



Autumn UPDATE 2007

Zeroln

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Zeroln

- To maintain dry matter
- Reduce fruit splitting
- Hold fruit size

ThermoMax

- 98% protection down to -2 C.
- Earlier harvest
- Cost efficient

Late in March we held a field day to promote our Zeroln product. The day was attended by a cross section of orchardists both local and out of town. Glen presented the research paper written by Gill Bacchus MSc. This was sent out with our last newsletter.

The sampling and testing was carried out by Agfirst and the trial data was supplied by HortiCentre Tauranga (previously VegGro supplies).

After fielding some questions from the floor we supplied all attendees with a sample of Zeroln and some morning tea.

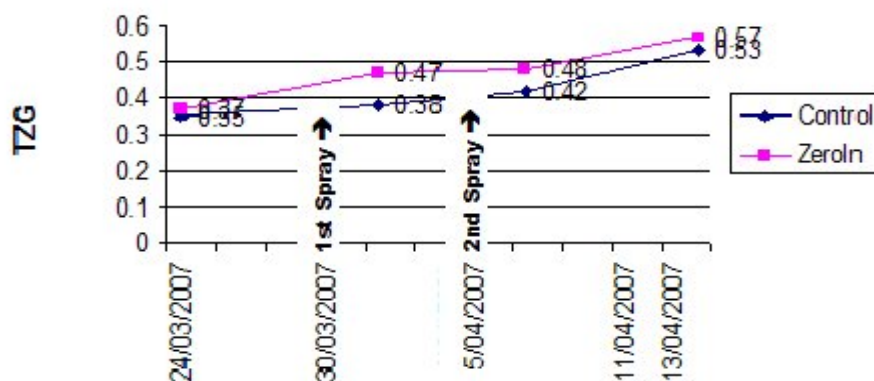
As a result of the questions asked at the field day we will be tracking the fruit through the pack houses, to assess the losses of the trial fruit in comparison to the control fruit. To date all Zeroln fruit has

Results from this seasons Zeroln applications are coming in and it is providing the results we have come to expect of it.

This seasons results are showing Zeroln works best when used before a rain event, the control crop appears to catch up to the Zeroln crop, after approximately three weeks.

Last seasons results were achieved during a period of continual rain, while this year we had a good rain event around March 30th, followed by a period of a few weeks of clear weather. This has allowed us to see how Zeroln works in this situation.

Zeroln - TZG - 4.07



Office Closure

The office of BdMax will be closed from

14th June 2007 until 9th July 2007.

Product will be available from our distributors and Glen will be contactable on his email bdmax@xtra.co.nz.

We apologise for any inconvenience this may cause.

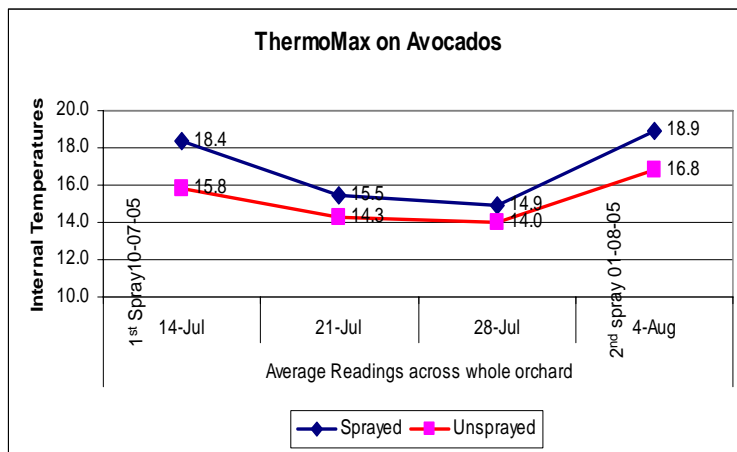
Harnessing biological
forces for
commercial outcomes

ThermoMax

An autumnal warmer and frost protection

ThermoMax

Last winters trials showed ThermoMax successfully increased the internal temperature of Avocados and kiwifruit it will perform the same way for other crops.



With autumn on our doorstep, and cooler weather and possible frosts about to arrive. An application of ThermoMax will give the crop an extra degree of protection, for three weeks or so. You can also expect slightly earlier maturity.

Applications of ThermoMax, the evening before a frost, have worked well in Spring. However with larger canopies on now it would be better to have applications on for a day or so before frosts if possible.

ThermoMax adds its benefits to all other frost protection methods.

Grower Comments

HB vineyard – Grapes

“A -2°C frost came when we had three inch shoots. The leaves burnt off but the shoots were fine. Regrowth was normal.”

HB Vineyard – Grapes

“A -2° frost caused some damage but the vines recovered quicker than would be expected normally. We still managed to get a crop off that block for the first time. Previous years have seen the crop lost due to frost.”

Whangarei - Avocado

“Very satisfied. Trees appeared to have denser flowering and a heavier fruit set than those of a similar age in another block that were not sprayed with ThermoMax.”

D.Crawford – Avocado “great results in frost protection trials to -3C. Our fruit set does not seem to be any different than any one else's. The early fruit set held but the later set dropped off.”

‘Sustain-Ability’ – Motueka

Andreas Welte

“Trials with ThermoMax during 2003 – 2005 in Marlborough, Canterbury and Central Otago have shown good results of frost protection of grape buds (Chardonnay, Pinot Noir) in temperatures down to -2 degrees. No tips were burnt, no buds were damaged

Etherics

ETHERICS 1000

Etherics 1000 is important to the continual well being of your plants. A blend of all the Biodynamic preparations 500 – 507 in one safe balanced invigorating spray for plants and soil.

Etherics 1000 is supplied free of charge with most BdMax products, it is to be applied 2-3days before every third spray at the rate of 250ml per hectare.

Remember to mention that
PhotoMax will increase the
photosynthesis of the plants

Glen's European Summer Tour



Glen is in Europe during June and early July, delivering two sessions of lectures to the European Biodynamic community. In early June he has been invited to give two weeks of lectures to the Emerson College Biodynamic degree students. The first week will be to the first year students, while the second week will be for the second year students. Both series of lectures will be specifically focused on helping the students understanding of Dr. Steiner's 'Agriculture' lectures.

The Emerson course is very practically oriented so Glens series of lectures represents the students most significant exposure to the Agriculture lectures, during their course.

Glen has made a copy of the 'Agriculture' lectures available on the Garuda BD website (see online books). He has also taken the very unusual step of writing a commentary on these lectures to help with their understanding.

In early July he will be presenting a three day seminar to the Spanish Biodynamic Association. Their topic of interest is the process Glen undertook in the development of his 'Biodynamic Chemistry'.

'Biodynamic Chemistry' is a book written to help with a deeper understanding of the periodic table of Chemical Elements. Glen began looking into chemistry as a natural development of studying soil science. In this process it became apparent that the 'normal' rectangular diagram of the Periodic Table is not a realistic representation of what the elements are. This rectangular diagram has to be continually changed in our minds to a spherical diagram, of a nucleus of protons and neutrons with spherical shells of electrons. So it seems sensible to redraw this diagram as a circle rather than a rectangle. From that point a whole journey of discovery unfolded, taking the next ten years, which has resulted in the publication of 'Biodynamic Chemistry'.

As this book is extremely specialised and full of colour diagrams, it made no sense to try and sell it in the normal manner. So it is available free of charge, on the Garuda BD website, in the books section. Please feel free to view it and print it off if you wish.

www.garudabd.org -Online Books

While in Europe Glen will be visiting the Hague Horse Chestnut project. This project is continuing in this season with our group Elementree being involved in three different government funded projects.

Last season showed very good results in a number of sites. The most obvious was our ability to keep green leaves on the trees six weeks longer than the control blocks. This was due in part to our controlling the spread of the mineer moth for this longer period.

A problem arose during last years program, with the cost and practical logistics of spraying a large number of very large trees, within the urban setting of Europe. The council did not wish to continue this manner of application. Therefore this year we are involved in one trial that will explore what happens when our products are added to compost that is then 'injected' into the ground around the trees in a series of holes.

A second series of trials will be carried out within a glasshouse setting, where smallish trees will be infected with the bacteria and then treated with our products.

A third project is continuing with the trees being sprayed with our products. This is being achieved by Elementree taking on the task of having their own spray unit.

A fourth aspect of the Hague project has been an education program that has been presented in many cities around Holland. Elementree have been holding these all last year, with many school groups attending. It is hoped that further government funding will be available for this to continue this year.

While in Europe Glen will be visiting commercial trials of our products in the UK. and taking steps to further our market development in Germany and the Southern European area.

European Connection

www.bdmax.co.nz