



**Dear Readers,**

In this months newsletter:

Successful results from a seed treatment trial with POPUL8 with DV & SA Redgove in NSW  
Rejuvenated gardens at Padthaway Estate  
POPUL8 for Fusarium on Cherry Root Stocks  
Ongoing site improvements at Kanmantoo

If you are interested in more information about Neutrog, please let us know at [marketing@neutrog.com.au](mailto:marketing@neutrog.com.au) to make sure you receive both our monthly newsletters.

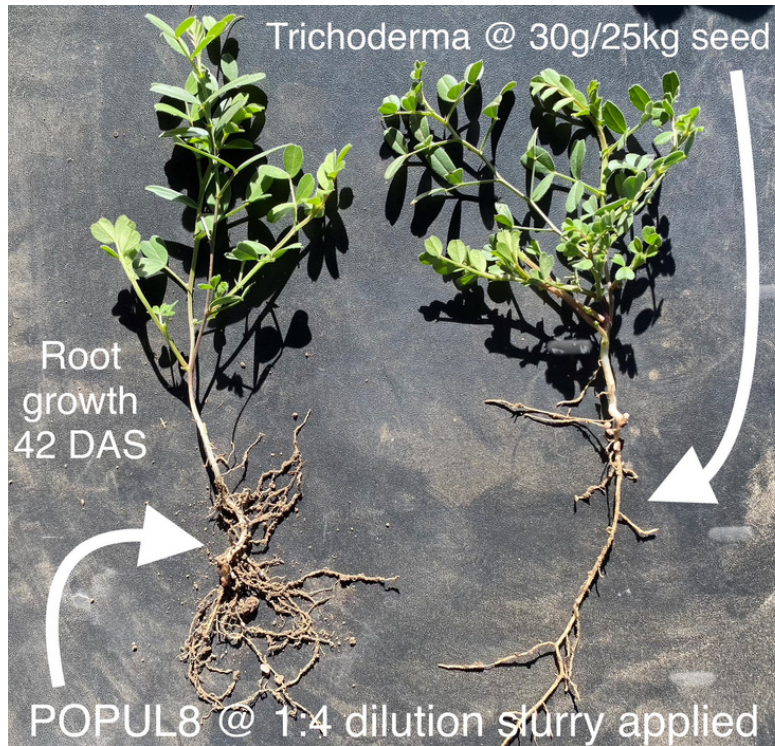
The one you're reading now is commercially focused, while we also put together a newsletter dedicated to growing plants at home. Each month we collate seasonal advice from experts, product profiles and garden features with a full insight into Neutrog.

**Kind Regards,**  
**The Neutrog Team**





# POPUL8 Seed Treatment Trial Improves Root Development



**Richard Parker from Achieve Agronomy in NSW, conducted a trial on vetch. The purpose of the trial was to look specifically at the effect the POPUL8 would have on root development.**

POPUL8 was assessed against a legume specific Endophytic Trichoderma powder.

Forty-two days after sowing, plants from both treatments were dug and it was observed that the plants grown from the seed treated with POPUL8 had noticeably more feeder roots and fine root development than the Trichoderma treated plants. Secondly, the root biomass (amount there-of) was greater in the POPUL8 treatment than the Trichoderma.

Where nitrogen fixing nodules had begun to develop on the root system, the nodules on the plants from the POPUL8 treatment were larger than those of the Trichoderma treatment.

Early, robust root development in the establishment of a crop, (or any plant for that matter) can have a significant impact over its lifespan. This trial shows the versatility of this advanced biological formula.

If you'd like to find out more about POPUL8, please get in touch with our commercial team [here](#).





# Rejuvenated Gardens at Padthaway Estate



**Based in South Australia's southeast, Padthaway Estate utilises generational expertise and the latest viticulture science to craft exceptional wines.**

Operated by husband-and-wife team David and Carolyn Brown along with their son Daniel and daughter Lara, Padthaway Estate is family owned and family operated.

Adding to the visitor experience at the vineyard are gardens surrounding the cellar door consisting of greenery, lawns, hedges, and roses. When our Commercial Sales Manager for SA & NT, Andrew, stopped by five months ago, many of the plants were struggling.

Whoflungdung was used as a mulch for the rose beds and beneath the hedges to provide a protective layer and aid in soil temperature regulation and moisture retention. Seamungus Advanced Biological Formula was also used on bare patches of lawn to encourage strong root growth and increase resilience to diseases.

"I visited David and Carolyn again in May and they told me that since applying Whoflungdung and Seamungus, the gardens have picked up significantly, and they are very happy with the results. She actually went to Mitre10 in Naracoorte and bought out all of the Whoflungdung (half a pallet)!" says Andrew.



# Treatment Trial of Fusarium on Cherry Trees



**Fusarium is a large genus of soil fungi found in many parts of the world that can have devastating impact on plants, particularly in commercial growing operations and nurseries. There are over 1,000 species of Fusarium which can result in stem cankers, foot and root rot, and wilting.**

Three cherry trees budded onto the same root stock were recently sent to Neutrog from a grower in Victoria to check for the presence of Fusarium.

A wedge of the roots and surrounding soil was cut out of each of the trees and screened on potato dextrose agar. "Initial analysis revealed the presence of a fungi which is potentially Fusarium in two of the three samples. Fusarium can often be distinguished from other fungi in that it shows as a light pink colour on the growth media. We will now regrow and purify these potential Fusarium isolates for definitive identification," says Dr Uwe.

Each of the trees had been treated with a biological treatment, with one of them treated with POPUL8. "The first and most obvious observation was that the tree given POPUL8 had significantly superior and stronger root development.

POPUL8 contains several microbes which we know in a laboratory setting show strong inhibition and killing of a range of Fusarium species and isolates, so it isn't surprising that the plant treated with POPUL8 showed little to no level of Fusarium in the sample."



# Ongoing Site Improvements at Kanmantoo



**The composting pads at Neutrog's Kanmantoo factory are currently in the process of receiving improvements, and its only when the composted material is removed that we can grasp just how large the composting pads are!**

The area that you see in the photo is usually full of cone shaped piles of compost.

Over time material builds up, and as part of ongoing site improvements in June, groundworks were completed using a layered structure of clay and limestone to improve site drainage and manoeuvrability.

We have also recieved a new backup generator which is capable of keeping our head office, laboratory and liquid production areas functioning in the event of a power outage.

