

# PEATS BLEND 437

Improving topsoil with a  
finely-screened humus



## FACT SHEET

**peats**   
SOIL & GARDEN SUPPLIES

It can take more than 437 years to make just 1 inch of topsoil!

This is where most of the soil's biological activity takes place and is the most fertile. Peats have accelerated and enhanced this natural process to produce Peats Blend 437. Studies all over the world have shown that crop yield and quality can be improved by increasing humus levels in soil.

Peats Blend 437 is a finely-screened humus – the most stable and long-lasting form of organic matter. Its small particle size and large surface area helps to increase:

- water holding capacity
- microbial activity
- nutrient uptake.

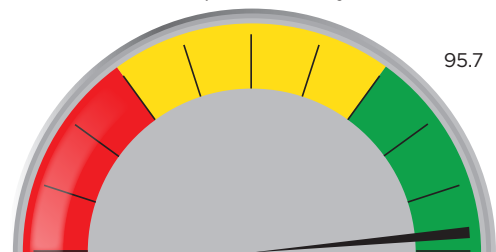
Peats Blend 437 – the best way to permanently change your soil structure, increase soil fertility and reduce fertiliser costs.

### Increase soil health and fertility

Humus contains the humic substances humin, humic acid and fulvic acid. These substances help to:

- improve soil structure by creating aggregates
- improve soil water holding capacity by holding up to seven times their weight in water
- increase the efficiency of nutrient uptake by plants
- insulate the soil from extreme temperature changes
- feed the beneficial soil microbes that are critical to natural processes in healthy soils.

Compost Indicators  
Compost Maturity



Soil scientists and agronomists around the world recognise that the humic substances found in humus are the most important component of a healthy, fertile soil.

Source: Microbiology Laboratories Australia

### Increase crop yield and quality

The humic substances in Peats Blend 437 can:

- enhance uptake of major plant nutrients
- improve nutrient movement within plants
- regulate the plant hormones needed for normal growth
- increase energy production for essential functions like photosynthesis
- increase formation and growth of new roots.



**peats**   
BLEND 437

Did you realize that by applying Blend 437 you too will store many megalitres of water for each planted hectare – ask us how?

# PEATS BLEND 437

Improving topsoil with a  
finely-screened humus

## FACT SHEET

Invest in your soil with Peats Blend 437. Talk to our team about how Peats Blend 437 can help increase crop yield and quality and reduce fertiliser costs.

### Application guidelines:

Application rates can vary from crop to crop and we recommend talking to our experienced staff to determine the right application rate for your needs.

The following rates are included as a guide.

Viticulture 5-15 tonnes per hectare

Broadacre 1-5 tonnes per hectare

Horticulture 10-30 tonnes per hectare.

### Test results on our Blend 437 returned positive comments . . .

Total microbial biomass was good. Biomasses of other key desirable microbial groups ranged from good, to fair in the case of Mycorrhizal fungi. VAM fungi require a living plant host to survive, so their presence in this compost is a plus. Protozoa often appear after composts have aged for some time, and their presence here together with the Maturity indicator show that this compost is mature. True anaerobes were elevated, which may indicate lack of aeration. The Fungi to Bacteria ratio was a slightly elevated due to higher fungi compared to bacteria, but this may be advantageous if the aim was to produce a fungi-dominated compost. Microbial diversity was fair to good. These results indicate that this compost would be a useful amendment, particularly to soils with low fungi.

Humic substances enhance the uptake of major plant nutrients and also help plants tap into residual nutrients that are bound up in soils, reducing fertiliser costs.

### For further information on this product or our full analysis please call:

Head Office (08) 8556 5295

e [sales@peatssoil.com.au](mailto:sales@peatssoil.com.au)

