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R-MAX

FOR HEALTHY PLANTS AND A SUSTAINABLE FUTURE

October, 2024

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HIGHLIGHTS

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INTRODUCTION

Unlock the Power of Nature

Nourish Your Soil, Grow Your Success

AgriCare Technologies is a company dedicated to providing innovative, sustainable solutions for agriculture. Our products contribute to environmental conservation and ecosystem restoration, while enhancing plant health, productivity, and quality.

SDG 15: LIFE ON LAND

UNLOCK THE POWER OF NATURE FOR HEALTHY PLANTS

R-Max

A groundbreaking agricultural solution that leverages the power of Vesicular Arbuscular Mycorrhizal (VAM) fungi to enhance plant growth and soil health.

SDG 2: ZERO HUNGER

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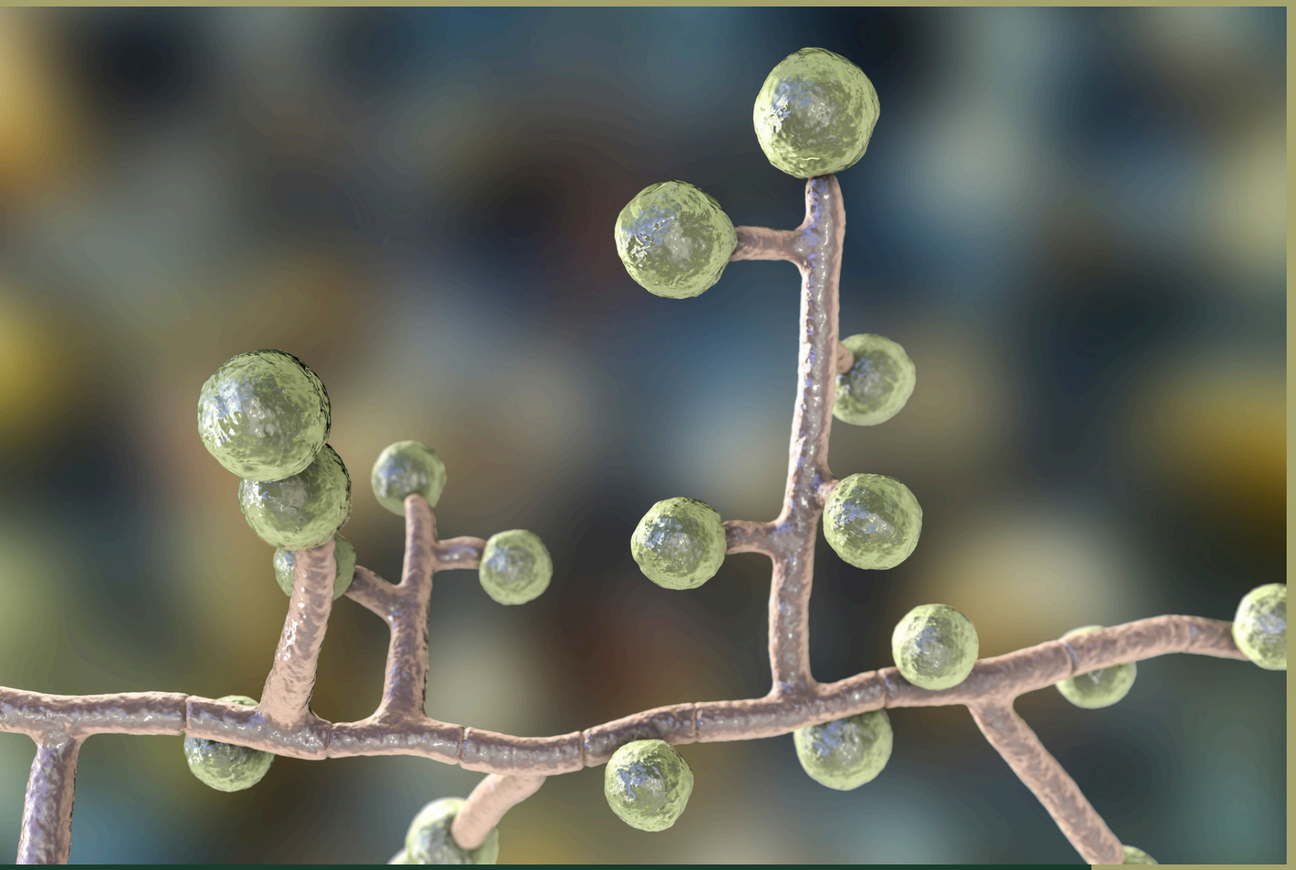

HOW R-MAX WORKS

R-Max utilises VAM fungi to enhance plant growth. VAM fungi form symbiotic relationships with plant roots, improving nutrient uptake and root development. This leads to healthier plants and increased yields.

SDG 3: GOOD HEALTH AND WELL-BEING

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BENEFITS

R-Max offers a range of benefits for plants and farmers. By leveraging the power of VAM fungi, R-Max promotes robust root growth, enhances nutrient uptake, and improves soil health. This leads to healthier plants, increased yields, and reduced reliance on chemical fertilisers and pesticides. R-Max also helps plants to better withstand environmental stresses, such as drought and salinity.

SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

R-MAX INCREASE CROP YIELD

- Improved Root Growth
- Enhanced Nutrient Uptake
- Increased Soil Health
- Enhanced Disease Resistance
- Improved Drought Tolerance

INCREASED CROP YIELD

Improved Root Growth

R-Max promotes robust root growth, enabling plants to access more nutrients and water from the soil, leading to healthier and stronger plants.

Enhanced Nutrient Uptake

R-Max helps plants access essential nutrients, like phosphorus and micronutrients, that they can't usually get on their own, improving overall plant health.

Increased Soil Health

R-Max improves soil health by boosting microbial activity, enhancing soil structure, and increasing organic matter. This benefits water retention, nutrient cycling, and reduces erosion.

Enhanced Disease Resistance

VAM fungi can help plants to develop stronger natural defenses against diseases and pests, reducing the need for chemical treatments.

Improved Drought Tolerance

R-Max can help plants to better withstand drought conditions by enhancing their ability to absorb water and nutrients from the soil.

SDG 13 CLIMATE ACTION

WATER EFFICIENCY

Enhancing water absorption and retention in the soil

SDG 6 CLEAN WATER AND SANITATION

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Improved Root Architecture

- VAM fungi enhance root networks.
- Expanded roots enable greater water absorption.
- Deeper roots reduce effects of surface water shortages.

Increased Water Retention

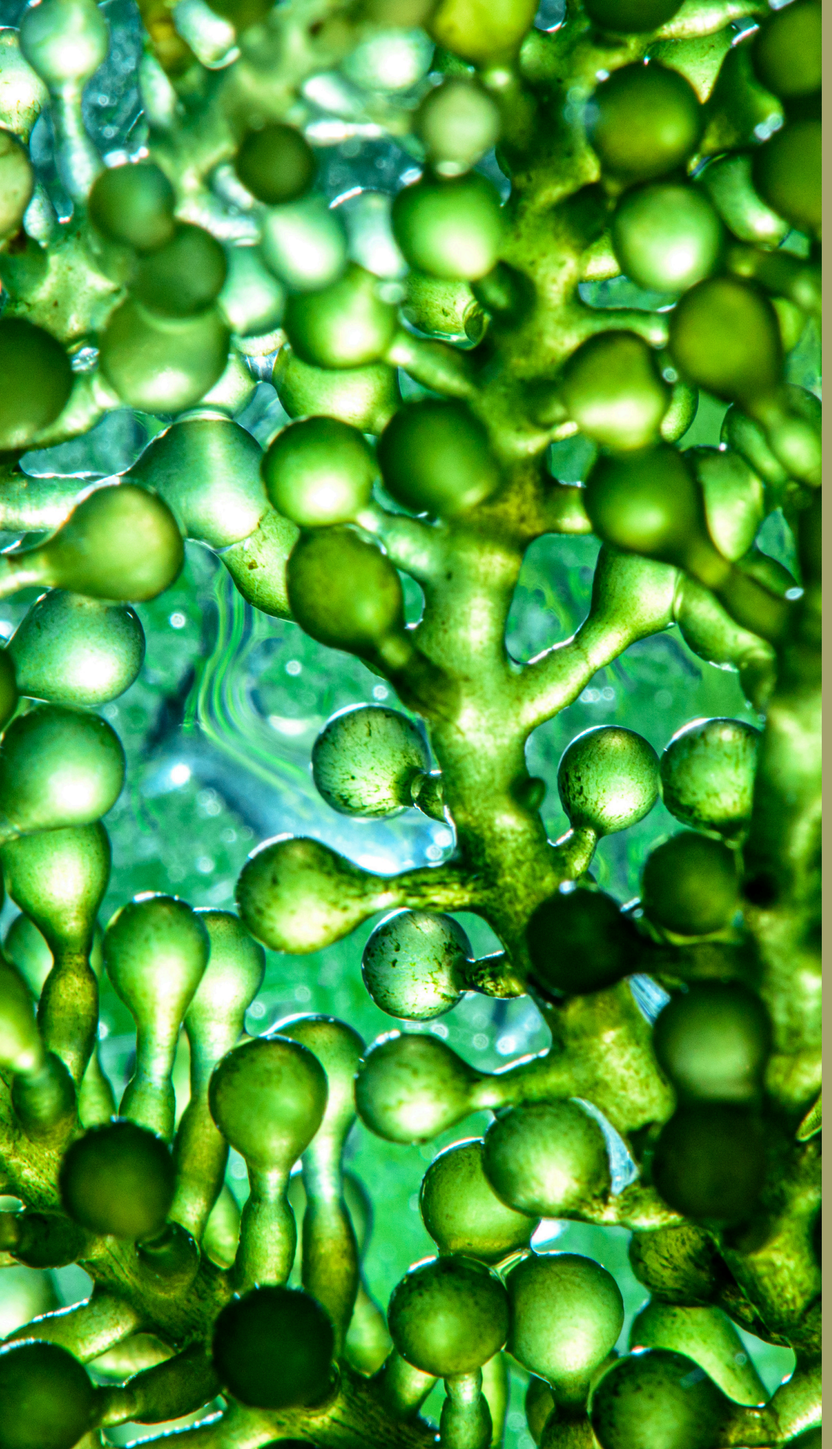
- VAM fungi enhance soil structure by promoting aggregate formation.
- Aggregates improve soil water retention, minimizing runoff and leaching.

Reduced Transpiration

- R-Max enhances nutrient uptake and plant health, indirectly reducing transpiration.
- Healthier plants with better nutrient absorption improve stomatal control, minimizing water loss.

Nutrient Cycling and Water Use Efficiency

- VAM fungi enhance nutrient cycling and plant nutrient uptake.
- They lower the need for fertilizers, reducing water pollution and nutrient leaching.



VALUE PROPOSITION

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Enhanced Plant Health and Productivity

R-Max boosts root growth, nutrient uptake, and overall plant health, resulting in higher yields and better-quality crops.

Improved Soil Health

R-Max enhances soil structure, boosts organic matter, and promotes microbial activity for healthier, more productive soils.

Reduced Environmental Impact

R-Max helps reduce chemical fertilizers and pesticides, minimizes water waste, and promotes sustainable agriculture.

Increased Profitability

R-Max boosts farmers' profitability by enhancing crop yields, improving quality, and reducing input costs.

Long-term Sustainability

R-Max enhances agricultural sustainability by promoting soil health and minimizing synthetic input usage.

SDG REFERENCES

AgriCare Technologies is committed to sustainable agriculture and aligns with several Sustainable Development Goals (SDGs), including:

R-Max enhances food security & reduces hunger by increasing crop yields & promoting sustainable farming practices.

R-Max promotes healthy & sustainable food production for farmers & consumers.

R-Max can help to improve water use efficiency and reduce water pollution, contributing to clean water and sanitation.

R-Max promotes sustainable resource management and reduces the use of harmful chemicals in agriculture.

R-Max aids in mitigating climate change by cutting greenhouse gas emissions & promoting sustainable land management.

R-Max contributes to the protection & restoration of terrestrial ecosystems by improving soil health & biodiversity.

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Building a More Sustainable and Equitable Future

THANK YOU

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