

MYCOGRO ORGANIC FERTILISERS

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Benefits

- ✓ *A total organic fertiliser pack, rich in humus with added mycorrhizae, soil fungi, bacteria, molasses and seaweed meal*
- ✓ *Produces dense roots and sward with slow top growth*
- ✓ *Immediate plus slow nutrient release over 10 weeks with all the trace elements plants need for healthy growth*
- ✓ *Contains soil and mycorrhizal fungi to promote establishment of fescue, bent and rye grasses*

- ✓ **Symbio MycoGro 5.3.8 - 100% Organic**
- ✓ **Symbio MycoGro 10.2.10 + 4% Mg - 50% Organic**

THE LIFE IN YOUR SOIL Organic fertilisers put life back into your soil. Symbio's MycoGro Organic Fertilisers contain Soil Association approved poultry manure, composted to 70°C to kill all weeds and pathogens. The organic content contains 76% humus and all the macro and micronutrients plants need for healthy growth.

FOUNDATION FOR HEALTHY SOIL We put the foundation of the soil food web into your rootzone i.e. beneficial soil fungi, mycorrhizal fungi, rhizobacteria, carbon, biostimulants and sugars. This encourages the beneficial nematodes and protozoa to grow which maintain healthy friable soil and help grade thatch, promote disease resistance and recycle nutrients.

SLOW GROWTH AND FINE GRASSES

Mycorrhizae and soil fungi are essential for the health of fescue, bent, rye and perennial poa grasses. They colonise the roots and increase the surface area for nutrient and water uptake.

BIOLOGICAL ANALYSIS All MycoGro Organic fertilisers contain 8 species of endomycorrhizal fungi, 7 essential soil fungi and 5 species of Bacillus bacteria.

CHEMICAL ANALYSIS

Symbio MycoGro 5.3.8 100% Organic

Nitrogen (N) 5-6% (of which 4% water insoluble) Phosphate (P205) 3% Potassium (K20) 8%

Symbio MycoGro 10.2.10 +2Mg 50% Organic

N 10% (Water insoluble N 2%, Ammonium sulphate, 4% Urea 4%) Phosphate (P205) 2%; Potassium (K20) 10% Magnesium (MgO) 2%

APPLICATION AND TIMING

We suggest you apply MycoGro Organic 5.2.10 + 4Mg in spring and autumn/early winter, MycoGro 5.3.8 100% organic in spring and summer and higher nitrogen fertilisers during the summer.

Apply at 25 – 50 gms/m². We can tailor make a nutrient package to match the needs of your soils for greens, tees, surrounds and fairways. For new rootzones add MycoGro 5.3.8 100% organic at 50 – 75gms m²

Organic fertilisers are low-burn but should be watered in to activate the microbes. You will find that your nitrogen requirement will drop with regular use. Aerate frequently with micro tines.

HEALTH AND SAFETY S20/ 21 When using, do not eat, drink or smoke.S22 Do not breathe dust.S24/25 Avoid contact with skin and eyes.S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water.S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

PACK SIZE: 20kg



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HOW TO GET THE BEST RESULTS FROM THE MYCOGRO ORGANIC RANGE OF FERTILISERS WITH ADDED MYCORRHIZAE, FUNGI AND BACTERIA.

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Benefits

The life in your soil: *Mycogro Organic* are different from other fertilisers. They contain the foundation of the soil foodweb.

MYCORRHIZAE

- ✓ Rhizo bacteria and fungi.
- ✓ 50 - 100% organic matter
- ✓ 35% - 75% humus
- ✓ Protein carbohydrates & biostimulants.

WHAT DO MYCORRHIZAE DO?

- ✓ Mycorrhizae are fungi that effectively expand the root system of the plant, allowing it to take up nutrients and water more efficiently.
- ✓ Mycorrhizae also help fescue, bent, rye and perennial poaspecies at the expense of poaannua.
- ✓ They like soils low in phosphate. Ideal levels of availablephosphate are 7 –15mg/kg for promoting healthy, finegrasses, over *Poaannua*.

WHAT DO THE RHIZO BACTERIA AND FUNGI DO?

- ✓ Soil bacteria and fungi are essential to:
- ✓ Convert ammonia to plant available nitrate.
- ✓ Solubilise phosphate.
- ✓ Degrade thatch and organics, produce humus and recycle the nutrient as plant food.

- ✓ Assist nutrient uptake into the plant.
- ✓ Produce enzymes to help seed germination.
- ✓ Competitively exclude harmful fungi.
- ✓ Feed the nematodes and protozoa and other elements inthe soil food web.

WHAT DO THE PROTEIN, CARBOHYDRATES & BIOSTIMULANTS IN MYCOGRO ORGANIC DO?

Our biostimulants come in different forms to:

- ✓ Provide carbon to feed and grow all the soil microbes.
- ✓ Improve soil structure.
- ✓ Increase plant photosynthesis and cell division.

SOIL ANALYSIS We recommend that your rootzone be analysed for the soil food web and phosphorus, potassium, magnesium, calcium, copper, boron, zinc, iron, manganese, sulphate, CEC and organic matter, so that any excesses or deficiencies can be identified and the correct nutrients applied. If necessary a tailor-made fertiliser can be produced to exactly meet your requirements

For best results, use as little fertiliser as possible to give strong, healthy grass, by ensuring that a biologically active rootzone utilises the nutrients applied for root and shoot development.

APPLICATION

For disease free turf, ideal for fine grasses you need to get maximum root and shoot development with the minimum of nitrogen.

Aerate the turf before applying MycoGro, oxygen may stimulate the microbes from the previous application to recycle enough nutrient to green up the grass.

For best results on thatchy greens and pitches MycoGroComplete should be used with Symbio ThatchEater. Degrading thatch releases a lot of nutrient so only apply MycoGro as required, you may only need 50-75kg of N per hectare. (If you degrade 2cm thatch on a hectare of greens you recycle 200m³ of dead plant material.)

To maintain excellent greens and pitches use with Symbio GreenCircle or Compost Teas.

For newly seeded or turfed areas apply Mycorrhizal Inoculant and ask your local Symbio Technical Manager or distributor to arrange for a fertiliser to be made containing the correct nutrients for your conditions.

For tees, collars, surrounds and less heavily trafficked areas use MycoGro Organic as your usual fertiliser, or ask your Symbio advisor about compost and other slow release organic nutrients.