



**Glen Atkinson**

## **The Method**

**Homeopathic Biodynamic Preparations**

**And Circle Chemistry**

**Applied to Plant Growth**

## **The Foundation**

**Dr Rudolf Steiner's "Agriculture Course" 1924**

**ISBN 0 938 250 37 1**

**Dr Kolisko's "Agriculture for Tomorrow"**

**ISBN 0 906492 00 9**

## **The Research**

**Worked at Weleda NZ - Steiner Pharmacy 1976**

**Began researching Homeopathic Biodynamic Preparations in 1980**

**HortResearch trials in 2000 & 2001**

**Honorary Doctorate 2018**

# Biodynamic Preparations

500 – 507

**Cow Manure**

**Silica**

**Oak Bark**

**Valerian**

**Chamomile**

**Dandelion**

**Yarrow**

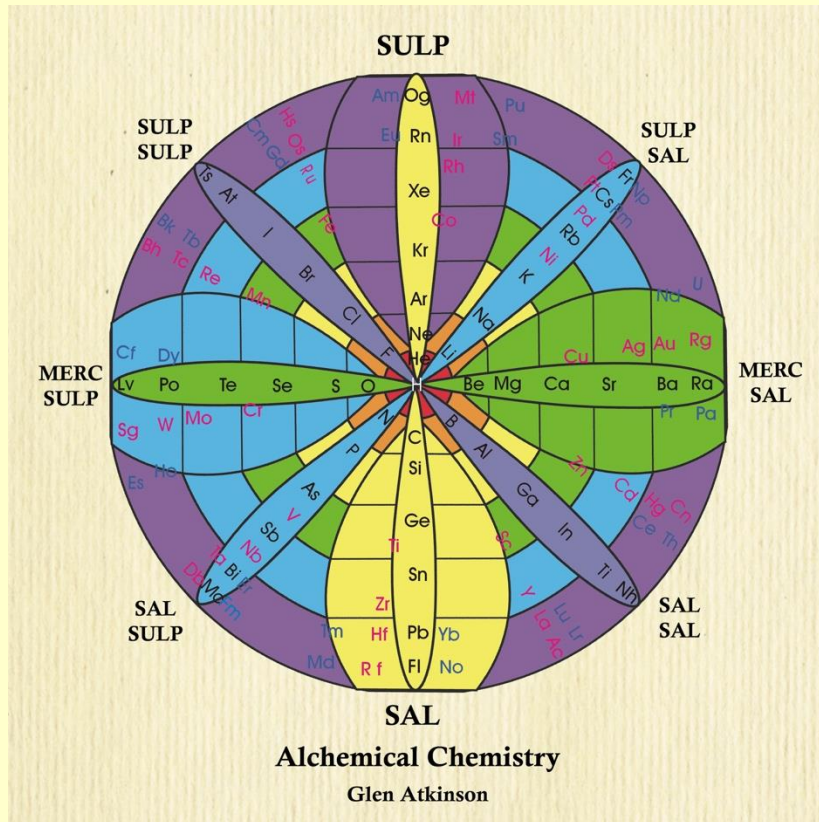
**Stinging Nettle**

# Homeopathic Dilution

**1 part to 9 parts water**

**Shaken 3 minutes**

**Repeat up to 30 times**



# Potentiation Graph

from E & L Kolisko

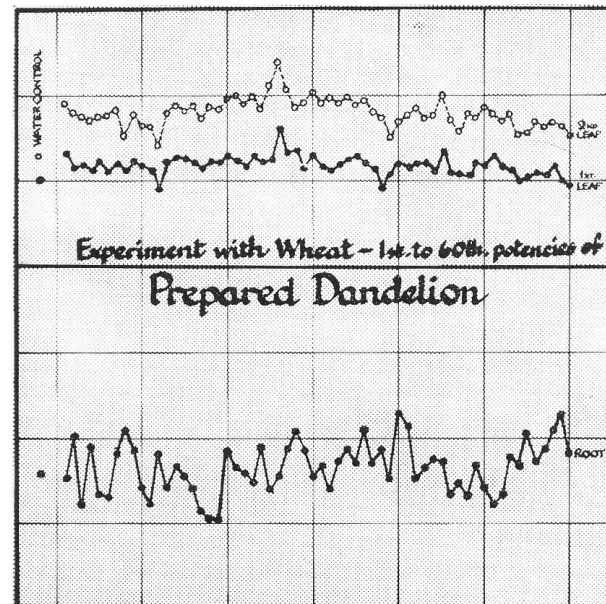
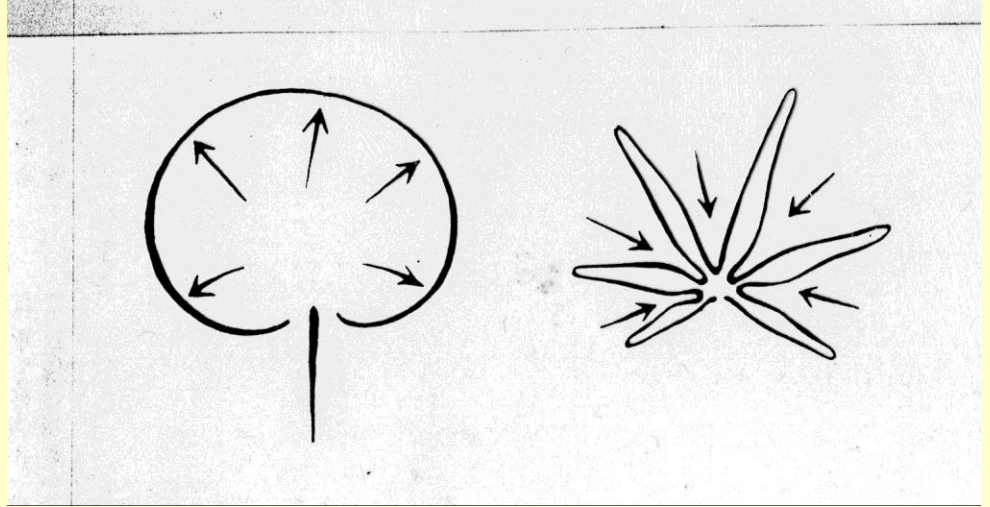


FIG. 198.—Wheat plants grown under the influence of 1st–60th potencies of prepared dandelion extract.



Earthly

Cosmic



## Flowering Spray on Kale 1999



This is a picture of three Kale plants - in January 1999 - all planted from the same punnet at the same time - August 1998. The front one was sprayed with 'Leaf Spray' while the one I am holding was sprayed with a 'BloomMax Spray'. The third - in the middle back- was initially sprayed with 'Leaf Spray' but had subsequently been sprayed with the 'BloomMax Spray' and can now be seen to be beginning to be going off to seed. The 'Leaf Spray plant' in the front did not go off to seed until the end of the second season. Another kale plant in another part of the garden which was sprayed with 'Leaf Spray' did not go off to seed at all and eventually died of exhaustion at the end of the third season.

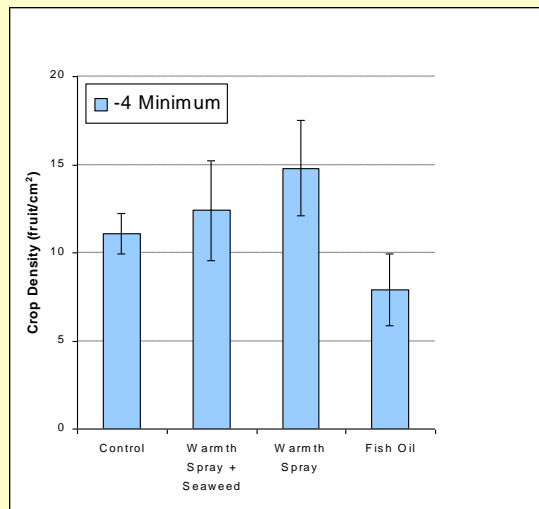
## NZCEL (Climate Lab) Study – Hort Research Hawkes Bay, New Zealand

Carried out by Steven McCartney/ Georgie Milne for OPGNZ (Hawke's Bay). Client report 10264

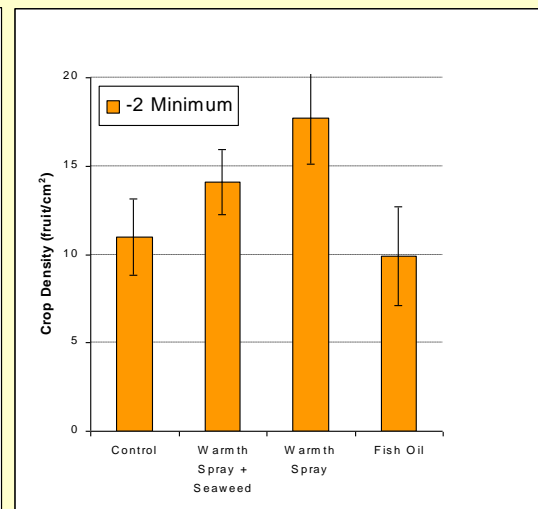
Effects of various sprays, applied 36 hours before a freezing event, on crop density of 'Royal Gala'/M9 apple trees.

Trees were in full bloom at the time of the frost.

@ -4 deg C 30% increase



@ -2 deg C 50% increase



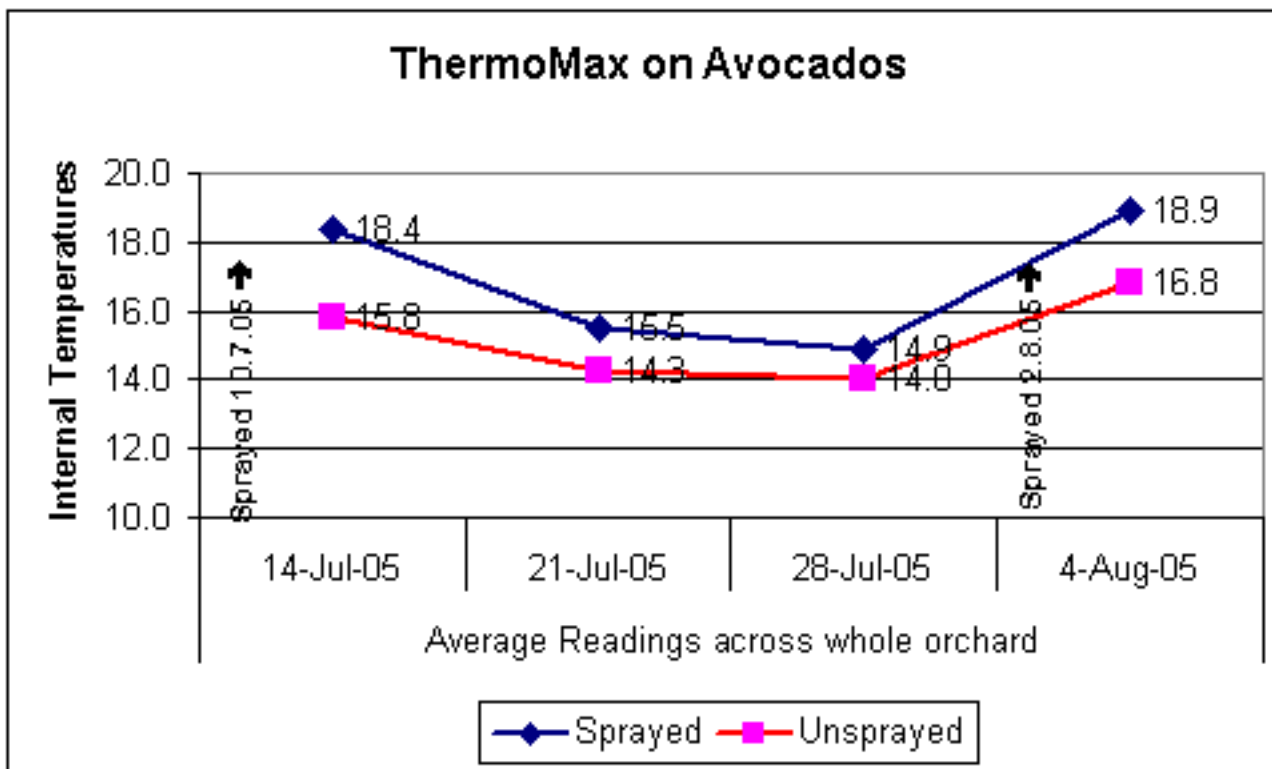
## Garuda Warmth Spray / ThermoMax Trials On Fruit Set



Andreas Welte, (MSc) the principal from grape consultancy company 'Sustainability' in Motueka reports "Trials with ThermoMax (F7) 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."



**After a  
-3C  
Frost**



Tamarillos  
after 20 frosts some  $-3C$



Enhanced flowering  
After  
ThermoMax



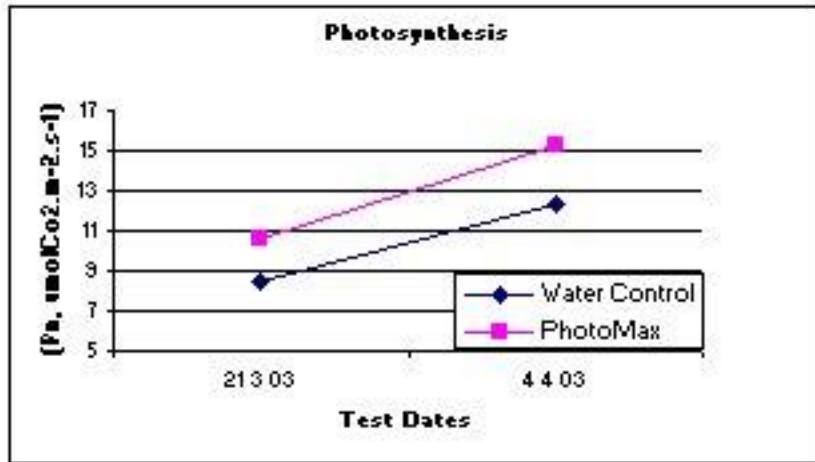
Passionfruit  
after 6 frosts



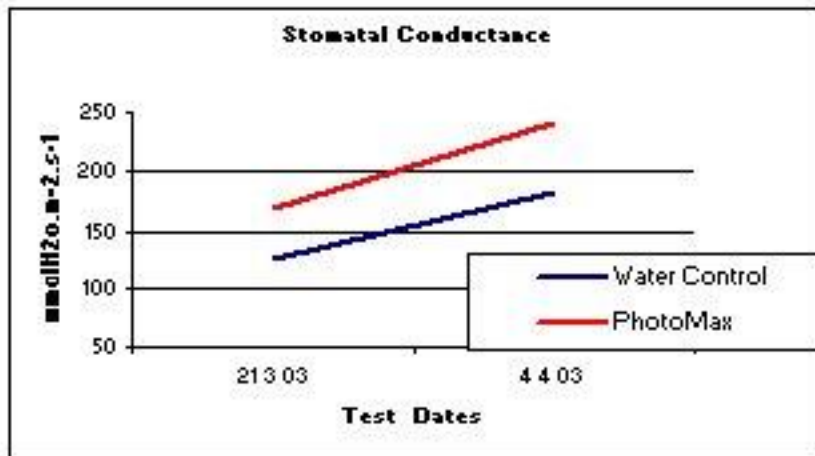


## Evaluation of Photosynthesis on Winegrapes

HortResearch Client report  
No 112355



20% increase in photosynthesis

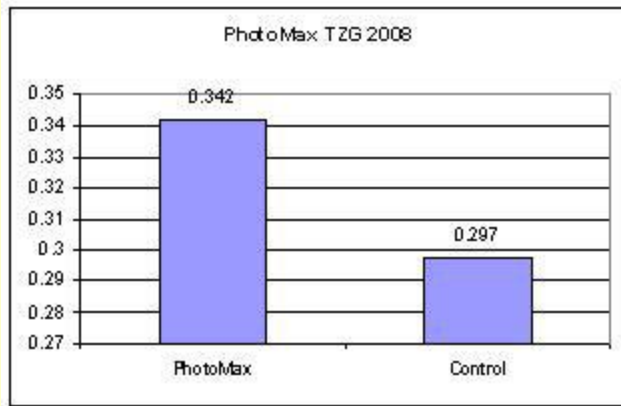


30% increase in  
Stomatal Conductance

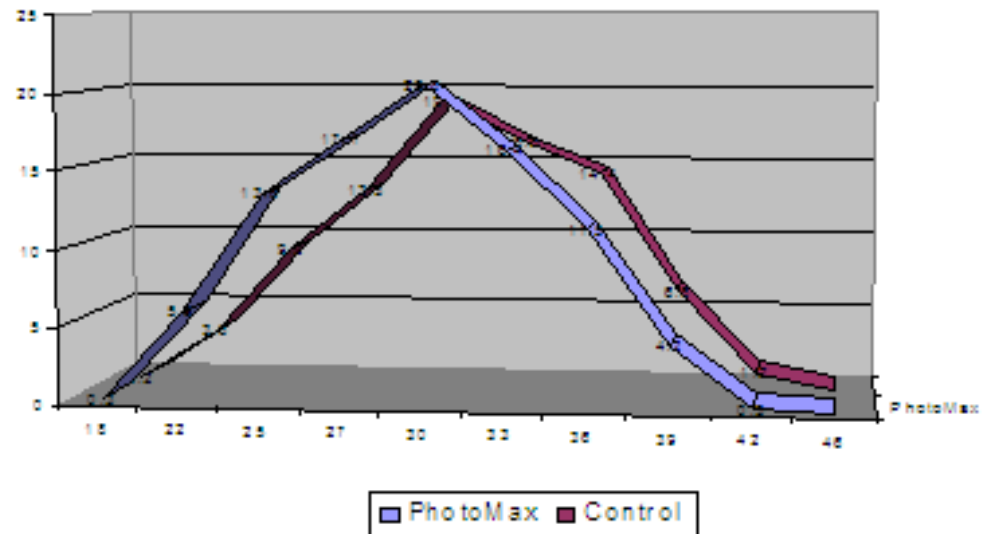
## PhotoMax

## 2007 – PhotoMax on kiwifruit

Total Pieces	Brix Avg	Brix Std	DM Average	DM Std	DMI	TZG	Comment
30	8.5	0.9	17.3	1.2	15	0.533	PhotoMax
30	7.9	0.8	15.4	1	13.4	0.235	Control



PhotoMax on Fruit Size



## 2006 – PhotoMax on kiwifruit

## FG4 – fungal rot control



**Two years ago we started using FG4 as a possible solution to the varicoses. In addition we applied Thermomax prior to and during the colder parts of the winter.**

**This year the fruit is almost completely clear of varicoses, by far the best fruit we have seen. In addition for the first time we have had no frost damage in spite of having two cold spells, one which lasted for 6 days with low temperatures of minus 3 to minus 6 every night.**

**Thanks so much for developing products that fill that gap between mineral and biological management, when all else failed**

**BD Max worked!**

**Steve Erickson – Chaos Springs**

We have a small home orchard with 4 10 year old peach trees and some smaller 3 year old trees

Each year we have had severe curly leaf and upon ripening the fruit have always got brown rot, so that we may have gotten a dozen edible fruit off each tree.

In August 2023, before budburst, Glen sprayed the trees with his FG4. A month later when the trees were bud bursting he sprayed again. When the leaves came there was no curly leaf on any of the trees. A few weeks later there was a small outbreak, especially on the tree with silverleaf, the others stayed 98% clean. With a 3<sup>rd</sup> spray at this time the infection stopped.

At harvest time the trees were laden with fruit, in spite of our thinning efforts.

The silverleaf tree ripened first, and no brown rot was present. The fruit shriveled before any rotting was evident. We were swamped with fruit. Interestingly any silverleaf that has appeared early on has dropped off, so you would not know the tree has silverleaf at this end of the season. The other trees are all ripening with good loads of fruit and brown rot is not a problem either on the tree or after picking.

If you would like to talk to us about our results please phone on NZ 021416971

Pete McLennan and Carina Chambers  
Maraetotora Hawkes Bay NZ. 7 March 2024

# When added to the slurry store these are the results our customers have had:



**"When it came to time to spread it [the slurry] we saw a lot less crusting and found that what crust there was broken up easier..."**

*"We have used E7 in our slurry store and noticed various results from using it. One of the first was a definite reduction in odour, then when it came to time to spread it we saw a lot less crusting and found that what crust there was broken up easier than we have previously been used too.*

*Once it had gone onto the pasture and the milk cows were allowed back on we noticed that they seemed to like the area treated with E7 as they ate the grass lower there than the rest of the ground they had access to. We also noticed how well the grass grew.*

*We have also put some onto ground now sown with winter wheat and are already seeing strong plant growth."*



**Nigel Potter – Dairy farmer,  
Yeavley, November 2007**

**"We have ... been aware of less odour both from the lagoon and as we spread the slurry onto the ground."**

*"Since using E7 we have noticed a reduction of crusting on the slurry lagoon of at least 50%. We have also been aware of less odour both from the lagoon and as we spread the slurry onto the ground. In addition to this we have noticed that the field we spread the treated slurry onto looks well even late into the season."*



**Chris & Ken Ede – Dairy farmers,  
Lower Tean, November 2007**

He is now harvesting the grass and making silage from it. He says it is a dense crop and is better than the field next door, which is not his, but he knows had fertiliser on as well as slurry whereas the E7 field had no fertiliser, the only additive was the treated slurry.

Both fields have been harvested by the same contractor His comments were "I use a haybob rowing in machine and usually put five rows into one before the forage harvester goes along.

In the E7 field I can only get four rows into one because the crop is heavier".



**Etherics 7**                      **Control**  
grown during the 2010 Chile drought



**Etherics 7**

**Untreated**



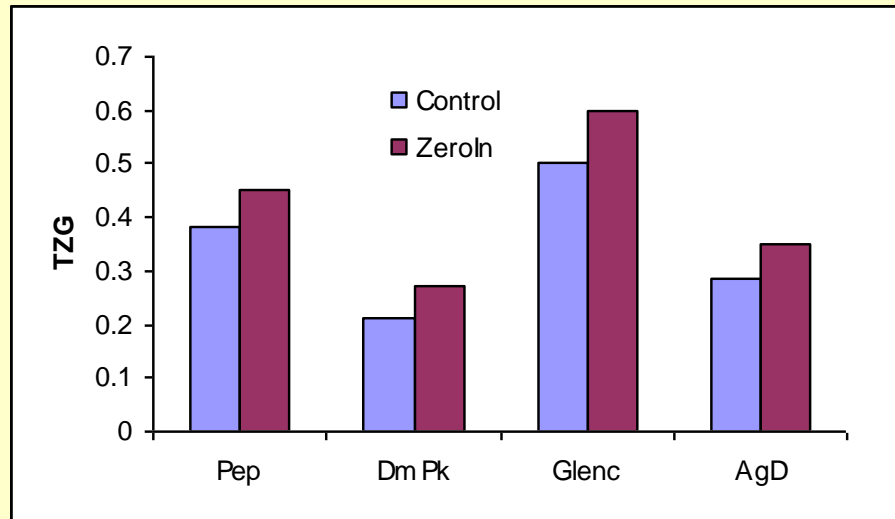
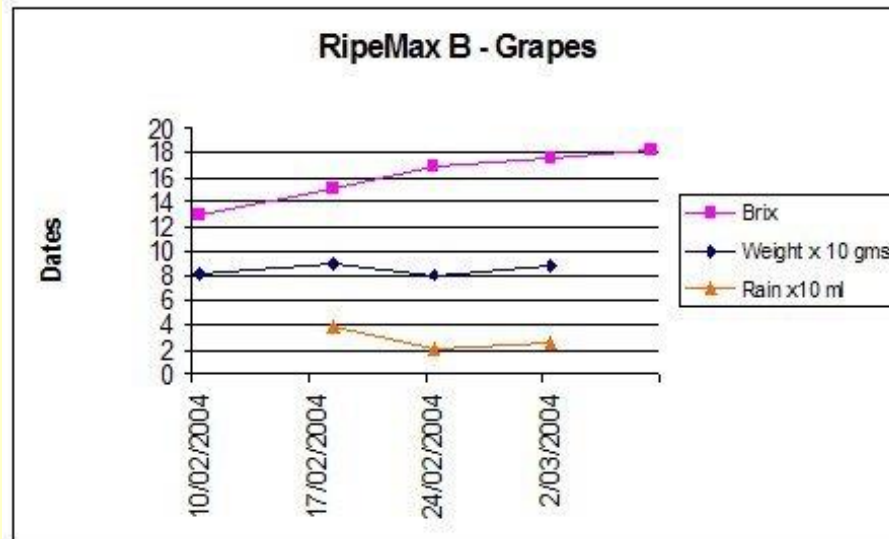


Figure 8. TZG of kiwifruit samples at maturity from control and Zeroln sprayed areas of 4 orchards

Average of 25% increase in payout to the grower



1  
2  
3  
4  
5  
6  
7



## Effects of BdMax Zeroln on dry matter percentage and variability in kiwifruit

Simon Budd (VegGro Supplies), Gill Bacchus MSc (Soil to Soul), Glen Atkinson, Dip Hort (Garuda BD Institute),  
application by the growers concerned.      2 x 1 ha with controls    2 in orchard rows with controls

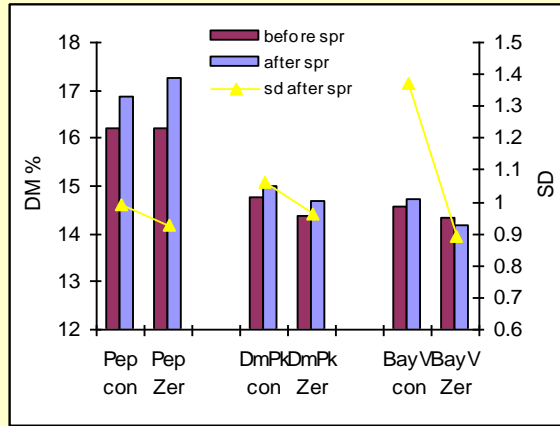


Figure 1. Mean DM % and SD of 90 fruit samples in control & trial blocks before & after spraying

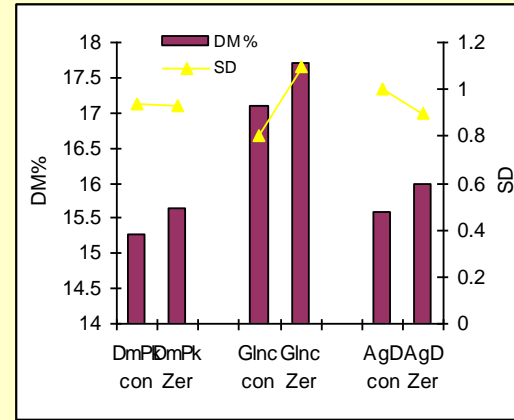


Figure 2. Mean DM% & SD of 90 fruit samples in control & trial blocks at harvest

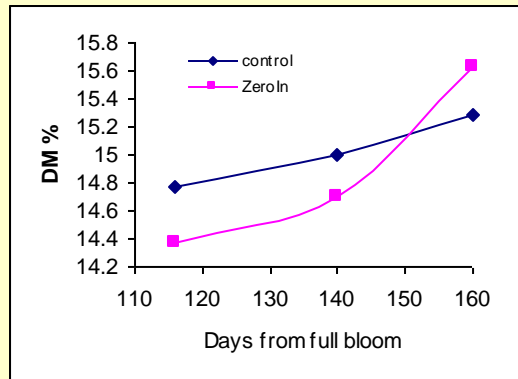


Figure 6. DM % at 3 sampling dates on control & Zeroln sprayed blocks, Dominion Park Orchard

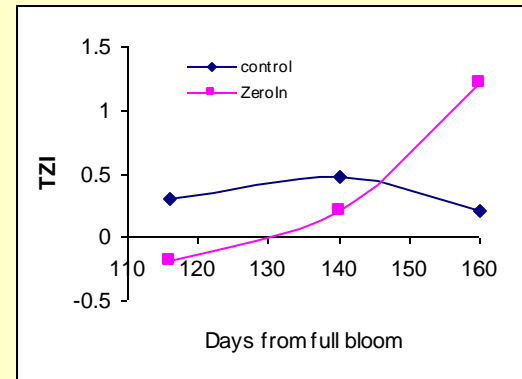


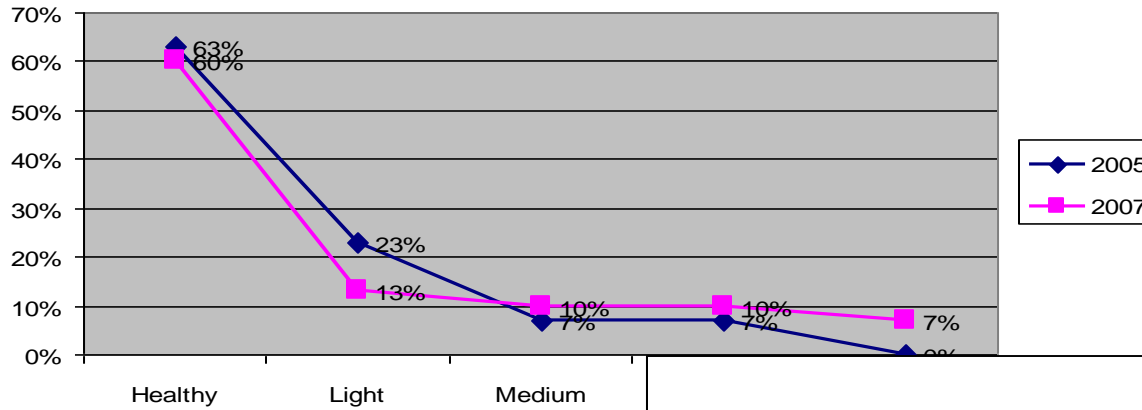
Figure 7. TZI at 3 sampling dates on control & Zeroln sprayed blocks, Dominion Park Orchard



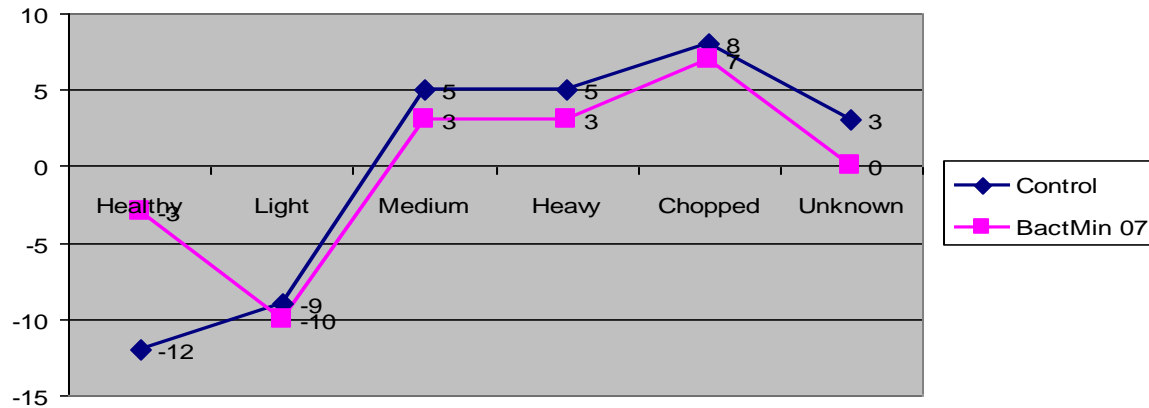


# 3 Year trial of BactMin on Horse Chestnuts The Hague

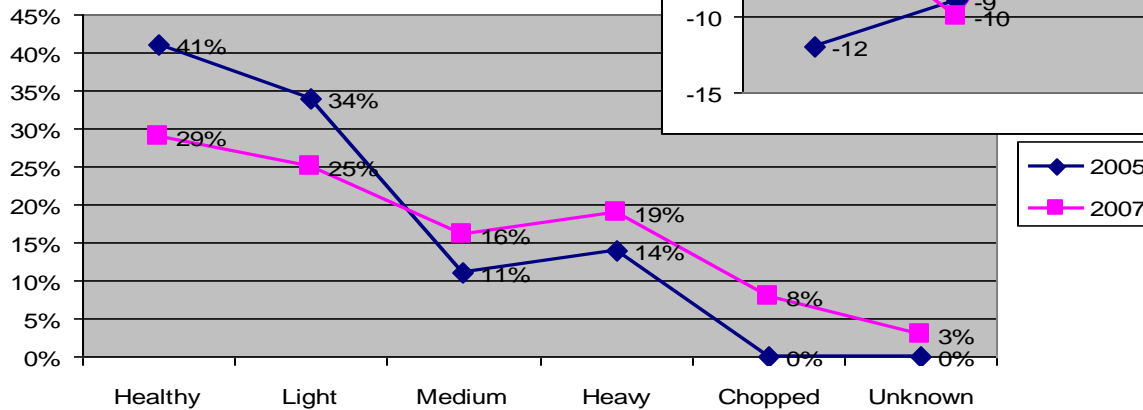
**BactMin**



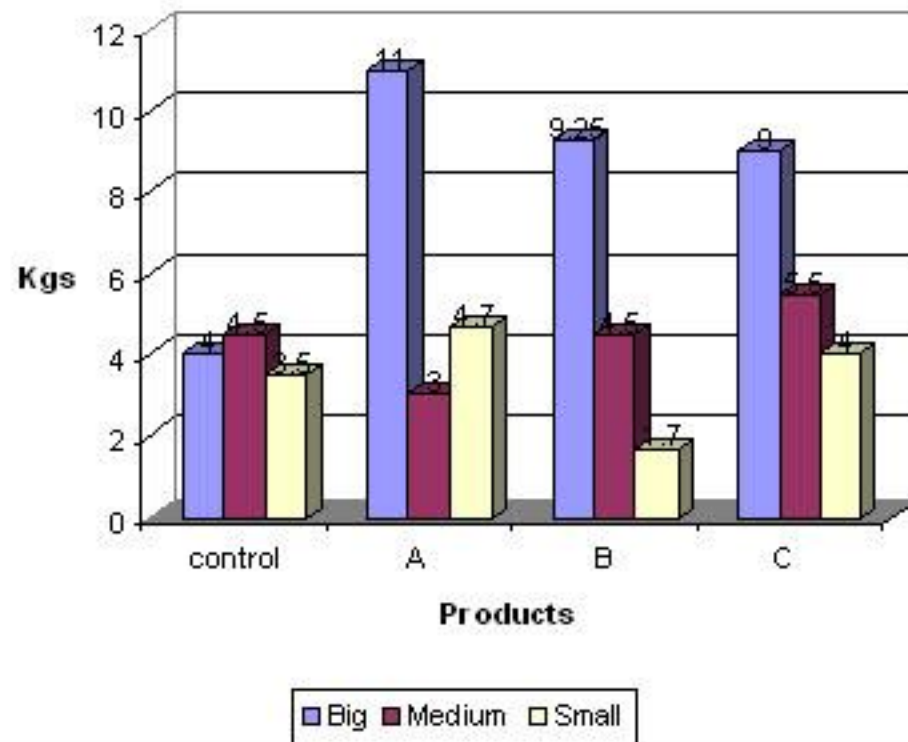
**Changes**

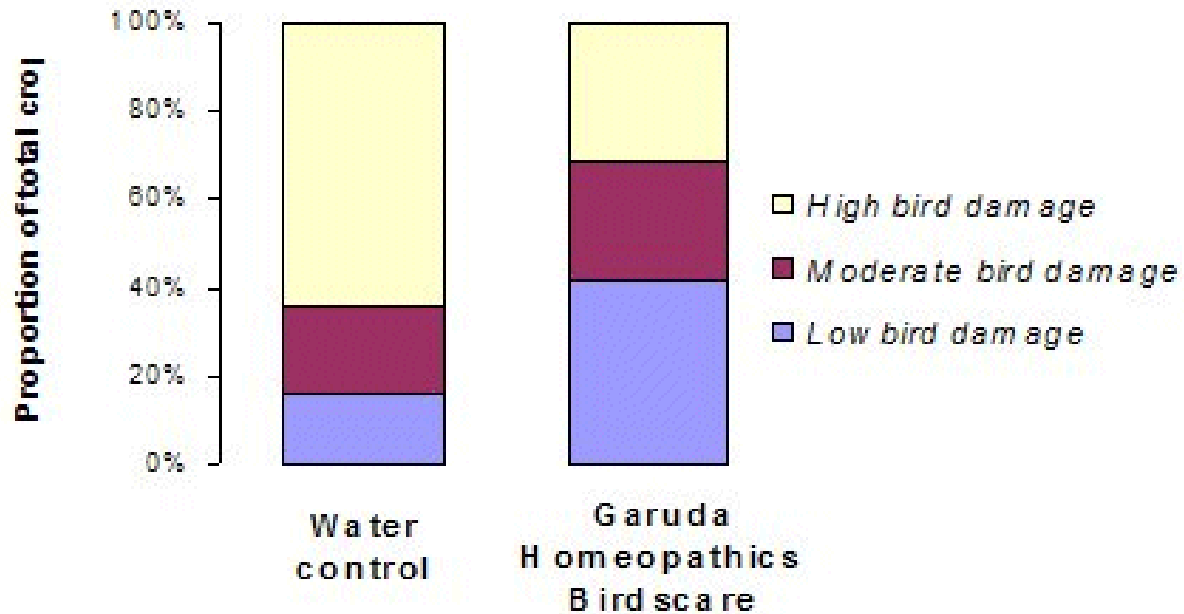


**Control**



### Potato Bacteria Trials





# **BirdScare on Grapes in Hawkes Bay**

“Evaluation of Bird Repellant Spray  
on Winegrapes”

HortResearch Client report No 112355



Beans before and after  
Rabbit BD Preps Spray



This is a picture (jan 03) of a broccoli plant recovering from a possum attack.

This plant was eaten off as a seedling in the punnet. It and the garden was sprayed with possum chase, It grew to deliver two 6inch heads—after two more sprayings. Six weeks after the last spray it was eaten off to the ribs of the plant as seen here An area of 50 sq mts was sprayed around the plant and this is 3 weeks or so later.

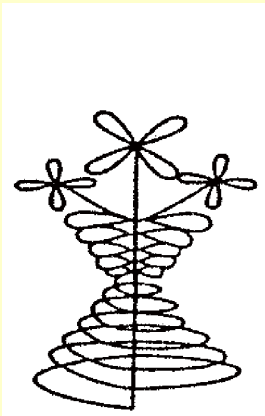


Before  
& After  
Possum  
Spray





## BdMax Biodynamics



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