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NexusProvide

Biofertiliser

Broadacre and Horticultural Crops

Mycorrhizae – Growth Stimulating Fungi

Beneficial root colonising fungi that can solubilise soil nutrients and aid the transport of water, increasing crop resilience and productivity.

Active Ingredients: Arbuscular Mycorrhizal Fungi 2000 spores per gram of Rhizophagus irregularis (previously known as Glomus intraradices) at time of manufacturing.

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Benefits:

of Mycorrhizal Technology

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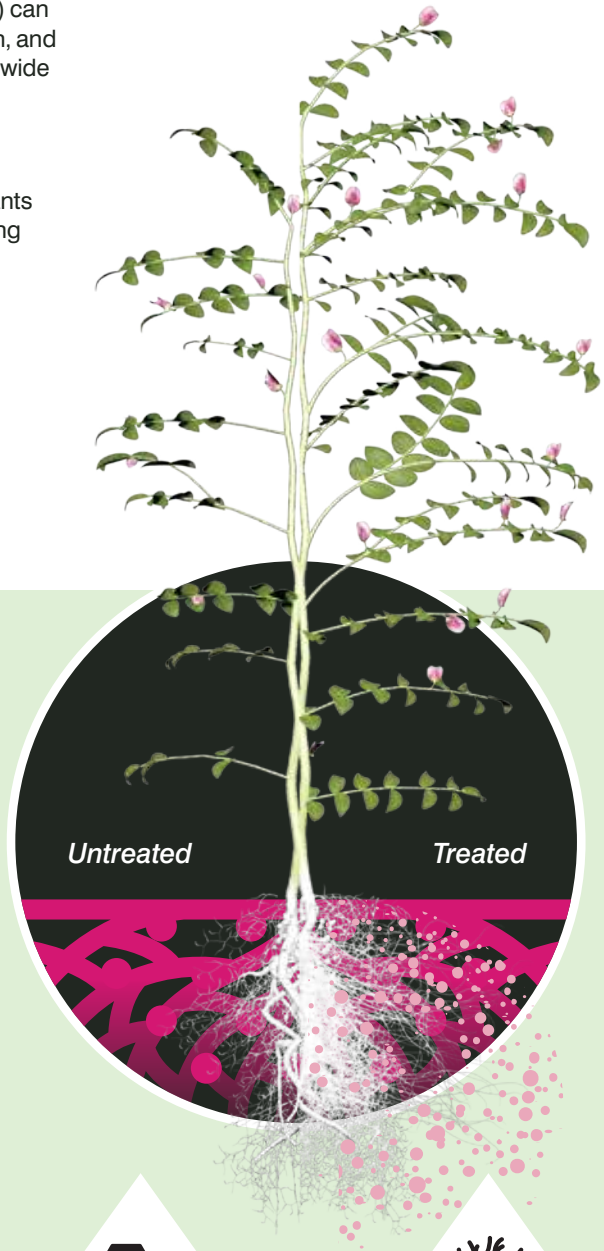
Arbuscular Mycorrhizal Fungi (AMF) can play an essential role in plant growth, and soil quality, enhancing the yield of a wide range of agricultural crops.

The fungal hyphae can spread throughout the soil surrounding the plant's root system, increasing a plants ability to explore soil areas, accessing water and nutrients.



Greatly improved soil structure through the production of humic compounds and organic 'glues' (glomalin) that bind soil into aggregates and improve soil porosity.

Enhanced phosphorus transport through the increased fungal network, that enables and maintains P transport to the plant for longer periods.

Improved water uptake.

Improved nutrient uptake.
Including phosphorus, iron and other partially soluble soil nutrients.

Substantially increased effective root mass.

No withholding periods.

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Nexus*Provide*

Horticultural Crops

Directions for Use

BEST PRACTICE TIPS	Nexus*Provide* Inoculant must come into contact with the growing root or seed to be effective.
	Spray apply with flood spray nozzles, with upstream 250 micron (0.25mm, 60 U.S. Mesh Size) screens to avoid blockages.
	Nexus*Provide* requires adequate agitation prior to and during application
PERIOD OF APPLICATION	Repeat applications are likely to have a cumulative effect on Mycorrhizal infection of root systems.
NOTATIONS	NexusProvide is not suitable for foliar application.
	NexusProvide is compatible with other microbial technologies offered by New Edge Microbials and may have synergistic beneficial effects on plants.
	See Application Rates Chart for crop specificity, application rates and application methodology.

Recommendations

OPTIMUM EFFICACY

Ensure constant agitation in tank.

SOIL CONDITIONS

To optimise performance, apply to moist soil.

APPLICATION COMPATIBILITY

Compatibility needs to be looked at from both a physical and biological stance, as microbes are living organisms.

Due to unknown formulation changes with other manufacturers beyond the control of New Edge Microbials, it is not possible to state an application compatibility claim.

Contact your representative for compatibility advice.

STORAGE AND SHELF LIFE

For best results, store between 5°C-25°C.

Store out of direct sunlight.

Do NOT freeze.

Do NOT allow powder to become damp during storage.

This is a stabilised live biological product and should be handled and stored accordingly. Store in original containers only.

Observe product label for expiry date.

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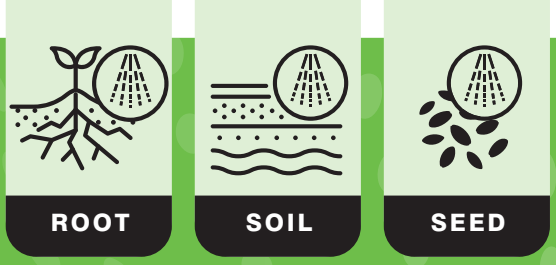

Application Rates & Methods

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Crop	Rate	Method	Critical Comments
All Cereals, Most Legumes, Sorghum, Maize & Cotton	100-150 g/ha	**Seed Treatment**	Apply directly to the seed prior to planting.
	100-150 g/ha	**Spray (Ground)**	Directly over row at emergence.
Pasture – Grazing	100-150 g/ha	**Seed Treatment**	Require crop specific recommendations? Contact your representative for individual technical advice.
Pasture – Dairy & Fodder	100-150 g/ha	**Seed Treatment**	Planting or renovation.
	100-150 g/ha	**Spray (Ground)**	Apply after cutting or post-grazing.
Pasture – Cover Cropping	100-150 g/ha	**Spray (Ground)**	Directly over row at emergence.
	100-150 g/ha	**Seed Treatment per 100kg seed**	Apply directly to seed ensuring even coverage.
Vegetable Crops Tomato, Capsicum, Lettuce, Chilli, Cucumber, Melon, Peanut, Carrot, Celery, Parsnip, Parsley, Potato, Coriander, Hemp and Hops	100-500 g/ha	**Seed Treatment**	Apply directly to the seed prior to planting.
	100-500 g/ha of seedlings	**Drench (Seedling)**	**Transplanting:** Drench seedlings in trays prior to transplanting (for plants growing longer than six weeks).
Berries Strawberry, Raspberry, Blackberry and Blueberry **Flowers & Bulbs**	100-500 g/ha	**Spray (Ground)**	**Planted:** Directly over planted rows at emergence. **Direct Seeded:** In-furrow injection, placed over seed.
Fruit & Nut Tree Crops Avocado, Lychees, Mangoes, Kiwifruit, Bananas, Paw Paw, and Viticulture Stone Fruit – including Plum, Peach, Apricot, Cherry Pome Fruit – including Apple, Pears Citrus, all; Nut Trees – including Almond, Hazelnut, Walnut, Pecan	0.5 - 2.5 g per sleeve, pot or plant, or, 100-500 g/ha	**Drench (Root)**	**New Planting – Apply up to 2 applications in 1st year:** 1. Application at planting. Pour mixture over the roots of the plant, or in sleeve (100 mL per plant). 2. Application 2-3 months after planting. Apply as a drench around the tree base. Ensure good agitation during application.
	0.5-2.5 g/plant or 100-500 g/ha	**Spray (Ground)**	**Established trees – Apply at the plant base:** One application per Spring (early to mid Summer) season. Up to 2.5g per plant.
Turf & Greens	100-150 g/ha of seed	**Seed Treatment**	Application at seeding from Spring through to late Summer.
	100-150 g/ha	**Spray (Ground)**	Directly over area at emergence or after cutting.
Hydroponics & Protected Cropping	0.5-2.5 g/plant or 100-500 g/ha	**Drench (Seedling) or Seed Treatment**	Apply to trays, pots or grow blocks at seeding. Up to 1 g per 10-20 plants growing longer than four to six weeks. Suggested up to 20 spores per seed - applied evenly to each seed or using a drench with medium-coarse nozzles.
	0.5-2.5 g/plant or 100-500 g/ha	**Drench (Root)**	Apply to blocks - for plants growing longer than six weeks and containing 1-5 established plants. Up to 100 spores per grow block or pots - evenly distributed.

NIL withholding period. *Do not open the pack until ready to use. Refer to the Safety Data Sheet (SDS) before using. Gloves and face masks should be used while preparing and applying the product.*

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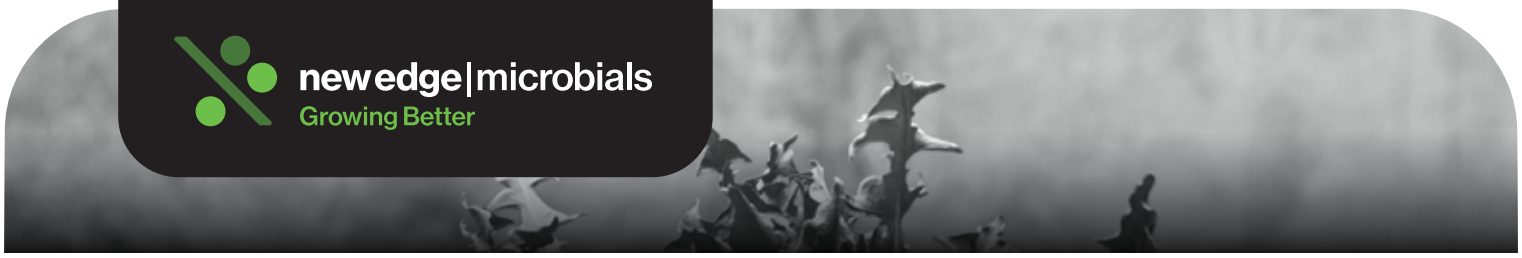
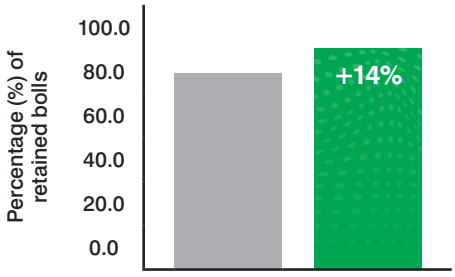


Broadacre crops

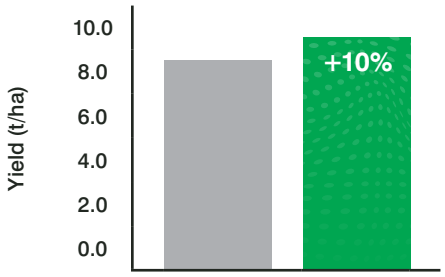
Cotton: Spray application (sprayed over soil mounds) of 150 g/ha of *Rhizophagus irregularis* MUCL57891 in Nexus*Provide* on cotton fields at time of sowing increased boll retention by 14% and final yield by 10%, representing a yield increase of 0.84 t/ha.

Source: NEM (2023/24, NSW, Australia)

Inoculation of cotton with *Rhizophagus irregularis* MUCL57891 in Nexus*Provide* increased boll retention by 14%



Inoculation of cotton with *Rhizophagus irregularis* MUCL57891 in Nexus*Provide* increased yield by 10%, representing an increased yield of 0.84 t/ha

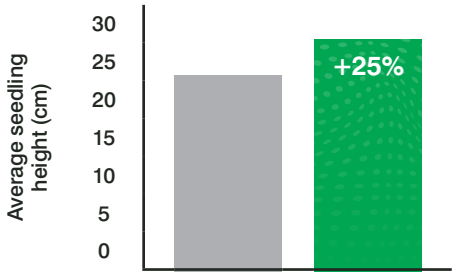


Pome (pip) fruit

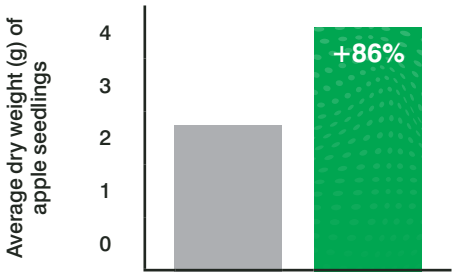
Apples: Application of 0.6g per plant (1200 spores per plant) of Rhizophagus irregularis MUCL57891 applied as a soil drench at time of planting increased the average plant height by +25% and weight by +86% after 12 weeks, representing an increase of approximately 6cm in height and 2g in weight.

Source: Lallemand (2003, France)

Inoculation of apple seedlings with *Rhizophagus irregularis* in Nexus***Provide*** increased height after 12 weeks by +25%



Inoculation of apple seedlings with *Rhizophagus irregularis* in Nexus*Provide* increased dry plant rate by +86% after 12 weeks

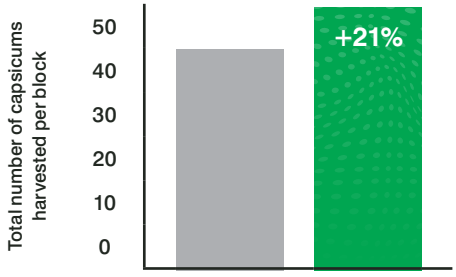


Field Vegetables

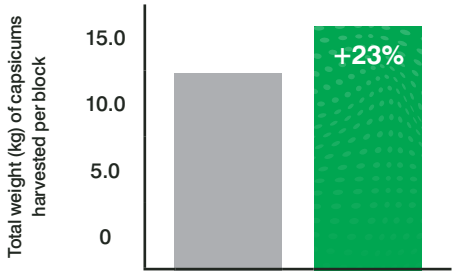
Capsicum, Sweet (bell) pepper: 0.028g per plant (56 spores per plant) of *Rhizophagus irregularis* MUCL57891 applied by drenching seedling trays increased the number of capsicums harvested by +21%, and the total harvested fruit weight by +23%.

Source: Lallemand (2006, Spain)

Inoculation of capsicums with *Rhizophagus irregularis* MUCL57891 in NexusProvide increased total number of capsicums harvested by +21%



Inoculation of capsicums with *Rhizophagus irregularis* MUCL57891 in NexusProvide increased the harvested fruit weight by +23%



Rhizophagus irregularis MUCL57891

Untreated control

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Customer Technical Support: Speak with our friendly support team if you need to seek specialist or product compatibility advice.

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