

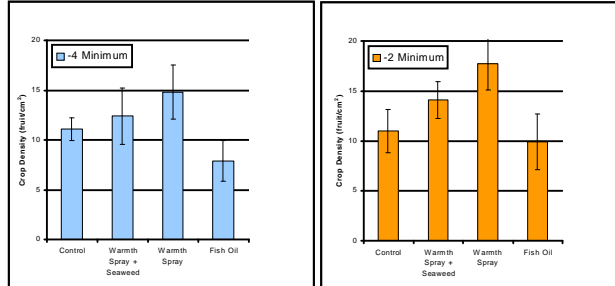
HortResearch tested ✓

FROST PROTECTION



ThermoMax

20% off June Purchases
10% off July Purchases



Fruit set increased on apples

@ -4 deg C 30% increase

@ -2 deg C 50% increase

(Warmth Spray = ThermoMax)

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

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

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.

Full report is available at www.bdmax.co.nz

These research has been supported by the field results of commercial growers during the 2003 frost seasons
Excellent protection to -2C and increased protection to -4C

Grapes, Apples, Peaches, Passionfruit, Tamarillos, Kiwifruit, Blueberries, Ferns & Citrus all benefited

Etherics 1000

The Biodynamic Balancer

We recommend that BdMax Etherics 1000 is used after every third application (3:1) of our specific sprays.

The BdMax products work with biological forces and processes, to naturally create changes, in plant growth and the environment. Each of these products, if used by themselves over a long period of time, will create an unbalanced plant, which in turn could effect the future growth of the crop.

Etherics 1000 is made from all the bio-dynamic herbal preparations. It acts to create a balance in plant growth processes. ThermoMax is like a shampoo that does a specific job, while **Etherics 1000** is the conditioner to balance the environment again.

Etherics 1000 has also been found to enhance the biological processes of the soil, organic fertilisers and composts, adding a deeper 'texture' to the environment. **Etherics 1000** can be used by itself on other parts of your property if desired.

Application

2 sprays 7 days apart, then at 2-3 weekly intervals as needed

applied @ 250mls /ha = 4ha /lt.

\$320 /lt = \$80 / ha. per application
(5lts -\$310/lt 20lt - \$300/lt)

Distributed by Veg-Gro Supplies
TCP, Skelton Ivory and Agri-Plus



All BdMax products are BioGro registered and ACVM exempt.

Give us a call on **0800 735859**

or our Bay of Plenty office
Ph (07) 573 5859 Fax (07) 573 5839
Email - bdmax@xtra.co.nz
Visit our website - www.bdmax.co.nz

What is it made from?

ThermoMax is manufactured from the very simple garden herbs Valerian, Dandelion and Chamomile. These herbs have gone through a composting process before being rhythmically diluted using homeopathic principles. They are then blended based upon extensive research carried out by the Garuda Biodynamic Institute of New Zealand.

Is it safe from residues?

As it is made from homeopathic biodynamic preparations the active ingredients are very dilute and so there is no possibility of any residues being present at harvest. ThermoMax has been approved by the ACUM as exempt from registration. It is also BioGro registered as a permitted unrestricted use input and is so safe to use on organic properties as well.

What form does it come in?

ThermoMax is an aqueous liquid and is packaged in plastic containers. No equipment clogging is possible.

How is it applied?

ThermoMax is applied at 250mls per hectare (100mls per acre) sprayed through any horticultural sprayer at the required amount of water for the sprayer to cover the desired area. It is suggested you use a minimum of 250 litres per hectare.

How densely does it need to be applied?

ThermoMax should be sprayed to 'wet'. It does not need to be sprayed to 'dripping'. However, if it is, it will not cause any harm

How often should it be sprayed?

This depends on the crop and the environment it is growing in. Generally ThermoMax can be sprayed throughout any periods the plant is vulnerable to frost damage. For some plants this is just during flowering for others such as sub tropicals, when they are young, mid winter frost can cause damage.

Generally spray twice seven days apart followed by applications three weeks apart during the vulnerable times. Top up applications just before a frost is a good idea. Spraying all through the winter will be fine on sensitive plants.

How long before the frost should ThermoMax be sprayed

The trials have been done on a 36 hours prior application, however growers have reported good results from spraying 12 hours or so before the frost event have produced good results. If applying just prior to a frost event, do so during daylight hours where some photosynthesis can occur prior to the frost.

We suggest doing the preliminary two applications 7 days apart as a setup for the season. Then application just prior to the frost will work better.

What effect will rain have on ThermoMax

Once ThermoMax has dried it will not 'wash off'. It then works with the plants natural processes to provide protection for up to three weeks. All new growth developed through this time will be protected.

How long do you have to spray prior to rain

Only a hour or so

How long do the sprays remain effective when the fruit/plants are being rained on continually?

2-3 weeks

Mixing Advice.

Dilute, mix and spray. The preparation of these sprays for application is straight forward. Fill your sprayer with the required amount of water you wish to spray. Pour the required number of mls while filling the sprayer. Allow the sprayer to circulate for a short time.

How long will it keep for?

ThermoMax will stay active for at least four years from manufacture if kept as described below.

Where should I store it?

Store ThermoMax in a cool dark place away from strong electric fields.

Mixing ThermoMax and Chemical Sprays

Not recommended. No trials have been carried out. ThermoMax is a organic substance and as such may be over powered by chemical poisons. They should not be mixed at any stage.

Mixing BDMax Sprays with organic liquid manures

This has generally provided good results, however the brand of liquid manure can effect results

What Water?

The best you have available. Rain water is best, followed by bore water and creek water followed by town supply.

What backup is there?

If you have any questions about the effect of ThermoMax contact your Veg Gro consultants or give BdMax a call on 0800 735859 and speak to one of our consultants .

Availability?

ICD Group (Veg Gro Supplies, Tasman Traders etc) are providing nationwide distribution points and sales consultants.

GROWER TESTIMONIALS

KIWIFRUIT

Te Puke

1 application @ 250mls per ha applied by orchard sprayer. We had 100% degree of control over the frosts (-1C) and experienced nil damage to the crop.

Te Puke

One application was used @ 250mls per ha with 800ltr/ha of water, with orchard sprayer. There was practically no damage to crop. Only a few males showed leaf burn.

Other Reports

The orchard floor was white and ice had formed on all the orchard supports but the leaves where warm. We experienced no damage. (2 applications before the frost) Orchardist -Te Puke

A very low orchard in Whakatane region reports using ThermoMax twice before the frosts. They sustained far less damage than other years and less than their higher neighbours.

Four Blocks – Sprinklers, ThermoMax, Fans and Control. Fans and Control the same while ThermoMax provided 80% control against the sprinklers which provided 100% control. Temp -1.5C - Tauranga area.

Good results have been generally reported, where two applications where applied, down to -2C. Lower temperatures showed increasing damage, in line with the HortResearch trial results.

TAMARILLOS

Pongakawa

Went through the 2003 winter with very little damage with temperatures to -3C. The June 2003 frost was to - 5C and caused the loss of all the leaves, with the trunks surviving well. Good regrowth occurred up to the October -3C frost. 4 applications of ThermoMax had been applied through the winter of 2003. The last 6 weeks prior to the October 2003 frost. Only slight top leaf damage (10%) was experienced in that frost.

FERNS

Levin

We used 3-4 applications only when frost threatened @ 1ml per litre. There was good control in the Autumn/Winter frost and better in the Spring Frost. I am very pleased with the results and will be using it again next year.

PASSIONFRUIT

We sprayed 5 applications two weeks apart @ 75 mls per 200 ltrs water. We had good results. There was a small amount of damage to the crop but we did start spraying late. There was a big improvement on the previous season.

MANDARINS

Gisborne

One application was used @ 250mls per ha by boom spraying. ThermoMax was applied in conjunction with foliar feeding our citrus. It was applied prior to frosts. We then had two consecutive days of light frost and there was no damage. Satisfied with results.

GRAPES

Hawkes Bay

One application of ThermoMax two weeks prior to the frost provided good protection against the first October frost. Down to -2C. A second spray was applied the day before the second frost and no further damage was experienced in the two frosts that followed Damaged first shoots survived well.

APPLES

Hawkes Bay

Very Satisfied with a better crop than first expected