

SYMBIO MYCOGRO COMPLETE

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Benefits

- ✓ 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

- ✓ Symbio MycoGro 5.0.28 + 1% Mg + 2.4%Fe with trace elements.
- ✓ Symbio MycoGro 10.0.0 + 4% Mg
- ✓ Symbio MycoGro 10.0.20 + 2.4% Mg + 1.6%FE with trace elements.

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.

Endo Mycorrhizal species – *Glomus claraum*, *G. intraradices*, *G. mosseae*, *G. deserticola*, *G. monosporum*, *G. aggregatum*, *Paraglomus brasilianum*, *Gigaspora margarita* and *G. etunicatum*

TYPICAL ANALYSIS (% W/W); SYMBIO MYCOGRO 5.0.28		SYMBIO MYCOGRO 10.0.20	
Urea N	2%	Urea N	4.6%
Ammonium sulphate N	3%	Ammonium sulphate N	5.4%
Potassium K ₂ O	28%	Potassium K ₂ O	10%
Dolomite MgO	1%	Potassium Sulphate K ₂ O	10%
Ferrous sulphate Fe	2.4%	Magnesite MgO	4%

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, Autumn and Winter fertilisers contain powerful biostimulants. Use Symbio's autumn and winter fertilisers for your nutrition and disease management programme.

PACK SIZE: 20kg

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

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Benefits

Mycogro Complete is different from other fertilisers. It contains:

- ✓ *Mycorrhizae*
- ✓ *Rhizo bacteria and fungi*
- ✓ *Biostimulants*
- ✓ *Slow release organic matter*

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 *Poa* species to dominate *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.

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 while utilising 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 ThatchEater. Degrading thatch with ThatchEater 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 plant material.)

To maintain excellent greens and pitches, use with Symbio GreenCircle. 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 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 Complete as your usual fertiliser.

