

## Meet the Neighbours

by Paul Martin, Director, Rainbow & Brown



Yes, these two jokers really are my neighbours. They and their gang live just across the river from my house. I live in Africa these days, right next to Kruger National Park.

Why? Well, it's part of a phased semi-retirement. I'll be turning 67 this year. Good Grief! How did that happen? I was 40-something just a couple of years ago.

Not that I'm really retiring. I can't afford it for one thing, and I don't want to, for another. I'll stay very active with Rainbow & Brown for as long as I remain more or less upright. I have some Kiwi partners now, working with me on the future development of the business. More on that in a moment.

Why Africa? Two reasons. First, I'm married to a South African. Second, I've had a lifelong fascination with the African bush and wildlife. We now have two small safari lodges in a wildlife conservancy at Kruger, so I finally got that wish.

Back to New Zealand. We're making plans to develop Rainbow & Brown in one or two additional directions, with new products and services. It's exciting, and you're getting a hint of one new path in that I'm blathering on about biological products in recent newsletters.

That's an area attracting much more serious and professional attention lately. New ways of achieving sustainable agricultural production aren't going to come from doing more of the same.

Nor will more of the same remain viable in the regulatory and commercial sense. An example would be food residue



regulations and consumer demands. Another, with more immediate implications in NZ, involves soil nitrate levels and nitrogen capping. And yet another factor is cost-effectiveness: untapped production resources that already exist, in the soil and the air, have to be accessed, efficiently used and wisely husbanded. This is the smarter, healthier, more sustainable way, and also has the promise of being the most economical, reducing both production and animal health costs.

A more pressing problem for me is that most South Africans think I'm a Kiwi (actually I'm Australian, originally) so they harangue me about rugby and how the All Blacks dominance is unfair. They appear to hold me personally responsible for it, and for the Springboks decline. I try to explain, to excuse myself from culpability, but I get nowhere. Who ever managed to successfully explain anything, even with tiny little words, to a 130kg Springboks supporter? Nobody, that's who. Least of all an aging Aussie cast-off with a Kiwi connection, who isn't even very interested in rugby anyway.

Anyway, there we are. I'm a refugee, again. But here's a secret, just between you and me. New Zealand still feels more like 'home' to me than does Aussie. I suspect that it will remain so. Mate.

Rainbow & Brown will become more, and offer more, over the next few years. From my point of view we have plenty to look forward to together, eh?

*P.S. If you're curious about what I'm up to in Africa, check [www.birdsongafricalodge.com](http://www.birdsongafricalodge.com)*

### IN THIS ISSUE:

- **GLYPHOSATE PRICES**  
Rising soon!
- **GA200**  
for vineyard & orchard weeds
- **MSF600 & GORSE**
- **SEAWEED EXTRACT**
- **WEED FILES**  
Willow Herb  
Alligator Weed
- **FULL PRODUCT LIST**  
Sizes & Prices

# GA200 for orchards & vineyards: Why?

GA200 is a non-selective herbicide like glyphosate, but with very limited systemic movement through the target plant. So it affects only the parts of plants that are directly hit by the spray. That means you must ensure that target plants are *completely* sprayed. But there's a big advantage: a bit of unintended contact via overspray onto a non-target plant is not going to kill it.

By contrast, glyphosate is readily translocated through plants, so incidental contact with even a small part of a non-target plant can still easily kill it.

GA200, in addition to controlling more than 60 species of common weeds including virtually all the species found in orchards and vineyards, also kills clovers.

Glyphosate is weak against clovers.

GA200 is also fast acting. Visual effects on treated plants can appear as soon as just three days after spraying, in ideal growing conditions.

There are three pack sizes, prices include GST and delivery:

**5L...\$195.50    10L...\$335.00    20L...\$598.00**



## Glyphosate Prices On The Move Again

*This is just a heads-up.*

Glyphosate prices will rise, probably fairly sharply, during this calendar year. Not just our brands; everybody's brands. And it'll likely be soon.

Almost all the world's glyphosate acid (that's the technical concentrate used to make usable various forms of glyphosate herbicides) is made in China. And the producers there are constantly having to juggle with all sorts of commercial and Governmental issues that affect the cost of making the stuff.

It's happening again right now. This time it's because production of a couple of substances used to make glyphosate acid has been curtailed, partly because of some new Chinese regulations (essentially, too much industry in certain overly-concentrated areas), and partly because of sustained bad weather conditions in one of the Northern provinces where these strategic substances are made.

There's no way to predict how long and how severe the supply-pinch might last. Certainly the Chinese themselves don't know. And even when they do know, they aren't always entirely candid about it anyway.

At the moment, we're OK at Rainbow & Brown. But not for much longer. There's every sign that we'll be forced to increase the Glyphosate and Granny prices soon. Sorry about that!

On the other hand, it still won't reach the price it was 15 years ago, nor 25 years ago. Not many things you can say that about.



# Latest in Organics

*A couple of newsletters back, we mentioned that we were interested in doing some farm trials on a new biofertiliser technology.*



It involved the application of a mix of beneficial micro-organisms to the soil, to boost biological activity, leading to better soil health, and higher production yields, while at the same time reducing the need for inorganic mineral fertilisers, with their resultant problem of excessive nitrates and mineral salts in the soil.

We asked for expressions of interest in doing trials and several customers were keen. However, we have since been overtaken by events. But overtaken in a good way!

As we got further into beginning to understand the technology, we learned about soil conditioning through humates (concentrated organic substances responsible for one essential step in the natural decomposition and recycling of plant and animal derived organic matter in the soil).

This has led us down a new and very promising path. We've been invited to observe and participate in some NZ-based trials that have so far produced spectacular results in agricultural & pastoral production.

The essence of it is that concentrated humate material is being used in conjunction with certain live microorganisms, as a biological soil husbandry and organic activity stimulant. And it's working. Actually merely 'working' looks to be a bit of an understatement!

So we'll have much more on this soon. Yes, we had to change paths a wee bit, but if recent developments continue as they have to date, we should be in a position to announce a couple of very exciting new products about mid-2017.

Thank you to those R&B customers who had previously expressed interest in trials. We may have changed our intended direction but we won't forget you when we have our proposed new product(s) finally sorted, proven and ready for release. You'll be getting an exclusive opening special offer!

## DICAMBA?

We are thinking of introducing a new product containing the active ingredient dicamba.

That's an active that's used to control certain broadleaf weeds that aren't killed well by 2,4-D and MCPA. You can use it in pasture, conservation tillage programs, cereals, maize and some of the forage brassicas.

Dicamba can be used alone, or used in combination with 2,4-D or MCPA to extend their kill spectrum and to boost the kill of species that are not highly susceptible to those herbicides.

So here's a question for you:

• ***Do you use dicamba? When? How much? What for?***

Hmmm ... that's actually several questions. But at least they're short ones!

*We'd really appreciate your comments and experience regarding dicamba. Call Rachael on 0508 299 299, or email her at [rachael@rainbowbrown.co.nz](mailto:rachael@rainbowbrown.co.nz)*

Thank you.



# MSF600 and Gorse Control

*MSF600 (metsulfuron-methyl) is NZ's favourite and most proven chemical for controlling gorse, especially heaps of big gorse.*

It has a couple of quirks that are the key to understanding why it works like it does.

MSF600 suppresses production in the plant of an enzyme called acetolactate synthase (ALS). That enzyme is required to support new growth, both in the roots and the foliage. Without ALS, no new growth is possible.



Most plants can tolerate not being able to produce new growth for a while, but eventually they must have some new growth to survive, otherwise they die. That's why it takes a long time for some species to die. Gorse is a tough one; it can manage without new growth for several months.

So you can spray it with MSF600, and for some weeks you may notice no effect visible. And you wonder ... is this stuff doing any good? Then, when the gorse finally surrenders, it starts to go yellow-brown at the tips, and its demise progresses from there to full desiccation and it eventually falls to bits. Dead.

Close observers, however, may notice that from very soon after being sprayed, an otherwise healthy-looking gorse plant is not producing any new flowers or new soft growth.

MSF600 is inexpensive, very safe to handle, store, dispense and apply, and while it's slow, it's highly reliable.

We have a couple of good package deals on MSF600 for gorse, and they make it cheaper still.

1. For smaller jobs - 'Gorse Enforcer':

• **2kg bag of MSF600 herbicide plus 10L of SuperWetter \$345.00 (save \$87.40)**

2. For bigger air spray jobs - 'Gorse Big Deal':

• **10kg carton of MSF600 plus 40L AirWet LF penetrant \$1440.95 (save \$100)**

# Seaweed Extract Powder

This new product was a low-key launch in October 2016. We didn't make much of a song-and-dance about it, but we knew there were already quite a few fans among our customers for seaweed extract based soil conditioners. And so it has proven: it's been selling well and getting excellent reviews from users.

Seaweed extract is suitable for all crops including pasture. It's an excellent bioactivator, stimulating all the microbes in the soil and helping to break down organic matter and make it more available to the plants.

Seaweed extract carries more than 80 kinds of minerals that are beneficial to plant health. It is also rich in micro-elements, carbohydrates, vitamins, amino acids and naturally occurring plant growth promoters.

There are many different types of seaweed available but the very best seaweed for plant health is *Ascophyllum nodosum*. And that's what we have, harvested from the cold waters off Chile.

This seaweed extract powder is 100% soluble, so it is easily sprayed on and readily absorbed by the plant, which stimulates root growth and results in remarkable growth effects.

For pasture use the rate is 300-500g per hectare applied 2-4 times a year. You can boom spray or rosette spray, or use a handgun.

## • 5kg (5 x 1kg ziplock bags) ... \$115 incl GST

*One particularly intriguing bit of feedback was from a R&B customer who applied Seaweed Extract Powder together with his Gibber 900 growth promoter. He said he was super-impressed. Seems the combination of the two products produced even better pasture growth than he'd previously got from applying Gibber 900 alone.*



# Credence 1000 water treatment tablets

This new product, which we introduced in late 2016, has been very well received by the R&B customers who have tried it.

It's a formulation of stabilized chlorine that comes in an effervescent tablet form. Easy and safe to handle and use, and very good indeed for purifying drinking water as well as farm equipment cleaning and sanitation.

We have a lot of technical data about the proven efficacy of Credence 1000: it was published in our last newsletter, but if you have already used that to line the budgie cage, give Rachael a call on 0508 299 299 toll-free, and we will send you the details, including trials results from Massey, and recommended dose rates for various applications for both home and farm situations.

It's a brilliant product: the most user-friendly and cost-effective form of chlorine.

## • Tub of 60 x tablets ... \$110 incl GST & delivery



**WEED FILE:**

**WILLOW HERB**



Tall willow herb  
Creeping willow herb



Tall willow herb : *Epilobium ciliatum*

Creeping willow herb : *Epilobium nummulariifolium*

**DESCRIPTION**

These are two closely-related weed species. The creeping kind is a NZ native, and is unusual among native plant species in that it has become a serious weed, including in orchards and vineyards. The tall kind is, unsurprisingly, taller than the creeping kind, and is not a native; it's originally from North America.

Both species are perennials. Neither of these willow herb species is related to the similarly-named willow weed *Persicaria maculosa*, which is the subject of a separate Rainbow & Brown Weed File.

Tall willow herb is an erect weed, growing from a rosette. It can be up to 2 metres tall, but more usually half that height. Flowers grow singly atop the erect leafy stems, are about 1cm in diameter, four-petalled, and pink to purple. The erect stems are hollow and quite thick, and reddish in colour. Leaves are long (9cm), slender (3cm), and very dark green. The root system is fibrous and spreading.

Creeping willow herb is a sprawling creeper, rarely taller than 12-15cm, but growing in dense patches to a metre or so in diameter. It's a very common garden weed in NZ. Flowers are white and very small, appearing from spring to autumn. Leaves are nearly circular, a bit over 1cm in diameter, and a flat green colour with dark red to purple edges. The creeping stems are a pale purple colour, and readily take root at the nodes, enabling the creeping-and-spreading habit of the species. Root system is weak and fibrous.

Both species have long (4-8cm) seed pod capsules that split when mature to release many small seeds.

Distribution is pretty much NZ-wide. Both species prefer damp conditions, including gardens, drains and the edges of waterways, roadsides and cultivated or bare land (hence their enthusiastic appearance in orchards and vineyards).

**MANUAL CONTROL**

It's fairly easy to pull out isolated specimens and smaller patches by hand, which should be done before seed capsules mature and split. All material must be removed from the site to minimise regrowth from viable root or stem fragments.

Both species are unlikely to establish successfully if the site is well covered with pasture species or other good ground cover. It's normally only in bare or cultivated sites where these species are able to flourish.

**HERBICIDE CONTROL**

These species are relatively tolerant of glyphosate. It will kill the seedlings and smaller plants, but mature plants will usually die back but then recover and regrow. This is why these weed species are a problem in orchards and vineyards. Spraying with glyphosate kills everything else between rows (except clover), but the glyphosate does not harm the willow herb seeds that are present, and has no residual effect to prevent their germinating & establishing successfully in their ideal bare-ground conditions.

**Orchards & vineyards, berry fruit**

- **GA200** (*glufosinate-ammonium*) is effective against willow herb species at all growth stages, although spraying before seed maturity is obviously the way to go. And GA200 is one of the safer sprays to use around vines and orchard trees. It also has the added benefit of taking out the clover, as well as the general weeds that would be controlled by glyphosate.

Use the equivalent of 7.5L of GA200 per hectare, and add SprayWetter at 100ml per 100L of water used.



**DESCRIPTION**

Alligator Weed : *Alternanthera philoxeroides*

Alligator weed is a perennial aquatic plant that chokes waterways and also invades adjacent land, including crops and pasture. Originally from Brazil, it arrived in NZ in the late 19th century in ballast water from visiting ships. It's abundant in Northland, Auckland and lower Waikato regions, with some other occurrences in greater Waikato and the Bay of Plenty. It has the potential to spread further south, and is subject to regional environmental controls. The species is also listed as a controlled plant by the Ministry of Primary Industries.

It forms a dense floating mat that blocks waterways, chokes out other aquatic plants, and causes serious silting and flooding problems.

Stock will eat the plant though it is toxic, causing photosensitivity and possibly blindness.

Alligator weed spreads to new sites through stem fragments transported within waterways, and also carried inadvertently by machinery, recreational boats & trailers, and by fishing nets. The plant does not produce seeds in NZ; reproduction occurs solely via dispersed fragments of the parent plant. This process is very aggressive, and new patches of the weed can double in size in just two months.

The leaves are green, elliptical and waxy, up to 10cm long, though they can be much smaller, especially on land sites. They grow at intervals on the stems in opposite pairs. The stem is hollow and thick, green-brown to reddish, branching and creeping (or floating) to a length of 10 metres or more. Flowers are white and appear very similar to those of white clover, though smaller. Flowering occurs Dec to Feb.

The preferred habitat is shallow waterways, dams, lagoons, swamps and estuaries, including fresh to slightly brackish waters. Alligator weed will spread into drains and onto land adjacent to waterways. It also can be an invader of lawns and recreational land sites.



**CONTROL – GENERAL**

Check with your regional council. All affected local authorities have strict controls for Alligator weed, and will provide assistance if you locate the plant. Waikato Regional Council states that you must not control the plant yourself at all, but must report it to them for their control action.

**PHYSICAL CONTROL**

On land sites you can dig out small patches, ensuring that every fragment of the stems material is transported off the site. And check for regrowth!

**BIOLOGICAL CONTROL**

There's a beetle, a moth and grass carp. These are effective at the right time, but you need to consult your local authority on the options. The grass carp will also require a DoC permit (well, you will require one ... not the actual fish).

**HERBICIDE CONTROL**

Where permitted by your local authority, control via herbicides can be undertaken. However, spraying over waterways will require resource consent, and also an 'Approved Handler' certified operator and water-safe herbicide. It's far more practical to get the local authority involved and let them deal with it.

Land sites (or temporarily drained ponds and drains) can be controlled as follows:

- **Weed wipe** with 5g *MSF600* + 1ml *SprayWetter* per litre of water.
- **Spray** spring-autumn with 5g *MSF600* + 5ml *SprayWetter* per 10L water, using extreme care where close to waterways.
- **Glyphosate (Granny)** and **GrassMate** are also effective sprays, at the label rates given for general use. Use great care around waterways!

**If you find a new Alligator weed site, the first step is to report it to your local authority. They will explain exactly what your responsibilities are, and theirs. And they will either do the control themselves, or will assist you considerably in the task.**

**GRANNY** 800g/kg GLYPHOSATE AS THE MONOAMMONIUM SALT

ACVM No 7499



*Non-selective herbicide for spraying out pasture, and general weed control.*

- The stronger, smarter and most economical glyphosate option. 9kg is equal to 20L of G360.
- Water-dispersible granule, easily soluble.
- 4.5kg bag minimizes packaging disposal.
- No residual effect in soil; drill new seed in 2 days.
- Use just 425g/100L water (knapsack 65g/15L) for general spraying; 1.4-2.2kg/Ha for pasture spray-out.
- Add SprayWetter penetrant for best results.

2.25kg ...\$55.00  
4.5kg .....\$78.20  
9kg .....\$120.75

**GLYPHOSATE 360** 360g/L GLYPHOSATE AS THE ISOPROPYLAMINE SALT

ACVM No P5441



*Non-selective herbicide for spraying out pasture, and general weed control.*

- Glyphosate is the world's most popular and trusted herbicide.
- Safe to use, fast acting, non-toxic & economical.
- No residual effect in soil; drill new seed in 2 days.
- Withhold stock 2 days to allow penetration through plant.
- Use 1L/100L (hand) or 3-5L/ha (pasture).
- Add SprayWetter penetrant for best results.

5L.....\$49.45  
10L.....\$82.80  
20L.....\$124.20  
200L...\$1046.50

**MSF600 Gorse & Brush Spray** 600g/kg METSULFURON-METHYL

ACVM No P7027



*For control of gorse and other scrub weeds in pasture, waste areas and forestry.*

- The low-cost, proven choice for big and small jobs.
- Water-dispersible granule, easily soluble.
- Safe to handle, non-toxic to humans and animals.
- Gorse, blackberry, manuka, scrub, bracken, ragwort & thistles.
- For gorse use 20g/100L (hand), 500g/ha (aerial).
- Add SuperWetter penetrant for best results.

200g .....\$31.05  
500g .....\$46.00  
1kg .....\$78.20  
10kg ctn (5 x 2kg bags)  
.....\$552.00  
30kg+ - Ask for quote

**GRASSMATE** 300g/L TRICLOPYR AS THE BUTOXYETHYL ESTER plus 100g/L PICLORAM AS THE AMINE SALT in the form of an emulsifiable conc.

ACVM No P7417



*For control of brushweeds, broadleaf and erect weeds in pasture.*

- Kills gorse, broom, blackberry, tutus, sweet briar, matagouri & lupins.
- Also controls broadleaf weeds, including ragwort, thistles, fennel, nettle and inkweed at 2L/Ha.
- Add SuperWetter penetrant year-round.
- 10-12L/ha for brush species, and 250-300ml/100L handgun (gorse rate)

2L.....\$98.90  
5L.....\$197.80  
10L.....\$356.50  
20L.....\$598.00  
100L...\$2875.00

**MCPA 750** 750g/L MCPA AS THE DIMETHYLAMINE SALT

ACVM No P8173



*For control of thistles and other broadleaf weeds in pasture and cereals.*

- Highly concentrated water soluble solution.
- Controls thistles of all species, especially in younger growth stages.
- Grass-friendly but higher concentrations damage clover.
- Economical at just 1.5-3.0 L/Ha use rates.
- Use late autumn through to summer.
- Works well with Cobber herbicide against resistant thistles.

5L ..... \$75.90  
10L ..... \$132.25  
20L ..... \$241.50  
200L . \$2277.00

**2,4-D GRANULES** 800g/kg 2,4-D dimethylamine salt as WATER SOLUBLE GRANULES

ACVM No 8924



*For control of broadleaf weeds in pasture and cereals*

- Non-volatile formulation greatly reduces spray drift risk.
- Non-smelly, easy to handle, water soluble granules.
- Convenient 2kg foil bags for easy dispensing.
- Controls thistles and ragwort seedlings and rosettes.
- \* Minimal clover damage, especially with winter spraying.
- Use 1-1.5kg/Ha in cereals, 1-3kg/Ha in pasture, depending on target species.

**10kg carton  
(5 x 2kg bags)  
.....\$138.00**

**COBBER** 300g/L CLOPYRALID as the amine salt.

ACVM No P7790



*For control of hard-to-kill and multi-crown thistles in pasture.  
(Approved Handler certificate required)*

- Kills Californian, nodding, winged and variegated thistles incl large rosette and multicrown plants.
- Mix with 2,4-D or MCPA where thistles resistant to those herbicides exist.
- Use 1-2L/Ha or 100-200ml/100L.

**2L.....\$149.50  
5L.....\$276.00  
10L.....\$529.00  
20L.....\$977.50**

**GIBBER 900** 900g/kg GIBBERELLIC ACID

ACVM No P8002



*Growth promoter to boost pasture production in cool weather feed shortage conditions.*

- High strength powder applied at just 9g/ha dissolved in water. (9g scoop included).
- Rapid increase of dry matter (DM) production during spring and autumn feed shortfalls.
- Just \$5.77/Ha, apply with any spray gear.

**45g .....\$42.55  
270g ....\$198.95**

**BUCKSHOT** 20g/kg PICLORAM GRANULES

ACVM No 7717



*For direct spot application dry granule treatment of broadleaf, erect and brush weeds.*

- Controls ragwort, nodding thistle, gorse, inkweed, broom, docks, hemlock, sweet brier, woolly nightshade, tutsan, blackberry.
- Convenient and safe; apply by hand, by pogo stick applicator, or by applicator bottle.

**5kg .....\$82.80  
10kg ....\$149.50  
20kg ....\$241.50**

**DECISION** 800g/kg FLUMETSULAM IN A WATER DISPERSIBLE GRANULE

ACVM No P8368



*Control broadleaf weeds in new and established pasture, lucerne, chicory, clover and maize.*

- Clover-friendly control of annual & perennial buttercups in pasture.
- Good for autumn and spring application.
- Also controls chickweed, cleavers, mallow, oxeye, sorrel, spurrey, stinking mayweed and willow weed.
- 30g-65g/Ha depending on species and growth stage. Annual buttercups 50g/Ha, giant buttercups 65g/Ha.

**200g ....\$110.40  
500g ....\$235.75**

**GA200** 200g/L GLUFOSINATE-AMMONIUM IN THE FORM OF A SOLUBLE CONCENTRATE

ACVM No P9422



*Controls grasses, weeds and clovers, especially in orchards and vineyards.*

- Safe to use around fruit trees and vines including vineyards, berryfruits.
- Useful for stale seedbed preparation, especially where clover is a problem.
- Controls virtually all common orchard/vineyard weed species.

**5L.....\$195.50  
10L.....\$335.00  
20L.....\$598.00**

**CALL TOLL-FREE ON (0508) 299 299 Prices include delivery and GST**

**RANGER** 750g/kg THIFENSULFURON-METHYL GRANULES

ACVM No 7668



*For control of docks and buttercups in pasture and cereal crops.*

- Selective herbicide for use in pasture, wheat barley and oats.
- Also controls oxeye daisy.
- Excellent added to Glyphosate when spraying out pasture.
- Apply by air or ground boom, and spot spray.
- Scoop and measuring cylinder included.
- Use at 20g/Ha, so 100g pack will treat 5 hectares.

100g .....\$74.75  
1kg .....\$684.25

**TRICLO** 600g/L TRICLOPYR AS THE BUTOXYETHYL ESTER

ACVM No P7189



*For control of brushweeds, broadleaf and erect weeds in pasture.*

- Grass and clover friendly.
- Blackberry, broom, gorse, lupin, tutus, fennel, sweet brier, Old Man's Beard, plus most broadleaf weeds in pasture.
- Apply in warmer months during active growing conditions.
- Add SuperWetter for gorse and all woody species.
- Brush weeds use 10L/ha or up to 300ml/100L by hand.
- Broadleaf weeds in pasture use 2L/ha or 200ml/100L.

2L.....\$95.45  
5L.....\$195.50  
10L.....\$345.00  
20L.....\$569.25

**AIRWET LF** 100% ORGANOSILICONE WETTER-PENETRANT

*Low foam formulation optimised for aerial spraying*

- Assists penetration, boosts translocation within the plant
- Reduces rain risk, normally to under an hour
- Much less foaming than typical competitive wetters, with no loss of performance
- Available in 20L jerrycans or 20L cartons (4 x 5L), and 1000L IBC tanks

20L.....\$494.50  
1000L.....Call for quote

**SUPERWETTER** 100% ORGANOSILICONE WETTER-PENETRANT

*Boost spray performance on woody & hard-to-kill species*

- Assists penetration, especially into stressed and dusty plants.
- Reduces rain risk period, normally to under an hour.
- Boosts herbicide performance by aiding in translocation.
- Use at 100ml/100L, or 500ml-2L/ha depending on species.

2L.....\$63.25  
5L.....\$138.00  
20L.....\$454.25

**SPRAYWETTER** 100% NON-IONIC SURFACTANT WETTER-PENETRANT

*Maximises herbicide performance in all situations*

- Permits faster & more thorough penetration into plant.
- Reduces rain risk period, normally to under an hour.
- Use when herbicide directions do NOT specify a SuperWetter.
- Use at 100ml/100L, or 500ml-2L/ha depending on species.

5L.....\$72.45  
10L.....\$120.75  
20L.....\$224.25

## SEAWEED EXTRACT POWDER



*A concentrated extract of **Ascophyllum nodosum** seaweed, in a water-soluble form for spraying onto pasture and crops.*

- Natural concentrated bioactivator
- Stimulates microbial activity
- 100% water soluble
- Encourages root growth and maximum plant production

**5kg (5 x 1kg ziplock bags)**  
...\$115

## CREDENCE 1000



*Stabilised chlorine in a soluble tablet, for water treatment and farm equipment cleaning and sanitizing*

- Effervescent tablets dissolve easily, fast and completely
- Easy to dispense, safe to handle
- Treats water tanks & dams only every 3 months
- Sanitising footbaths
- Safe for drinking water
- Sanitise dairy and other food contact equipment

**Tub of 60 tabs**  
...\$110

## SHOOAWAY



*Chemical-free fly repellent device that really works, indoors or out.*

- 2 x AA batteries last 30 hours of use
- Aussie designed, meets all Aust & NZ food standards
- Harmless to touch; kid friendly
- Uses hologram on rotating soft blades to repel flies successfully

**\$29.95 each if ordered separately**  
**\$24.95 each if ordered with other R&B products**

# THE BACK PAGE

## • Rainbow & Brown

Rainbow & Brown Ltd is a privately-owned NZ company. Our factory and office is in Rotorua. We're now in our 17th 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, which is why our prices are so attractive ... it is effectively the "wholesale" price, direct from the manufacturer.

## • People

The directors of Rainbow & Brown have been involved in the NZ agricultural chemicals business for over 20 years. They're actively involved in the day-to-day running and building of the business. If you phone us, your most likely contact will be Rachael, our office manager (and the real heart of the company!). If you call in to see us, you'll also meet Clinton, the factory manager.

## • Ordering

You can order anytime by phone, online at [rainbowbrown.co.nz](http://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). Please just 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 may 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'll send your invoice with the product, or email it if you prefer. 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.

## • Referral Rewards

Word-of-mouth is the best advertising, so if you recommend us to someone who then becomes a new Rainbow & Brown customer and mentions your name, we'll thank you with a \$10 discount off each different product in your next order. So if you order four different items, you now get a \$40 discount (previously \$10).  
SMALL PRINT: The discount doesn't apply to products on special.

## • Website

Check out our website for full details and labels of all our products, plus Safety Data Sheets, and a small library of useful reference articles. You can also download from the free Weed Files library. It's at [www.rainbowbrown.co.nz](http://www.rainbowbrown.co.nz)

## • Approved Handler Certificates (EPA)

You do NOT need an Approved Handler certificate to purchase any current Rainbow & Brown product except for Cobber herbicide. To apply MSF600, GrassMate, MCPA, Ranger or Triclo in a "wide dispersive manner" (i.e. by boom spray), or apply it commercially (i.e. you're a contractor), or over water (i.e. you're a dickhead), you DO need an Approved Handler certificate to apply it, but you DO NOT need a certificate to buy it. You need an Approved Handler certificate to buy Cobber herbicide or to apply it in any circumstances.



PO Box 10049, Mail Centre, Rotorua 3046

E-mail: [mail@rainbowbrown.co.nz](mailto:mail@rainbowbrown.co.nz)

Freephone: (0508) 299 299

Fax: (07) 350 2008

[www.rainbowbrown.co.nz](http://www.rainbowbrown.co.nz)