



The Future Is Here

(AND IT'S ASKING THE COWS QUESTIONS)

by Shayne McNamara

Once upon a time, "technology on the farm" meant electric fences and a calculator that still smelt faintly of silage. Fast-forward to today and suddenly we're talking about Artificial Intelligence. Not the scary, take-over-the-world kind (yet), but the sort that might politely suggest your cows are slightly unimpressed with the pasture quality in paddock seven.

AI, we're told, is going to revolutionise farming. And judging by the headlines, it's already halfway there. Cameras now watch cows walk, chew, lie down and contemplate life. Algorithms decide whether Bessie is happy, mildly grumpy, or just chewing cud in a philosophical way. Somewhere, a server is quietly concluding that she's "a bit off her feed" and pinging your phone at 3:17am. Progress??

In the dairy shed, AI is learning to predict milk yields, detect mastitis before it becomes a drama, and even optimise feed rations. In theory, this means fewer surprises and better decisions. In practice, it also means explaining to your neighbour why your phone just told you Cow #1487 needs emotional support and 2% more metabolisable energy.



Out in the paddock, AI is sharpening its skills with herbicides. Smart sprayers can now identify individual weeds at speed and zap them with pinpoint accuracy. No more blanket applications, no more "spray and pray". The machine sees a thistle, thinks very hard for a fraction of a second, and applies exactly the right dose in exactly the right spot. It's like whack-a-mole, but with silicon chips and less shouting.



This is great news for efficiency, costs, and the environment. Less product used, better results, happier regulators. The only downside is that weeds, having survived fire, frost, drought and farmers for thousands of years, are now

being defeated by something that can't even open a gate properly.

Of course, AI doesn't replace farmers. It just adds another "voice" to the mix. One that never sleeps, never forgets, and has no respect for traditional sayings like "she'll be right". It will happily tell you that soil moisture is down 3%, growth rates are lagging, and your nitrogen timing could be improved... while you're trying to enjoy a cuppa.

There's also the small matter of trust. Farmers are rightly sceptical creatures. If AI recommends spraying on a day when the clouds look "a bit funny", most will still trust their gut over an algorithm trained on satellite data and weather models. And that's probably healthy. AI is clever, but it's never pulled a bogged tractor out in the rain.

The future, realistically, is a partnership. AI handles the data, the patterns, and the things humans are terrible at tracking. Farmers handle judgement, experience, and knowing when technology needs to be ignored in favour of common sense.

So yes, AI is coming to dairy farming and herbicide use in a big way. It will save time, reduce waste, and improve decision-making. Just don't be surprised if one day it also asks why you keep the good biscuits in the ute and not the office. Even machines know where the real productivity happens.

(Pictures generated by AI)

IN THIS ISSUE:

• Horse Health and Paddock Hygiene

Ranger for docks and buttercups, Recruit 100SC for fly and tick control, and Seaweed Treat for a nutritional boost

• Fieldays 2026

Come and find us at Stand PE6, Mystery Creek Pavilion – 10 to 13 June

• Rough Seas, Rising Costs

Why agrichemical prices have been moving more than usual lately and what we're doing about it

• Knowing What's In Your Spray Tank

New EPA rules for chemical importers, and what they mean for the NZ agrichemical industry

• Storing Herbicides Over Winter

Minimum storage temperatures for the Rainbow & Brown range. What your chemical shed needs to know before the cold sets in

• Revised Weed File: Wandering Jew

Dense, mat-forming, and nearly impossible to kill in one go – here's how to get on top of it

• Everything You Wanted To Know About Foliar Fertilisers

The science, the edge cases, and when foliar nutrition actually earns its place

• Winter Pricing Pages

Current pricing across the full Rainbow & Brown product range

Keeping Your Horses Healthy and Your Paddocks Clean

If you run horses, you already know the drill: flies pestering your animals through summer, docks and buttercups creeping back into the paddock every spring, and the question of whether your horses are getting everything they need. Rainbow & Brown has a practical answer to all three.

Ranger: Clean Paddocks, Happy Horses



Buttercups and docks are a perennial headache in horse paddocks. Buttercups cause mouth ulcers and digestive irritation, and dense dock infestations reduce pasture quality. Ranger is our go-to recommendation for tackling both. A water-dispersible granule that's pasture-friendly, carries no human or animal hazard classifications, and is genuinely good value. Apply in early spring when weeds are actively growing for the best results. At 20g per hectare, a 100g pack treats five hectares. Ranger stops new growth rather than giving immediate knockdown, so allow 4–6 weeks for full die-off. Horses can return to treated pasture after just 7 days. One note for horse paddocks: Ranger causes a 3–4 month check in clover growth. This is not normally a problem for horse pasture but if clover is important to you, factor that into your timing.

On special now – save up to \$46 on Ranger:

- 100g – \$57 incl. GST (save \$6.25)
- 500g – \$212 incl. GST (save \$23.75)
- 1kg – \$414 incl. GST (save \$46)

Seaweed Treat: The Nutritional Boost Your Horses Will Thank You For

Even well-managed horses on good pasture can end up short on trace minerals. Seaweed Treat Micro-Gran is sourced from *Ascophyllum nodosum*, widely regarded as

the gold standard of seaweeds, packing 70 minerals, 17 amino acids, and natural growth promoters into a fast-dissolving micro-granular form.

The benefits that tend to matter most for horses are coat and hoof condition (zinc, copper, sulphur and amino acids), immune function, and general vitality. Dosage is 5–10 grams per horse per day through the water supply. BioGro approved and suitable for organic operations.

20% off the full range – now on special.



Recruit 100SC: Give Flies and Ticks the Boot



Summer brings flies, and flies bring misery. Recruit 100SC is a professional-strength bifenthrin-based insecticide that delivers fast knockdown and keeps working long after the spray has dried. It's non-repellent, which means insects don't detect it and avoid it; they simply pick it up and it does its job. Spray stable walls, doorframes, and fence rails where flies land and rest.

Customer Tina has used it two summers running: "Works extremely well on keeping the flies and ticks away... have noticed far less Bot Flies when using this stuff." MPI Approved Type B, water-based, and up to six weeks' residual control per application.

All Three, One Call

Whether you're looking to clean up your paddocks before the season kicks off, get on top of summer flies before they become a problem, or give your horses a nutritional leg-up, we've got you covered.

Fieldays^{NZ}

10 - 13 June 2026

FIND US AT

STAND PE6

MYSTERY CREEK PAVILION



CATCH US AT FIELDDAYS 2026

Fieldays is on again – 10 to 13 June 2026 at Mystery Creek, and we'll be there.

Come and find us at Stand PE6 in the Mystery Creek Pavilion. It's a good chance to get hands-on with our latest products, talk through what's working on your property, and get straight answers from the team without the phone tag.

Whether you've got questions about weed control, soil health, or just want to say hello – we'd love to see you there.

Same stand as always.
See you at PE6.

Rough Seas, Rising Costs: What's Going On Out There

If you've noticed agrichemical prices moving more than usual lately, or found certain products harder to pin down, you're not imagining it. There's a fairly clear set of reasons behind it, and we think you deserve a straight explanation.

The Strait of Hormuz

Disruption in the Strait of Hormuz has sent oil prices sharply higher, and the effects are flowing through the entire supply chain.

When oil prices spike, the costs that ship operators pay to move cargo spike with them. Those costs get passed on through freight surcharges: the BAF (Bunker Adjustment Factor) and CAF (Currency Adjustment Factor) that carriers apply to account for fuel and currency volatility. On the domestic side, we're currently receiving weekly FAF (Fuel Adjustment Factor) update emails from our transport companies. That alone tells you how unsettled the freight environment is right now.

There's a second layer on top of the freight impact. Producing agrichemicals at scale is energy-intensive, and energy costs flow through directly into manufacturing costs. When oil prices spike, that pressure works its way through the whole production chain, even for products like glyphosate that aren't petroleum-based themselves. So unlike some supply disruptions where only one part of the chain is affected, the Hormuz situation can squeeze both production costs and freight costs at the same time.

The Northern Hemisphere demand problem

Compounding this is a timing issue. As Europe and the Northern Hemisphere move into spring and summer, demand for agrichemicals, particularly glyphosate, spikes sharply. That seasonal surge competes directly with New Zealand buyers for the same global supply. When supply is already under pressure, that competition gets felt quickly in pricing and availability.

A real example: glyphosate in March

In March this year we saw this play out in real time. Our glyphosate supplier lifted prices by 12% and briefly paused quoting altogether while they assessed the situation. Within days they were signalling a further 10 to 14% increase on top of that, with supply also tightening. It's a good illustration of just how quickly things can shift when multiple pressures hit at once.

The stockpiling effect

When customers understandably react to price signals by buying ahead, it creates a secondary problem: demand planning becomes very difficult. Orders spike, then go quiet, and the underlying picture of actual usage gets obscured. We're managing this as best we can, but it does mean our forecasting is working harder than usual.

What we're doing

We've been proactively booking stock ahead of confirmed price movements where we can, and we're keeping a close eye on the market on your behalf. Where we can hold pricing, we will. Where we can't, we'll give you as much notice as possible.

We're not going to pretend the environment is simple right now. It isn't. But we're across it, and we'll keep you informed as things develop.

Note: At the time of this newsletter going to print in early May, the above reflected the situation as we understood it. Supply chain conditions in this environment can shift quickly, and pricing or availability may have changed again by the time this reaches you. If you have any questions or want to know where things stand right now, give us a call on 0508 299 299 or check our website for more information www.RainbowBrown.co.nz



Heads Up – July Dispatch Times

Just a quick note to let you know that July is typically our quieter winter period, and this year the team will be taking some well-earned time off in rotation throughout the month.

We'll still be dispatching as normal, but there may be slightly longer turnaround times than usual – so it's worth allowing a little extra lead time on your orders through July.

We'll be back to full speed in August.

For full details on Rainbow & Brown products, including current prices, labels, directions for use, and safety info, go to www.rainbowbrown.co.nz

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

Knowing What's in Your Spray Tank – New Rules for Chemical Importers

There's a reasonable argument that anyone farming in New Zealand should be able to find out exactly what chemicals are entering the country, in what quantities, and who's bringing them in. Until recently, that information wasn't collected in any systematic way. From 1 January 2026, that's changed.

The EPA has introduced new requirements under the Hazardous Substances (Importers and Manufacturers) Notice, which for the first time creates a centralised register of every business importing or manufacturing hazardous substances in New Zealand – including agrichemicals. As an importer and manufacturer ourselves, we've been through the process, and it's worth explaining what it means for the industry.

What's now required

Any business importing or manufacturing hazardous substances must register in the EPA's new HSRN (Hazardous Substances Register) portal. That registration includes the company's New Zealand Business Number and the HSNO approval numbers for every substance they bring in or produce – so there's a direct, auditable link between an importer and the products they're responsible for.

For agrichemical importers specifically – pesticides, herbicides, plant growth regulators – there's an additional annual reporting requirement. Each year, importers must declare to the EPA every product they've imported, the active ingredients it contains, and the total quantity in kilograms. The first report, covering the 2025 calendar year, was due 31 May 2026.

Why this matters

For farmers and contractors buying agrichemicals, this is a meaningful shift in how the supply chain is structured and monitored. It means the EPA now has visibility over what's entering the New Zealand environment each year – which products, which active ingredients, in what volumes. That data will inform future regulatory decisions and help identify risks that weren't previously trackable.

It also raises the bar for anyone operating in this space.



Importers who weren't keeping clean records of their approvals, active ingredients, and volumes are now required to do so – or stop importing. That's good for the integrity of the market.

Fertilisers are exempt from annual reporting, which makes sense given their lower environmental risk profile. And for situations where products are relabelled or repacked after import, the reporting obligation stays with the original importer – avoiding double-counting and keeping accountability clear.

Where we stand

We've registered in the portal, submitted our first annual report, and have our systems set up for ongoing compliance. It's added some admin overhead, but it's the kind of accountability we think the industry should have.

If you're curious about the HSNO approvals behind any Rainbow & Brown product, they're listed on the relevant safety data sheet – section 15. We're also happy to talk through any questions you may have.

Storing Herbicides Over Winter

Temperatures around New Zealand get pretty cold, and chemical sheds are often uninsulated. It's worth knowing what your products can handle before winter sets in – not all herbicides and adjuvants are equal when the mercury drops.

The general rule for liquids

Don't store liquid products below 4°C as a default. If a product has been exposed to temperatures below its threshold, check it before use – look for separation, crystals, ice, or coagulation. If you find any of these, move the container somewhere warm (around 20°C) for a few days, inverting or shaking it periodically. That's usually enough to bring it back. If it doesn't redissolve, don't use it.

Dry formulations

Granules, WDGs, and wettable powders are generally more forgiving on temperature but don't like moisture. Keep them sealed, off the ground, and away from condensation.

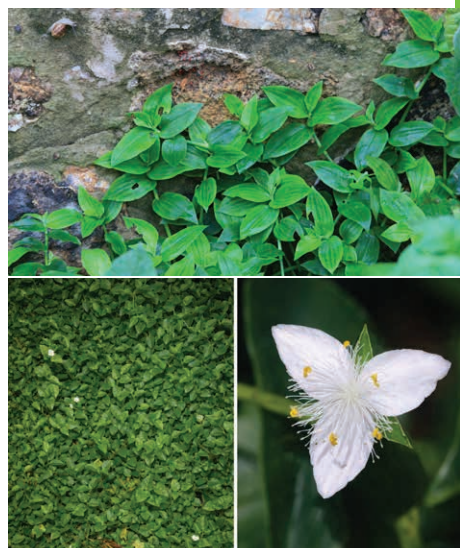
RAINBOW & BROWN PRODUCT STORAGE GUIDE

Minimum Storage Temp	Products
No restriction (dry)	WHACK 2,4-D 800, Buckshot, Decision, Granny, MSF600, Ranger
Do not store below 4°C	BioWet and other vegetable oil-based crop oils
Do not store below 0°C	LawnMate, GA200, Halox 100 EC, Ralid, PastureMate, MCPA 750, Dicamba 500 SL, Cut'n'Paste range†, SprayWetter, SuperWetter, Foam Crusher
Do not store below -8°C	TerbGuard, Doubleshot
Do not store below -12°C	Glyphosate 360, Glyphosate 540, GrassMate, Triclo

†Cut'n'Paste gels: 5–25°C is ideal. 0°C is the practical lower limit – do not freeze.

This table is indicative only. Active ingredients are formulated at different strengths using different carrier ingredients, so storage behaviour can vary between products. Always refer to the product label or SDS for full guidance, or contact us if you're unsure.

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.



Description

Wandering Jew (also known as *Tradescantia* or Wandering Willie) is a low-growing, creeping perennial weed from South America, formerly sold as an ornamental but now banned from garden centres due to its invasive nature. It forms dense mats of soft, fleshy stems with shiny oval leaves (3 – 6 cm), rooting at the nodes wherever stems contact the soil. Small white three-petaled flowers appear in spring–summer. It rarely sets viable seed in New Zealand and spreads almost entirely through stem fragments.

Mats reach 30–50 cm thick, suppressing pasture, lawn, ornamental, and native seedlings. Contact with foliage can cause allergic skin reactions in dogs and other animals. Once established, it is very difficult to eradicate.

Spread occurs via:

- Stem fragments moved by mowing or slashing
- Garden waste dumping
- Floodwaters carrying fragments downstream



- Machinery, vehicles, and footwear
Stems are brittle and do not dry out readily – even tiny fragments can regrow.

Habitat

Common throughout New Zealand – particularly the North Island – in moist, sheltered locations. Prefers shade but persists in partial sun once established.

Commonly found in:

- Native bush margins and forest remnants
- Stream banks, drains, and damp gullies
- Shaded fence lines and shelter belts
- Garden beds and under trees

Manual Removal

Manual removal is **only suitable for very small infestations**. Plants are shallow-rooted but any remaining fragments will regrow rapidly. All removed material must be buried deeply (30–50 cm) or dried and burnt – do not compost or mulch – stem nodes survive composting. Not practical for large infestations.

Herbicide Control

OUR SPECIALITY

Spraying is the preferred method for controlling larger infestations of Wandering Jew.

Optimal Timing

- Treat during **active growth**
- Spring through early autumn (warm conditions best)
- Repeat applications are commonly required

SPOT SPRAYING OR KNAPSACK

Lifestyle blocks, gardens, reserves

preferred option **TRICLO Herbicide** 60mL + **SuperWetter** at 10mL per 10L water. This is the most effective option with rapid brown-out and best applied during warmer months (approx. Oct – March).

Glyphosate options (use where soil residues are undesirable or near waterways):

Glyphosate 360 200mL + **SuperWetter** at 10mL per 10L water

Glyphosate 540 130mL + **SuperWetter** at 10mL per 10L water

Granny Herbicide 90g + **SuperWetter** at 10mL per 10L water

Note: Glyphosate options are best when you don't want any soil residues, and when you are spraying close to waterways (say 5 metres). **Do not spray directly into water**. Control is slower than TRICLO and regrowth is more likely, so follow-up spraying should be expected.



MSF600 + Glyphosate MSF600 at 5g + **Glyphosate 360** at 100mL + **SuperWetter** at 10mL per 10L water. This is more effective than glyphosate alone with reduced regrowth. **Do not use near waterways**, as **MSF600** can damage aquatic plants even at very low concentrations.

Combination treatments

Combining **TRICLO Herbicide with Glyphosate 360, Glyphosate 540, or Granny Herbicide** in a single spray has shown excellent results in difficult infestations, based on customer experience.

BOOM SPRAYING

Farm margins, reserves, contractor application

Apply the above products at equivalent per-hectare rates based on spray volume. Ensure thorough coverage of the mat surface, as dense growth can shield lower foliage. Repeat applications are often required.

CUT STUMP / GEL APPLICATION

Fence lines, garden beds, individual plants



Cut'n'Paste Glimax Professional or **Cut'n'Paste Bamboo Buster** Apply a 4 – 5 mm bead of gel to the freshly cut stem or stump. Effective and easy to use where spraying is impractical. Commonly used in gardens, bush margins, and sensitive areas.

Important Notes

- Complete spray coverage is critical
- Dense mats often require repeat treatment
- Do not mow or disturb treated areas until fully dead
- One or more follow-up applications are usually required to fully eradicate regrowth

Everything You Wanted to Know About Foliar Fertilisers...

...but were too busy to ask during the growing season

"Foliar fertilisation" gets thrown around in farming circles quite a bit without anyone always stopping to explain what's actually going on. So here's the full version — the what, the why, the where it helps, and where it doesn't. Good winter reading.

The basic idea

Foliar fertilisation is exactly what it sounds like: you dissolve nutrients in water, spray them onto the leaves, and the plant absorbs them directly through the leaf surface. The nutrients bypass the soil entirely and go straight into the plant's vascular system.

Leaves take things in mainly through their stomata – the tiny pores that open and close to manage gas exchange and water loss. But nutrients can also sneak through micropores in the cuticle (the waxy coating on the leaf surface) and sometimes through small cracks in the epidermis. Once inside, the plant's own plumbing moves those nutrients to wherever they're needed.

And yes – whatever drips off the leaf hits the soil, and roots can still pick that up too. So there's a bit of a double-dip happening there, which doesn't hurt.

This isn't new, for what it's worth

People have been fertilising via the leaf for longer than you might expect. It started gaining real scientific traction in the 1950s, when a researcher at Michigan State University named Dr. H.B. Tukey began seriously investigating how leaves absorb substances. Until then, most people assumed leaves were pretty passive surfaces. Tukey's work helped establish that they're actually quite good at taking things in, which rather changed the conversation.¹

Since then, decades of research have built a solid case for both when and how it works. It's now used widely in horticulture, viticulture, orchards, arable cropping, and increasingly in pasture systems. The products have got better too, which helps.

Where foliar genuinely has the edge

There are some situations where spraying nutrients onto leaves is genuinely the smarter move. Not because of marketing hype – there's actual science behind this.

Speed, when you actually need it

When a plant is showing deficiency symptoms – yellowing, poor growth, the general look of something that's not having a great time – you often don't have the luxury of waiting weeks for soil-applied nutrients to work their way through the system. Foliar application can produce a visible response within days. During critical periods like flowering or fruit set, or when a plant is already stressed, that speed matters quite a bit.

Getting around the soil's awkward chemistry

Soil is not a simple medium. It's a complicated chemical and biological system that interacts with everything you put into it, and not always helpfully. High-pH soils lock up iron, manganese, and zinc. Heavily leached soils lose mobile nutrients like nitrogen and sulphur before plants can get to

them. Compacted soils restrict root access. Soils with high phosphorus-fixing capacity – which is a real issue in parts of New Zealand, particularly soils with high allophane content – can grab phosphorus and hold it in forms that plants simply can't use.

Foliar application sidesteps all of that. The nutrient goes directly to the plant without having to navigate the soil chemistry first. This is particularly well-documented with micronutrients – elements like iron, zinc, boron, and manganese that can be sitting right there in the soil but effectively unavailable depending on conditions.

The efficiency numbers – with some important footnotes

This is where it gets interesting, and where we'd be doing you a disservice if we just quoted the big numbers without context.

Some research has suggested that foliar-applied nutrients can achieve significantly higher uptake efficiency than soil application – with some estimates for nitrogen ranging considerably higher than the roughly 10% recovery rates often cited for conventional soil fertilisation under suboptimal conditions. The numbers vary depending on the crop, conditions, and how efficiency is measured, so treat the more dramatic figures with a degree of scepticism. But the direction of the finding is consistent: in the right circumstances, foliar application can be meaningfully more efficient.²

A 2021 peer-reviewed study by Ferrari et al., published in the journal *Agronomy*, compared conventional soil nitrogen fertilisation with whole-dose foliar nitrogen application in wheat over two growing seasons in Northern Italy. It found that foliar application achieved high canopy nitrogen retention (76–85%), improved grain protein content and gluten quality, and reduced the total nitrogen applied by 25–40% compared to conventional soil management – with expected environmental benefits from reduced nitrogen leaching. Yield was maintained. The study also noted that foliar nutrition offered agronomic advantages specifically under dry periods, when soil uptake becomes less reliable.²

Roots, oddly enough, also benefit

This one surprises people. Research from the University of Bologna (Dr. Nino Rossi, among others) has found that foliar nutrition can actually stimulate root development. The mechanism makes sense when you think about it: a better-nourished root system can send more carbohydrates and other compounds downward to support root growth. Better roots mean better soil uptake. So the foliar application isn't replacing soil uptake so much as creating conditions for more of it.

Works when the soil is dry and uncooperative

Root uptake depends on water moving through the soil toward the root surface. When the soil dries out, that process slows dramatically – even if the nutrients are present, they can't reach the roots efficiently. Foliar feeding operates independently of soil moisture. This is why it's particularly valued during drought stress, and why the Ferrari wheat study found such a clear efficiency advantage specifically in dry conditions.²

For full details on Rainbow & Brown products, including current prices, labels, directions for use, and safety info, go to www.rainbowbrown.co.nz

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

Where soil fertilisation still wins, and it does

We're not going to pretend foliar fertilisation is the answer to everything. It isn't, and we'd be slightly embarrassed to suggest otherwise. Here's where soil application is simply better:

- Bulk macronutrient demand. Plants need a lot of nitrogen, phosphorus, and potassium – far more than leaves can realistically take up without the risk of doing damage. Foliar works well as a top-up or a correction tool, but it can't shoulder the full load for macronutrients at scale.
- Long-term fertility building. Soil fertilisers – especially slow-release and organic types – build reserves that carry over season to season. They feed the soil biology, improve structure, and create lasting fertility. You can't build organic matter by spraying leaves, no matter how enthusiastically you do it.
- Soil biology. Fertilising the soil feeds microbial communities that are doing an enormous amount of useful work – breaking down organic matter, cycling nutrients, fixing nitrogen. That ecosystem matters hugely to long-term productivity and foliar feeding doesn't directly support it.
- Practicality at scale. For large areas, broadcasting or incorporating soil fertilisers is often simply more practical. The logistics of spraying foliar at the right time, in the right conditions, over many hectares adds real complexity.

The things that can go wrong (and they can)

It's only fair to be upfront about the limitations. There are a few.

- Leaf burn. If concentrations are too high, or conditions are wrong – hot, dry, blazing sun – foliar sprays can damage the very leaf tissue you're trying to help. Formulation and timing are not details you can afford to ignore.
- Weather dependence. Rain shortly after application washes nutrients off before they're absorbed. High temperatures or direct sun can close stomata and cause rapid evaporation, dramatically reducing uptake. You need a reasonable window of moderate conditions – not always a given in a NZ summer.
- Timing. For best uptake, stomata should be open – typically early morning or late afternoon, under reasonable humidity. It's a more demanding application than lobbing something on the ground and hoping for rain.
- Not all plants are equally cooperative. Species with thick, waxy cuticles absorb less through the leaf surface. What works brilliantly on one crop may be less effective on another.
- It doesn't fix a neglected soil. If your soil is depleted, poorly structured, or biologically flat, no amount of leaf spraying will address that. Foliar nutrition is a complement to a solid soil programme, not an escape from one.

So what's the sensible approach?

The research and practical experience both point in the same direction. Use both. Your soil programme does the heavy lifting – building long-term fertility, feeding the biology, supplying the bulk of macronutrient demand across the season. Foliar applications are the precision tool you reach for when conditions call for it.

A micronutrient deficiency showing up mid-season. A crop

under stress that needs a fast response. A situation where soil uptake is compromised by pH, moisture, or compaction. A critical growth stage where you want to push things along without waiting for the soil to cooperate. Those are the moments where foliar earns its place.

This “*split application*” approach – soil as the foundation, foliar as the supplement – is what the science broadly supports, and what the people who actually do this well tend to land on.

A decent time to think about it

Which is perhaps the most honest summary of foliar fertilisation we can offer. It's not a revolution. It's not a gimmick. It's a genuinely useful addition to the toolkit, in the right circumstances, for the right reasons.

And winter is a reasonable time to think about whether those circumstances might apply to you. We're happy to talk it through.

If you're thinking about giving foliar a go, or just want to trial something on a block before committing, give us a call. We're happy to put together a trial order deal from our foliar range, which includes:

- **BioTreat Amino-80** – plant-based nitrogen and amino acids. A good option if you're looking for an organic-friendly nitrogen source that the plant can take up quickly through the leaf.
- **BioTreat K-Mate** – potassium humate containing humic acid, potassium, and fulvic acid. Useful where you want to combine potassium delivery with the soil-conditioning benefits of humates.
- **Seaweed Micro-Gran** – soluble seaweed microgranules. Seaweed extracts are well regarded for their trace element content and plant growth stimulant properties, and this is a convenient, easily dissolved form.
- **Nitrosol range** – including Nitrosol Oceanic, Original, and Nitrogen Boost. A well-established range with options suited to different situations; worth a conversation if you're not already familiar with it.
- **BioCharge Carbon Boost** – a new product we've recently released, and you can read more about this in our March to May issue or on the product listing on our website.



References

1. Tukey, H.B. and Wittwer, S.H. (1956). The entry of nutrients into plants through stem, leaf and fruit, as indicated by radioactive isotopes. *Progress in Nuclear Energy Biological Sciences, Series Six*, pp. 106–114. McGraw-Hill, New York.
2. Ferrari, M., Dal Cortivo, C., Panozzo, A., Barion, G., Visioli, G., Giannelli, G. and Vamerali, T. (2021). Comparing Soil vs. Foliar Nitrogen Supply of the Whole Fertilizer Dose in Common Wheat. *Agronomy*, 11(11), 2138. <https://doi.org/10.3390/agronomy11112138>

For full details on Rainbow & Brown products, including current prices, labels, directions for use, and safety info, go to www.rainbowbrown.co.nz

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

HERBICIDES

WHACK - 2,4-D 800 800g/kg 2,4-D dimethylamine salt as water soluble granules		ACVM No P010296		
	Non-volatile, non-smelly, easy to handle water soluble micro granules for broadleaf weed control in cereals and pasture. Similar or equivalent to: Baton 800WSG³	5kg	\$100.00	\$115.00
		10kg (2x5kg)	\$190.00	\$218.50
		15kg (3x5kg)	\$248.70	\$286.00
BUCKSHOT 20g/kg PICLORAM granules		ACVM No P7717		
	For direct dry granule, spot application of broadleaf, erect, and brush weeds. Similar or equivalent to: Triumph 2G¹	1kg Foil Pack	\$30.00	\$34.50
		5kg(5x1kg)	\$64.00	\$73.60
		10kg (10X1kg)	\$121.00	\$139.15
		20kg (20X1kg)	\$230.00	\$264.50
DECISION 800g/kg FLUMETSULAM in a water dispersible granule		ACVM No P8368		
	Clover friendly, buttercup and general weed control in pasture, lucerne, chicory and maize. Similar or equivalent to: - Aim⁴ - Preside² - Synergy Flumet¹ - Valdo 800 WG⁵	200g	\$79.00	\$90.85
		500g	\$135.00	\$155.25
		1kg (2x500g)	\$229.00	\$263.35
		2kg (4X500g)	\$419.00	\$481.85
DICAMBA 500 SL 500 g/l DICAMBA as the dimethylamine salt in the form of a soluble concentrate		ACVM No P9919		
	A selective herbicide for the control of certain broadleaf weeds in cereals, maize, some forage brassicas, pasture and waste areas. Similar or equivalent to: - Kamba 500³ - Cutlass Herbicide²⁸ - Bandit¹ (only 480g/L strength compared to our 500g/L) - Dicam 480 4 (only 480g/L strength compared to our 500g/L)	1L	\$60.00	\$69.00
		5L	\$184.00	\$211.60
		20L (4X5L)	\$495.00	\$569.25
		20L JERRY	\$495.00	\$569.25
		200L DRUM	POA	POA
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. Similar or equivalent to - Buster⁶ - Bash¹ - Biffo⁵	5L	\$53.04	\$61.00
		10L (2 x 5L)	\$100.87	\$116.00
		20L (4 x 5L)	\$184.78	\$212.50
		200L DRUM	POA	POA
GLYPHOSATE 360 360g/L GLYPHOSATE as the isopropylamine salt		ACVM No P5441		
	Non-selective herbicide for spraying out pasture, and general weed control. Similar or equivalent to: - Orion Glyphosate 360¹ - Weedmaster 360⁵ - Synergy Glyphosate 360¹ - Roundup 360 Pro⁷ (no longer sold in NZ)	5L	\$58.26	\$67.00
		10L (2 x 5L)	\$104.35	\$120.00
		20L JERRYCAN	\$139.13	\$160.00
		20L (4 x 5L)	\$139.13	\$160.00
		200L DRUM	POA	POA
		1,000L IBC	POA	POA
GLYPHOSATE 540 540g/L GLYPHOSATE as the potassium salt		ACVM No P9770		
	High strength, improved technology, non-selective herbicide for general weed control and pasture spray out. Similar or equivalent to: - Synergy Glyphosate 540¹ - G-Force Max¹ - Roundup UltraMax⁷ (this is a 570g/L product) - Weedmaster TS540³ - Machette 540⁸	1L	\$27.83	\$32.00
		5L	\$91.30	\$105.00
		10L (2 x 5L)	\$139.13	\$160.00
		20L (4 x 5L)	\$195.65	\$225.00
		20L JERRYCAN	\$195.65	\$225.00
		200L DRUM	POA	POA
		1,000L IBC	POA	POA
GRANNY 800g/kg GLYPHOSATE as the monoammonium salt		ACVM No P7499		
	Non-selective herbicide for spraying out pasture, and general weed control. Similar or equivalent to: - Roundup Dry⁷ (lower strength at only 680g/kg active) - Cropstar Glyphosate 680 Granules⁷ (lower strength at only 680g/kg active)	2.25kg JAR	\$43.48	\$50.00
		4.5kg	\$75.65	\$87.00
		9kg (2 x 4.5Kg)	\$114.78	\$132.00
		13.5kg (3 x 4.5Kg)	\$152.17	\$175.00

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

HERBICIDES

GRASSMATE 300g/L TRICLOPYR as the butoxy ethyl ester plus 100g/L PICLORAM as the amine salt in the form of an EC		ACVM No P7417		
	For control of brushweeds, broadleaf and erect weeds in pasture. Similar or equivalent to: • Conquest³ • Tordon Brushkiller² (no longer available) • Eliminate Brushkiller⁴ • Synergy Brushkiller¹ • Triumph Brushkiller¹	1L	\$66.09	\$76.00
		2L	\$114.78	\$132.00
		5L	\$170.87	\$196.50
		10L (2 x 5L)	\$316.09	\$363.50
		20L (4 x 5L)	\$494.78	\$569.00
		20L JERRYCAN	\$494.78	\$569.00
		200L DRUM	POA	POA
		1,000L IBC	POA	POA
HALOX 100 EC 100g/L HALOXYFOP-P present as the methyl ester in the form of an emulsifiable concentrate		ACVM No P9925		
	Herbicide for control of grass weeds in white clover, forestry, orchards, nurseries, non-crop areas and certain broadleaf crops. Similar or equivalent to: • Scorp EC²⁹ • Hurricane¹ • Ignite²⁷	1L	\$59.00	\$67.85
		2L	\$94.00	\$108.10
		5L	\$175.00	\$201.25
		20L (4 x 5L)	\$510.00	\$586.50
LAWNMATE 200g/L 2,4-D plus 100g/L dicamba as amine salts in the form of a soluble concentrate				
	Selective herbicide for the control of many broadleaf weeds in lawn, turf and waste areas. DO NOT USE ON PASTURE OR CROPLAND Similar or equivalent to: • Lawnclean³⁹ • Banvine³¹ • Grosafe Garden Lawn Guard⁸ (half our strength) • Yates Woody Weedkiller¹² (half our strength)	1L	\$34.78	\$40.00
		5L	\$73.91	\$85.00
		20L (4x5L)	\$265.22	\$305.00
MCPA 750 750g/L MCPA dimethylamine salt as a water soluble concentrate		ACVM No P8173		
	For control of thistles and other broadleaf weeds in pasture and cereal Similar or equivalent to: • Agritone 750³ • Maestro² • Orion MCPA 750¹ • Synergy MCPA 750¹ • Pasture Guard MCPA 750⁴	2L	\$78.00	\$89.70
		5L	\$109.13	\$125.50
		10L (2 x 5L)	\$154.78	\$178.00
		20L (4 x 5L)	\$254.78	\$293.00
		200L DRUM	POA	POA
MSF600 Gorse & Brush Spray 600g/kg METSULFURON METHYL in the form of a soluble granule		ACVM No P7027		
	Low-cost control of gorse and other scrub weeds in pasture, waste areas, and forestry. Similar or equivalent to: • Associate 600WSG³ • Escort⁹ (no longer available but well-known by farmers) • Apache² • Mustang¹ • Synergy MET600¹ • Eradicate 600⁴ • Answer⁹ (lower strength – only 200g/kg compared to 600g/kg)	200g	\$32.00	\$36.80
		500g	\$38.00	\$43.70
		1kg (2 x 500g)	\$60.00	\$69.00
		2kg	\$100.00	\$115.00
		10kg (5 x 2kg)	\$480.00	\$552.00
		30kg +	POA	POA
PASTUREMATE MCPB 375g/L and MCPA 25g/L both as sodium salts in the form of a soluble concentrate.		ACVM No P10431		
	Great product for controlling broadleaf weeds in both young and established pasture and is clover friendly. Similar or equivalent to: • Pasture Star Herbicide³⁵ • Thistrol Plus³ • Pasture Guard Nurture⁴ • Tandem¹	5L	\$128.70	\$148.00
		20L (4x5L)	\$399.13	\$459.00
		200L DRUM	POA	POA
RALID 300g/litre clopyralid as the trisopropanolamine salt in the form of a soluble concentrate		ACVM No P8963		
	A broad spectrum herbicide for thistles and certain broadleaf weeds for use on various crops, pasture, turf and forest areas. Similar or equivalent to: • Cobber¹³ (our old product no longer produced) • Void³² • Diablo⁸	5L	\$152.17	\$175.00
		20L (4x5L)	\$591.30	\$680.00

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

HERBICIDES

RANGER 750g/kg THIFENSULFURON METHYL in the form of a water dispersible granule

ACVM No P7668

PROMO



For the control of buttercup and docks in pasture and cereal crops.

Similar or equivalent to:

- Charter 750WDG³
- Chord¹
- Synergy Thifen 750¹
- Backup⁴
- Harmony¹⁰ (lower strength – only 500g/kg compared to 750g/kg)

Pack	+GST	Inc.GST
100g	\$49.57 \$55.00	\$57.00 \$63.25
500g (5 x 100g)	\$184.35 \$205.00	\$212.00 \$235.75
1kg (10x100G)	\$360.00 \$400.00	\$414.00 \$460.00
5kg +	POA	POA

TERBGUARD 500g/L terbuthylazine in the form of a suspension concentrate



For the control of weeds in forestry and non-croplands areas. Great for lifestyle block users or small forestry areas.

DO NOT USE ON PASTURE OR CROPLAND.

Similar or equivalent to:

- AGPRO Terbuthylazine 500³⁹
- Nufarm Terbuthylazine 500SC⁵
- Timberwolf 500 SC Herbicide³⁵
- Assett¹

5L	\$92.00	\$105.80
10L (2 x 5L)	\$184.00	\$211.60
20L (4 x 5L)	\$240.00	\$276.00

DOUBLESLOT 388g/L terbuthylazine and 112g/L glyphosate in the form of a suspension concentrate



For non-selective weed control in waste areas, driveways and other non-cropland areas.

DO NOT USE ON PASTURE OR CROPLAND.

Similar or equivalent to:

- AGPRO Terminate³⁹
- TAG G2³³ (TAG G2 has two extra active ingredients)

5L	\$120.00	\$138.00
20L (4x5L)	\$349.00	\$401.35

TRICLO 600g/L TRICLOPYR as the butoxy ethyl ester

ACVM No P7189



For the control of brushweeds, broadleaf and erect weeds in pasture and kikuyu in lawns.

Similar or equivalent to:

- Grazon²
- Scrubcutter³
- Brush-off¹
- Eliminate⁴

1L	\$79.00	\$90.85
2L	\$110.00	\$126.50
5L	\$190.00	\$218.50
10L (2 x 5L)	\$290.00	\$333.50
20L (4 x 5L)	\$480.00	\$552.00

ORIGINAL 120g/L GLYPHOSATE as the isopropylamine salt



Glyphosate gel for the treatment of cut stumps.

Key competitor products:

- Kiwicare Weed Weapon Invade Gel² (lower strength-only 100g/L compared to our 120g/L)
- Yates Zero Rapid Gel¹² (lower strength-only 40g/L compared to our 120g/L)
- RoundUp Gel⁷ (this product is only a low 7.2g/L compared to our 120g/L)

450ml (490g)	\$24.17	\$27.80
12 x 450ml	\$237.60	\$273.24
5L	\$200.87	\$231.00
20L (4 x 5L)	\$720.00	\$828.00

BAMBOO BUSTER 240g/L GLYPHOSATE as the isopropylamine salt



Ready to use gel for control of Bamboo, privet and other scrub weeds or trees.

Key competitor products:

- Kiwicare Weed Weapon Invade Gel² (lower strength-only 100g/L compared to our 240g/L)
- Yates Zero Rapid Gel¹² (lower strength-only 40g/L compared to our 240g/L)
- RoundUp Gel⁷ (this product is only a low 7.2g/L compared to our 240g/L)

450ml (490g)	\$29.09	\$33.45
12 x 450ml	\$270.60	\$311.19
5L	\$258.50	\$297.28
20L (4 x 5L)	\$960.00	\$1,104.00

GLIMAX PROFESSIONAL 400g/L GLYPHOSATE as the isopropylamine salt



Super strength glyphosate gel for professionals

Key competitor products:

- Kiwicare Weed Weapon Invade Gel² (lower strength-only 100g/L compared to our 400g/L)
- Yates Zero Rapid Gel¹² (lower strength-only 40g/L compared to our 400g/L)
- RoundUp Gel⁷ (this product is only a low 7.2g/L compared to our 400g/L so not really in the same league)

450ml (540g)	\$36.17	\$41.60
12 x 450ml	\$341.00	\$392.15
5L	\$315.70	\$363.06
20L (4 x 5L)	\$1,150.00	\$1,322.50

METGEL 10g/L METSULFURON METHYL in a gel



Ready to use metsulfuron based gel. Great if you want to avoid using glyphosate

Key competitor products:

- Rainbow & Brown MSF600¹³ (designed to be sprayed is 600g/kg and not a gel)
- Escort⁹ (also designed to be sprayed and is not a gel)
- Mustang¹ (also designed to be sprayed and is not a gel)

450ml (490g)	\$34.17	\$39.30
12 x 450ml	\$319.00	\$366.85
5L	\$291.50	\$335.23
20L (4 x 5L)	\$996.00	\$1,145.40

For full details on Rainbow & Brown products, including current prices, labels, directions for use, and safety info, go to www.rainbowbrown.co.nz

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

HERBICIDES

PICLORAM 43g/kg PICLORAM as the potassium salt in a gel				
	Ready to use gel for control of bamboo, privet and other woody weeds that respond well to picloram Key competitor products: - Vigilant Gel ² (same active and strength but now replaced with Vigilant 11 Gel) - Triumph Gel ¹	450ml (490g)	\$27.78	\$31.95
		12 x 450ml	\$253.00	\$290.95
		5L	\$243.65	\$280.20
		20L (4 x 5L)	\$880.00	\$1,012.00
PICLORAM PLUS 44.7g/kg picloram as the potassium salt and 4.47g/kg aminopyralid as the triisopropylamine salt, in the form of a gel				
	Ready to use gel containing two active ingredients targeting weeds in different ways to produce a more effective and long-lasting result. Key competitor products: Vigilant™ II ⁽³¹⁾	450ml	\$30.26	\$34.80
		12 x 450ml	\$308.61	\$354.90
		5L	\$265.57	\$305.41
CUT'N'PASTE ACCESSORIES				
	Accessories to the Cut'n'Paste range. CUT'N'PASTE – BOTTLE EMPTY CUT'N'PASTE – PUMP AND CAP FOR 5L CUT'N'PASTE – BRUSH CAP	Unit	\$4.65	\$5.35
		Unit	\$29.00	\$33.35
		Unit	\$3.00	\$3.45

PENETRANTS/WETTERS/STICKERS

BIOWET Canola oil based, natural spray oil sticker and spreader				
	General purpose, all-natural crop oil and sticker	5L	\$52.00	\$59.80
	Key competitor products: - Codacide¹⁴ - Driftex¹⁵ - Hasten⁶ - Kiwi Cover¹	20L (4 x 5L)	\$180.00	\$207.00
		20L JERRYCAN	\$160.00	\$184.00
		200L DRUM	POA	POA
		1,000L IBC	POA	POA
SPRAYWETTER 100% NON-IONIC SURFACTANT wetter penetrant (previously also sold as GIBB-GRO WETTER)				
	Maximises herbicide performance in all situations	1L	\$39.00	\$44.85
	Key competitor products: - Contact Xcel³ - Surewet 1000¹ - Widespread 1000⁴	2L	\$45.00	\$51.75
		5L	\$85.00	\$97.75
		10L (2 x 5L)	\$140.00	\$161.00
		20L (4 x 5L)	\$220.00	\$253.00
SUPERWETTER 100% ORGANOSILICONE wetter penetrant				
	When enhanced penetrant and wetting power is required	1L	\$37.39	\$43.00
	Key competitor products: - Pulse Penetrant³ - Supersil³ - Accelerate⁴ - Silmaxx¹	2L	\$59.13	\$68.00
		5L	\$106.09	\$122.00
		20L (4 x 5L)	\$350.00	\$402.50
		20L JERRYCAN	\$350.00	\$402.50
		200L DRUM	POA	POA
		1,000L IBC	POA	POA
FOAM CRUSHER - Super concentrated anti-foaming agent for agricultural chemicals				
	Reduces foaming when tank mixing agrichemicals.	300ml	\$20.00	\$23.00
	Key competitor products: - Foam Wrecker³ (1-5ml/100L - similar usage rates) - Antifoam A⁸ (10-100ml/100L - much higher rate needed) - Foamex²⁷ (10-30ml/100L - much higher rate needed)	1L	\$40.00	\$46.00
		5L	\$100.00	\$115.00

FERTILISERS AND SOIL HEALTH

		Pack	+GST	Inc.GST
BIOCHARGE CARBON BOOST Biological soil foundation for stronger pasture, better nutrient efficiency, and long-term soil resilience.				
	A New Zealand-made biological soil brew combining charged biochar, fish hydrolysate, and seaweed to help reset soil biology and improve system performance. Designed as a foundation treatment rather than a fertiliser replacement, BioCharge supports soil structure, microbial activity, moisture handling, and nutrient efficiency – helping existing inputs work more consistently while building long-term soil function.	1,000L IBC	\$2,600.00	\$2,990.00
BIOTREAT AMINO-80 16-0-0-0 – Nitrogen (N) as enzymatic amino acids				
	BIO-GRO certified organic fertiliser and biostimulant containing 80% amino acids, 16% organic nitrogen, and 17 critical amino acids.	20KG	\$180.00	\$207.00

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 +GST. Some conditions apply.

FERTILISERS AND SOIL HEALTH

BIOTREAT FERTILISER TABLETS *Slow release tree & shrub tablets*



Convenient to use, slow release NPK fertiliser tablets for orchards, forestry, nurseries, ornamentals and natives.

Key competitor products:

- Silvamix Fertiliser Tablets ¹⁶
- Daltons Premium Planter Tabs ¹⁷

Pack	+GST	Inc.GST
1kg (90 tablets)	\$15.65	\$18.00
5kg (450 tablets)	\$54.78	\$63.00
10kg (900 tablets)	\$90.00	\$103.50
100kg or more	POA	POA

BIOTREAT LAWN, FRUIT AND VEGGIE FERTILISER *NPK 12-6-12 with added seaweed and organic matter*



Contains both quick and slow acting forms of nitrogen plus seaweed and organic matter to promote healthy lawns, fruit & veggies.

Key competitor products:

- Tui Lawn Fertiliser ¹⁸
- Yates Lawn Master ¹²

5kg foil bag	\$30.00	\$34.50
20kg (4 x 5kg)	\$100.00	\$115.00
100kg or more	POA	POA

BIOTREAT K-MATE *Potassium humate, humic acid, fulvic acid (previously also sold as GIBB-GRO POTASSIUM HUMATE)*



Natural soil conditioner providing carbon to soil microbes, improve soil structure, water holding ability and improve pasture quality and growth.

Key competitor products:

- Many humic acid, liquid humate and powdered humate and potassium humate products

2kg foil bag	\$19.00	\$21.85
10kg	\$54.00	\$62.10
1MT (100 x 10kg)	POA	POA

GIBBER900 *(900g/kg gibberellic acid)*

ACVM No. P8002



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

Similar or equivalent to:

- OmniGibb ²¹
- GibbGro ²²
- ProGibb ²³ (only 40% strength compared to our 90%)

45g	\$34.78	\$40.00
90g	\$65.22	\$75.00
270g	\$170.00	\$195.50
810g (3 x 270g)	\$499.13	\$574.00
1kg	\$590.00	\$678.50

GIBBGRO *(Gibberellic Acid 90%)*

ACVM No P8012



High-strength, water-soluble, growth promoter.

Key competitor products :

- Pro-Gibb ²³ (only 40% compared to our 90%)
- OmniGibb ²¹

250g	\$150.00	\$172.50
500g	\$300.00	\$345.00
1kg	\$590.00	\$678.50

SEAWEED TREAT – MICRO-GRAN *Concentrated seaweed*

20% OFF



Water-soluble concentrated seaweed made from the *Ascophyllum nodosum* species grown in the cold North Atlantic ocean. Use to boost pasture growth or as an animal supplement.

Key competitor products:

- Arcadian Seaplants Soluble Seaweed Extract ²⁴
- AgriSea ²⁰ – various seaweed products

150g	\$8.00	\$10.00	\$9.20	\$11.50
1kg	\$16.00	\$20.00	\$18.40	\$23.00
5kg (5X1kg)	\$76.00	\$95.00	\$87.40	\$109.25
10kg (10X1kg)	\$152.00	\$190.00	\$174.80	\$218.50
20kg (20X1kg)	\$271.30	\$339.13	\$312.00	\$390.00
20kg BULK	\$264.00	\$330.00	\$303.60	\$379.50
100kg (5X20kg)	\$1,112.00	\$1,390.00	\$1,278.80	\$1,598.50

FULVEX 9500 *95% Pure Fulvic Acid*

ACVM No P8012



A natural chelator derived from organic matter decomposition. Fulvex 9500 binds with minerals and trace elements, converting them into forms plants readily absorb and utilise.

20kg	\$154.00	\$177.10
------	----------	----------

ENERGHI Triacantanol *Natural Plant Growth Regulator*

ACVM No P8012



Advanced plant stimulant to lift pasture performance, enhance stress recovery, and drive stronger root and tiller development.

2.5L	\$325.00	\$373.75
5L	\$650.00	\$747.50

NITROSOL – FERTILISERS

NITROSOL ORIGINAL *Concentrated Blood and Bone Liquid Fertiliser– NPK 11-5-7*



Traditional 'blood and bone' fertiliser with added minerals and trace elements. Great for horticultural use.

Key competitor products:

- Tui Blood & Bone ²⁵ (in a powder form)
- Synerlogic – Liquid Blood & Bone ²⁶

Note: 200lt / 1000lt Shipped ex Auckland not Rotorua. No free freight sorry.

Pack	+GST	Inc.GST
1L	\$26.09	\$30.00
5L	\$73.04	\$84.00
20L (4X5L)	\$284.00	\$326.60
200L DRUM	\$1,063.00	\$1,222.45
1,000L IBC	\$5,082.00	\$5,844.30

For full details on Rainbow & Brown products, including current prices, labels, directions for use, and safety info, go to www.rainbowbrown.co.nz

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

NITROSOL – FERTILISERS

NITROSOL OCEANIC Deep Sea Fish Blood & Bone Liquid Fertiliser – NPK 11-5-7



For use on pasture or crops grazed by ruminants. Meets MPI requirements.

Key competitor products:

- Yates Thrive Fish Blood & Bone ¹²
- Many other seaweed and fish fertilisers

Note: 200lt / 1000lt Shipped ex Auckland not Rotorua. No free freight sorry.

Pack	+GST	Inc.GST
1L	\$26.09	\$30.00
5L	\$77.39	\$89.00
20L (4 x 5L)	\$304.00	\$349.60
200L DRUM	\$1,089.00	\$1,252.35
1,000L IBC	\$5,197.00	\$5,976.55

NITROSOL ORGANIC BioGro approved Fish based Liquid Fertiliser – NPK 6-1-3



BioGro approved Meets MPI requirements for use on pasture.

Key competitor products:

- Many other seaweed and fish fertilisers

Note: 200lt / 1000lt Shipped ex Auckland not Rotorua. No free freight sorry.

5L	\$98.00	\$112.70
20L (4 x 5L)	\$336.00	\$386.40
200L DRUM	\$1,098.00	\$1,262.70
1,000L IBC	\$5,255.00	\$6,043.25

NITROSOL NITROGEN BOOSTER Liquid Nitrogen as a blend of organic and inorganic Nitrogen



A balanced blend of Nitrogen that can be taken up by plant and pasture foliage.

Key competitor products:

- Urea
- Many other liquid and solid fertilisers

Note: Shipped ex Auckland not Rotorua. No free freight sorry.

5L	\$48.70	\$56.00
20L (4 x 5L)	\$184.00	\$211.60
200L DRUM	\$747.00	\$859.05
1,000L IBC	\$3,444.00	\$3,960.60

NITROSOL BLENDS Oceanic & Nitrogen Booster Blend



Oceanic and Nitrogen blend provides extra nitrogen along with Oceanic's full nutrient profile.

Key competitor products:

- Yates Thrive Fish Blood & Bone ¹²
- Many other liquid and solid fertilisers, as well as seaweed and fish fertilisers
- Urea

Note: Shipped ex Auckland not Rotorua. No free freight sorry.

200L DRUM	\$1,001.00	\$1,151.15
1,000L IBC	\$4,563.00	\$5,247.45

NITROSOL ECOGRO Organic Plant-Based Fertiliser – NPK 11-5-9



Liquid, natural, plant-based fertiliser created from vegetable protein along with trace elements and minerals.

Note: Shipped ex Auckland not Rotorua. No free freight sorry.

20L (4 x 5L)	\$366.00	\$420.90
100L	\$718.00	\$825.70
200L DRUM	\$1,129.00	\$1,298.35
1,000L IBC	\$5,247.00	\$6,034.05

NITROSOL MAGSULPHATE Liquid Natural Fertiliser – NPK 11-5-10



Recommended when the soil test and/or herbage test indicate deficiencies in magnesium or sulphur.

Note: Shipped ex Auckland not Rotorua. No free freight sorry.

200L DRUM	\$330.00	\$379.50
1,000L IBC	\$1,563.00	\$1,797.45

NITROSOL TOMATO Liquid Natural Fertiliser – NPK 11-5-10



Balanced nutrition with extra potassium for tomatoes, and other vegetables and berries.

Key competitor products:

- Yates Thrive Tomato Liquid Plant Food ¹²
- Kings Liquid Tomato Food Liquid Fertiliser ³⁴

1L	\$26.09	\$30.00
----	---------	---------

NITROSOL TURFXPERT Liquid Turf & Lawn Fertiliser – NPKS 8-0-0-.6 plus Iron 1% & Amino Acids 5%



Achieve a thicker, greener, and stronger lawn with Nitrosol TurfXpert, the advanced liquid fertiliser designed to fuel deep root growth, enhance resilience, and promote long-lasting vitality.

Perfect for home lawns, sports fields, and professional landscapes.

5L	\$60.86	\$69.99
20L (4 x 5L)	\$243.39	\$279.90

SPRAY MARKER DYES

BEEN THERE Red Spray Marker Dye



A concentrated red spray marking solution to show where you have sprayed.

Key competitor products:

- Ravensdown Assist Easy Red ⁴
- Envirodye Red ¹⁵
- Synergy Red Dye ¹

Pack	+GST	Inc.GST
1L	\$43.00	\$49.45
5L	\$172.00	\$197.80
20L (4 x 5L)	\$630.00	\$724.50

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 +GST. Some conditions apply.

SPRAY MARKER DYES

DONE THAT Blue Spray Marker Dye		Pack	+GST	Inc.GST
	A concentrated blue spray marking solution to show where you have sprayed.	500ml	\$28.50	\$32.78
		5L	\$240.00	\$276.00
		20L (4 x 5L)	\$880.00	\$1,012.00

PEST CONTROL – INSECT CONTROL

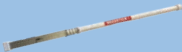
NoPests® ANT BAIT 0.5g/L Indoxacarb in the form of a gel.		Pack	+GST	Inc.GST
	For residential indoor and outdoor use. Easy to apply. Non-staining. No odour. Key competitor products: • Kiwicare No Ants Nest Killer¹¹	20g	\$34.52	\$39.70
NoPests® SAND4ANTS 2g/kg Bifenthrin in a spreadable sand				
	A superior residual contact insecticide for the fast control of ants, ticks, fleas and lawn pests outdoors. Key competitor products: • Kiwicare NO Ants – Ant Sand¹¹ • Mortein Ant Sand⁽⁴⁰⁾	500g	\$19.13	\$22.00
BIFORCE GRANULES 2g/kg Bifenthrin in a spreadable sand – Industrial Packs				
	The industrial equivalent of NoPest SAND4ANTS Key competitor products: • Any of the many products containing bifenthrin and formulated for long-lasting outdoor use.	5Kg 15kg	\$113.04 \$252.17	\$130.00 \$290.00
NoPests® X-IT ANT 80g/L Bifenthrin for long-lasting control				
	A long-lasting insecticide specifically designed for outdoor NZ conditions. Key competitor products: • Any of the many products containing bifenthrin and formulated for long-lasting outdoor use.	225ml	\$47.83	\$55.00
NoPests® CRAWLING INSECT SPRAY 100g/L Bifenthrin in the form of a suspension concentrate. Kills most crawling insects				
	Fast knockdown residual broad-spectrum insecticide effective against cockroaches, fleas, spiders, flies, carpet beetles ants, silverfish ticks and bed bugs. Key competitor products: • Kiwicare Insect Guard Multi-Insect Control¹¹	250ml	\$34.70	\$39.90
RECRUIT 100SC 100g/L Bifenthrin in the form of a SC. Kills most crawling insects				
	This is the industrial version of NoPests Crawling Insect Spray so great for bigger jobs. Key competitor products: • Kiwicare Insect Guard Multi-Insect Control¹¹ • NoPests® CRAWLING INSECT SPRAY	1L 5L	\$128.00 \$537.39	\$147.20 \$618.00
NoPests® FLY BAG Disposable Fly Bag Trap–Catch up to 50,000 flies				
	Contains a water soluble sachet of a food based liquid attractants. Great around the home or farm sheds. Key competitor products: • Rescue Organic Fly Trap⁴⁰	EACH	\$12.00	\$13.80
NoPests® SLUGGOFF® LENTILS metaldehyde in a patented lentil				
	The patented lentil shape results in higher efficacy as even young snails and slugs can more easily bite the thin edge. Key competitor products: • Yates Blitzem (12) • McGregors Snail & Slug Pellets⁴²	300g 8kg	\$15.65 \$200.00	\$18.00 \$230.00

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 +GST. Some conditions apply.

PEST CONTROL – INSECT CONTROL

NoPests® WASP & INSECT DUST 20g/kg Permethrin 40:60 in the form of a dust				
	<i>A superfine insecticide for the long-term control of ant, cockroaches, fleas, wasp, silverfish, bedbugs and other insects.</i> Key competitor products: • Kiwicare NO Wasps Eliminator ¹¹	100g	\$17.35	\$19.95
DUST2DUST 20g/kg Permethrin 40:60 in the form of a dust				
	<i>A superfine insecticide for the long-term control of ant, cockroaches, fleas, wasp, silverfish, bedbugs and other insects.</i> Key competitor products: • Kiwicare NO Wasps Eliminator ¹¹ • NoPests® WASP & INSECT DUST	2kg 10kg	\$74.78 \$260.87	\$86.00 \$300.00
NoPests® WASP DOME TRAP Trap only, Lure not included				
	<i>A reusable wasp trapping system for use with NoPests® Wasp Lure refills. Can holds hundreds of wasps.</i> Key competitor products: • Rescue Wasp Trap ⁴⁰	EACH	\$25.22	\$29.00
NoPests® WASP LURE REFILL Lure/Bait for the Wasp Dome Trap				
	<i>A specially formulated, non-toxic liquid lure attractive to common and German wasps (but not bees or paper wasps)</i> Key competitor products: • RESCUE!® Wasp Attractant Refills ⁴¹	1L 5L	\$51.30 \$143.48	\$59.00 \$165.00
REDACT 200g/litre Cypermethrin in the form of an oil in water emulsion				
	<i>Redact is made to control flies on cattle and horses, lice and ticks on cattle; and ants, cockroaches, fleas, flies, mosquitos, spiders in domestic, industrial and public health areas.</i> Key competitor products: • Ripcord ⁶	1L	\$160.87	\$185.00

OTHER PRODUCTS

MOVE-IT MOSS AND MOULD KILLER for moss, mould and mildew control				
	Contains: Advanced biodegradable formula for for moss, mould and mildew control.	1L (concentrate)	\$13.04	\$14.99
		2L (concentrate)	\$22.60	\$25.99
		5L (concentrate)	\$34.77	\$39.99
		20L (concentrate)	\$113.04	\$129.99
		1L (ready-to-use)	\$14.70	\$16.90
BIOSTACK Biological Effluent Management				
	Using natural biological activity, these 100% natural bacteria increase the efficiency of your wastewater treatment & manure pits.	1L	\$45.00	\$51.75
		4L	\$89.00	\$102.35
		24L (6X4L)	\$474.00	\$545.10
	Pogo style weed stick for Buckshot ¹³ or Tordon 2G ² granules	Unit	\$185.00	\$212.75
EARTHSHAKER PORTABLE HAND SPREADER 1.8kg capacity				
	This high quality handspreader gives you precision control for applying granular herbicides, fertilisers without the waste of broadcast methods or heavy equipment. Simply fill, twist to lock, adjust the dial opening, and spread accurately for targeted applications around the property.	One unit	\$60.86	\$69.99
HAND SPREADERS FOR FERTILISERS AND HERBICIDES 1.8kg capacity				
	A compact hand spreader designed for smaller hands, with an integrated scoop so you can load straight from the bag or can - no need to touch the material. With a 1.8 kg capacity it makes quick work of spot spreading fertiliser, seed, and other granular materials.	One unit	\$52.17	\$59.99

CALL TOLL-FREE ON (0508) 299 299. Mostly free delivery for orders over \$195.65 + GST. Some conditions apply.

THE BACK PAGE

• Rainbow & Brown

Rainbow & Brown Ltd is a privately-owned NZ company operating from our factory in Rotorua for more than 25 years. 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. 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 likely also meet Clinton, the factory manager.

• Ordering

You can order anytime by phone (0508) 299 299, online at www.rainbowbrown.co.nz, or by email mail@rainbowbrown.co.nz. If you call on the freephone number, you may at times get an answering machine. That means we're already on the phone, or it may be after office hours. 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 is usually 1 to 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 40 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. We are at 68 & 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 the 20th of the following month. You can pay by internet transfer or phone banking. We can no longer accept cheques**, ** sorry. Please direct credit 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 you get in your next order. SMALL PRINT: The discount doesn't apply to products on special.

• Website

Check out our website for full details, current pricing 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

• Certified Handler Certificates

You do NOT need a Certified Handler certificate to purchase any current Rainbow & Brown product. You do need a certificate to apply some products 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).

• Ag Recovery and Responsible Care

Rainbow & Brown are members of both Responsible Care and also the Agrecovery programme for recycling agricultural chemical packaging.

- | | | |
|--|--|--|
| (1) Registered tradename of Orion AgriScience Ltd. | (17) Registered tradename of Daltons Ltd. | (31) Registered tradename of Corteva Agriscience LLC |
| (2) Registered tradename of Dow Agroscience LLC-USA. | (18) Registered tradename of Evergreen Garden | (32) Tradename of Agsin Pte Ltd |
| (3) Registered tradename of Nufarm Australia Ltd. | Care NZ Ltd. | (33) Registered Tradename of Arxada NZ Limited |
| (4) Registered tradename of Ravensdown Ltd. | (19) Registered tradename of Agrifert NZ Limited. | (34) Registered Tradename of King's Plant Barn Limited |
| (5) Registered tradename of Nufarm Limited. | (20) Registered tradename of AgriSea NZ Seaweed Limited. | (35) Registered Tradename of Kenso Corporation |
| (6) Registered tradename of BASF NZ Limited. | (21) Registered tradename of Chengeta Crop Care | (M) Sdn Bhd |
| (7) Registered tradename of Monsanto Technology LLC. | (22) Registered tradename of Gibb-Gro Ltd. | (36) Tradename of Donaghys Limited. |
| (8) Registered tradename of Grosafe Chemical Limited. | (23) Registered tradename of Valent Biosciences | (37) Registered Tradename of Agri Solutions Limited. |
| (9) Registered tradename of Bayer CropScience Limited. | LLC - USA | (38) Registered Tradename of Syngenta Limited. |
| (10) Registered tradename of FMC NZ Ltd. | (24) Registered tradename of Arcadian NZ Limited | (39) Registered tradename of Agpro (N.Z.) Limited. |
| (11) Registered tradename of Kiwicare Corporation Ltd. | (25) Registered tradename of Evergreen Garden Care | (40) Registered Tradename of RB (Hygiene Home) |
| (12) Registered tradename of DuluxGroup | NZ Limited | Australia Pty Ltd. |
| (Australia) Pty Ltd. | (26) Registered tradename of Fertiliser NS Ltd | (41) Tradename of Sterling International Inc. USA. |
| (13) Tradename of Rainbow & Brown Ltd. | (27) Registered tradename of Lonza NZ Ltd | (42) Registered tradename of McGregors |
| (14) Registered tradename of Microcide Ltd. | (28) Registered tradename of Adama Agan Ltd. | Horticulture Ltd. |
| (15) Tradename of SST NZ Ltd. | (29) Tradename of Adria New Zealand Ltd | |
| (16) Tradename of Ecolab Znojmo, spol. s r. o. | (30) Registered tradename of UPL Limited. | |

