

Global Warming's Cooling Off Period

By Paul Martin, Director, Rainbow & Brown

A respected scientific institute has released findings to show that trees are not entirely our big dopey green friends, quietly digesting the foul evidence of our environmental excesses while emitting only clean, life-giving oxygen. Instead, the earth's forests are revealed to be producing masses of methane, one of the worst of the "greenhouse" gases. I haven't read every page of the UN's Kyoto Protocols, but I think this news shakes the Kyoto foundations just a wee bit.

Predictably, Greenpeace was undeterred. Their spokesman reacted to the news that they were hopelessly wrong about trees by saying that this just made more urgent the need for all rich white guys to immediately stop driving cars and generating coal-fired electricity (or something like that; I am paraphrasing his remarks). The time to act, he said, is now! And the alternative is, of course, imminent and catastrophic global warming ... although he did not appear ready to consider that they might also be hopelessly wrong about that.

Remember the 1970s? Alas, I do. Embarrassing hair, awful music, and trouser legs flared like vast, pastel isosceles triangles. I also remember the dire predictions of that time from earnest earth science "experts" and new age whackos, warning us about the rapidly approaching New Ice Age. Imminent and catastrophic global *cooling* was being predicted in the 1970's, and the time to act was then! Presumably it was the fault of rich white guys, who were consequently urged to immediately start driving huge, stinking diesel trucks to the office and burning as much high-sulphur coal as possible in their power stations. Or on their lawn, if they didn't own a power station.

That was just 30 years ago. Yet the

same "evidence", gleaned from the earth's weather pattern statistics and careful studies of the entrails of chickens, now supports the *opposite* conclusion. Whoops, ... not cooling; it's warming! Catastrophic warming! And the time to act is now!

Of course, this flip-flop stuff is not entirely unprecedented: "*Butter is good for you ... No, wait, it's bad! And good. Good and bad. And don't you forget it!*" And just recently there were press reports from a credible source announcing that *white bread* was actually good for us, and especially good for kids. Huh?

A January 2006 conference in Sydney on climate change brought together Australia, the US, China, India, Japan and Korea. Naturally the greenies protested, claiming it was just a big-business conspiracy and talkfest. But unlike Kyoto, it did actually generate practical steps for industrial progress to continue while environmental impact is reduced. It also acknowledged the fact that pollution is a necessary cost of human development rather than an argument *against* human development. The only question is how much pollution, what kind, and how we manage it.

The point, of course, is that experts are not always right. And they appear most likely to be wrong when they are shrieking that disaster is imminent, and the time to act is now!

Actually, the evidence of global warming may be reasonably solid. What is a great deal less certain is exactly what causes it, and how long it might continue. All we know for sure is that it is the fault of rich white guys. And trees, of course.




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Control broadleaf and brush weeds in pasture, without grass damage.

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Doing business with Rainbow & Brown.

Triclo Herbicide

**Controls broadleaf and brush weeds
without pasture damage**

NEW!

Triclo is a new Rainbow & Brown product that contains 600g/L triclopyr as the active ingredient. That's the same active at the same strength as Grazon® and several other brands.

It's a selective herbicide. So it kills your target plants without killing the desirable grasses.

Triclo is most effective against the following brushweeds:

Blackberry, Broom, Gorse, Lupin, Tutus, Fennel, Sweet Brier and Old Mans Beard.

It's also effective against most broadleaf weeds in pasture, as well as hydrocotyle and creeping oxalis. Plus it will control kikuyu.

In practical, cost-effective terms, the best way to use Triclo is for spot spraying brush weeds in pasture without damaging surrounding grasses. So that makes it excellent for jobs like controlling seedlings and scattered re-growth the year after breaking in a block of gorse with non-selective herbicide (MSF600 for example). Clovers can be established the spring after application.

You can also use it for stump swabbing of many larger species.

Here's a few tips to get the best results with Triclo:

- Thorough spray coverage of all visible parts of the plant is essential.
- Always add 100ml/100L SprayWetter penetrant to the spray tank.

- Apply in the warmer months during good, active growing conditions.

- Spray bushes only where stems are less than 30mm in diameter.

For most common brush weeds use 10L/Ha, or up to 300ml/100L for spot spraying. For broadleaf weeds in pasture, use 2L/Ha or 20ml/100L. For full details see our website at www.rainbowbrown.co.nz

We are able to offer good savings against similar major existing brands at all sizes.

For example, the lowest current (Rotorua, Jan 2006) retail price of 5L of a well-known brand is \$320 incl GST. Our 5L pack is just \$240 incl GST and delivery!

That's a saving of \$80, or 25%!

Triclo is available now. Here's the prices, including GST and delivery:

5L...\$240 10L...\$410 20L...\$720

® Grazon is a trademark of Dow Agrosciences.



How to Compare Metsulfuron: 600g/kg active versus 200g/kg active

It's a regular question: can you compare the cost of Rainbow & Brown's MSF600 with another metsulfuron-methyl product like Answer®?

MSF600 contains 600g/kg of metsulfuron-methyl, whereas Answer® contains 200g/kg of the same active ingredient. So it's a 3 to 1 comparison. For example, for gorse use 500g/Ha MSF600 versus 1500g/Ha Answer®... this gives the same amount of the same active ingredient.

Here's a cost comparison on an equivalent amount of each product, based on January 2006 retail prices in Rotorua:

- 4.5kg pack of Product "A" plus 10L organosilicone \$1205.83 incl.

versus

- 1.5kg pack of MSF600 plus 10L organosilicone \$662.50 incl.

SAVE \$543.33

However, at the moment if you buy the above full pack of product "A", you can get an additional quarter pack for free, which is the same as a \$301.46 discount. So your saving with Rainbow & Brown is reduced to **\$241.87** Still not too bad!

On the other hand, if you want to spend your whole \$1205.83 with us, we'll actually give you 3kg of MSF600 and 20L of organosilicone, which is equivalent to *two* full packs of Product "A". That way you can spray twice the area for the same money!

® Answer® is a registered trademark of E.I. du Pont de Nemours and Company

Courier Deliveries

Some rural delivery contractors will not leave goods without a signature, so they leave a card to say they've called and you weren't home. If this happens to you, you can ask the RD contractor to give you an authority form to sign, authorising them to leave your goods without signature. If you don't know your RD contractor, contact us and we'll arrange for Courier Post to get the contractor in touch with you.



Glyphosate 360g/L

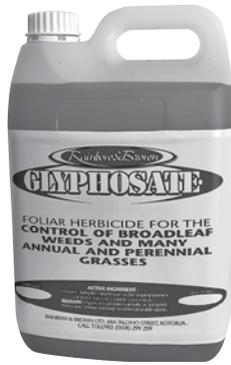
The traditional concentration of 360g/L continues to offer all the benefits that have made glyphosate the world's most popular herbicide.

It's safe to use, fast-acting, non-toxic and economical. There's no residual effect in the soil; you can drill new seed within two days and the stock withholding period is also just two days.

Use Glyphosate 360g/L at 1L per 100L for general hand spraying, or at 3-5L/Ha for most pasture spraying situations. We also recommend adding SprayWetter penetrant for maximum cost-effectiveness.

Prices, incl GST & delivery, are:

5L pack	\$60
10L pack.....	\$90
20L pack (ctn 4 x 5L)....	\$149
100L (5 x ctns).....	\$695
200L drum.....	\$1210



CropMate Cereal Herbicide

CropMate controls broadleaf weeds in wheat, barley and oats.

It contains 750g/kg chlorsulfuron in the form of a water dispersible granule.

CropMate is safe to use (non-toxic to humans and animals), and easy to handle and dissolve. It's also very economical, typically costing only \$5 per Ha on average.

The product controls more than 20 of the most common problem broadleaf weeds in crops. Full details are available on our website.

Apply 20g/Ha after the crop is at the 2 leaf stage, but before boot, and before the crop canopy closes. Always use with SprayWetter non-ionic wetter/penetrant for best results.

Prices, incl GST & delivery, are:

500g.....	\$143
1kg	\$275
2kg	\$250/kg
4kg	\$230/kg
5kg or more.....	call us



Glyphosate 450g/L

This high-strength formulation contains 450g/L of glyphosate. That's 25% more than the standard 360g/L product.

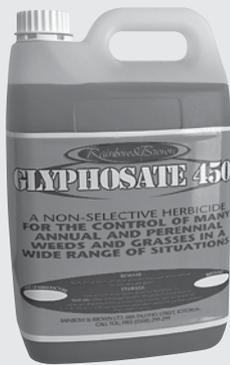
It does exactly the same job; it just goes 25% further. So a 20L pack of this product does the same area as 25L of the regular 360g/L product.

The benefit to you is that, because the 450g/L costs the same as the 360g/L to package and ship to you, we can sell it a bit cheaper per unit of active. So you save about 17% on average.

Use 800ml/100L for general hand spraying, or 2.4-4L/Ha for pasture spraying. Add SprayWetter to maximise performance.

Prices, incl GST & delivery, are:

5L pack	\$70
10L pack.....	\$105
20L pack (ctn 4 x 5L)...	\$175
100L (5 x ctns).....	\$795
200L drum.....	\$1395



SuperWetter

SuperWetter is an organosilicone-type wetter/penetrant, essential when spraying gorse and several other woody-stemmed brush weeds.

Added to the spray tank with herbicides, especially MSF600, it allows the spray to thoroughly penetrate into the stems and leaves of the target plant.

It also reduces the rain risk period, and boosts the performance of the herbicide, resulting in a more even and complete kill.

Consult the herbicide directions (available on the Rainbrow & Brown website) to confirm which species require the use of SuperWetter organosilicone wetter/penetrant. Note that if an organosilicone is NOT specified, then using the regular SprayWetter type instead will be more cost-effective.

Prices, incl GST & delivery, are:

2L.....	\$60
5L.....	\$125
20L	\$475



MSF600

This is the lowest-cost gorse and brushweed spray, especially now that we have been able to drop prices even further for this season.

MSF600 contains 600g/kg of metsulfuron-methyl, which is the No 1 choice for gorse & brushweeds. It's a water dispersible granule; safe to handle, easily soluble, non-toxic to humans and animals, and a proven performer in NZ over many years. Typical rates are:

Gorse.....Handgun 20g/100L – Aerial 500g/Ha
 MatagouriHandgun 25g/100L – Aerial 170g/Ha
 ManukaHandgun 30g/100L – Aerial 300g/Ha
 Blackberry.....Handgun 35g/100L – Aerial 300g/Ha
 BrackenHandgun 35g/100L – Aerial 170g/Ha
 Ragwort & Thistles...Handgun 5g/100L

Full application details are available on our website.

Prices, incl GST & delivery, are:

200g pack	\$85
500g pack.....	\$150
1kg	\$275
2kg	\$250/kg
4kg	\$225/kg
8kg	\$200/kg
12kg or more	call us



SprayWetter

SprayWetter is a non-ionic surfactant type wetter/penetrant for adding to your spray tank to maximise herbicide performance.

It assists penetration, especially into stressed or dusty plants.

It reduces the rain risk period, usually to less than an hour.

It improves herbicide performance, especially against the harder-to-kill species.

Use SprayWetter with virtually all herbicides, at 50-100ml/100L of spray, or 1-2L/Ha for boom/aerial spraying.

Prices, incl GST & delivery, are:

5L.....	\$55
10L.....	\$105
20L	\$200



The Back Page

• Rainbow & Brown

Rainbow & Brown Ltd is a NZ owned company. Our factory and office is in Rotorua. We're now in our 7th year of operation, and have been growing strongly every year. We have customers all over New Zealand, including farmers, horticulturalists, spray contractors, nurseries, commercial and private gardeners, and many other businesses. Our products are sold direct, with no retailers, agents or middlemen involved, which is why our prices are so attractive ... it is effectively the "wholesale" price, direct from the manufacturer.

• People

The directors of Rainbow & Brown are Paul & Chris Martin, who've both been involved in the NZ agricultural chemicals business for over 17 years. Both are actively involved in running and building the business. If you phone us, your most likely contact will be Rachael, our office manager. If you call in at the factory, you'll also meet Clinton, the factory manager. We're just a small family, but a happy one.

• Ordering

You can order anytime by phone, online at rainbowbrown.co.nz, or by fax, e-mail or by letter. If you call on the freephone number, you may at times get an answering machine. That means we're already on the phone, or doing something else. Or it may be after office hours (see below). Don't be alarmed; leave your name and number, and we'll soon call you back. Or if we've already got all your details, just leave your order (*with your name and phone number*) on the machine.

• Delivery

We send your order within 24 hours. Delivery will usually take between 1 and 4 days. If it hasn't arrived after that time, *call us* immediately so we can track it down for you. Delivery of orders of 60 litres or less will normally be to your door, including rural delivery addresses. However, delivery of larger orders will be to the nearby freight depot or drop-off point we will arrange with you when you place your order.

• Factory & Office Hours

If you want to collect your order from our Rotorua factory, you're welcome. It's at 68A Tallyho Street. Open hours are 8.30 to 4.30, Monday to Friday.

• Payment

We send your invoice by mail, the day we send your order, so you'll know when it was shipped. Payment is due on 20th following month, and you can send a cheque or use direct payment to a/c No: 123155-0066374-00. The bank account number is also on both your invoice and your statement. We send statements out in the first week of each month.

• Referrals

If you recommend our products to a friend, and they mention you when they first order from us, we will apply a \$10 discount to *your* next order for \$150 or more. Word-of-mouth recommendation is the best form of advertising, and we want to show our appreciation of your faith in us.

• Top 10 Predictions for 2006

10. Winston will keep checking his heel for whatever he thought was there.
9. Sarah Ulmer will win a gold medal in Melbourne.
8. England will not win the Football World Cup (that's soccer).
7. We will eventually get our Spray Marker Dye to work properly.
6. The NZ dollar will fall to below US62.5 cents.
5. The All Blacks' haka will become so complicated it will need subtitles.
4. Someone from the Royal family will do something absurd ... *more* absurd.
3. There will be a Bring Back Tana movement.
2. Osama bin Laden will continue to be deceased. Or near enough.
1. Boutros Boutros-Clark will herself begin to emit lethal greenhouse gases.



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