFF) to progress issues relating to the future prosperity of the Queensland horticulture sector.

Horticulture IDG looks to help grow the Queensland industry and guide research and development by focusing on the following areas:

- supply chains and markets
- productivity and the environment
- policy and regulatory reform
- workforce development.

Work for 2013 includes mechanisation and robotics, opportunities for improved genetic stock, industry marketing of fresh produce, consumer focused value chains and opportunities to reduce red tape related to quality assurance and interstate market access.

The group has also provided feedback and input into the development of the Queensland Government's horticulture workforce development plan. The driving force behind the Horticulture IDG is the extensive experience and expertise of its members and industry participants.

The group is made-up of leading industry and business people from across the Queensland horticulture sector and is chaired by **Mr Selwyn Snell** who is also the Chairman of *Horticulture Australia Limited* and a board member of *Plant Health Australia*.

Queensland's horticulture sector is encouraged to provide input to group's activities.

For further information on the Horticulture IDG and the 2013 work priorities, contact the group directly at HorticultureIDG@daff.qld.gov.au.

WANTED

I am interested in purchasing a used (to keep costs down) sizer capable of handling gold kiwi fruit. I expect it to be able to mount a Sinclair Labeller and have about 12 sizes.

We are currently packing into loose fill bulk boxes of a particular count, hence an ability to count fruit into a box and then move to the next box would be good.

Any help would be appreciated.

Ross Stuhmcke
General Manager
Blackboy Ridge
P: (07) 5462 5202
F: (07) 5462 5333
M: 0413 179 133
E: bbr385@bigpond.com

FOR SALE



David Brown 950 \$2000



1500 Lt System sprayer with Braglia electronic controls \$7500



David Brown 990 \$3000



Kawasaki 610 Diesel Mule, 4WD, Diff Lock, Tow Bar, High Air Filter, Lights, Tip Tray - \$4000



Complete Grading line from Automatic Bin Tipper to tray fillers or tubs. \$25000

ALSO FOR SALE -

David Brown 880 - \$2000
Kubota B7000 with Enviromist Weedsprayer - \$2500
Southern Cross Electric Pump - \$900

Contact -

Ross Stuhmcke - General Manager
Blackboy Ridge, 385 Forestry Rd, Gatton Qld 4343 - Ph: (07) 5462 5202; Mobile: 0413 179 133
Email: bbr385@bigpond.com



Industry Information ...

Innovate or Real-Estate

Combined Fruit Industry Conference

17-19 July 2013, Surfers Paradise, Queensland

Registration & Sponsorship enquiries are now open.



Speakers announced!

With only three months remaining to register for the **Innovate or Real-Estate** combined fruit industry conference on the Gold Coast...things are really starting to ramp up! With many speakers confirmed (and more to come), the event is shaping up to deliver a thought provoking but practical glimpse into the future of the fruit industry. Don't miss out...REGISTER NOW!



Facilitator Gavin Freeman – Director, The Business Olympian Group

Overcoming hurdles in today's business environment – sound familiar? Author and psychologist, Gavin has spent the better part of his career consulting to CEOs, executives, managers and elite coaches to deliver a variety of programs to assist businesses or individuals overcome the hurdles they face.

Having spent time working with Olympians, Gavin understands the mental toughness many go through to prepare for change and how best to use it to an advantage. Gavin will use this experience to ensure participants get the most out of each speakers session – and ask the tough questions.



Salah Sukkarieah – Professor Robotics and intelligent Systems, Uni of Sydney

Robotics and automation could just be the hero the industry is looking for. It has the potential to slash the cost of labour in orchards, which account for almost 50 per cent of production. Be transported to the future of automation when international expert in field robotics Salah Sukkarieah explains how future technologies can help growers manage their harvest on the go.



Craig Hornblow – AgFirst (NZ)

Technology is advancing at a mammoth rate and it can be hard to keep up with the latest phone let alone business applications. And if you do have a handle on it... which program or tool will provide you with the greatest return?

With more than 25 years in the horticultural industry, Craig has travelled extensively throughout Europe and the United States searching for the next big technological must have. Craig will discuss examples of successful applications, which to adopt and how to utilise them effectively in today's orchards.



Morris Miselowski – Business Futurist

Morris Miselowski knows that the next decade will see the equivalent of 100 years of change. He knows that in 2020, 60 per cent of the workforce will be doing jobs that don't yet exist, in industries that haven't been created. And he knows that all of that change will come through people, not technology.

Morris will take you on a tour of tomorrow's world – a world where we will live much longer and work, play and consume in a way that is unrecognisable today. Find out how you can be a part of the future!



David Harris – Harris Farm Markets

David Harris' career path could have been a 'dead end' had it not been for his wife Catherine redirecting an earlier idea to run a funeral parlour. He has since built a retailing empire based on renewed interest in good-quality fruit and vegetables. He understands what it takes to succeed in the current retailing sector...and you could too!



Phil Allison – Rokit apple

KPMG enterprise award 2010 recipient for the Rokit apple, Phil Alison knows a good product when he sees it. With a background in Plant and Food Research, he also understands the amount of planning and hard work it takes to turn a new idea or product into a moneymaking asset. Come along and hear about his experiences...you may just learn how to pick the next big thing – and market it!



Roger LaSalle – Innovator

The industry needs to innovate to secure its future but how does one really innovate? Roger LaSalle will take participants through what it takes to begin to think more innovative.

Roger has worked across all industry sectors and can often see an opportunity which open doors previously thought unavailable.



Ross Wilson – AgFirst (NZ)

So you've got an innovative idea, but how will you fund it? Ross Wilson will help growers explore the dollar and cents of their business using data readily available on their orchards. Learn which areas of the business have the potential to fund new innovations and which innovative changes will provide a larger return on investment.

Ross has more than 30 years of horticultural experience in apples, pears and stonefruit. A grower himself, Ross has lived, and is living the same key issues that orchardists are facing today.

REGISTER NOW!

To book or enquire about accommodation contact Helena Medhurst on 07 3200 8299, helena@loudevents.com.au

For sponsorship and exhibitor enquiries contact Andrew Dick on 0467 676 543, adick@nem.net.au



Know-how for Horticulture™

Industry News ...

Compensation request as high dollar hits home

Australian Broadcasting Corporation, 23 April 2013

Fruit growers in Victoria's Goulburn Valley are asking the Federal Government for special financial packages to pay them to bulldoze their trees. Fruit processor SPC Ardmona has told growers it can't compete with cheap imports and will halve production. An estimated three quarters of a million pear and peach trees will have to be ripped-up as they're now worthless.

Tony Latina has been supplying SPC Ardmona for 45 years, and thinks it's time the Federal Government helps pay for rationalisation of the industry. "They are partly to blame for the situation, for the high dollar and no tariffs on imports, that's created the problem and it's been building up and building up over probably the last five or six years," he said. "We need some sort of restructuring, compensation for a start to remove the trees."

The general manager of Fruit Growers Victoria, John Wilson, said high dollar stops Australian fruit from competing on the world market. "Back in about 2009, the world's canned fruit countries met, and Australia was about 92 per cent of the world median cost of production," he said. "When you just substitute current exchange rates into that equation, we are at about 120 per cent."

Source: Apple & Pear World News – Volume 16, Issue 9



Imports ...



Biosecurity Advice 2013-09- Release of the final pest risk analysis report for *Drosophila suzukii*

24 April 2013

This Biosecurity Advice notifies stakeholders of the release of the Final pest risk analysis report for *Drosophila suzukii*. The Department of Agriculture, Fisheries and Forestry (DAFF) recommends the application of phytosanitary measures to manage *Drosophila suzukii* associated with the importation host fruit to Australia, as specified in the Final pest risk analysis report for *Drosophila suzukii*.

Spotted-wing drosophila, a vinegar fly, (*Drosophila suzukii*) was confirmed present in the USA in 2009 and has been recorded from a large variety of plant species where the immature stages of the fly occur within host fruit. Unlike other drosophila species, this pest has been found to cause damage to commercial fruit before harvest, and may be on the pathway for traded host fruit.

Since 2009, *Drosophila suzukii* had been confirmed to cause damage to fruit of caneberries (e.g. raspberries), cherries, stone fruit, strawberries, grapes and blueberries in North America, Asia and Europe.

In response to the new threat of *Drosophila suzukii* in host fruit imported from the USA, Australia announced emergency measures on 7 April 2010 to manage the risk of this pest entering and establishing in Australia. DAFF issued a draft pest risk analysis (PRA) report on 21 October 2010 for comment.

Eight submissions were received on the draft report and the final report was amended to include all scientifically valid comments. In addition the final report includes the latest available information relevant to the risk associated with *Drosophila suzukii* in host material.

The final PRA report identified a range of fresh fruits as potential pathways for the introduction of *Drosophila suzukii* into Australia that have an unrestricted risk that exceeds Australia's appropriate level of protection (ALOP); therefore, risk management measures are required. DAFF considers that the risk management measures proposed in this final PRA report, supported by efficacy data, will achieve Australia's ALOP against *Drosophila suzukii*. Specifically, the proposed risk management measures are:

- area freedom from *Drosophila suzukii*; or
- a systems approach that may use pre- and post-harvest measures to manage fruit potentially infested with *Drosophila suzukii*; or
- the application of a treatment to fruit known to be effective against *Drosophila suzukii*.
 - Current approved treatments include methyl bromide fumigation for strawberry and cherry; or
 - sulphur dioxide/carbon dioxide fumigation followed by a six-day cold treatment for table grapes.
- In addition, this report recommends methyl bromide fumigation for stone fruit (peach and nectarine only).

The final PRA report, which recommends ongoing measures, meets Australia's international obligations under the World Trade Organization's Agreement on the Application of Sanitary and Phytosanitary Measures.

Printed copies are available, if required.

Next Steps

The release of this final report is an administrative step and is not the final step in the import process.

Cherries, table grapes and strawberries from the USA were previously imported to Australia, and the detection of spotted-wing drosophila in these commodities in the USA caused disruption to the existing trade. Quarantine measures that have been identified by the USA and supported by efficacy data have been assessed and approved for use by DAFF.

Stone fruit (peaches and nectarines) from the USA will be a new import pathway for Australia and a range of operational processes will need to be established before trade can commence. Australia is familiar with a very similar pathway; imports of fumigated cherries from the USA have occurred for many years. Apricots and plums will not be able to trade until an appropriate treatment has been identified by the USA and assessed by DAFF.

DAFF may visit the USA to audit the implementation of the agreed import conditions for peaches and nectarines, including operational procedures in packing houses and methyl bromide fumigation treatment application.



No import permit will be issued until DAFF is satisfied that the USA is able to comply with the import conditions that have been determined. The issuance of an import permit is a regulatory process that is subject to judicial review.

Dr Vanessa Findlay – *First Assistant Secretary*

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The MB schedule for stone fruit (peaches and nectarines only) is;

- 48gm/m³ for two hours at a pulp temperature of 13.9 °C or greater

This treatment is supported by efficacy data.

This MB rate is more stringent than recommended in the Final US stone fruit IRA as the MB dose of 48 is applied is at a higher temperature.

The MB schedule in the stone fruit IRA for other quarantine pests is;

- 32g/m³ at a fruit pulp temperature of 21°C or greater
- 40g/m³ at a fruit pulp temperature of 16°C or greater or
- 48g/m³ at a fruit pulp temperature of 10°C or greater.

Publication Details ...

Australian Stonefruit Grower ***incorporating the Low Chill Stonefruit Grower*** ***- 2013 Publication Timetable -***

Contributions are invited for the next scheduled publication - **AUGUST 2013.**

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<i>Copy Deadline</i> 10 February	<i>Copy Deadline</i> 28 April	<i>Copy Deadline</i> 7 August	<i>Copy Deadline</i> 7 November

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