

Making your soil work for you

SYMBIO MYCOGRO COMPLETE BIOLOGICAL NUTRIENTS



- ◆ A total fertiliser package with soil fungi, bacteria, mycorrhizae, zeolite, molasses and seaweed meal for an excellent, healthy, sward
- ◆ Promotes establishment of fescue, bent and rye grasses
- ◆ Mycorrhizae improve root mass and increase nutrient uptake
- ◆ Increases plant tolerance to drought and stress conditions
- ◆ Faster grow-in and establishment of new grass seeds
- ◆ Healthy grass growing in a microbially active root zone is less susceptible to and recovers faster from disease

SPRING and SUMMER

- ◆ Symbio MycoGro 10.0.0 + 4% Mg with trace elements.
- ◆ Symbio MycoGro 10.0.10 + 4% Mg with trace elements.
- ◆ Symbio MycoGro 15.0.10 + 4% Mg with trace elements.

AUTUMN, WINTER and SPRING

- ◆ Symbio MycoGro 3.0.20 + 4% Mg 2% Fe with trace elements.
- ◆ Symbio MycoGro 5.0.29 + 4% Mg 2% Fe with trace elements.
- ◆ Symbio MycoGro 0.0.10 + 10% Mg 2% Fe 2% Mn 1% Zn 1% Cu with trace elements.

or:

- ◆ Tailor made to your recipe in minimum orders of 500kg. All Symbio fertilisers may be supplied without iron or sulphur.

These are balanced granular (approx 1-2mm) fertilisers designed specifically to develop the biological and

mycorrhizal activity of the soil and help you to use less fertiliser. These unique blends include beneficial mycorrhizal fungi, rhizobacteria, and carbon biostimulants with slowly degradable organic matter rich in sugars, (derived from molasses, olives and vines) to improve grass root growth, and stress recovery.

Mycorrhizae 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.

Increased microbial activity, will ensure efficient utilisation of available nutrient to reduce the total N and P required, complementing your cultural control of many turf grass diseases.

APPLICATION and TIMING

Apply 25g to 35g per m² as required. Less may be needed if used with a full Symbio programme. MycoGro should be watered in to activate the microbes and mycorrhizae. Apply when necessary to enhance new root and shoot development.

The Spring and Summer fertilisers contain powerful biostimulants. Do not apply in late Summer & Autumn on soil greens or grass susceptible to fusarium patch. Use Symbio's autumn and winter fertilisers for your nutrition and disease management programme.

Analysis (% w/w):

Symbio MycoGro 10.0.10

Urea (N) 5%, Ammonium sulphate (N) 5%
Potassium Chloride (K₂O) 10%
Magnesium Sulphate (MgO) 4%
Fe, Ca, S <1%

Symbio MycoGro 15.0.10

Urea (N) 7.5%, Ammonium sulphate (N) 7.5%
Potassium Chloride (K₂O) 10%
Magnesium Sulphate (MgO) 4%
Fe, Ca, S <1%

Symbio MycoGro 10.0.0

Urea (N) 5%,
Ammonium Sulphate (N) 5%
Magnesium Sulphate (MgO) 4%
Fe, Ca, S <1%

Symbio MycoGro 3.0.20

Ammonium Sulphate (N) 3%
Potassium Chloride (K₂O) 10%
Potassium Sulphate (K₂O) 10%

Magnesium Sulphate (MgO) 4%
Ferrous Sulphate (Fe) 3%
Calcium (CaO) 6%

Symbio MycoGro 5.0.29

Ammonium Sulphate (Total N) 0.5%
Potassium Nitrate (Total N) 4.5%
Potassium Nitrate (K₂O) 16%
Potassium Chloride (K₂O) 13%
Magnesium Sulphate (MgO) 4%
Ferrous Sulphate (Fe) 2%
Ca 4%,

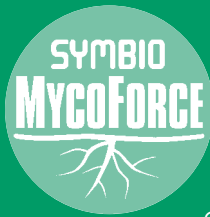
Symbio MycoGro 0.0.10

Potassium Chloride (K₂O) 10%
Magnesium Sulphate (MgO) 10%
Ferrous Sulphate (Fe) 2%
Manganese Sulphate (Mn) 2%
Copper Sulphate (Cu) 1%
Zinc Sulphate (Zn) 1%
Ca, S.



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HOW TO GET THE BEST RESULTS FROM THE MYCOGRO COMPLETE RANGE OF BIOLOGICAL NUTRIENTS AND FERTILISERS



MycoGro Complete is different from other fertilisers

It contains:

- ◆ Mycorrhizae
- ◆ Rhizo bacteria and fungi
- ◆ Molasses and zeolite
- ◆ Biostimulants
- ◆ Slow release organic matter

What do Mycorrhizae do?

- Mycorrhizae are fungi that 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 Poa species at the expense of *Poa annua*.
- They like soils low in phosphate. Ideal levels of available phosphate are 7 – 15mg/kg for promoting healthy, fine grasses, over *Poa annua*.

What do the rhizo bacteria and fungi do?

Soil bacteria and fungi are essential to:

- Convert ammonia to plant-available nitrate.
- Solubilise phosphorus.
- Degrade thatch and other organic matter, 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 in the soil food web.

What do the Molasses & Biostimulants in MycoGro Complete do?

Our biostimulants come in different forms to:

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

Soil Analysis

We recommend that your rootzone be analysed for phosphorus, potassium, magnesium, calcium, sodium, 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.

Application

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.

For disease free turf ideal for fine grasses, you need to get maximum root and shoot development with the minimum of nitrogen while using the phosphate already in the root zone. (Except for new greens where phosphate may be added).

For best results on thatchy greens and pitches, MycoGro Complete should be used with Symbio Thatch Eater. 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 remove up to 200m³ of dead roots.)

To maintain excellent greens and pitches, use with Symbio Green Circle. Apply as required when the grass needs feeding.

On soil greens for enhanced cultural management of fusarium use MycoGro autumn and winter feeds.

For newly seeded or turfed areas, apply Mycorrhizal Inoculant and ask your local Symbio representative 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 Complete as your usual fertiliser.



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