

Gygantic yield



An independent field trial of Gygantic applied to a "Carisma" potato crop was recently conducted by potato grower, Frank Musolino in Virginia, South Australia, in conjunction with Vic Szabo of Sustainable Horticultural Services.



The most recent addition to Neutrog's fertiliser range, *Gygantic* was trialed against the well-known imported chemical compound fertiliser *YaraMila Complex*. The trial was established on the basis of equal input costs (i.e. the same \$ value of *Gygantic* and *YaraMila Complex* were applied)

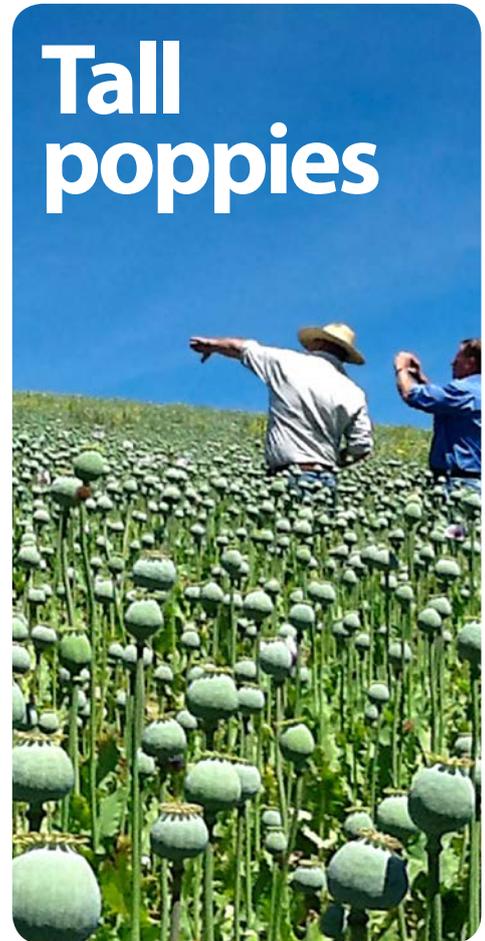
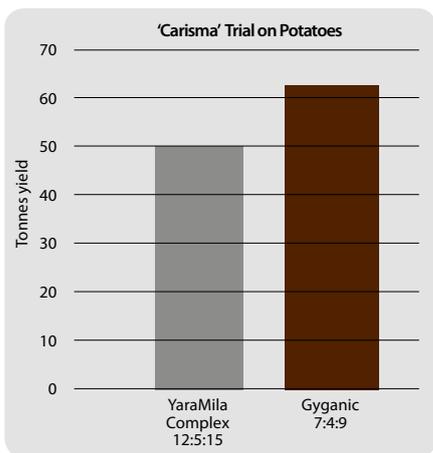
Whilst the quality and size of the potatoes were similar across both trial areas, the yield within the *Gygantic* trial area was significantly higher. The *Gygantic* yield was 61.75 tonne per hectare whereas the *YaraMila Complex* yielded 49.40 tonne per hectare – representing a 25% increase of approx. 12 tonnes per hectare.

At the prevailing potato price of approx. \$400 per tonne the increased yield represented additional revenue of nearly \$5000 per hectare, from the *Gygantic* trial area.

It is also pertinent to note that the equal dollar input application of the two products equated to significantly more NPK nutrition being applied in the *YaraMila Complex* application (12:5:15) than that from *Gygantic* (7:4:9) – yet a significantly higher yield was achieved with the lower NPK application. This clearly demonstrates that the lower level of NPK applied within the *Gygantic* did not limit yield but rather it was the combination of those additional elements applied (micro elements, organic carbon, natural growth hormones, micro-biology etc) that served to enhance the yield.

Further, given that the size and quality of the potatoes were equal in both trials, it would suggest that these differing elements within *Gygantic* played a role in increasing the total number of tubers formed.

Vic Szabo from Sustainable Horticultural Services concluded "the 30% organic content in *Gygantic* provides the major difference to other compound fertilisers, by creating better microbial life in the soil, hence the utilisation of NPK is increased".



Tall poppies



Seamungus, Gygantic and GOGO Juice trials have been established on poppies growing in Tasmania – the results of which will be available in early March.

In this pic taken in the early stages, there was already a marked difference in the plant and root growth of the poppies where the Seamungus had been applied in a pre-plant application.



So what is different about Gyganic?

Gyganic is an organic based, biological, chemically boosted, complete fertiliser with the full range of nutrients in an organic form, coupled with chemically boosted levels of Nitrogen (N), Phosphorus (P), Potassium (K), Iron (Fe) and Magnesium (Mg).

Microbes have been added to Gyganic's unique organic base of manure, seaweed, kelp, fish, humates, lucerne and rock phosphate to breakdown these organic materials, ensuring the full range of organic nutrients are available when applied.

This nutritious, biological, organic base, high in organic carbon and containing naturally occurring growth hormones is then blended homogeneously with the inorganic compounds (di-ammonium phosphate, potassium sulphate, iron sulphate and magnesium sulphate) to boost the levels of those essential elements – it is then pelleted. Pelleting removes the potential for nutrient segregation and allows for easy, uniform nutrient application.

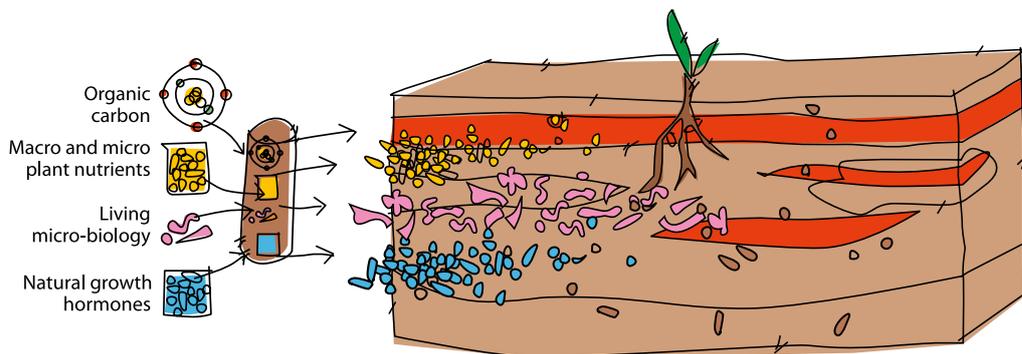
When introduced to the soil the living micro-biology helps in breaking down the organic materials within the soil,

unlocking nutrients and generating greater levels of organic carbon. The organic carbon helps in retaining the inorganic nutrients within the soil and aids in regulating their uniform uptake by plants. The natural growth hormones enhance plant growth both above and below the ground, where the increased root mass provides a greater soil surface area from which to draw nutrients and moisture – increasing the plants ability to withstand heat stress and frost.

Happy, healthy soils and plants are more resistant to pests and diseases.

Gyganic is ideal for all fruit and vegetable crops (including chloride sensitive crops) and particularly those where a premium is paid for consistent and uniform fruit and vegetable size. Importantly, potatoes and most horticultural crops require good organic matter. Gyganic offers the organic matter to increase nutrient uptake and also offers the benefit of increased nutrient.

For further information on the trial and Gyganic, please ring your local Neutrog representative.



Each pellet contains equal quantities of plant nutrients along with organic carbon, living micro-biology and natural growth hormones.

When applied, these pellets provide the full range of macro and micro nutrients, whilst the organic carbon introduced helps in retaining the boosted water soluble nutrients within the soil and aids in regulating their uniform uptake by plants.

Base Manuring

Neutrog products are great alternatives for bulk manure. They are cost competitive and their pelleted form allows for uniform nutrient application and availability, whilst being weed free – resulting in improved performance. Trials of these products have proven that they generate significantly greater levels of organic matter within the soil than their bulk manure counterparts.

Available now

A liquid version of Seamungus is now available. The new liquid concentrate is a soil and plant conditioner manufactured by brewing seaweed, fish, humic acid and manure. Seaweed contains naturally occurring growth stimulants along with a huge range of other essential elements – its ability to aid in the protection of plants from heat stress and frost is well documented. Suitable for all plant types, application also increases resistance to pests and disease.



Put the life into your soil... and reap the rewards.



We continue to hear of great results from those using GOGO Juice in a variety of crops and situations.

In basic terms, GOGO Juice contains a wide variety of beneficial bacteria and whilst these bacteria ultimately perform numerous beneficial activities within the soil, the primary benefit is gained through their ability to fast track the breakdown of any organic materials within the soil, unlocking nutrients along the way.

During the GOGO Juice brewing process the bacteria are proliferated by digesting kelp, fish, seaweed, coal and lucerne. In doing so, many 'goodies' that benefit the growth and health of plants are extracted (humic acid, natural growth hormones, micro and macro nutrients etc) and retained within the GOGO Juice.

Hence when GOGO Juice is applied to your soil it can produce results from a variety of sources.

GOGO Juice trial results on parsley at Virginia in South Australia.





Broadacre Bulletin



Over the past 12 months some 125 broadacre farmers around Australia took up Neutrog's organic fertiliser trial offer.

The trial offer allowed each participating farmer to trial the performance of Neutrog's organic fertiliser Bounce Back, directly against the performance of the chemical fertiliser they normally used.

The trials were undertaken on the basis of an application rate based upon ascribed, equal input costs (applied at the \$ for \$).



From Neutrog's perspective the primary purpose of establishing these trials was to provide the participating farmers with the

opportunity to "see" and experience first-hand how an organic fertiliser such as Bounce Back, with a relatively low NPK (3:2:2), could perform as well as, or better than, its chemical counterpart with a significantly higher NPK such as DAP (18:20:0).

Not surprisingly, many traditional conventional farmers struggle with that concept and hence why Neutrog has been prepared to be involved in so many of these trials.

Of the results in to date, none have reported the Bounce Back yields to be any less than that gained with their existing chemical fertiliser – some have reported improved yields and the number of those participating farmers who have ordered and are broadening their use of Bounce Back this year is perhaps a good indicator and testament to its success.

Most significantly many of those farmers who didn't see any specific yield differential, saw it as a win for Bounce Back because they envisaged the organic fertiliser also positively impacting upon their soil health in the longer term.

Whilst organic fertilisers such as Bounce Back generally have a low NPK content, they do contain the full range of macro and micro elements and it is often the absence

of one or more of those essential elements within the chemical fertiliser which proves to be the limiting factor in yield.

Apart from providing the full range of essential elements, the living micro-biology within Bounce Back stimulates the natural processes that occur in the soil, unlocking and releasing nutrients.

The Bounce Back trial product was provided to each farmer on the basis of purchasing one tonne and being provided with a second tonne free of charge. Farmers who participated in these trials have been offered further incentives for continuing and expanding their use of "Bounce Back" in subsequent years.

Given the success of these trials a similar such trial product offer is available to broadacre farmers this year. Trial application forms can be gained direct from Neutrog or from your preferred distributor.

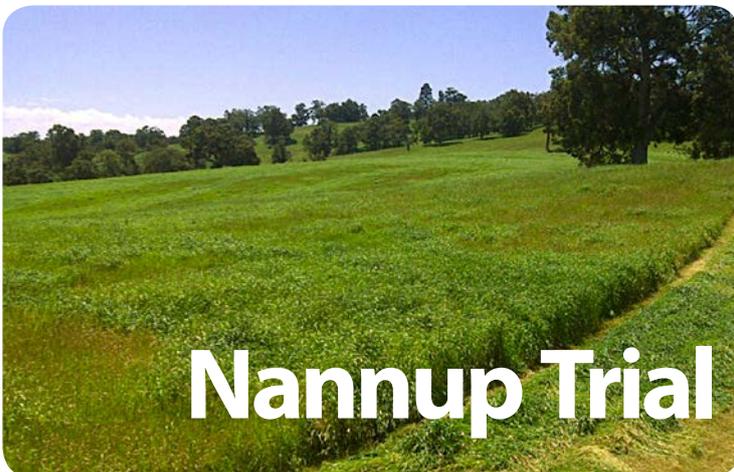
Freecall 1800 656 644



Bob Wesley, a farmer based in Beverley in Western Australia is extremely happy with the results achieved from applying Bounce Back on his hay crop.

In an email sent from Bob, he remarks "This is the photo of my hay crop... I started to use the rebuilt Inter B275, but I gave up after going down to 2nd low and the rotary mower couldn't handle the load. So I grabbed the bigger tractor... and of course guess whose fertiliser I used!"

Bob has now upped his next Bounce Back order and is keen to trial GOGO Juice... we'll keep you posted.



A trial using Bounce Back was established in Nannup WA, which was applied over 100 square metres. The area was a deeper shade of green and noticeably much thicker than the surrounding pasture.

Two weeks after the trial was completed the cattle were allowed back into the paddock and they totally annihilated the trial area (see photo above), eating the pasture down to the ground. Clearly a great example of the stock selective grazing.



David Edmonds

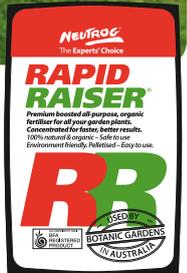
A third generation pasture and cattle farmer, commercial orchid grower, as well as the local Vet for Denmark (WA) and surrounding areas, David Edmonds is juggling a lot of hats.

With an annual rainfall of around 1200mm the 500 acre property, of which 130ha is pasture, was originally purchased by David's grandfather in 1930 and currently runs around 120 head of beef cattle. The family is from the original settlers in the area and the property is nestled in the hills over Walpole, surrounded by beautiful old Karri trees. Soil type is predominately Karri Loam, but there are pockets of acidic sandy soils, which readily leach nutrient and have poor water retention.

Around 14 years ago, after 60 years of using predominately chemical fertilisers, David and his father saw a need for change and started trialling various organic alternatives. They have been using Neutrog Rapid Raiser for two seasons. By his own admission he has not been actively measuring the results, however he has noticed the difference – as have the neighbours! As the pasture is lush and maintains its deep green colour throughout the Summer the neighbours have been making enquiries of their 'secret'.

David's real 'Yard Stick' for results is a very sandy paddock where, in previous years, they have struggled to keep any cover on it whatsoever.

After using Rapid Raiser the paddock appeared to retain more moisture and a lot more nutrient, maintaining strong growth during the hot dry weather over Summer.



Around the grounds...



Good results have been reported from the **Royal Botanic Gardens Sydney** where GOGO Juice has been applied to the playing fields and the well-known Bennalong Lawns in the Domain.



Trials of High 5 are underway at **AAMI Stadium, Adelaide Oval** and **The Royal Adelaide Golf Course**.

Totally organic, with a high organic nitrogen level of 5 (hence the name!), High 5 comes in a fine form and is essentially odour free.



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Become a member of Neutrog's Pooh Bah Club to receive regular updates on Neutrog, its products and their applications. To join, register your email address at www.neutrog.com.au



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