

Stuck in the Web

by Paul Martin, Director, Rainbow & Brown



Inside this issue we announce the presence of a Rainbow & Brown Facebook page.

It's no big deal of course; everybody has a Facebook page now. Even I have one: it's the best way to keep in touch with far-flung family members. But I'm also an old guy ... an oldish guy ... and social media is not my comfort zone. I suspect I've been quietly 'unfriended' by a few younger family members, after having unintentionally posted something embarrassing on their page.

By the way, if you're even older than me, Facebook is a sort of public social diary page where you write your own gossip and post pictures of your pets and your breakfast, and hundreds of people you don't know can see it. It was invented by a nerdy-looking kid named Mutt Zuckerberg. As far as I can tell, his sole actual product is a blue logo with a lower case 'f'. And for that he is now worth US\$42 billion according to Wikipedia. No kidding, he is. That is an awful lot of loot just for a lower case consonant. He didn't even invent the damn thing: there were already plenty of 'f's around before he thought of the blue square idea. I think there were abundant blue squares before as well; he just brought the two together.

Anyway, I wondered if I was the only one who made a mess of using Facebook, so I went to Mr Google (I'm not a complete digital ignoramus) and found plenty of examples of older folks posting embarrassing mistakes that make me look a social media expert.

Like this one:

Post: *facebook please put the pictures from Christmas on here.*

Granddaughter: *Grandma, what are you talking about?*

Grandma: *I am trying to put the pictures from Christmas on my facebook but it won't work.*

Granddaughter: *Were you trying to command it like a robot?*

Grandma: *Well your grandfather told me to try that.*

Or this one:

Post: *Happy birthday to our lovely daughter, hope you have a wonderful day. Jim's father died last night. Love Mom*

Daughter: *Gee thanks, Mom.*

But this one is nearest to my own track record:

Post: *the facebook instructions.*

Grandson: *Grandpa, what are you trying to do?*

Grandpa: *make a comment*

Grandpa: *make a comment*

Grandpa: *make a comment*

Grandpa: *the facebook instructions.*

But the most entertaining slip-ups happen because most seniors can't grasp the fact that if they post to a friend or family member's Facebook time-line, it isn't a private conversation. It is going to be seen by everybody in the world: friends; friends of those friends; people whose page has been liked by those friends of friends; people who have liked the likes; and people who post pictures of their pets wearing sunglasses, scarves and hats. So that's everybody in the world.

Here's a typical example of a Granny Gush (and pardon the pun):

Post: *Hi Connie I'm having my colonoscopy tomorrow so at 3:00pm today I have to start taking laxatives and then 14 doses of MiraLax. Ugh! I'll be too scared to leave the bathroom.*

Granddaughter: *Grandma, this is one of those things you probably shouldn't share on Aunt Connie's Facebook timeline.*

The very best thing about Facebook is that it brings families together, especially when it shouldn't.



www.USHumor.com

IN THIS ISSUE:

- **SPRING SPECIAL:**
MSF600 x 3kg
Save \$58.65
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Down for the count?
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- **FULL PRODUCT LIST:**
Sizes & Prices

Brush Weed Special Offer

MSF600 savings, limited stock. Save \$58.65!

In spite of some gloomy news about exchange rates & price rises elsewhere in this issue, we do have some MSF600 brush weed spray available at a hot price.

It's a genuine "while stocks last" offer on the last of some stock that we got at a favourable exchange rate. When it's gone, it's gone, it's gone!

You get a 3kg pack of MSF600 gorse & brush weed spray, in a useful and practical wide-mouth jar with a screw lid.

That's enough for spraying 6 hectares of gorse, or 18 hectares of bracken, or a whole lot of blackberry or scrub.

Normally 3kg of MSF600 would cost you \$234.60 but with this special offer you get 3kg for just \$175.95. That's a 25% discount, and it saves you \$58.65

MSF600 hardly needs any introduction, but just to make sure we'll remind you anyway: it's a water-soluble granule containing 600g/kg metsulfuron-methyl. That's NZ's most popular and proven product for spraying gorse, blackberry and all the other common brush weeds. It's got the grunt to effectively control even dense, mature infestations, and used at a lower rate it is an amazingly economical and effective spot spray weapon.

In the right circumstances, it's also very effective against thistles and ragwort, even big ones, at extremely low application rates.



**MSF600 special 3kg pack:
\$175.95 incl GST & delivery**

No limit per customer. Available only while stocks last

MSF600 is best used in conjunction with one of the organosilicone wetter/penetrants; SuperWetter for ground spraying, and AirWetLF for low foaming aerial application.

Exchange Rate Blues



Many classic blues songs start out with the words, "Well, I woke up this mornin'..." followed by some kind of lament about my sweet baby leaving me, or the sheriff banging on my door; grim stuff like that.

Now we've got the blues at R&B: the Exchange Rate Blues.

Woke up this mornin' and the dollar was down.

Jus' like it was yesterday.

It'll probably be down again tomorrow.

That sweet dollar jus' walk right out on me.

Well, I got them old Exchange Rate Blues again.

Or words to that effect. Repeat until thoroughly depressed.

In the past bit-over-a-year the NZ dollar (what we earn) has fallen from 0.86 to 0.62 US dollar (what we spend). That's the equivalent of a 39% price rise!

Put another way, that imported 42" flat screen TV that was NZ\$999 a year ago is soon going to be costing you \$1399, and there's nothing you can do about it.

If we were selling NZ cheese overseas and getting paid in US dollars, we'd be singing a different tune. But we ain't. Instead when we woke up this mornin' we were still buying chemicals priced in US dollars that we had to actually pay for with Kiwi dollars. You can see the problem right there: the two ends don't reach in the middle.

The practical effect of this falling trend in NZ\$ value is that every order we place for more materials from overseas is now costing more than the previous order. And that means we must have some price rises in our Rainbow & Brown products from time to time - not to retain our margins (we can't do that, alas), but to just tread water in a spluttering and not-quite-drowning sort of way. Sinking a wee bit lower with each successive wave, but still dreaming of a warm, firm, sandy beach waiting for us just beyond the horizon.

Bet you have never had an explanation of exchange rates like that before? We'd thought of mentioning appreciation versus depreciation factors, effects on interest rates, inflationary flow-on, fixed versus floating rate mechanisms, and all that economic jargon. But we didn't understand a word of it. And guess what? The economists don't understand it either. So their predictions and calculations about what happens next are no more reliable than if they'd used tea leaves or bones. Probably less, in fact.

So for now the plan is the same as ever: Wake up this mornin' and check to see if that sweet kiwi dollar be cookin' my eggs, or cookin' my goose. So far it's just a lot of goose feathers.



What the ?

Yes, I'm afraid it's true. Rainbow & Brown is now on Facebook

We have become a member of the worldwide social networking community.

Our Facebook page is just getting started, but it's going to be a place where we post latest product news, give technical advice and answers to common questions, and update special offers and pricing between newsletters. If you don't like Facebook, you'll still find the product Q&A articles at the Blog on our website.

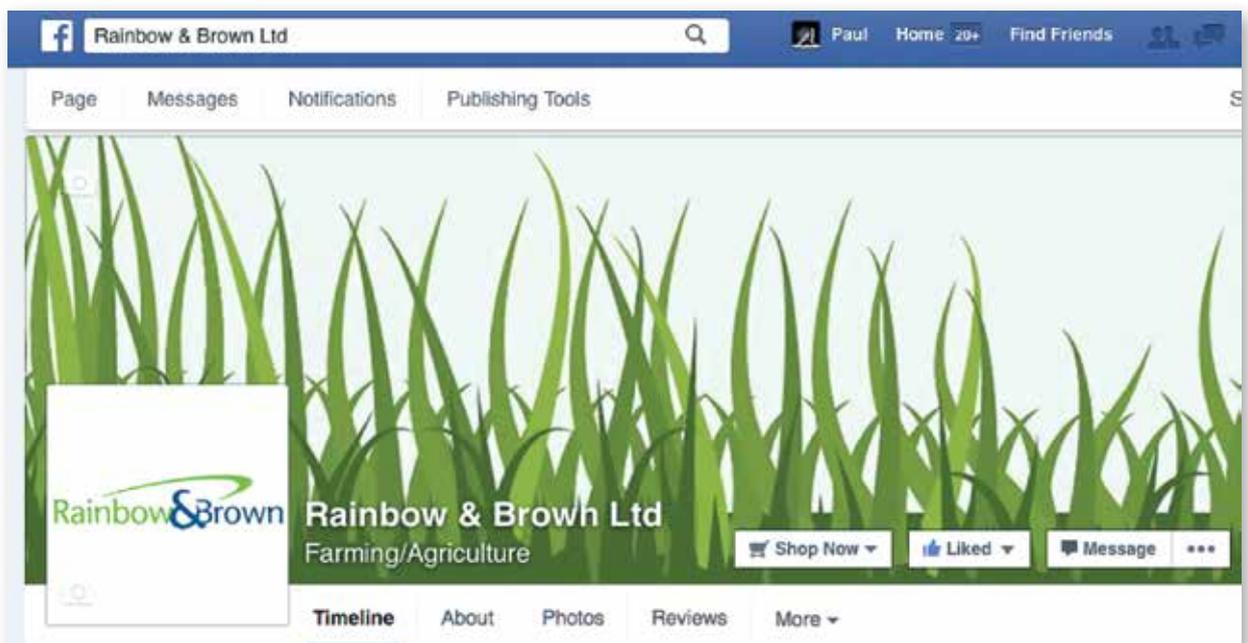
We will run some customer surveys and competitions intended to grow our product range and improve our business.

We will also do a bit of non-business stuff, such as the kind of nonsense that pest in the hat writes on the front pages of our newsletters.

Pictures, too ... a Facebook page is an excellent spot to post regular weed identification pictures of common weeds at different stages of growth, as appropriate to the current season. We might even share a few non-weedy pictures of general interest, although we promise not to post photos of our breakfast or our pets.

Unless they are selfies; because selfies with pets are quite cool. Actually, no, they're not, so we won't post those either.

You'll find our Facebook page by going to Facebook and typing Rainbow & Brown in the search bar. And you will see this:



So you'd better do it now; find us and 'like' us. We're awfully likeable. And please 'follow' us as well, so you'll know when new & exciting stuff has been posted.

Pledge: *We won't be going on Twitter. Not ever. Unless Kim Kardashian likes our Facebook page, in which case we will rush to announce the news in a tweet, or a peep, or a chirp, or whatever it's called.*

Understanding Spray Tank Ratios

This can be tricky to get your mind around, but once you do it will never confound you again.

Have a look at this table. It's part of the Directions for Glyphosate 360 liquid.

Weed Species	Boom or Aerial Litres/ha	Handgun Vol/100 litres	Knapsack ml/15 litres
Californian Thistle	4	1 litre	150ml
Couch	3-6	1 litre	150ml
Dock	4-9	1 litre	150ml

All three weeds use the same ratio of chemical to water for hand spraying: 1L per 100L (or 150ml per 15L, which is the same ratio). Pretty straightforward.

BUT, for boom spraying all three weeds species require different amounts of chemical per hectare, depending on the weed species, the density of infestation, and the size of the weeds (i.e. seedlings versus mature).

That's all a bit confusing at first, but it does make sense if you think about it.

When you're hand spraying you instinctively vary your spraying. If it's thickly infested you simply hand spray more to get the desired visible dampness on the leaf, and thus your spray tank or knapsack will cover less area. And you vary it constantly on the go, applying a bit more here and a bit less there.

But boom spraying is a different matter, because we're telling you how much chemical to use for a given area, target and conditions. We don't specify exactly how much water to use because, within reason, it doesn't matter. It could be 80L per hectare, or it could be 300L per hectare; it depends mainly on your spray gear, and also (a wee bit) on your personal eccentricities as an operator.

The water is just a carrier; the chemical doesn't know or care how much water it's mixed with, and the target weed is also indifferent to the exact ratio. The water's only job is to allow you to spread the intended amount of chemical over the intended area.



If you don't know how much area your spray tank will cover, fill it with plain water and do a small calibration trial. Spray the water over a known area (say 100m x 25m, which is a quarter of a hectare), using a driving speed that results in getting the leaf visibly damp, but not running off. Then check the tank to see how much water you used.

Let's say you used 40L of water on that quarter hectare test area. That means you'd use 160L of water per hectare. Now, suppose you want to apply 6L/hectare of chemical. Therefore:

- If your spray tank is 80L capacity, use 3L of chemical per 80L tank, and cover half a hectare; or
- If your spray tank is 240L capacity, use 9L of chemical per 240L tank, and cover 1.5 hectares.

HOWEVER, let's say your neighbor Mrs Jones also does a trial using her *different* spray gear and finds that she needs 60L of water to adequately cover a quarter hectare test area, which equals 240L per hectare. Therefore:

- If her spray tank is 80L capacity, she uses 2L of chemical per tank, and covers a third of a hectare; or
- If her spray tank is 240L capacity, she uses 6L of chemical per tank, and covers one hectare.

So both you and Mrs Jones applied the chemical at 6L per hectare, but used different amounts of water and covered different areas per tank. You will both get exactly the same kill because the weeds can't tell the difference between you and Mrs Jones.

FOOTNOTE: What if you need to boom spray an area that's not continuous, like between rows of vines or trees? Just use the hand spray ratio (in this case 1L per 100L) and spray to the point of visibly damp leaf. You can then gradually refine your optimum driving speed for future applications, based on your previous results.

Price Increases. Bugger.

In this issue there's an article about how the falling value of the NZ dollar has smacked us sharply in the financial chops.

In case you attempted to read through that article but your eyes glazed over and you simply could not go on, what it means is that just lately our cost prices are increasing every time we buy any new stock.

It doesn't affect every product at the same time, because we don't buy every material all at once.

This month it affects Glyphosate 360, Granny, Decision and AirWet LF - the two glyphosate products rise by around 5%, while Decision and AirWet LF rise by an eye-watering 20%.

Why the big difference? It's because we buy Decision & AirWet material less often than glyphosate, so during their comparatively longer re-ordering interval the Kiwi dollar has fallen further.

Of course it all works the other way round when our dollar rises, but that's just in theory. In practice, our dollar remains flat on its back on an IV-drip, in intensive care for the foreseeable future.

Here are the new prices, effective immediately:

Glyphosate 360g/L liquid

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

Granny 800g/kg glyphosate granules

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

Decision 800g/kg granules

• 200g...\$110.40 • 500g...\$235.75 • 1kg...441.60

AirWet LF organosilicone wetter

• 20L...\$494.50

These prices include GST and delivery.



WEED FILE: GORSE

REVISED: OCTOBER 2015



DESCRIPTION

Describing gorse to a Kiwi farmer is like describing a jockstrap to an All Black; hardly necessary (i.e. it's an uncomfortable fact of life and you already know what it looks like).

But for the sake of form, gorse is a woody, deep-rooted perennial brushweed that can grow to 4 metres high in dense, impenetrable stands. Its small green leaves are hard spines, and in autumn and spring it produces the masses of bright yellow flowers so beloved of tourists.

Alas, gorse also produces about 8,000 seeds per bush per year. And these seeds can survive in the soil for at least 30 years. So it's hardly surprising that controlling and ultimately eradicating gorse is a long-term proposition, involving a combination of several management practices.

MANUAL & MECHANICAL REMOVAL

If stands of gorse are not too dense and mature, plowing or rotary slashing can be an effective approach. After plowing, seedlings and regrowth will require follow-up spraying with herbicide (see below). Slashing will need to be repeated, probably several times, interspersed with hard grazing by sheep, as well as some follow-up spraying as necessary.

Cutting smaller gorse with a scrub cutter or chainsaw and treating the stumps with herbicide, although labour intensive, is very cost-effective for isolated plants or small stands. Large individual gorse bushes can be successfully cut off just above ground level, and the stumps swabbed with herbicide (see below).

BURNING

Gorse burns well and if conditions (and regulations) allow, burning can be a cost-effective option. But seeds are not killed by the fire, and even the burnt stumps will regrow, so follow-up spraying with herbicide is inevitable. Most authorities advise spraying with herbicide some months before burning, because the dying bushes will burn better.

GOATS

Goats can contain or even eliminate gorse given time, but the property needs to be suitably fenced and carefully managed over several years. Up to 20 goats per hectare are required to make good progress.

BIOLOGICAL AGENTS

There is a widely-occurring gorse seed weevil that has some impact during the summer months, but is ineffective against seeds produced outside that season. Other biological agents are being developed and tested, and may prove beneficial in the future. Of course, they said that about the rabbit. And the possum. And the cane toad.



HERBICIDE CONTROL

Stump Treatment

- **Glyphosate** at 200ml/L water. Effective year round, grass friendly.
- **GrassMate** at 50ml/L water. Effective year round, grass friendly.
- **Triclo** at 50ml/L water. Warmer months only, grass friendly.
- **MSF600** at 5g/L water. Effective year round, most cost-effective.

In all cases, add **SuperWetter** at 10ml/L water to aid penetration. Plants should be cut as low to the ground as possible and treated soon after cutting. Use a paintbrush on large stumps to totally cover the top and sides of the stump down to ground level. A spray bottle or knapsack sprayer can also be used.

Spraying

The best option for dense and inaccessible stands. While gorse can be successfully sprayed year-round, the best time is during the flush of 'soft' growth that occurs a few weeks after flowering. The time when this occurs varies in different parts of the country, and even then varies a bit from year to year. It generally coincides with late spring, summer and early autumn.

- **MSF600** at 500g/Ha by air, in 400L water plus 2L **SuperWetter** or **AirWetLF**.
- **MSF600** at 20g/100L by handgun (knapsack 5g/10L) plus **SuperWetter** at 100ml/100L water.
- **Grassmate** at 6ml/L water for hand spraying, or 10L/Ha by air, plus **SuperWetter** or **AirWetLF** at 100ml/100L water.
- **Triclo** at 6ml/L water for hand spraying, or 10L/Ha by air, plus **SuperWetter** or **AirWetLF** at 100ml/100L water. Warmer months only.
- **Glyphosate 360** at 1L/100L, or **Granny** at 450g/100L, plus **SuperWetter** at 100ml/100L water.

Notes:

1. **GrassMate** is grass friendly. **Triclo** is both grass and clover friendly. **MSF600**, **Glyphosate 360** and **Granny** are not grass friendly.
2. **MSF600** is the slowest acting (takes several months) but the lowest cost. It's also the most popular.

WEED FILE:

HIMALAYAN HONEYSUCKLE

REVISED: OCTOBER 2015



DESCRIPTION

Himalayan Honeysuckle is a perennial shrub that grows to about 2-3 metres high.

It inhabits roadside areas, farm hedges, stream margins, plantations, scrubland, wasteland, gullies and forest margins. It can also be found around fences and outlying farm buildings at times. It is more common in wetter locations.

The plant itself is a many-stemmed perennial shrub. The stems are green, straight, hairless and hollow. The leaves are an elongated heart shape, more pointed at the tip than the base, and can be quite large (to about 15cm long).

The species can be best identified by its distinctive white funnel-shaped flowers, surrounded by a collar of larger, drooping, red-purple bracts (a *bract* looks like a cross between a leaf and a flower, and encloses or collars the actual flower). The flowers are present during the period from December to May. Himalayan Honeysuckle also produces drooping clusters of roundish, deep brown-purple berries of 7-10mm diameter, the juice of which is very staining.

The plant disperses via the abundant seeds, which are distributed by birds eating the berries and by waterways transporting fallen berries.

Once established, Himalayan Honeysuckle forms dense thickets that grow aggressively and displace native species.

MANUAL REMOVAL

Isolated or scattered specimens or smaller clumps of Himalayan Honeysuckle can be dug out quite successfully. It is safe to leave plants that have been dug out to wither and rot, but the removed material can also be satisfactorily mulched or composted.

If native species in the removal site are not fast-growing, it can be a good idea to replant the immediate location with something that will 'fill the gap', to discourage re-establishment of the Himalayan Honeysuckle.



HERBICIDE CONTROL

Cut & Stump Paint

- **Glyphosate** at 200ml/L
- **Triclo** at 100ml/L
- **Grassmate** at 100ml/L
- **MSF600** at 5g/L

Any of these four herbicide options is suitable for stump painting. The choice is just a matter of which of the products you have on hand. Cut the plant off as low to the ground as possible, and liberally coat the stump with the herbicide mixture immediately after cutting, to ensure herbicide penetration.

Spot Treatment

- **Buckshot** granules applied dry at 55g per square metre sprinkled around the base of each plant and out to the drip line. The plant is then left to die standing. This is an excellent 'target-of-opportunity' treatment when carried on the bike or ute.

Spraying

For larger thickets and clumps that are impractical for manual removal, spot treatment or cut&swab, the best control method is spraying.

- **Triclo** or **Grassmate** at 6ml/L by knapsack (i.e 90ml in a 15L knapsack)
Add **SprayWetter** penetrant at 15ml/15L.
- **MSF600** at 35g/100L by handgun, plus 100ml **SprayWetter** penetrant.
- **Glyphosate 360** at 1L/100L by handgun or 10ml/10L by knapsack, or **Granny** at 450g/100L by handgun, or 45g/10L by knapsack, plus **SuperWetter** penetrant at 100ml/100L.

The choice of spray treatments depends on the circumstances; **Triclo** and **Grassmate** are grass-friendly while **MSF600**, **Glyphosate 360** and **Granny** are not. In most cases that's unlikely to matter, and the choice can be made on the basis of which product is on hand.

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 concentrate

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

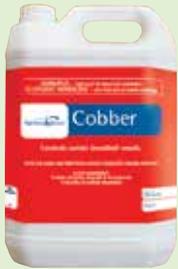


For control of broadleaf weeds in pasture and cereals

- 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 at seedling and rosette stages.
- * 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)
.....\$120.00

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 by boom or 100-200ml/100L spot spraying. Also good for wiper application.

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

GIBBER 900 900g/kg GIBBERELIC 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; increases of 30-60% can be achieved within just 3 weeks.
- 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.
- Carry Buckshot on the bike, tractor or ute for opportunistic spot weed control.

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, as well as for lucerne, chicory, clover and maize crops.

- 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

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

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 15th 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, 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 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.

• 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

• 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.



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