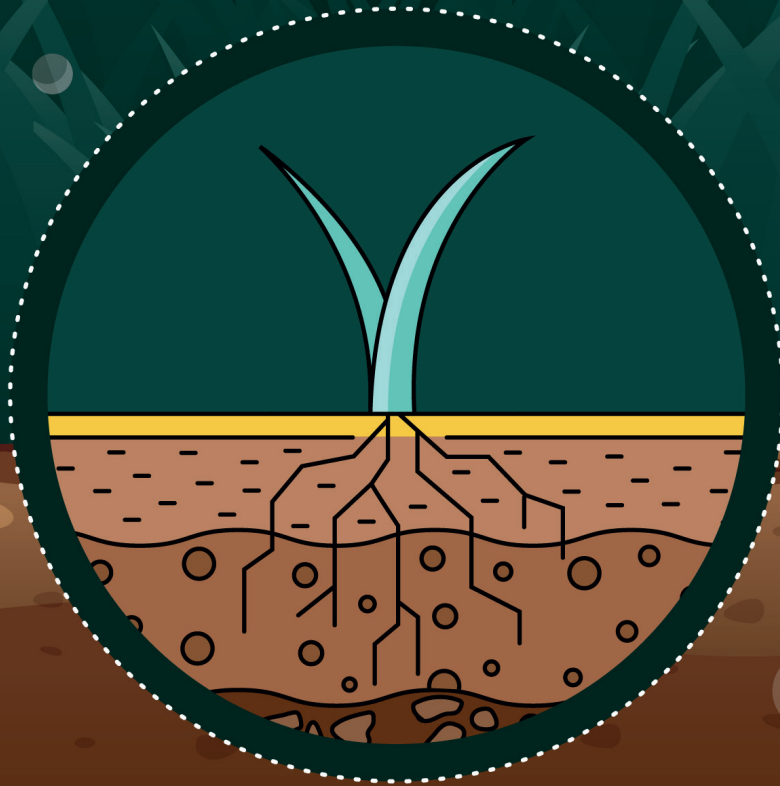




ABUNDIGRO
pure performance



**FOR
PREMIER TURF
PERFORMANCE**

ABUNDIGRO

Testimonials

Products that boost performance

London Stadium

Having now worked with the Abundigro products for a couple of years, I've seen clear value in the way they target specific turf management needs. OxyTurf in particular has been pivotal — we've needed far less topdressing, moisture levels in the soil profile have been more consistent, and disease pressure has been kept at bay. It's become a real foundation of our programme.

Champion with the Genesis C4L Technology has given us that extra lift and colour, stimulating plant defence and stress tolerance, while Gladiator has improved structural integrity and recovery under stress. Ukelp remains an excellent all-rounder, driving resilience and growth with consistency. Together, these products have offered a reliable and innovative set of tools that integrate well into our robust fertiliser schedule.

I'm very pleased with the progress we've made with Abundigro's support, and I look forward to continuing to build on these results moving forward.

James Williams
Head Groundsman

AS Monaco FC & Cercle Brugge FC

After years of working with Luke and the Abundigro range, I've seen how his unique approach to biological support and innovation has added real value to our programmes on both sites.

It's a rare thing to find a partner who combines passion with real innovation, but Luke's responsibility to the turf and his drive for improvement give me confidence that we'll continue pushing the standards of elite pitch performance even further.

Declan Robinson
Pitch Manager



PRODUCT INDEX

- Increased Root Zone Oxygenation
- Thatch Degradation
- Improved Percolation
- Root Growth
- Stress Tolerance
- Soil Health
- Balanced Nutrition
- Soil Structure Improvement
- Microbial Diversity
- Balanced Nitrogen Release
- Potassium-Driven Resilience
- High-Performance Recovery
- Sludge-Digesting
- Nutrient-Reducing
- Eco-Remediating

Have a look at our
Turf Performance Programs:
Soil Drench Conditioning | Foliar Pre-Match Stress Relief Spray
Disease Suppression | Thatch Degradation & Black Layer



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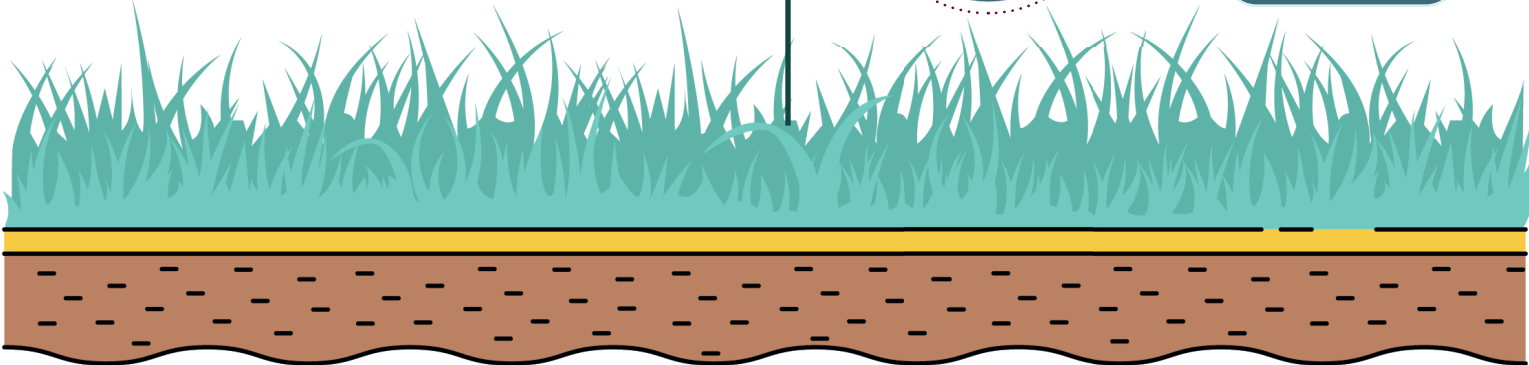
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- Colour Enhancement
- Stress Resilience
- Nutrient Efficiency
- Structural Integrity
- Stress Resistance
- Nutrient Absorption
- Disease Suppression
- Root Strengthening
- Nutrient Efficiency
- Water Penetration Improvement
- pH Buffering
- Foliar Nutrient Absorption
- Oxygen-Releasing
- Pipe-Cleaning
- Biofilm-Reducing



ABUNDIGRO

Turf Performance Programs

Simple and effective solutions to improve your turf's health, appearance, and resilience. Follow these straightforward programs for exceptional results on your greens and pitches.



Soil Drench Conditioning Program



Purpose

Rebuilds soil health, microbial balance, and sustained turf resilience from the root zone up.



Key Benefits

1. Cleaner, biologically active soil environment.
2. Deeper rooting and rhizosphere stimulation.
3. Optimized nutrient uptake and plant immunity (SAR & ISR).



Usage per Application PER HA

OXYTURF

10ℓ - 20ℓ

Aerates soil, cleans profile, improves resilience.

BATTALION

50mℓ

Bacillus-powered breakdown of organics and pathogen suppression.

UKELP

5ℓ

Boosts root growth and stress relief.

MANNA

20ℓ - 40ℓ

Balanced nutrition with C4L for rapid regeneration.

SUPER SURFER

2ℓ

Improves infiltration and nutrient movement.

SUNSHINE

20ℓ

Summer N-K boost for vigorous roots.



How Often

Apply every 3–4 weeks

Wash in with 3–5 mm of irrigation or light rainfall, ideally early morning or late afternoon.



Foliar Pre-Match Stress Relief Spray Program



Purpose

Rapidly enhances turf health, colour, and stress resilience ahead of high-impact play.



Key Benefits

1. Deep green, lush, professional-grade turf.
2. Stronger, stress-tolerant grass under pressure.
3. Faster recovery after matches and high traffic.



Usage per Application PER HA

OXYTURF

10ℓ

Supports topdressing integration, dries up the top layer and improves drainage.

CHAMPION

10ℓ

Intensifies turf colour and vitality.

UKELP

5ℓ

Enhances stress tolerance and rapid recovery.

GLADIATOR

1ℓ

Increases ball speed, turf strength, vitality.

SUPER SURFER

500mℓ

Enhances spray efficiency, coverage and pH.

MANNA

20ℓ - 40ℓ

Provides balanced, organic nutrition and improved photosynthesis.

SUNSHINE

20ℓ

Warm-season N-K feed for rapid recovery.



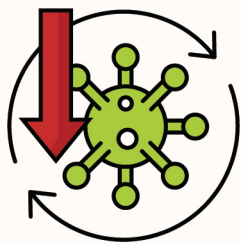
How Often

Every 3 - 4 weeks, 10 - 14 days after Soil Drench.

Spray during cool morning or late afternoon; irrigate next day with 3–5 mm to wash in residue.

Simple Instructions for All Programs

1. Mix products in the recommended order, starting with water and adding each product gradually.
2. Follow the dilution rates provided.
3. Apply evenly using a sprayer or irrigation system.
4. Adjust frequency based on turf condition and seasonal needs.



Disease Suppression Program



Purpose

Prevent diseases and build a healthier soil environment.



Key Benefits

1. Reduced disease pressure and healthier turf.
2. Stronger, more resilient roots and plants.
3. Improved soil health and long-term performance.



Usage per Application

PER HA

OXYTURF

20ℓ

Oxygenates the soil to fight anaerobic conditions.

BATTALION

50mℓ

Suppresses harmful pathogens and enhances microbial activity.

UKELP

5ℓ

Builds resilience and supports healthy roots.

GLADIATOR

1ℓ

Reinforces cell walls to reduce stress.

SUPER SURFER

500mℓ

Improves spray application and product absorption.



How Often

Apply every 10 to 14 days, can be applied with foliar program.

WHY CHOOSE ABUNDIGRO PROGRAMS?

Simple and Effective:

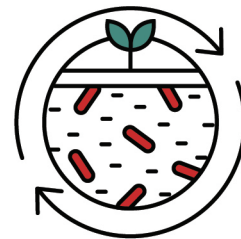
Easy-to-follow steps for superior results.

Scientifically Backed:

Products designed to solve real turf challenges.

Trusted by Professionals:

Used by top groundsman and greenkeepers across the industry.



Thatch Degradation & Black Layer Program



Purpose

Break down thatch and eliminate black layer for a cleaner, healthier soil profile.



Key Benefits

1. Faster thatch breakdown and improved drainage.
2. Healthier soil with better water flow.
3. Cleaner, more breathable soil profile.



Usage per Application

PER HA

OXYTURF

20ℓ - 40ℓ

Breaks black layer, oxygenates, activates microbes.

BATTALION

50mℓ

Breaks down thatch, boosts biology, restores balance.

UKELP

5ℓ

Promotes recovery and root-zone health.

SUPER SURFER

500mℓ

Enhances spray efficiency and coverage.



How Often

Every 2-4 weeks or as needed.



WHAT IS OXYTURF?

OxyTurf offers an innovative approach to boosting sports turf performance by enhancing soil aeration, nutrient uptake, and turf health. This advanced solution optimizes soil structure, water percolation, and microbial activity, leveraging oxygen release to revitalize and enrich soil and turf health and performance. OxyTurf leverages the natural power of oxygen release to rejuvenate and enrich soil, making it more fertile and productive.

BENEFITS

- **Enhanced Soil Aeration:** Promotes optimal oxygen levels in soil for vigorous root development.
- **Improved Water Percolation:** Facilitates efficient water infiltration, reducing surface waterlogging.
- **Organic Breakdown:** Accelerates organic matter breakdown, mitigating thatch build-up for healthier turf.
- **Compaction Relief:** Alleviates soil compaction, enhancing porosity and root penetration.

MODE OF ACTION

- **Oxygen Release:** Stabilized oxygen formulation increases soil oxygenation, stimulating aerobic microbial activity.
- **Organic Decomposition:** Catalyzes the breakdown of organic matter, improving nutrient availability and soil structure.
- **Enzymatic Activation:** Invokes peroxidase enzymes, facilitating the conversion of organic compounds, enhancing soil fertility.
- **Microbial Stimulation:** Encourages beneficial microbial growth, vital for nutrient cycling and root health.

ENVIRONMENTAL IMPACT

Non-toxic Composition: OxyTurf is designed to be safe for the environment, non-toxic to soil and aquatic organisms, and supportive of turf growth.

Toxicology (Adhering to Usage Guidelines):

Toxin-Free: No Toxins Detected

Germination Guarantee: 100% Seed Germination Success

Turf-Friendly: No Phytotoxicity for Healthy Growth

COLOUR & APPEARANCE:

Cloudy clear.

APPLICATION RATE & INSTRUCTIONS

10 - 20ℓ per Ha

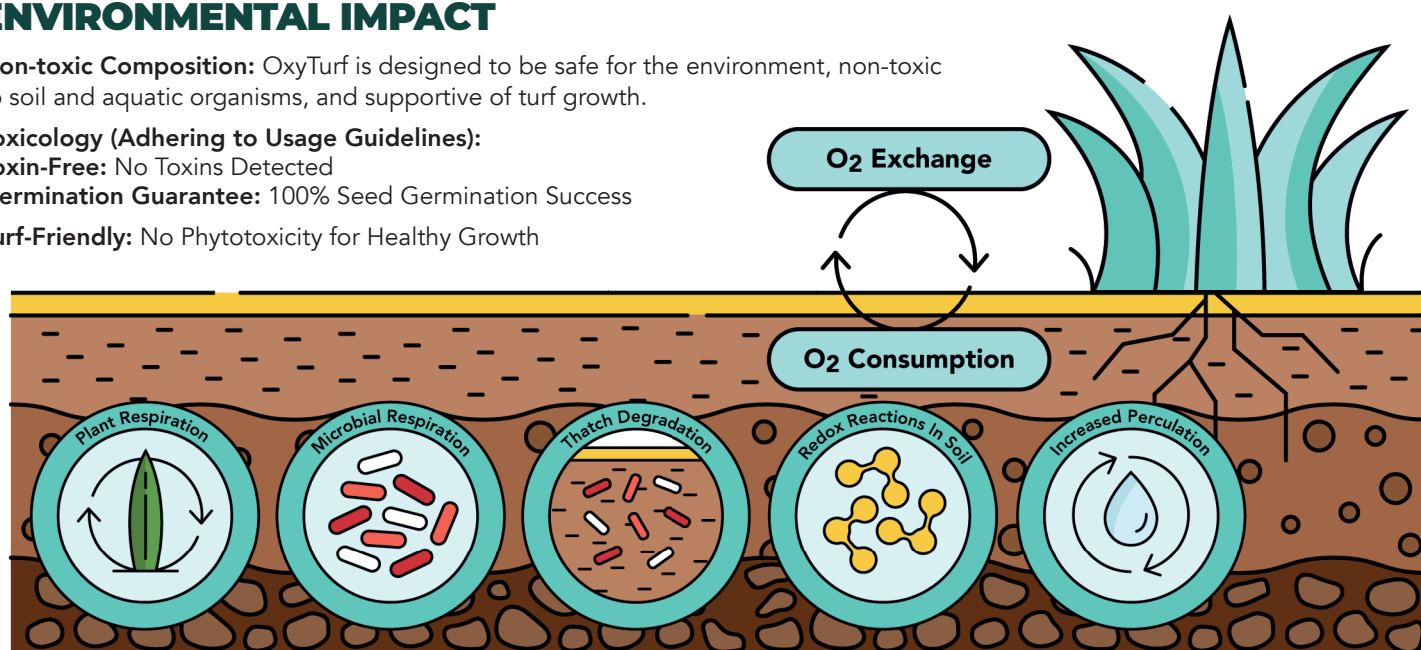
Soil Drenching: Apply OxyTurf at a rate of 10 to 20 liters / hectare once per month using soil drenching techniques. This helps improve soil aeration, percolation, and thatch degradation, leading to healthier, more resilient turf.

Foliar Spray: Apply OxyTurf at a 5% concentration as a foliar spray to enhance systemic acquired resistance and support overall turf health. This method helps in reducing disease pressure and improving turf vigor.

COMPATIBILITY

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

Product of Makro Organics **makro**
organics





WHAT IS CHAMPION?

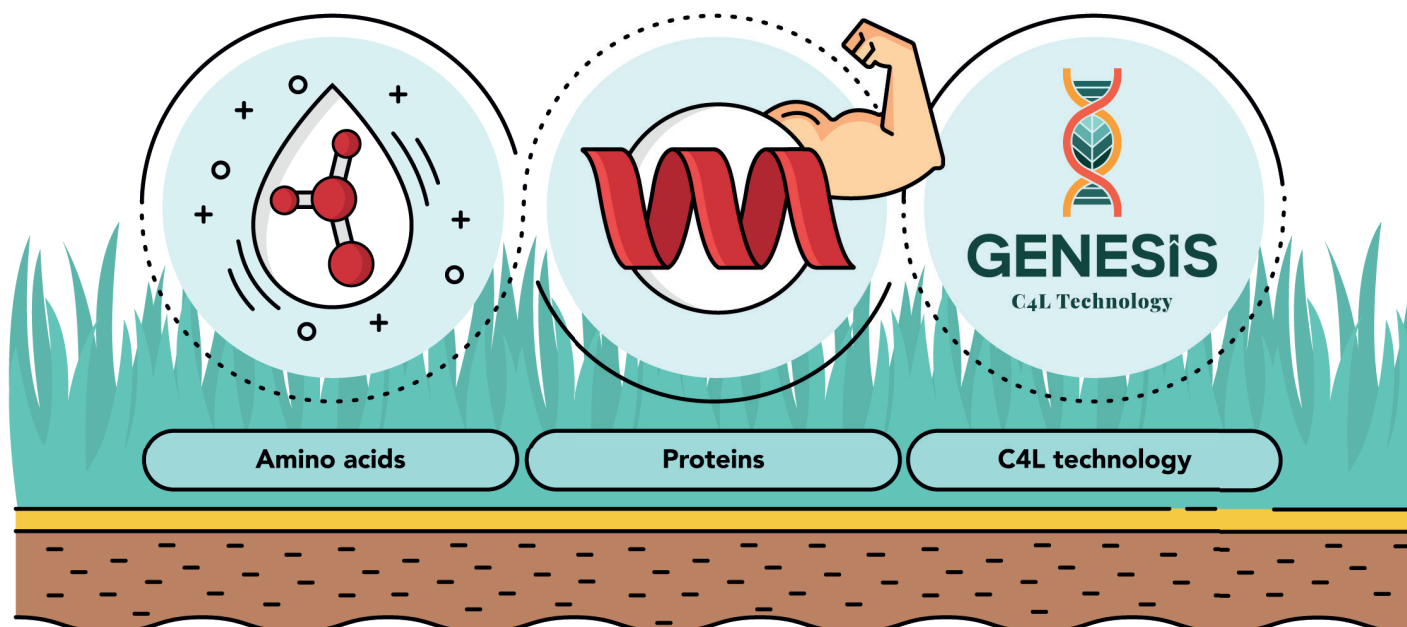
Champion serves the sports turf sector as a nutrient-rich protein cocktail, specifically designed to enhance turf vitality, colour, quality, and performance through organic means. Comprising 55% protein hydrolysate, 21% fulvic acid, 21% Ukelp, flavonoids from Genesis C4L Technology, and citric acid, Champion provides a comprehensive nutrient boost. It ensures a balanced supply of essential amino acids and microelements for optimal turf health.

BENEFITS

- **Enhanced Chlorophyll Density:** Champion boosts chlorophyll production, resulting in a darker green turf with increased photosynthetic efficiency.
- **Systemic Acquired Resistance (SAR) Activation:** Specialized flavonoids that trigger SAR, priming the plant's immune response and enhancing natural disease resistance.
- **Antioxidant Defense and Stress Tolerance:** Champion's flavonoids, combined with fulvic acid, act as antioxidants that reduce oxidative damage, supporting resilience against abiotic stressors like drought and heat.
- **Optimized Nutrient Uptake and Root Health:** Fulvic acid and seaweed extract enhance nutrient availability and uptake, promoting robust root growth and improving soil-plant interactions in the rhizosphere.

MODE OF ACTION

- **Flavonoid Activation through Genesis C4L Technology:** Genesis C4L's unique flavonoids interact with plant signalling pathways, triggering defence and growth responses at the cellular level.
- **Hormone Regulation for Growth and Resilience:** The seaweed component supports natural auxin and cytokinin balance, aiding root development and turf resilience under stress.
- **Microbial Synergy in the Rhizosphere:** Champion supports beneficial microbial populations, enhancing soil structure and nutrient cycling through increased microbial activity.
- **Stress Signaling and Defense Activation:** Bioactive compounds activate stress signalling pathways, preparing turf for abiotic challenges and maintaining consistent 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 grass types.

COMPATIBILITY

Champion can be used safely in conjunction with all products that do not disrupt beneficial biological interactions within the soil and turf 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 greenkeeping and groundsman productivity by enhancing turf grass performance and resilience to abiotic stress, while also improving soil health. This solution enriches grass with amino acids, polysaccharides, betaines, and sterols, essential for growth and stress management, thereby promoting robust root and sward development in diverse sports turf settings.

BENEFITS

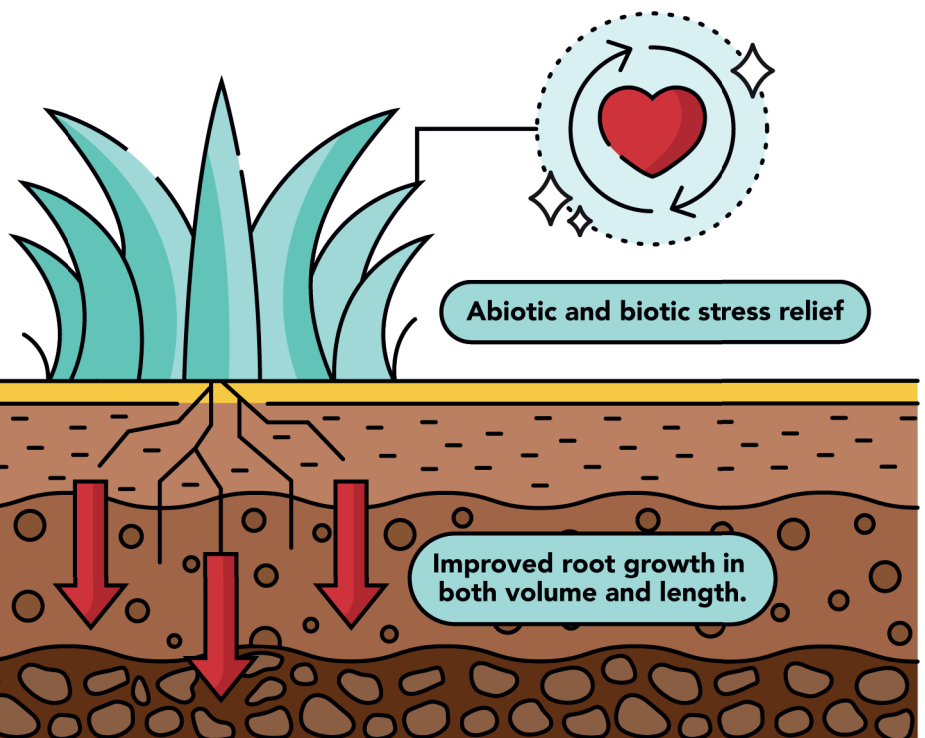
- **Enhances Turf Performance:** Boosts productivity through nutritional optimization, supporting healthier, more vigorous plant growth.
- **Mitigates Abiotic Stress:** Provides resilience against environmental stressors such as drought, salinity, and temperature fluctuations.
- **Improves Soil Health:**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

MODE OF ACTION

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



Approved for use in organic systems in accordance with EC regulations 834/2007 and 889/2008 by Organic Farmers & Growers



COLOUR & APPEARANCE:

Green liquid. Suspension concentrate.

APPLICATION RATE & INSTRUCTIONS

3 - 10ℓ per Ha

Apply 3 to 10ℓ per Ha depending on turf grass requirements. Apply as foliar spray or soil drench every 2 - 4 weeks.

COMPATIBILITY

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



GLADIATOR

Shield. Strengthen. Succeed



WHAT IS GLADIATOR?

Gladiator offers unmatched support for structural turf health, optimising nutrient absorption and resilience against environmental stressors in sports turf. Featuring a unique blend of monosilicic acid, Boron, and Calcium, Gladiator is crucial for healthy sports turf development.

BENEFITS

- **Structural Integrity and a firmer playing surface.:** Strengthens cell walls and vascular system for better water management.
- **Stress Resistance:** Enhances the impermeability of turf cell walls against fungal attacks.
- **Calcium Uptake:** Facilitates rapid absorption of calcium, improving turf health and produce firmness.
- **Nutrient Efficiency:** Increases nutrient uptake, ensuring healthier turf growth.
- **100% Bioavailable Silicon:** Provides a stable, plant-accessible form of silicon for immediate benefits.

MODE OF ACTION

- **Nutrient Management:** Facilitates absorption and transport of essential nutrients such as Calcium, Phosphorus, Potassium, Magnesium, and others, promoting balanced turf nutrition.
- **Calcium Correction:** Rapid solution for Calcium deficiencies, fast uptake enhancing cell wall and vascular system integrity.
- **Resistance Enhancement:** Silicon deposition in the turf grass cuticle strengthens defense against fungal, bacterial, and insect attacks by bolstering the turf's natural barriers.
- **Transpiration Reduction:** Minimizes leaf epidermal transpiration, optimizing internal water management.

COLOUR & APPEARANCE:

Clear liquid.

APPLICATION RATE & INSTRUCTIONS

500ml - 1l per Ha

Monthly schedule and or as a pre match spray, 3 days prior to match day.

Dilution for Spray:

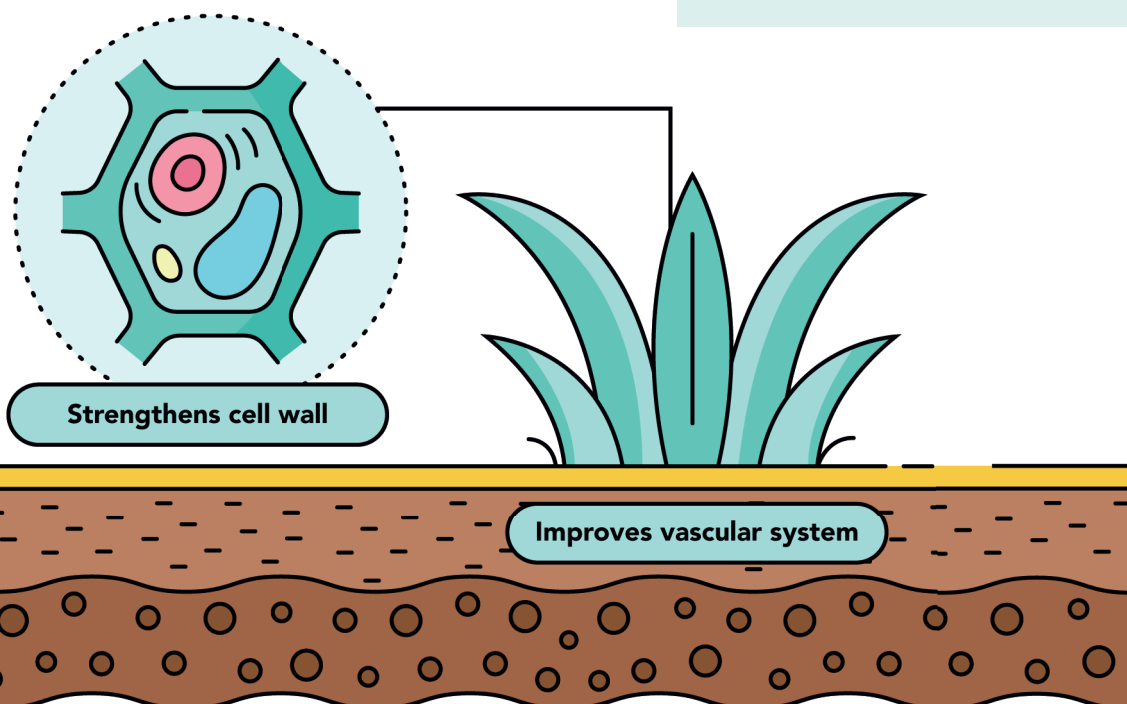
Mix in 300 - 1 000l of water per Ha. Add Gladiator to water while stirring, then add other foliar products as necessary. Use within 4 hours.

Root application dilution:

Weekly use at 1:5 000 dilution; for every watering, dilute 1:10 000.

COMPATIBILITY

Gladiator seamlessly integrates with conventional foliar treatment regimens.





WHAT IS MANNA 9:4:7?

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

BENEFITS

- Enhances nutrient uptake and efficiency
- Improves stress tolerance against abiotic and biotic factors
- Promotes robust root development and plant growth
- Increases yield and improves crop quality
- Improves photosynthesis and up and down gene regulation
- Enhances soil structure and microbial activity
- Reduces dependency on chemical inputs

MODE OF ACTION

Manna 9:4:7 works through several mechanisms:

- **Nutrient Supply:** Directly provides essential macro and micronutrients.
- **Root Stimulation:** Amino acids and seaweed extracts enhance root growth and function.
- **Soil Health:** Humic and fulvic acids improve soil structure and nutrient availability.
- **Stress Resilience:** Genesis C4L technology induces systemic acquired resistance in plants, enhancing tolerance to stress and improves photosynthesis.
- **Microbial Enhancement:** Bacillus strains promote a healthy soil microbiome, aiding in nutrient cycling and 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: 20 - 40ℓ per Ha

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

Method: Suitable for both foliar application and soil drenching.

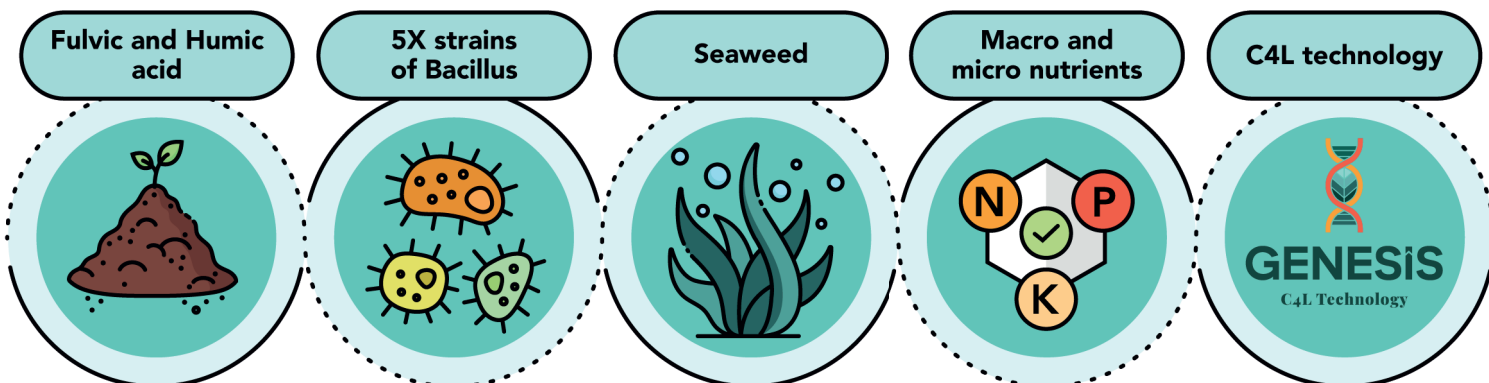
Frequency: Bi-weekly, monthly, or as needed based on turf requirements and environmental conditions.

COMPATIBILITY

Manna 9:4:7 is compatible with most common sports turf amenity inputs. However, it is advisable to conduct a jar test or consult with a technical advisor when 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 soil health inoculant designed for professional use in enhancing the vitality of all soil types across various grass species. Formulated with a proprietary blend of Plant Growth Promoting Rhizobacteria (PGPR), Battalion is engineered to improve plant health by stimulating natural defence mechanisms, increasing nutrient availability, and promoting robust growth. It is particularly effective in environments where disease suppression and enhanced growth are critical.

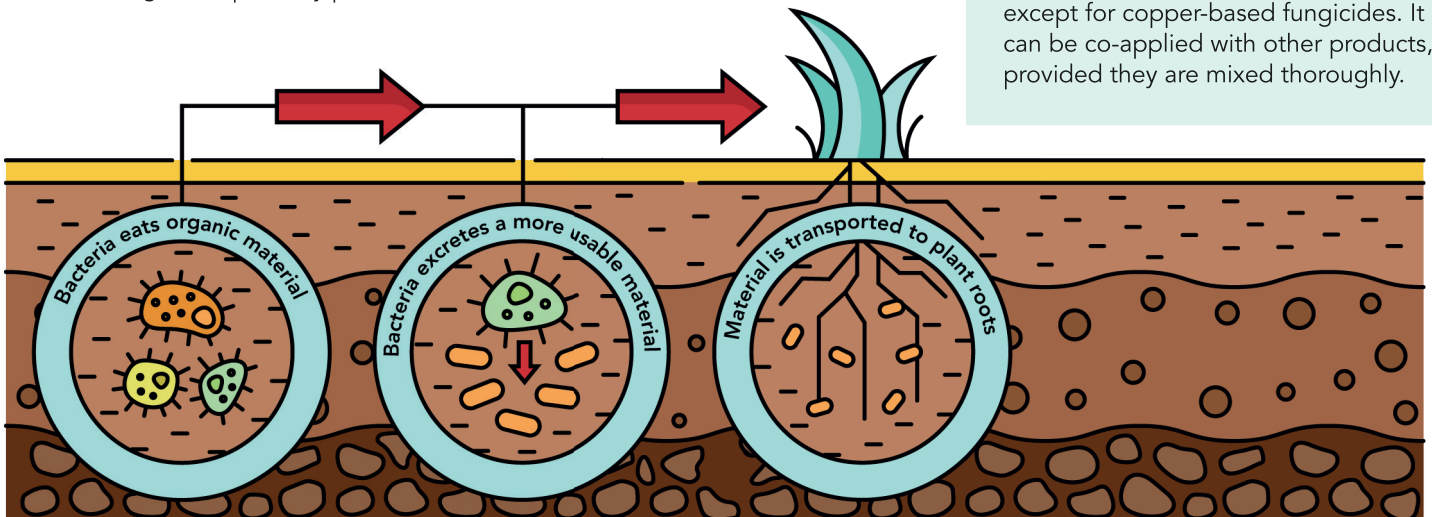
BENEFITS

- **Enhanced Growth:** By colonizing the rhizosphere, Battalion stimulates root and plant tissue development, leading to stronger, healthier plants.
- **Disease Suppression:** The microbial content in Battalion produces biofilms and beneficial enzymes that suppress common soil pathogens, reducing disease incidence.
- **Nutrient Solubilization:** Battalion's PGPR strains solubilize phosphorus and fix nitrogen, making essential nutrients more available to plants.
- **Stress Resistance:** The biofilm produced by Battalion helps plants recover faster from stress events, such as drought or frost, by facilitating the uptake of nutrients and water.
- **Sustainable Farming:** Regular use of Battalion reduces the need for chemical fertilisers and pesticides, supporting more sustainable agricultural practices.

MODE OF ACTION

Battalion works through several complementary mechanisms:

- **Disease Suppression:** The PGPR strains in Battalion produce salicylic acid, which triggers the plant's systemic acquired resistance (SARS) response. This leads to the production of natural antibiotics within the plant, inhibiting pathogen growth.
- **Nutrient Solubilization:** The microbes in Battalion release siderophores that bind to iron and other micronutrients, making them more available to plants. They also produce enzymes that convert insoluble phosphorus into forms that plants can readily absorb.
- **Biofilm Formation:** Battalion's microbes form a protective biofilm around the root zone, acting as a barrier against harmful pathogens while also stabilizing nutrients and enhancing their uptake by plants.



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 as a soil drench or in-furrow application.

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

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

COMPATIBILITY

Battalion is compatible with most liquid fertilisers and agricultural chemicals, except for copper-based fungicides. It can be co-applied with other products, provided they are mixed thoroughly.



WHAT IS SUNSHINE 20.0.5?

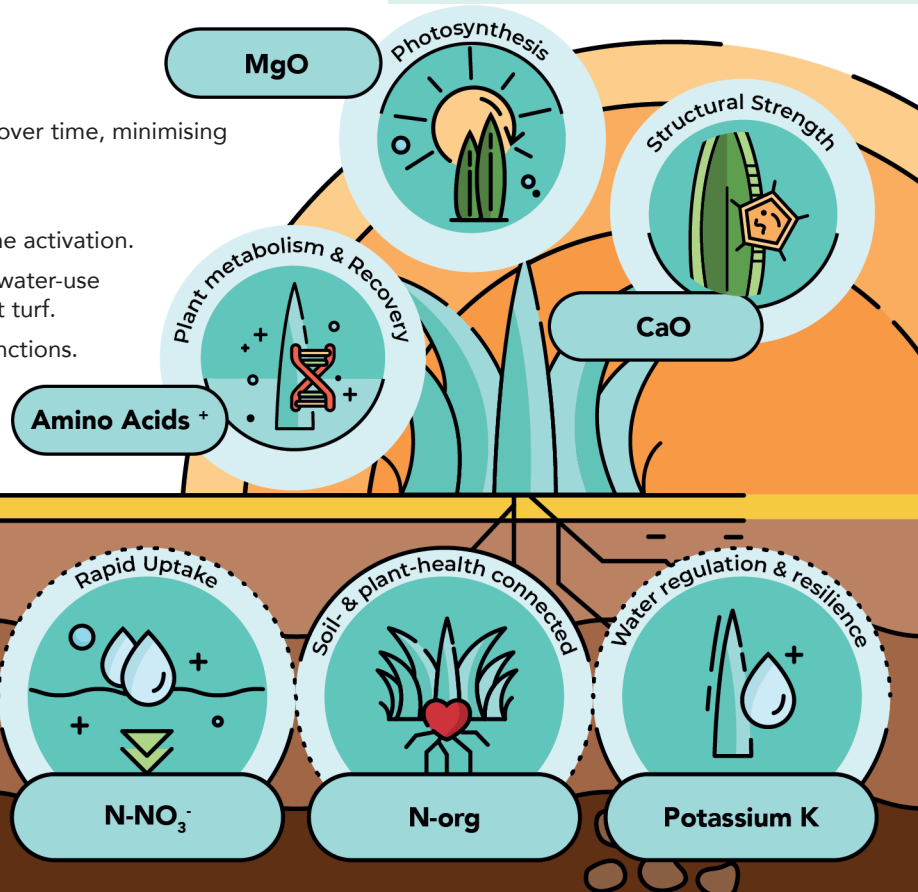
Sunshine 20.0.5 is a high-performance nitrogen solution designed for spring, summer, and autumn applications on elite sports turf. It delivers a precise balance of immediate and sustained nitrogen release, supported by potassium for stress tolerance and colour, plus calcium, magnesium, and amino acids for stronger cell walls and rapid recovery. The formulation is engineered to drive consistent, resilient growth without excessive soft tissue, giving turf managers optimal playing surfaces under peak seasonal demand.

BENEFITS

- **Four forms of nitrogen** for a complete nutritional curve – fast uptake, sustained feeding, and root-zone stability.
- **Controlled Nitrogen Release:** Methylene urea ensures prolonged feeding without rapid, weak leaf flush.
- **Summer-Safe Growth:** Avoids overstimulation during warm, humid periods when turf is vulnerable.
- **Root & Shoot Enhancement:** Amide nitrogen supports leaf expansion, while magnesium improves chlorophyll function.
- **Stronger Cell Integrity:** Calcium and amino acids contribute to stronger tissues and better recovery under stress.
- **Potassium Support:** Potassium (K_2O) aids osmotic regulation, improves stress tolerance, and enhances turf colour.
- **Tank Mixable & Stable:** Neutral pH (7.0) and clear compatibility with all Abundigro products.

MODE OF ACTION

- **Methylene Urea** slowly hydrolyses to release nitrogen over time, minimising rapid flushes and supporting steady growth.
- **Amide N** offers fast-acting uptake for visible greening.
- **Nitrate N** supports balanced early uptake and root zone activation.
- **Potassium (K_2O)** regulates osmotic balance, improves water-use efficiency, and enhances turgor for firmer, more resilient turf.
- **Calcium & Mg** strengthen structural and chlorophyll functions.
- **Amino Acids** assist in protein synthesis and stress tolerance.



COLOUR & APPEARANCE:

Clear liquid with pale amber colour.

APPLICATION RATE & INSTRUCTIONS

20-40 ml per Ha

Apply 20 - 40 ml per hectare depending on turf demand and season.

Sunshine 20.0.5 works best in a 1:1 programme with Manna 9:4:7 for a holistic approach to turf health - balancing rapid recovery with sustained nutrition.

Suitable for both foliar and soil drench applications.

Apply monthly, or every 2 - 3 weeks during recovery periods.

COMPATIBILITY

Mix with Abundigro biostimulants and conditioners; perform jar test when combining with unfamiliar inputs.



WHAT IS SLUDGE BUSTER & OXYFLOW?

Sludge Buster is a fibrous, plant-based product that cultivates beneficial microbes and enzymes to digest organic sludge and reduce nutrient loads driving eutrophication.

OxyFlow™ is a liquid plant extract with a natural oxygen-releasing activator. It slowly increases dissolved oxygen in water bodies and irrigation lines, suppressing anaerobic conditions and cleaning pipelines of biofilm, algae, and calcification.

Both are derived from Eucalyptus, Poaceae, Carpobrotus, Aloe and Sutherlandia and are safe, natural solutions. Sludge Buster is certified for organic systems.

BENEFITS

- Reduces sludge depth and nutrient build-up
- Suppresses algal blooms and foul odours
- Improves dissolved oxygen levels safely
- Clears irrigation/cooling pipelines of blockages
- Eco-friendly, safe for turf, aquatic life & organic use
- Provides long-term, sustainable water remediation

MODE OF ACTION

- **Sludge Buster:** Stimulates microbial and enzymatic digestion of sludge and organic matter, reducing nitrogen & phosphorus availability.
- **OxyFlow:** Gradually releases oxygen to promote aerobic microbial activity, prevent anaerobic toxins, and oxidise biofilm and mineral scale.
- **Together:** Synergistic action restores balance to water bodies and keeps irrigation systems clear and efficient.

COLOUR & APPEARANCE:

Sludge Buster: Coarse, fibrous, dark brown organic material.

OxyFlow: Clear liquid extract.

APPLICATION RATE & INSTRUCTIONS

Sludge Buster

Lakes, ponds, reservoirs:

1 bucket per 100 m² surface area, reapplied every 2–3 months. Empty remaining contents into the water before replacing (if possible).

OxyFlow

Irrigation lines & water bodies:

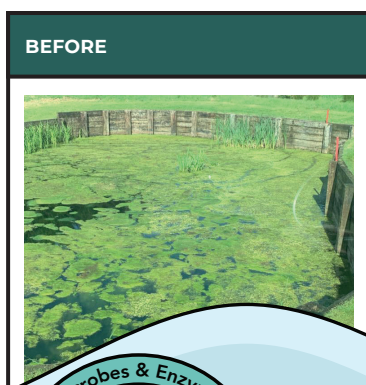
Continuous dosing: ~10 ppm via injector.

Batch treatment: 1 L per 800 m³ water for maintenance; up to 1 L per 40 m³ for intensive cleaning.

Pipe remediation: Circulate 1:100 solution through lines, leave overnight, flush in morning.

COMPATIBILITY

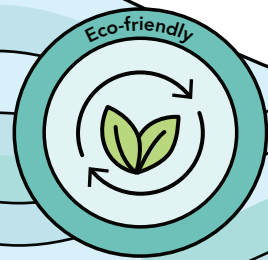
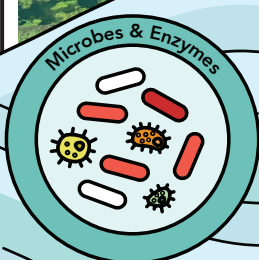
Compatible with most turf and water management programs. Avoid mixing with strong sterilants or oxidisers. Safe for turf, seed germination, fish, and wildlife when used as directed.



BEFORE



AFTER 7 DAYS





SUPER SURFER

Better Wetter Buffer



WHAT IS SUPER SURFER?

Super Surfer revolutionises foliar application techniques in turf management, ensuring uniform nutrient delivery and optimal turf health. As a naturebased surfactant, Super Surfer enhances foliar application efficiency, offering improved coverage, nutrient absorption, and pH adjustment for optimal turf health.

BENEFITS

Super Surfer serves to enhance the quality and wetting ability of irrigation water, vital for optimizing the effectiveness of foliar sprays. By lowering both the pH level and surface tension, it guarantees improved wettability of the foliar spray and facilitates deeper water penetration.

MODE OF ACTION

Enhanced Spread ability: Improves spray distribution and soil water penetration, ensuring uniform application.

pH Optimization: Buffers spray and irrigation water to pH 5.5, enhancing foliar feed efficacy.

Nutrient Enrichment: Supplies vital macronutrients (N, P) for turf nourishment and growth.

Wetting Efficiency: Lowers surface tension for better wettability and deeper irrigation water penetration

COLOUR & APPEARANCE:

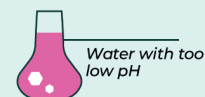
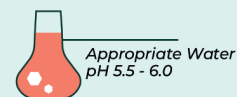
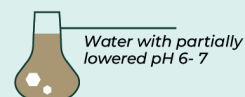
Dark red liquid.

APPLICATION RATE & INSTRUCTIONS

80-120ml per 100ℓ of water

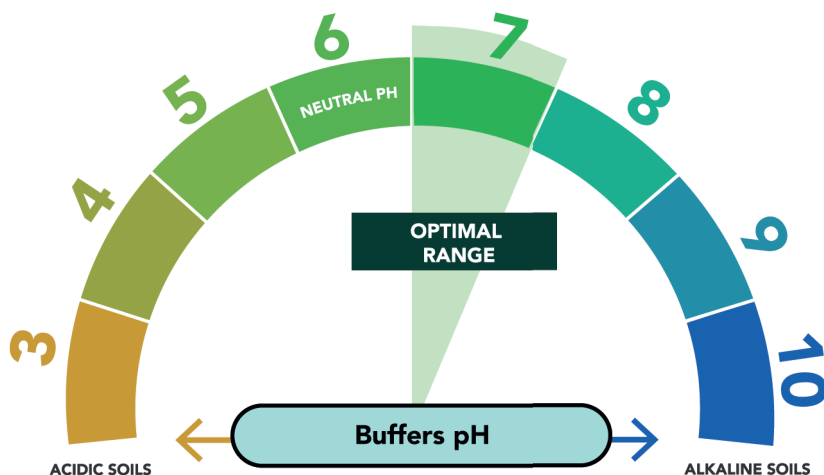
For optimal results, use an average of 80-120ml of Super Surfer per 100ℓ of water.

1. Fill the spray tank to **50% with water** before adding Super Surfer.
2. Observe the **change of colour** of the solution to slightly pink.
3. Depending on the hardness of the water, you should add the amount of product that will lead to the **desired pH of the water** – about 5.5.
4. To do this, follow the colour scale given at the bottom of the label.
5. If you are not able to determine the colour gradient 100ml per 100ℓ is the average application rate.

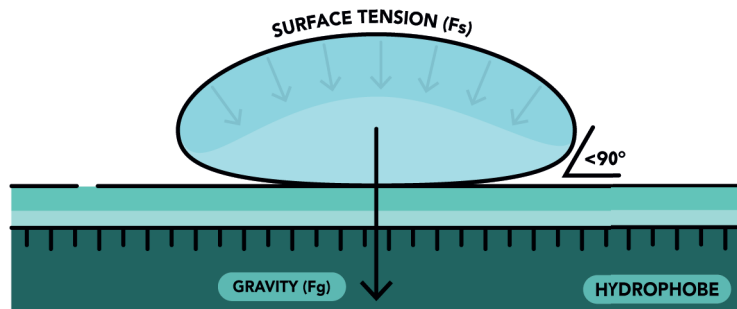


COMPATIBILITY

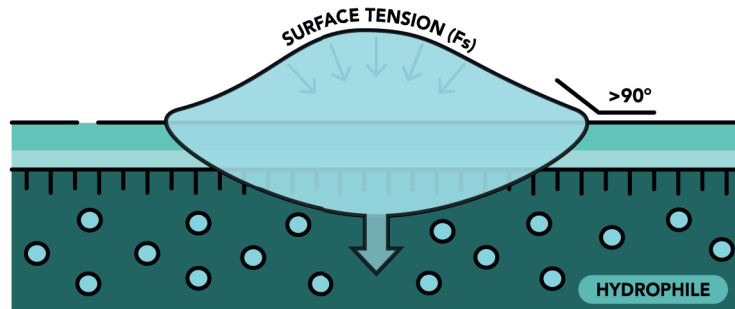
Super Surfer can be also used with all foliar fertilisers and pesticides, and organic bio-stimulants.



Poor wetting properties



Good wetting properties





**Providing you with
essential biological
additives for
robust playing surfaces
of superior quality.**



ABUNDIGRO

pure performance

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