



ABUNDIGRO
pure performance



AGRICULTURAL SOLUTIONS

ABUNDIGRO

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Colour Enhancement

Boosts vibrant crop pigmentation through enhanced photosynthesis, nutrient stimulation and uptake.

Stress Resilience

Increases crop tolerance to environmental stressors like drought and temperature extremes.

Nutrient Efficiency

Optimizes nutrient uptake and promotes a balanced, healthy soil microbiome for better crop productivity.



CHAMPION
Soil Conditioner

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Root Growth

Promotes deeper, stronger root development for healthier and more resilient crops.

Stress Tolerance

Improves crop resilience to salinity, heat, and water stress for better yields.

Soil Health

Enhances microbial activity, improving soil fertility and structure for sustainable farming.



UKELP
Stress Less, Grow More

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Structural Integrity

Strengthens plant cell walls, improving crop durability and protection against lodging.

Stress Resistance

Enhances resilience to environmental stresses, ensuring uniform growth and yield.

Nutrient Absorption

Boosts calcium and silica uptake for firmer fruits, healthier crops, and better post-harvest quality.



GLADIATOR
Shield, Strengthen, Succeed

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MANNA

Natures Nurturing Nutrition

Balanced Nutrition

NPK ratio and trace elements support robust crop growth and health.

Soil Structure Improvement

Humic and fulvic acids enhance soil structure, aeration, and water retention.

Microbial Diversity

Beneficial bacteria boost nutrient cycling and promote soil fertility.

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BATTALION

Microbes That Matter

Battalion has five different strains of Bacillus: 4×10^{10} cfu/ml

Disease Suppression

Suppresses crop diseases by activating natural plant defenses and reducing pathogens.

Root Strengthening

Promotes deeper, stronger roots for improved drought tolerance and nutrient uptake.

Nutrient Efficiency

Solubilizes phosphorus and fixes nitrogen, reducing reliance on synthetic fertilizers.

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**SUPER
SURFER**

Better Wetter Buffer

Water Penetration Improvement

Reduces surface tension, ensuring even water distribution in soils.

pH Buffering

Stabilizes soil pH, optimizing nutrient availability for healthier crops.

Foliar Nutrient Absorption

Improves the efficiency of foliar-applied nutrients, boosting crop performance.

WHAT IS CHAMPION?

Champion is a nutrient-rich protein solution designed to enhance crop vitality, quality, and yield through organic means. Comprising 55% protein hydrolysate, 21% fulvic acid dilution, 21% cold pressed Ukelp, flavonoids from Genesis C4L Technology, and citric acid.

Champion provides a comprehensive nutrient boost. It delivers a balanced supply of essential amino acids and microelements, promoting robust plant growth, stress tolerance, and improved soil health for optimal crop performance.

BENEFITS

- **Enhanced Chlorophyll Density:** Champion increases chlorophyll production, boosting photosynthetic efficiency for healthier, greener crops.
- **Systemic Acquired Resistance (SAR) Activation:** Specialized flavonoids activate plant immune responses, enhancing natural disease resistance.
- **Antioxidant Defense and Stress Tolerance:** Fulvic acid and flavonoids reduce oxidative damage, improving crop resilience to drought and heat.
- **Optimized Nutrient Uptake and Root Health:** Fulvic acid and seaweed extract enhance nutrient availability, promoting stronger roots and healthier soil-plant interactions.

MODE OF ACTION

- **Flavonoid Activation through Genesis C4L Technology:** Flavonoids interact with plant signaling pathways, triggering defense and growth responses at the cellular level.
- **Hormone Regulation for Growth and Resilience:** Seaweed extracts balance auxin and cytokinin levels, supporting root growth and stress tolerance.
- **Microbial Synergy in the Rhizosphere:** Champion boosts beneficial microbial populations, enhancing soil structure and nutrient cycling.
- **Stress Signaling and Defense Activation:** Bioactive compounds activate stress signaling pathways, preparing crops for abiotic challenges while maintaining plant health.

COLOUR & APPEARANCE:

Golden brown.

APPLICATION RATE & INSTRUCTIONS

10ℓ per Ha

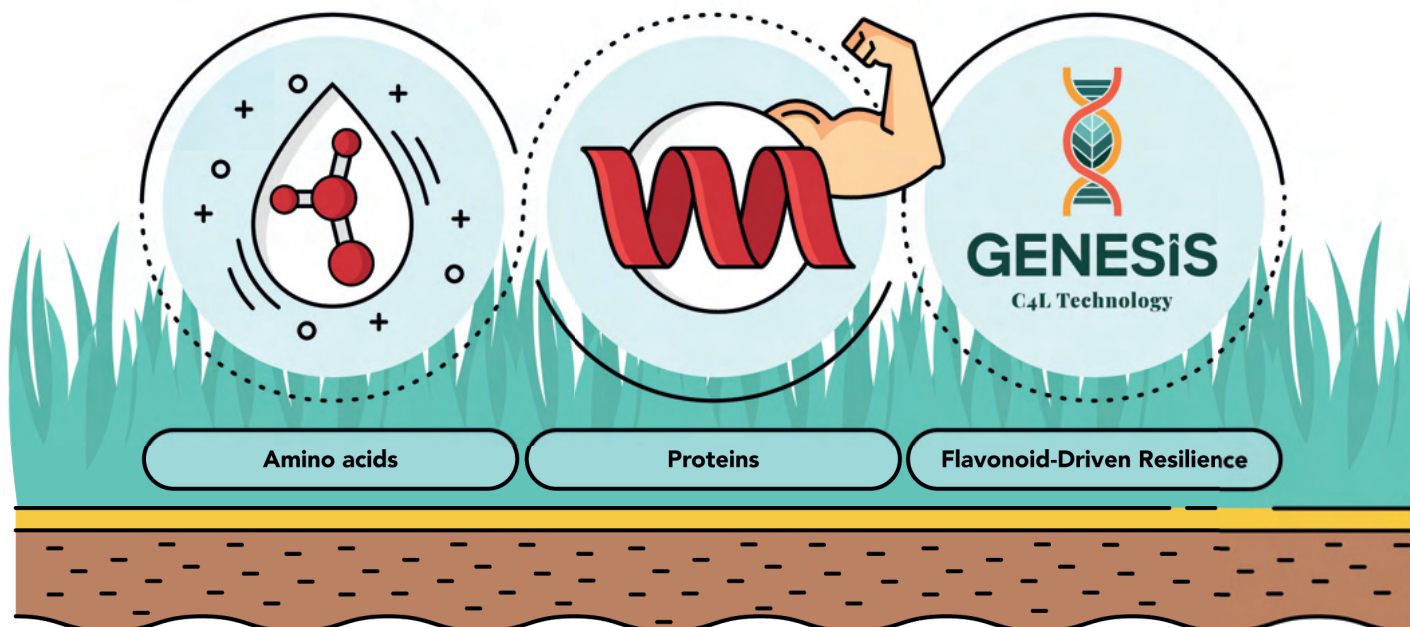
Dilute and apply 10ℓ per Ha monthly, suitable for both foliar application and soil incorporation to meet the specific needs of various crop types

COMPATIBILITY

Champion can be used safely in conjunction with all products that do not disrupt beneficial biological interactions within the soil and crop ecosystem.



COMPLIANCE: Approved for restricted use in organic systems in accordance with EC regulation 834/2007 and 889/2008 by Organic Farmers & Growers.



WHAT IS UKELP?

Ukelp, a cold-pressed *Ecklonia maxima* kelp suspension, optimizes crop productivity by enhancing plant growth, resilience to abiotic stress, and overall soil health. This solution enriches crops with amino acids, polysaccharides, betaines, and sterols, essential for promoting robust root systems, stress management, and sustainable agricultural practices.

BENEFITS

- **Enhances Crop Performance:** Boosts productivity through nutritional optimization, supporting healthier, more vigorous plant growth.
- **Mitigates Abiotic Stress:** Improves crop resilience to environmental challenges, such as drought, salinity, and temperature fluctuations.
- **Improves Soil Health:** Enriches soil with organic matter, enhancing its structure and nutrient-holding capacity.
- **Supports Sustainable Farming:** Promotes eco-friendly farming practices with its natural, biodegradable composition.

MODE OF ACTION

- **Nutrient Delivery:** Supplies essential micronutrients, amino acids, and enhances plant growth hormone synthesis.
- **Stress Resistance:** Activates stress resistance pathways, improving plant tolerance to adverse abiotic and biotic conditions.
- **Soil Microbial Activity:** Stimulates beneficial soil microbes, improving nutrient cycling and soil structure.
- **Root and Shoot Development:** Encourages vigorous root and shoot growth through natural growth promoters and hormonal activity.

COLOUR & APPEARANCE:
Green liquid. Suspension concentrate.

APPLICATION RATE & INSTRUCTIONS

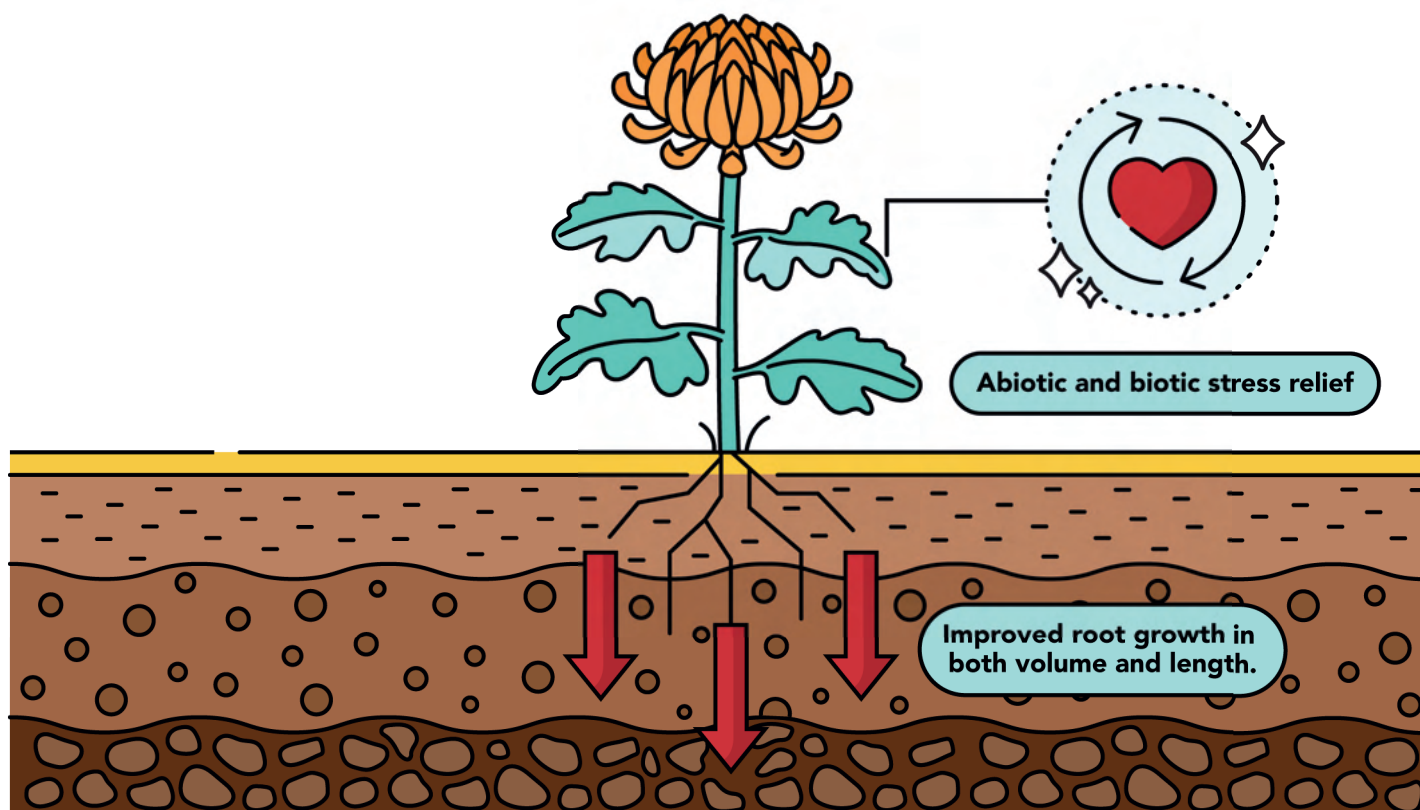
Consult the label for application instructions

COMPATIBILITY

Ukelp can be used safely in conjunction with all products that do not disrupt beneficial biological interactions within the soil and turf ecosystem.



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GLADIATOR

Shield. Strengthen. Succeed

WHAT IS GLADIATOR?

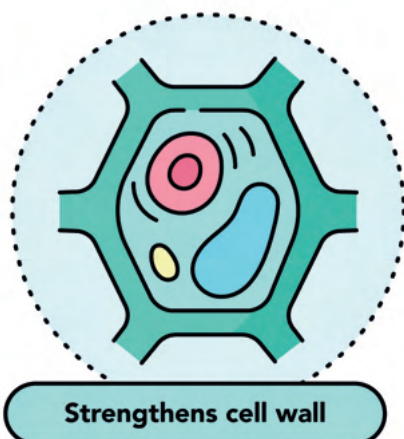
Gladiator is a stabilized formula of mono-silicic acid, calcium, and boron, specifically designed to optimize plant health and resilience. Manufactured in a GMP-certified facility in The Netherlands, Gladiator is scientifically proven to enhance nutrient uptake, strengthen cell walls, and improve crop resistance to biotic and abiotic stresses. It supports robust growth, yield improvement, and extended shelf life for agricultural crops.

BENEFITS

- **Rapid Calcium Absorption:** Ensures quick calcium uptake, improving internal structure and plant cell walls.
- **Enhanced Stress Resistance:** Reduces transpiration and strengthens natural defenses against fungi, bacteria, and insects.
- **Improved Water Management:** Optimizes internal water regulation, enhancing drought tolerance and nutrient transport.

MODE OF ACTION

- **Nutrient Management:** Facilitates absorption and transport of essential nutrients like calcium, phosphorus, potassium, and magnesium, promoting balanced crop nutrition.
- **Calcium Correction:** Quickly addresses calcium deficiencies, supporting strong vascular systems and cell wall integrity.
- **Resistance Enhancement:** Deposits silicon in the plant cuticle, reinforcing natural defenses against fungal, bacterial, and insect attacks.
- **Transpiration Reduction:** Minimizes epidermal water loss, improving internal water use efficiency and stress tolerance.



Improves vascular system

COLOUR & APPEARANCE:

Clear liquid.

APPLICATION RATE & INSTRUCTIONS

Foliar Application:

- Standard dosage: 500 ml/ha.
- Apply 4-6 treatments per season, depending on crop requirements.
- Dilute in 300 to 1000 liters of water per hectare.
- Add Gladiator to clean water first, mix thoroughly, and apply within 4 hours.

Root Application

- Weekly: Dilute at a ratio of 1:5000.
- With every watering: Dilute at a ratio of 1:10,000.

COMPATIBILITY

Gladiator is compatible with most traditional foliar treatments. Always perform a compatibility test when mixing with other products. Avoid mixing with products that contain high levels of cations or reactive agents without prior testing.

WHAT IS MANNA 9:4:7?

Manna 9:4:7 is a highly effective, organic-based liquid biostimulant for agriculture. It is formulated to provide essential nutrients, enhance crop resilience, and improve soil health. The product integrates cutting-edge Genesis C4L technology and a consortium of beneficial Bacillus strains, optimized to support vigorous crop growth and yield.

BENEFITS

- **Optimizes Nutrition:** Enhances nutrient availability, absorption, and root development for healthier crops.
- **Boosts Resilience:** Strengthens tolerance to drought, salinity, and pathogens.
- **Increases Yield and Quality:** Promotes higher productivity and superior crop quality.
- **Enhances Soil Health:** Improves soil structure, microbial activity, and overall rhizosphere balance.
- **Supports Sustainability:** Reduces dependency on synthetic fertilizers and chemicals, fostering eco-friendly practices.

MODE OF ACTION

- **Nutrient Supply:** Provides essential macro and micronutrients for optimal crop nutrition.
- **Root Stimulation:** Amino acids and seaweed extracts enhance root development and nutrient uptake.
- **Soil Health Improvement:** Humic and fulvic acids improve soil structure and water retention.
- **Stress Resilience:** Genesis C4L technology induces Systemic Acquired Resistance (SAR), helping plants tolerate stress and optimize photosynthesis.
- **Microbial Enhancement:** Bacillus strains promote a healthy soil microbiome, aiding nutrient cycling and natural disease suppression.

CHEMICAL ANALYSIS:

N (Total Nutriogen - DUMAS)	8.62%	Na (Sodium)	3163 mg/kg	Zn (Zinc)	1310 mg/kg
Fulvic Acid	6%	S (Sulphur)	1.08%	B (Boron)	515 mg/kg
Humate	13%	P (Phosphorus)	4.65%	Mo (Molybdenum)	173.18 mg/kg
Ca (Calcium)	0.04%	Fe (Iron)	1024 mg/kg	pH	3.9
Mg (Magnesium)	0.86%	Mn (Manganese)	793 mg/kg	Calculated Carbon	23.73%
K (Potassium)	6.02%	Cu (Copper)	183 mg/kg	Ash	20.39%

COLOUR & APPEARANCE:
Dark brown, homogeneous liquid.

APPLICATION RATE & INSTRUCTIONS

General rate: 10 - 20ℓ per Ha

Application timing: Apply bi-weekly or monthly to optimize nutrient uptake and improve stress resilience.

Method: Suitable for foliar application or soil drenching.

Frequency: Adjust application based on crop requirements and environmental conditions.

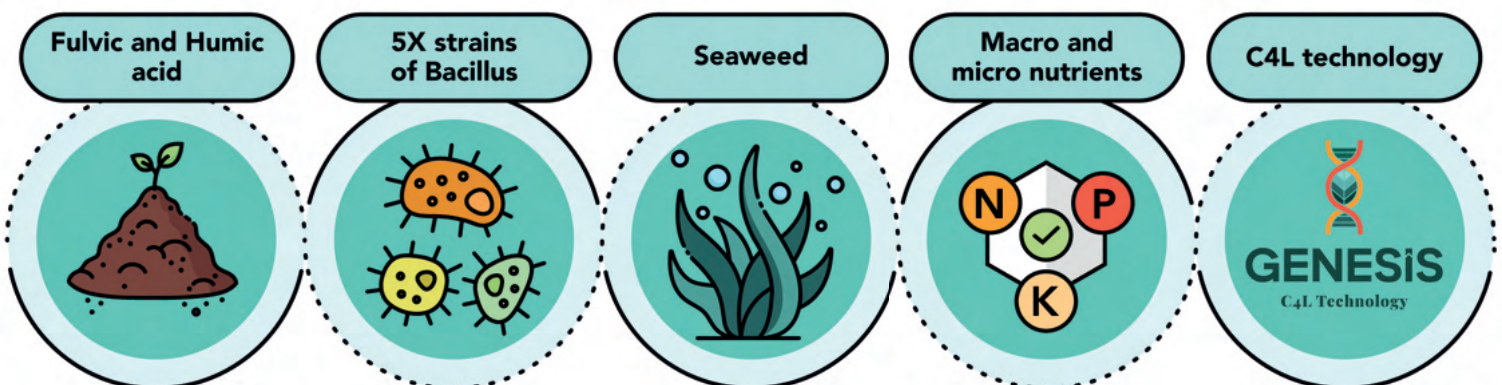
Density: 1.25 g/ml at 20.4 °C

COMPATIBILITY

Manna 9:4:7 is compatible with most agricultural inputs. However, it is advisable to perform a jar test or consult a technical advisor before mixing with other chemical agents for the first time. Avoid mixing with highly acidic or alkaline products without prior testing.



COMPLIANCE: Approved for restricted use in organic systems in accordance with EC regulation 834/2007 and 889/2008 by Organic Farmers & Growers.



WHAT IS BATTALION?

Battalion is a powerful microbial product that boosts your soil's health and helps crops grow stronger and healthier. It's packed with five specially selected *Bacillus* bacteria strains that work together to protect your plants, improve nutrient uptake, and fight off harmful soil diseases. Think of it as a natural, sustainable way to grow better crops with less reliance on chemicals.

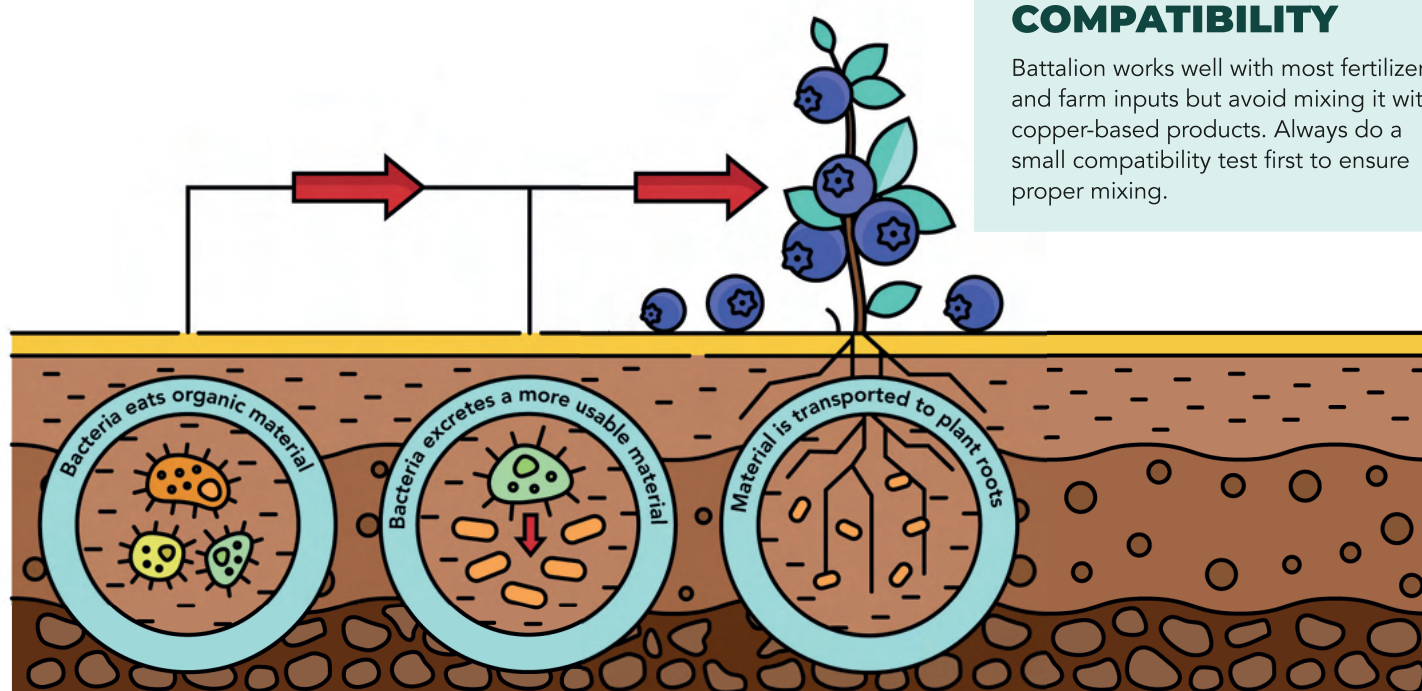
BENEFITS

- **Grow Stronger Crops:** Promotes bigger, healthier roots and stronger shoots for higher yields.
- **Fight Diseases Naturally:** Keeps harmful fungi and soil diseases in check so your crops stay healthy.
- **Better Nutrition:** Turns soil nutrients like phosphorus and nitrogen into forms your plants can easily use.
- **Handle Stress Like a Pro:** Helps plants survive tough conditions like drought and poor soil.
- **Farm Smarter:** Reduces the need for chemical fertilizers and pesticides, making your farm more sustainable.

MODE OF ACTION

Battalion works through several complementary mechanisms:

- **Disease Suppression:** Produces natural compounds to protect crops from soil diseases.
- **Feeds Plants:** Turns locked-up nutrients like phosphorus and iron into forms your plants can use.
- **Builds a Protective Barrier:** Forms a shield around roots, keeping them safe from harmful microbes and helping them absorb more nutrients.



COLOUR & APPEARANCE:

Light amber colour.

ACTIVE INGREDIENTS:

Battalion has five different strains of *Bacillus* species: 4×10^{10} cfu/ml

These strains are selected for their ability to enhance plant growth and suppress soil-borne diseases.

Bacillus amyloliquefaciens

Bacillus laterosporus

Sub-species of *B. laterosporus*

Bacillus licheniformis

Sub-species of *B. licheniformis*

APPLICATION RATE & INSTRUCTIONS

50 ml per Ha

Apply 50 ml per hectare with water as a soil drench or in-furrow application.

Battalion can be applied at any time during the growing season, depending on the crop's needs.

For optimal results, repeat the application every 3-4 weeks.

COMPATIBILITY

Battalion works well with most fertilizers and farm inputs but avoid mixing it with copper-based products. Always do a small compatibility test first to ensure proper mixing.

WHAT IS SUPER SURFER?

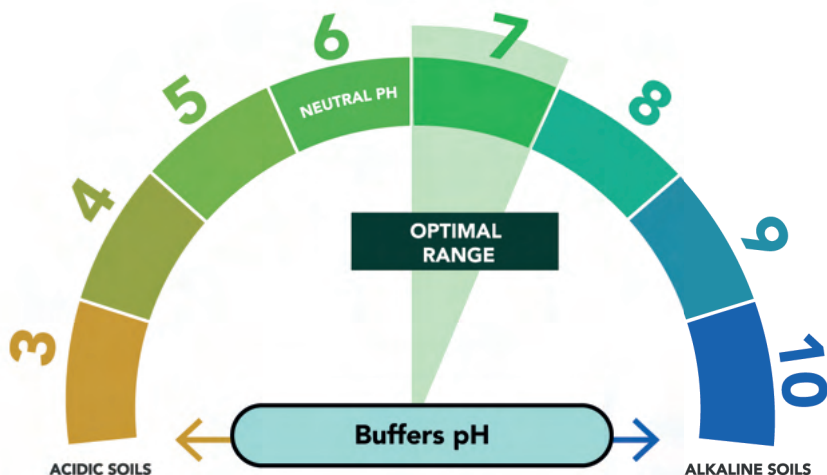
Super Surfer is a natural surfactant designed for agriculture that improves spray application efficiency for crops. It ensures even distribution of nutrients, enhances nutrient absorption, and adjusts pH for healthier and more productive plants.

BENEFITS

- **Better Spray Coverage:** Makes sure sprays spread evenly and soak deeper into the soil.
- **Perfect pH:** Adjusts water to the ideal pH (5.5) for your turf to absorb nutrients better.
- **Feeds Your Turf:** Supplies key nutrients like nitrogen and phosphorus for strong growth.
- **Easy Water Absorption:** Reduces water tension so it soaks in easily and reaches the roots.

MODE OF ACTION

- **Spreads Evenly:** Ensures every part of the turf gets what it needs.
- **Balances pH:** Adjusts water to the best level for healthy plants.
- **Adds Nutrition:** Delivers essential nutrients for better growth.
- **Deeper Penetration:** Helps water and nutrients move deeper into the soil for better root health.



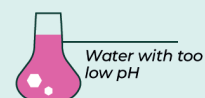
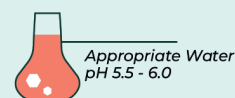
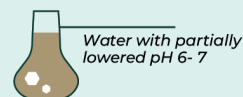
COLOUR & APPEARANCE:

Dark red liquid.

APPLICATION RATE & INSTRUCTIONS

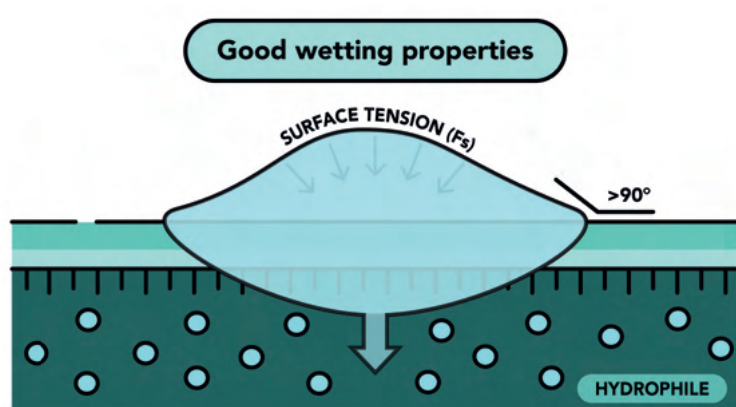
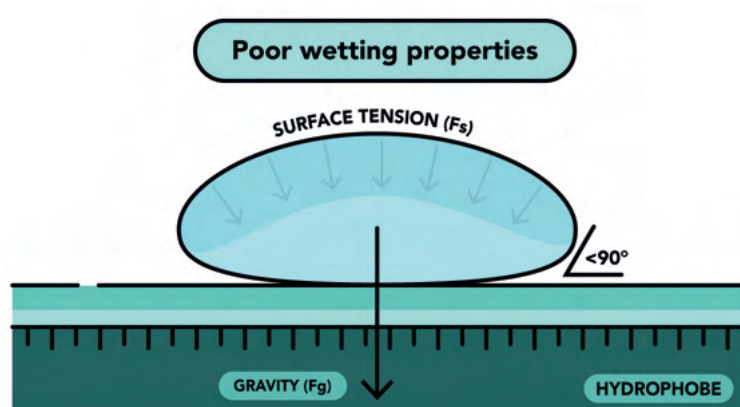
80-120ml per 100ℓ of water

1. Fill your spray tank **halfway** with water.
2. Add Super Surfer and stir until the solution turns **slightly pink**.
3. Check the pH using the color guide on the label. Adjust to **pH 5.5**.
4. If unsure about pH, use 100ml per 100ℓ as a standard rate.



COMPATIBILITY

Super Surfer works great with most fertilizers, pesticides, and bio-stimulants. Always check compatibility before mixing with other products.





ABUNDIGRO
nurturing soil biology

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**SUPER
SURFER**
Better Wetter Buffer



CHAMPION
Soil Conditioner



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