

New CMS initiatives on trial at Woodhaven Gardens

A new pilot scheme in development for next season will see Crop Monitoring Services (CMS) implementing much faster communication and reporting processes between their monitoring scouts, the Tracit centralised database and Fruitfed Supplies representatives in the field.

Claire Mills, manager for Fruitfed Supplies' Palmerston North and Levin branches, is one of a few staff members set to trial a new palm-top computer, or PDA, to speed up communications with clients such as large market gardeners Woodhaven Gardens just south of Levin.

"The aim is to improve the efficiency of information transfer to both the grower and me, as the grower's representative," says Claire who will work with the CMS team as they develop and roll-out the PDA pilot programme over the winter months.

Currently monitoring results are sent to the grower within 24 hours via their preferred means, typically email or fax. With the pilot, Claire will receive the grower's monitoring results direct to a PDA she can take with her in the field. Claire will then be able to prepare her spray recommendations, email them back to the Tracit home-base, where the recommendation report is prepared and emailed to the grower, in this case Woodhaven Gardens.

Woodhaven's production administrator Paul Coote can then distribute the recommendations to the crop managers, verify which sprays were applied and when, log the details in their Cropwalker software and thus maintain a complete record of pesticides and fungicides applied to each of Woodhaven's 18 crop types.

"We currently use Cropwalker™, from Muddy Boots, but it's fair to say that we've used it largely as a way to retrospectively record our spray diary," says Paul. "We're keen to utilise more of the proactive functions available in Cropwalker to help with detailed processes such as the forecasting reports which our crop managers use to plan which crops need product applied and when, and product ordering to ensure we've got stocks of the right products at the right time."

John Clarke, owner and hands-on manager of Woodhaven Gardens, says he is keen to improve the efficiency and timeliness of spray applications through the enhanced speed of communication afforded via the PDA pilot.

"With 18 market garden crops including onions, silverbeet, lettuce, radishes, baby beetroot and brassicas, we have a complex business to manage on a day-to-day basis. Anything that helps us speed up our response to pest or disease outbreaks, while also allowing us to automatically record our actions in the Cropwalker database to ensure traceability, should help our overall efficiency," says John.

John is also a shareholder in major brassica producer, Kapiti Green, and fellow



Claire Mills, Fruitfed Supplies Palmerston North and Levin branch manager, amongst a crop of leeks with Woodhaven Garden's production manager Martin Wallace.

In this issue we look at:

- ✓ The new molluscide, Multiguard
- ✓ Getting the best from Bacseal
- ✓ Minimising HiCane spray drift

Continued on page 2

director Andrew Yung is looking forward to seeing the results of the PDA trial. "I'm not sure at this stage how it's all going to work but if it means we get our monitoring results more quickly, then we can take action more quickly and that's got to be a good step forward," says Andrew.

Supporting growers with new initiatives

The PDA pilot is a two-pronged project, says Linda Haughey, CMS national manager, which should roll out on a wider scale in the 2008-09 season if this 2007-08 pilot is successful.

"In our pilot, a small number of reps and some scouts will be equipped with PDAs," says Linda. "Over the coming winter we will be developing software to allow us to electronically record pest and disease levels in the field using the PDA, rather than in paper format. This data will be sent straight from the paddock to Tracit, our centralised database, saving both travel and data entry time."

The faster flow of accurate data from the field will translate into faster reporting via current means for growers involved in the pilot.

"Claire and Woodhaven Gardens will be involved in the second prong of the pilot," continues Linda. "With selected reps equipped with PDAs, they will receive monitoring data electronically and we expect this much faster data transfer will suit large operators who want to respond quickly. The rep usually calls the growers with their spray recommendations, but now they'll have the ability to also send an electronic version, copied to Tracit.

"Also if the grower wants the information sent to third parties, like their contract sprayer, it saves the rep or grower having to contact them as we can do it for them with the press of a button.

"We're working on the software development now which we aim to have tested and trialled by July, and operating for a number of clients for next season," concludes Linda who is very much focussed on looking ahead at market trends to anticipate the new products and technology CMS will need to better service growers. ➤



Amongst a crop of red onions, Woodhaven Garden's production administrator Paul Coote (left) is pictured with Martin Higham, CMS coordinator for the region and Martin Wallace. All three are looking forward to seeing what gains in efficiency can be made with the Crop Monitoring Services PDA trial.



Manawatu's CMS coordinator Martin Higham inspects a leek crop for thrips. Plans to provide CMS scouts with PDAs will speed up the transfer of field data first to Fruitfed Supplies' centralised database system called Tracit and then onto growers for more immediate response to pest population levels.

EVENTS

HortNZ Conference 2007

1-2 August, Christchurch Convention Centre

With the theme 'Creating Value Together', Horticulture NZ aims for this year's conference to better last year's total attendance of 650 delegates.

Ron Gall from HortNZ advises two exceptional keynote speakers have been confirmed.

"First is Ray Cesca, the president and CEO of GAEA International, a consultancy specialising in global supply chain integration. Focusing primarily on the food and agriculture sectors, GAEA promotes the development of small-to-medium sized enterprises, helping them to compete successfully in international trade. Ray is also the former managing director of McDonald's World Trade," says Ron.

"And we're also delighted Joelene Brown will join us. A professional speaker and grain farmer alongside her husband Keith in Iowa, USA, Joelene uniquely understands the hearts, homes and business of agriculture and her messages are guaranteed to bring ideas to put into action. Joelene will be speaking on the 'Family in Horticulture'."

Registrations for this year's conference, again sponsored by Rabobank, will open soon and the fee is \$150 per day, including GST. For more information contact Ron Gall at ron.g@hortnz.co.nz ➤



American farmer and professional speaker Joelene Brown will bring a unique and humorous approach to the topic 'Family in Horticulture' as a keynote speaker at this year's HortNZ conference in August

Hit slugs before they hit your crop

Multiguard offers vigilant vegetable growers a new control option to protect winter crops from slugs and snails during April to June's key infestation period.

The cooler temperatures, moist soils and humid atmospheric conditions found during the autumn months create perfect conditions for slugs and snails to breed and cause havoc in vegetable and field crops.

But now Multiguard offers a major breakthrough for the control of these pests.

The active ingredient, iron EDTA, is commonly used as a food additive, in some medicines and a fertiliser trace element, but used as molluscicide, it's a revolutionary concept. Iron EDTA (ethylenediaminetetraacetic acid) passes through the stomach wall of slugs, snails and slaters, interrupting their oxygen transport system and causing death.

Formulated as a bran-based pellet, Multiguard has proved very attractive to slugs and snails, being eaten in preference to nearby plants. Quick acting, the molluscs stop eating and disappear – dead slugs and snails are seldom seen in the crop – either in the field or on the supermarket shelves!

Multiguard leaves no harmful pesticide residues on plants or in soil, breaking down to carbon monoxide, water and iron which can be utilised as a nutrient. Because of its specific mode of action, when used as directed, Multiguard will have no toxic effects on farm animals, domestic pets, earthworms, bees and other beneficial insects including the slug-predatory Caribid beetles.

Applications before a crop is transplanted or sown will optimise control and the lower use rate of 10kg/ha can be used. On established crops with

slug damage evident, a higher rate of 16kg/ha is necessary with application directed between the plants to ensure no granules land on foliage as leaf staining may occur.

Multiguard is now available from Fruitfed Supplies stores nationwide. ➔



MULTIGUARD® THE ENVIRONMENTALLY FRIENDLY MOLLUSCIDE

- Selective to slugs and snails, very safe to humans and pets and highly effective
- No harmful effects on beneficial insects, bees, earthworms or birds
- Quick action, unaffected by temperature and humidity
- Slugs and snails do not recover in wet conditions as they can with the current dehydration action type materials
- No soil residues, breakdown products are CO₂, water and combined Iron, used by plants as a nutrient source
- Cost effective



EVENTS



Romeo Bragato and Silver Secateurs head to Auckland

The 2007 Romeo Bragato Conference will be held at the Ellerslie Event Centre in Auckland's Greenlane on 23-25 August. More information will be posted on www.bragato.org.nz as details are confirmed by organisers.

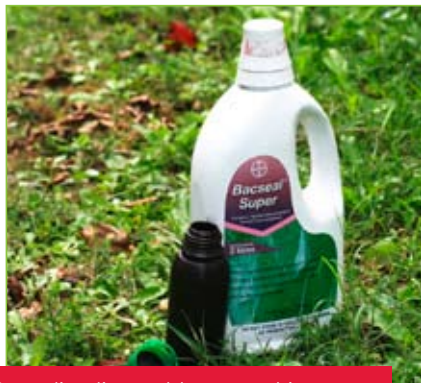


The national Silver Secateurs Grape Vine Pruning Competition has been run in conjunction with the Romeo Bragato conference since 1995. Supported by Fruitfed Supplies and Bahco (now known as SNA E) as major sponsors, the Silver Secateurs recognises that grapevine pruning is an integral management practice required for quality wines and regional competitions will soon be run to determine entrants for the finals at a yet-to-be-confirmed venue.

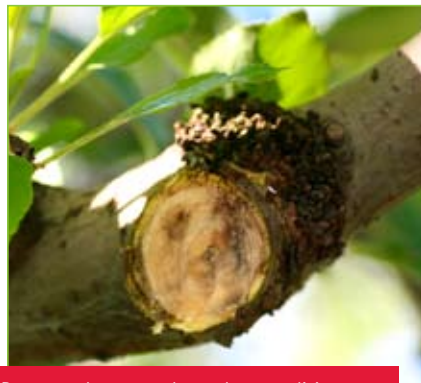
There are three separate events: individual pruning, individual tying and the teams' event. Talk with your local grape growing association to find out when your regional Silver Secateurs competition will be held. More details in *Facts* soon. ➔

Getting the best from Bacseal Super

The most widely recommended pruning wound protectants by Fruited Supplies personnel country-wide, Bacseal® Super from Bayer CropScience has many advantages over its competition.



Bacseal's 2-litre pack has a non-drip pourer to fill the easy-to-use applicator bottles.



Prune on dry sunny days when conditions are least favourable for fungi.



Apply Bacseal immediately after the cut is made. All cambium must be covered around edge of prune.



Ensure application is even, so cut wood can not be seen through product as demonstrated in this 'what not to do' photo.



Another example of 'what not to do' as the entire wound is not covered evenly.

ALSO REMEMBER:

- Wash all application equipment in water after use
- Store Bacseal in a warm place in winter
- Do not thin with water or seal integrity will be impaired

KEY BENEFITS OF BACSEAL SUPER:

- Outstanding seal integrity and cracking resistance, i.e. expands as the tree grows
- Superior protection against infection from silverleaf in pipfruit and summerfruit
- Excellent protection against European canker in pipfruit
- Superior callusing properties
- Widely used for grafting
- Excellent for wound dressing on ornamental trees

EVENTS

Inaugural Horticultural ICE expo

Innovation, celebration and education, the inaugural ICE expo takes place at the ENZA coolstores in Whakatu, Hawke's Bay on 18 July this year.



The brainchild of Leon Stallard, president of the Hawke's Bay Fruitgrowers' Association, the ICE expo also hosts the HBFA Young Horticulturist of the Year competition.

"I wanted a 'Mystery Creek' for horticulture, but without the 'mystery'," said Leon. "We will celebrate what we do and showcase innovation to both current and potential industry participants – this event is for all of horticulture."

Fruited Supplies has confirmed it will be involved as a key exhibitor at the event says Hastings branch manager Roger Pierce, who is also helping out on the organising committee. "We've had a great response from exhibitors. With over 50 covered trade sites, areas for marquees, an adjoining orchard for live displays and sections of the renown Hawke's Bay Farmers' Market showcasing some of Hawke's Bay finest foods and beverages, it's going to be a great day out!"

Talk with Lesley Wilson on 021 898 795 or lesley@talknz.co.nz for more details. ➡

AVOCADOS



Reminders for May:

- ✓ Remember to maintain a **fungicide cover** with copper products such as Kocide 2000LF. Although the rush to get three copper applications on fruit destined for export to Australia is now over, industry best practice still recommends eight fungicide applications per year for optimum fruit quality.
- ✓ **Greenhouse thrips** and **leafroller** continue to be an issue through April and into May. Greenhouse thrips populations, in particular, tend to increase rapidly in autumn, damaging fruit if they remain uncontrolled. Calypso is the product of choice for greenhouse thrips control.
- ✓ April/May is the correct timing for **leaf and soil sampling**. The resulting analysis provides an accurate indication of plant and soil nutrient status and is necessary to design the coming year's fertiliser programme. Please contact your local Fruitfed Supplies branch for details.

Avocados are susceptible to **frost**, so ensure adequate frost protection is in place, particularly on young trees and/or higher altitude or colder areas. Frost protection methods include options such as overhead watering, wind machine, frost covers on young trees (see photo) or application of low-biuret urea. For details on the best frost protection system to suit your situation, please contact your local Fruitfed Supplies representative.



Young avocado tree well insulated against frost

BRASSICAS



Aphid pests of brassicas are at their worst in autumn. Protect brassicas for the winter and early spring markets from aphids by applying Confidor the day before transplanting. Confidor is systemic and protects the whole plant from aphid attack for 4-6 weeks. Apply Chess or Pirimor to control infestations that establish in planted crops. Both are selective for aphids and have minimal effect on beneficial insects and other non-target organisms.



CITRUS



Reminders for May:

- ✓ **Greenhouse thrips** may continue to be an issue through May on late harvested citrus varieties. Continue monitoring to ensure any infestations are detected and contact your Fruitfed Supplies representative for control options if necessary.
- ✓ **Brown rot** may infect healthy fruit pre-harvest, especially if conditions are wet. Control with Kocide 2000 LF, Blue Shield or Dithane Rainshield.
- ✓ Consider application of **Perk Supa** in autumn to strengthen the plant and improve disease resistance. For further information, please contact your Fruitfed Supplies representative.

Scale crawler release may continue through May. If careful monitoring is carried out, control options such as Applaud 40SC, Diazinon 50W or DC Tron mineral oil may be applied most effectively as the crawlers are detected.



Brown soft scale

GRAPES



Reminders for May:

- ✓ Maintain a **tight fungicide cover** on late harvesting varieties, applying sprays in anticipation of wet weather events (observe PHI intervals and resistance management recommendations).
- ✓ Post-harvest applications of **copper** will help maintain leaf health through the post-harvest period and reduce disease carry-over into next season. Coppers are effective as a general fungicidal 'clean-up' after machine harvesting, when a large amount of damaged tissue and crop residue is present on vines.
- ✓ **Mulching**, after harvest, helps return organic matter to the soil. It also reduces potential disease carry-over by destroying disease over-wintering structures. The application of a product that promotes the breakdown of organic matter on the soil surface may help improve soil structure and enhance the release of nutrients into the soil to be used by the vines.

With grape harvesting now completed in many varieties, it's time to think about **post-harvest vine nutrition**. Early season growth of vines next spring will depend on the carbohydrates and nutrients stored within the woody parts of the vine. This is especially the case with vines grown on lighter soils. The period between harvest and leaf fall is therefore critical as it provides the best opportunity to give vines a nutritional head start for next season. Correct decisions at this time of the season will improve your vines' nutrient status and this, in turn, will help improve the set and quality of next season's crop. These decisions should be based on experience and verified by petiole and/or leaf samples taken during the season. Your local Fruitfed Supplies field representative is happy to assist you with product recommendations, timing and use rates as well as with all other matters concerning the post-harvest management of grapevines.



A vineyard in autumn

KIWIFRUIT



Reminders for May:

- ✓ Continue to monitor for **leafroller** up to harvest, as late season infestations (particularly of the black lyre leafroller) may cause

extensive damage in some blocks. Control with Delfin WG as required (NB. Two day pre-harvest interval).

- ✓ A key period where **nitrogen** is required by the vine is early season vegetative growth (canopy development) and flowering. However, due to cool soil temperatures and poor root function at this time, nitrogen is largely sourced from stores in the woody parts of the vine. Application of low-biuret urea (biuret content <0.4%) immediately after harvest is standard practice and gives an early opportunity to supply valuable nitrogen to the upper part of the plant, which is then stored for use the following season. For information how post-harvest nitrogen should best be applied in your situation, please contact your Fruitfed Supplies representative.

Assess crops prior to harvest to determine whether **stain removal** is required. Research by Fruitfed Supplies Technical team combined with growers' field experience over the past ten+ years has demonstrated the effectiveness of Kiwilustre for the removal of kiwifruit stains. For further information on fruit staining causes and remedies, contact your local Fruitfed Supplies field representative.



Fruit exhibiting water-staining prior to harvest

LETTUCE



Downy mildew (*Bremia lactucae*) and **powdery mildew** (*Erysiphe cichoracearum*) both make the most of any free moisture or high humidity to release fresh spores and initiate new infections. Both diseases are found on the older leaves first and should be identified before any control strategy is undertaken.

Two species of **sclerotinia** cause lettuce drop in many autumn and winter crops. Up to two doses of Prolific can be applied to lettuce crops for the control of sclerotinia, but growers should also use crop rotation, water management and cultivation to reduce disease pressure in a crop.

ONIONS



Wet weather in late summer and early autumn can create conditions favourable for *Botrytis allii* which causes **neck rot** and the **bacterial**



Onions drying in the field

soft rot pathogens *Pseudomonas* spp. and *Erwinia carotovora*. Bulbs can readily be infected through mechanical wounds or if the necks are still succulent at harvest. Control should focus on preventing infection through the neck and minimising wounds at harvest. Once in storage, low temperature and humidity and good ventilation will reduce disease development.

Consider onion seed requirements for next season and contact your Fruitfed Supplies representative to place orders.

PIPFruit



Reminders for May:

- ✓ If **European canker** is established in your orchard, the correctly timed applications of a suitable protectant fungicide, e.g. Euparen Multi, during the leaf fall period is vital.
- ✓ If your **boron** levels are low, the application of a post-harvest pre-leaf fall boron, e.g. Bortrac, application is the most effective timing to ensure adequate levels are present in spring.
- ✓ Leaf symptoms (reddish to purple in the mid-rib area) in the late summer are often the first indication of **phytophthora** being present in your orchard. From a cultural perspective, soil water management is vital, avoiding prolonged and periodic soil saturation or standing water around the base of the trees. The application of a suitable systemic fungicide, e.g. Aliette or Foli-R-Phos, is recommended at this time.
- ✓ The application of a post-harvest pre-leaf fall application of urea and/or Digester D is the most effective first step in the **reduction of black spot inoculum** in your orchard. For rates and optimum timing contact your Fruitfed Supplies representative.

Autumn is an important period for controlling problem **perennial weeds** and will reduce the bulk of weed surviving over the winter period. Correct application should provide a relatively weed-free strip through until spring. Contact your Fruitfed Supplies representative to discuss the most effective weed control programme for your orchard.

If crop monitoring has identified **European canker** in your orchard, it is vital to apply a protectant fungicide prior to any predicted rain events after the onset of leaf fall. Trees of all ages may be attacked. Infection most commonly occurs through leaf scars; the major period for infection is in autumn during leaf fall. Research conducted in California indicated that some leaf scars might remain susceptible to infection in excess of 10-28 days after leaf fall.

The protectant fungicide Euparen Multi from the sulphamide group has performed very well in both European research trials and also in our research studies. Timing is critical; the first application of Euparen Multi should be made at the onset of leaf fall then repeat applications if further rainfall is predicted during the leaf fall period. For further advice on the correct product, timing and rates discuss with your Fruitfed Supplies representative.



European canker, *Neonectria galligena*, on apple branch

POTATOES



Warm, dry weather, cracked moulds and exposed tubers increases the risk of tuber infestation by **potato tuber moth**. Monitor late season crops carefully so that insecticides are applied if they are required and when they have the most effect.

Avoid over-watering as spells of saturated soil can cause a number of physiological and/or disease problems in tubers, particularly if they go into storage.



Potato tuber moth damage to tuber

winter period. Correct application should provide a relatively weed-free strip through until spring. Contact your Fruitfed Supplies representative to discuss the most effective weed control programme for your orchard.

The autumn leaf fall period is critical for the control of **bacterial disease** in stonefruit.

Leaf scars remaining after leaf abscission provide ideal entry sites for blast and bacterial spot disease, when drops of water contaminated with bacteria are sucked into exposed vessels. Pruning wounds and other injuries can also serve as penetration sites.



Stonefruit blast *Pseudomonas syringae*

The key to satisfactory control of blast and bacterial spot is to keep bacterial populations low on plants at all times and to prevent opportunities for infections to establish. No resting stages are known in the lifecycle of blast, but the sites of bacterial activity alternate between branch cankers in winter and leaf spots in summer. The applications of copper, e.g. Fruitfed Copper Oxychloride, Kocide, during the post-harvest (pre-leaf fall) and leaf fall periods are vital to protect leaf scars from infection.

SUMMERFRUIT



Reminders for May:

- ✓ The application of **coppers** during the post-harvest (pre-leaf fall), leaf fall and complete leaf fall periods is vital to protect leaf scars from infection.
- ✓ Autumn is an important period for controlling problem **perennial weeds** and will reduce the bulk of weed surviving over the



Ken Jeffery – contributes for pipfruit and summerfruit.



Tim Herman – contributes for brassicas, onions, potatoes, squash and tomatoes.



Richard Bawden – contributes for avocados, citrus and kiwifruit.



Paul Hassan – contributes for grapes.

Agrichemical container recovery programme launched

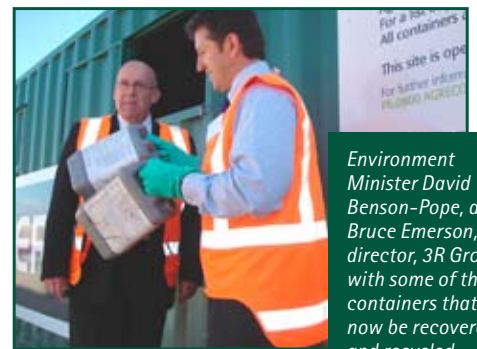
A nationwide initiative, called Agrecovery, to recover used plastic agricultural and horticultural chemical containers, was launched recently with 22 agrichemical container collection points operational nationwide. Another 50 sites are planned to come on stream over the coming months.

The participating brand owners (consisting of manufacturers and importers) sell more than eight million litres of agrichemicals per year. These agrichemicals are commonly packaged in 20 litre plastic containers and used by growers, farmers, foresters and many other primary industry users around New Zealand.

Hon. David Benson-Pope, Minister for the Environment, launched the initiative, saying: "Providing a sustainable solution to the long standing problem of used container disposal on farms is an important issue, both for your industry and for this government. For New Zealand to maintain

its 'clean-green' image, vital to our export sectors such as farming, we must adopt sustainable practices."

The Agrecovery Foundation is a not-for-profit charitable trust which owns and governs the Agrecovery programme, and able to develop the programme with the generous funding of farmer and grower groups, local government, agrichemical industry and central government. Participating brand owners, national collection sites and their operating days and times and an outline of how the Agrecovery programme operates can be found at www.agrecovery.co.nz. ➔



Environment Minister David Benson-Pope, and Bruce Emerson, director, 3R Group, with some of the containers that can now be recovered and recycled.

Minimising potential off-target impacts from kiwifruit sprays

Minimising potential off-target impacts from kiwifruit sprays

Kiwifruit Growers Incorporated (KGI) and Zespri are supporting a MAF Sustainable Farming Fund (SFF) project that aims to minimise any potential off-target impacts of kiwifruit spraying.



With two seasons still to run, work from the first two seasons of this project has focussed on reducing potential off-target losses of hydrogen cyanamide sprays – sold under the trade names Breaker, Gro-Chem HC 50, Hi-Cane, Hortcare Hi-Break, CYAN and TreestarT – while not compromising product efficacy.

The principal researchers in the kiwifruit SFF project are David Manktelow (Applied Research and Technologies Ltd), Robyn Gaskin (Plant Protection Chemistry NZ Ltd) and Bill May (Spray Tec Ltd). Bill and David are sprayer calibration and application specialists, while Robyn is a spray adjuvant specialist.

David says: "Hydrogen cyanamide is used as a dormancy breaker and thinning agent and is estimated to be worth something between \$80-200 million per year to the New Zealand kiwifruit industry. There are as yet no viable alternatives to hydrogen cyanamide, and the need to apply it to dormant vines means that is it used at the worst possible growth stage for potential off-target losses.

"Spray drift management legislation in Europe has driven widespread uptake of large droplet air induction (AI) nozzles for use in arable crop boom sprayers. The use of these drift-reducing nozzles in fruit crops is not as well understood and there are concerns that spray efficacy may be compromised as a result of uneven coverage from large spray droplets."

Laboratory and field trials over the past two seasons by this team have demonstrated the potential to hugely reduce potential off-target losses of hydrogen cyanamide without compromising efficacy. This can be achieved through a combination of:

- Using air induction nozzles appropriate for kiwifruit spraying;
- Use of a drift-reducing adjuvant that also assists in the spreading of large spray droplets on target canes;
- And, appropriate sprayer setup, especially with respect to air outputs.

Spraying experiments undertaken in August 2006 on commercial kiwifruit blocks confirmed that all of the AI nozzle + adjuvant + low air treatments performed at least as well as the industry standard hydrogen cyanamide controls.

David adds that there are still some important questions to answer, including under what conditions bud damage might be increased as a result of the low drift treatments. "Likewise, there is no data as yet on how well the low drift treatments work in gold kiwifruit."

He continues: "We aim to address these questions further in the 2007 spring. The results from this work are so positive that a drift management package for hydrogen cyanamide applications is being promoted to kiwifruit spray applicators for use in 2007."

Further refinement and optimisation of dormant vine application techniques and recommendations can be expected over the next two years, however in the 2007 season the emphasis of this three year project will shift to the optimisation of in-season spray applications to maximise efficacy while minimising off-target losses. ➡

SPRAY DRIFT WITH AND WITHOUT CANOPY

Results from spray trials in apples to assess the quantities of chemical that can leave the property are shown below, illustrating two very important points:

- 1) That spray losses are hugely reduced when there is a canopy (crop and/or effective shelter) present to collect the spray;
- 2) That losses will normally fall off exponentially with distance.



If the chemical applied had been hydrogen cyanamide we would have expected to see burning on sensitive crops out to 30m or more from the dormant downwind application, but would not have expected to see any sensitive crop burning much beyond 7.5m from an application to foliated canopy.

TABLE 1: Spray deposits on the ground measured at various distances downwind of an apple block following spray application to dormant trees or trees with full foliage¹

	Distance from the edge of the block (m)				
	7.5	15	30	90	180
<i>Deposits – expressed as % of applied dose/ha</i>					
Dormant	17.8	5.6	1.4	0.02	0.01
Full foliage	2	0.2	0.02	0.01	0.003

¹ Deposits expressed as a percentage of the chemical dose applied to the sprayed area.