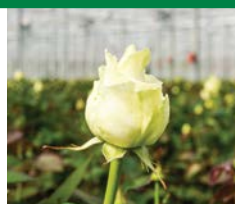
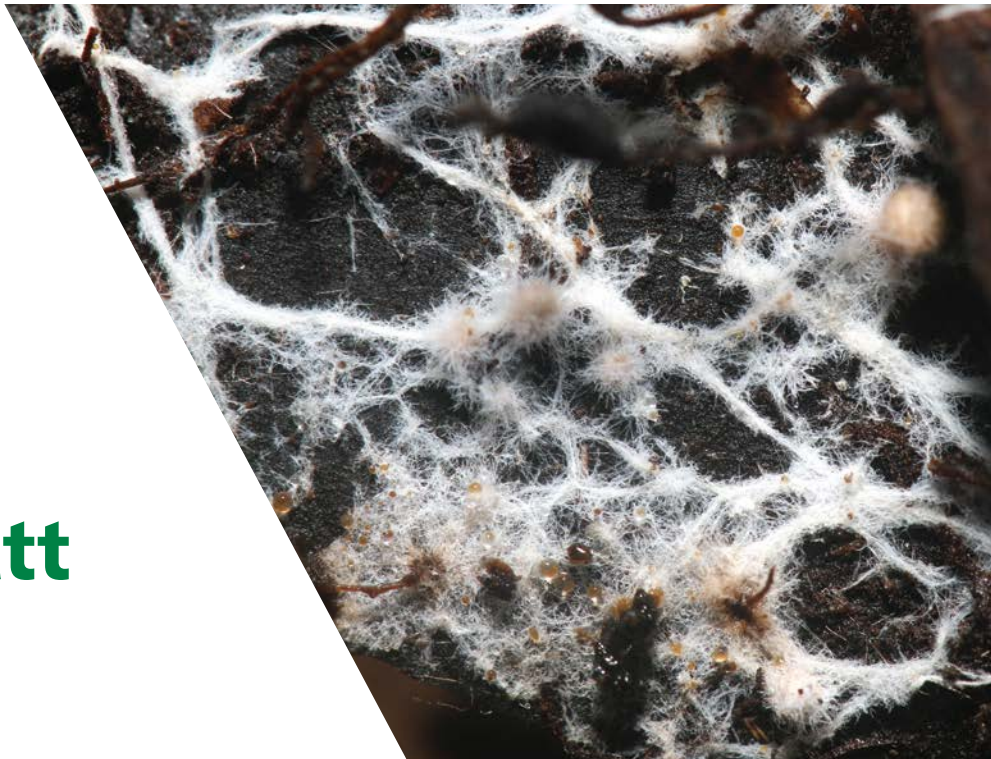
MycoUp Activ®

Reg. No. M0010, Act 36 of 1947

Fertiliser Group 3





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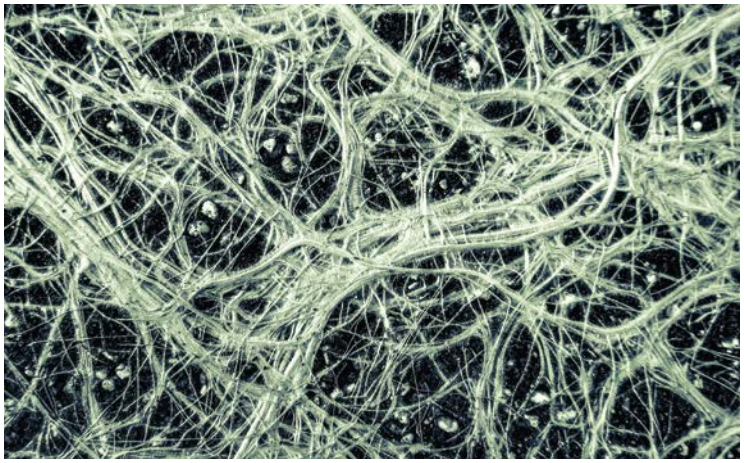

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A powder based formulation of the unique species of mycorrhizal fungus, *Glomus iranicum* var. *tenuihypharum* var. *nova*.

The intense mycorrhizal colonisation of the plants' root system promotes root growth, absorption of water and nutrients, robustness of crops and improves crop yield.

MycoUp Activ® is a 100% biological stimulant.

Why Use *MycoUp Activ®*?

Glomus iranium var. *tenuihypharum*: Unique and exclusive new mycorrhizal-forming fungus.

Characteristics:

Abundant production of extramatrical mycelium
Essential for efficient transfer of nutrients and water from the soil to the plant.

External sporulation of the root
Since sporulation takes place outside the root, spread of the mycorrhiza is not dependent on the breakdown of the root to release spores. Uptake and transport of water and nutrients in the root is more efficient. Less energy cost to the plant.

Tolerance to high concentrations of fertilisers
Perfect integration with the intensive fertilisation protocols required by conventional production. High resistance to saline conditions.

Actions:

Rapid and effective colonization in the root of the plant

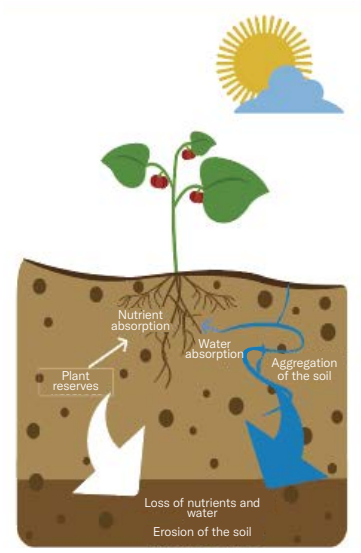
Increase in **absorption of nutrients** by the plant

Increase in the physiological activity of the plant

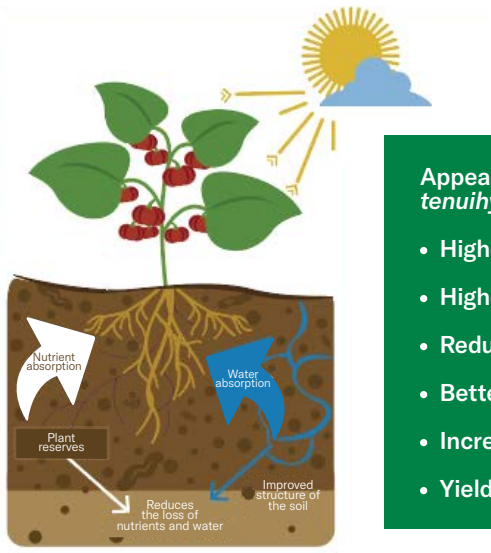
Positive action on the hormone balance of the plant

Activity of a plant treated with *MycoUp Activ®* compared with an untreated plant

Untreated plant



Plant treated with MycoUp Activ®



Appearance of *Glomus iranium* var. *tenuihypharum* hyphae:

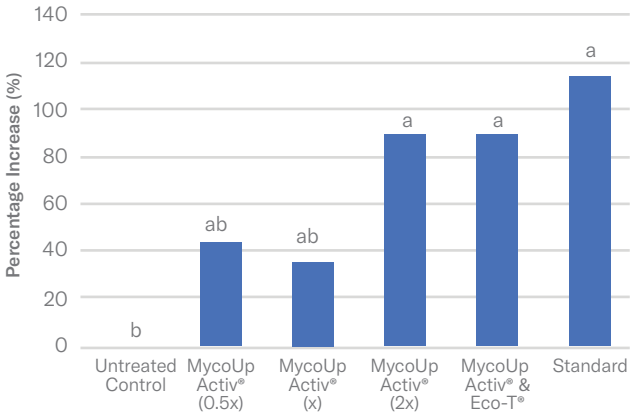
- **Higher photosynthetic activity**
- **Higher nutrient and water absorption**
- **Reduces the loss of nutrients and water**
- **Better soil structure**
- **Increase in biomass**
- **Yield increase**

Trial data

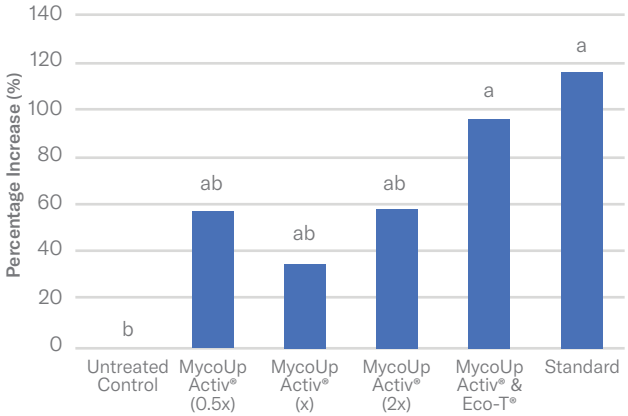
MycoUp Activ® on Tomatoes

MycoUp Activ® was applied at 1.0 to 1.5 kg/ha (0.5x), 2 to 3 kg/ha (x), and 4 to 6 kg/ha (2x). Vydate SL (standard) was applied to soil prior to transplanting at a dosage rate of 80 L/ha and to the foliage at a dosage rate of 2 to 4 L/ha.

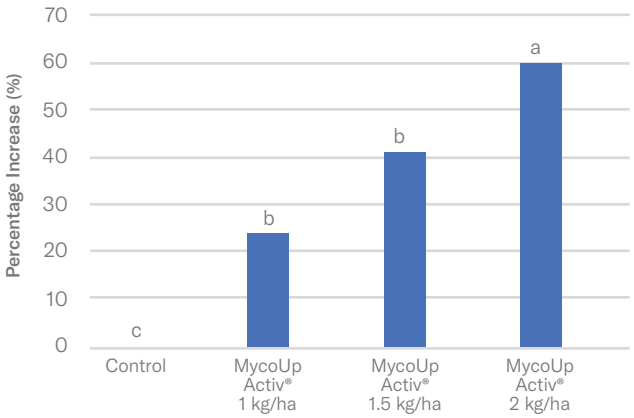
Increase in plant vigor

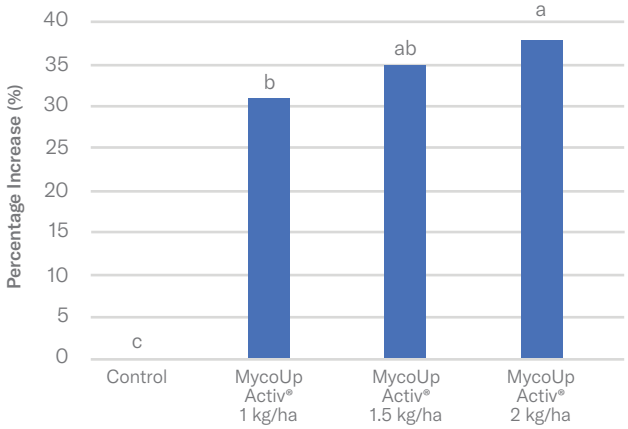


Increase in fruit weight



MycoUp Activ® on Cucurbits





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Mycorrhizal fungi are known to establish symbiotic relationships with plant roots and aid in the delivery and uptake of nutrients and water to the plant. In healthy soil natural populations of these fungi are present however due to common practices in intensive agriculture these populations have been lost from agricultural soils.

The practice of inoculating soils with a product like *MycoUp Activ*® can provide significant benefits in terms of crop health and productivity.

MycoUp Activ® should be applied as a soil drench application using conventional irrigation equipment. Good coverage of the root zone is essential. Additional irrigation applied as a follow up after application is recommended and will ensure the product penetrates into the soil profile.

Registered Usages:

Crop	Dosage	Remark
Horticultural crops (greenhouse, field, hydrophonics)	2-3 kg/ha	· Apply 7 days after transplant. · For crops with an extended growing cycle repeat application at 2 kg/ha 70 - 90 days after first application.
Strawberry	2-3 kg/ha	· Apply 20 days after transplant.
Woody crops (citrus, pome, stone fruit, tree nuts, grapevines etc.)	2-3 kg/ha	· Apply at early flowering, adjust rate according to age of crop with higher rate on fully productive orchards. · A repeat application may be done annually.

Registered, Marketed and Distributed by:

Andermatt Madumbi

Certified by:

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Healthy Food and Healthy Environment, for all

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MycoUp Activ® contains *Glomus iranicum* var. *tenuihypharum* var. *nova*. Reg. No. M0010. Act No. 36 of 1947. Andermatt Madumbi (Pty) Ltd, Postnet Suite 20, Private Bag X6011, Hilton, 3245. Reg. No. 2009/020798/07.