



SPECIALITIES

Targeted Turf Solutions

Alongside core fertiliser programmes, speciality products play a vital role in supporting turf health, resilience and overall performance. Designed to target specific challenges, these solutions help turf managers maintain consistent, high-quality surfaces throughout the season.

Enhancing Performance Beyond Nutrition

From improving plant strength and colour to supporting stress tolerance and recovery, Origin Amenity Solutions offers a focused range of speciality products that integrate seamlessly into modern turf management programmes.

A Complete Approach to Turf Health

Speciality products are used to complement nutrition and provide additional support where it matters most:

- ✓ Enhancing plant strength and structure
- ✓ Improving turf colour and presentation
- ✓ Supporting natural defence responses
- ✓ Increasing tolerance to stress conditions
- ✓ Promoting recovery and consistency

Designed for Modern Turf Management

With increasing pressure on turf surfaces and greater environmental challenges, speciality products provide flexible tools to help manage:

- Disease pressure and plant stress
- Variable weather conditions
- Intensive usage and wear
- Changing regulatory landscapes

These products can be applied individually or as part of integrated programmes to deliver consistent and reliable results.

Integrated and Flexible Solutions

Origin's speciality range is designed to work alongside fertilisers, wetting agents and plant health programmes, allowing turf managers to tailor applications to specific needs and conditions.

Iron Products

Liquid & Soluble Solutions

Origin Amenity Solutions offers a comprehensive range of iron products designed to enhance turf colour, improve plant strength and support overall surface performance. Drawing on proven technologies, these solutions provide flexible options for rapid response or programme-based applications.

Product Overview

Seamac® ProTurf Fe

A premium liquid iron formulation with added seaweed and magnesium to enhance colour, improve plant health and support stress tolerance.

Order Code	Size
OAI004625	10L
OAI004627	100L
OAI004629	200L

Magnet Velocite

A fast-acting liquid iron designed to deliver rapid turf response and visual impact, ideal for presentation and recovery situations.

Order Code	Size
OAI000292	5L
OAI000294	20L

Liquid Iron

A straightforward liquid iron solution providing reliable colour response and turf hardening.

Order Code	Size
OAI000290	5L

Protec Liquid Iron

A formulated liquid iron designed to strengthen the plant and improve resilience under stress conditions.

Order Code	Size
OAI009559	10L

Elevate Fe®

A high-quality iron complex delivering consistent colour, improved plant health and excellent turf presentation.

Order Code	Size
OAI004637	10L
OAI004640	200L
OAI004641	700L
OAI004639	1000L

Soluble Iron

A water-soluble iron source offering flexibility for tank-mixing and rapid plant uptake.

Order Code	Size
OAI001100	10kg

Key Benefits

- ✓ Rapid turf colour enhancement
- ✓ Improves plant strength and resilience
- ✓ Supports stress tolerance and recovery
- ✓ Flexible liquid and soluble application options
- ✓ Ideal for year-round turf management programmes

Turf Supplements - Performance & Plant Health

Targeted Support for Turf Performance

Origin Amenity Solutions offers a focused range of turf supplements designed to support plant health, improve resilience and enhance overall turf performance. These products are ideal for use alongside fertiliser programmes, helping turf managers respond to stress, strengthen the plant and optimise growing conditions.

Product Overview

Liquid Turf Hardener

A calcium and magnesium-based liquid formulation designed to strengthen cell walls, improve plant structure and enhance turf resilience.

Order Code

OAI009620

OAI009622

Size

10L

100L

Mantle®

A water-soluble micronutrient package combined with plant elicitor technology to support plant health and improve stress tolerance.

Order Code

OAI005533

Size

5kg

PPT114

A water-soluble micronutrient package containing copper. Combined with plant elicitor technology. A perfect tank mix partner for plant health.

Order Code

OAI005534

Size

5kg

Spike

A liquid silicon designed to promote and stimulate upright growth for clean and more uniformed cut, helping to improve ball roll and green speed.

Order Code

OAI009322

Size

5L

Key Benefits

- ✓ Strengthens plant structure and resilience
- ✓ Supports root development and establishment
- ✓ Enhances nutrient uptake efficiency
- ✓ Improves tolerance to environmental stress
- ✓ Complements fertiliser and nutrition programmes

Used as part of an Integrated Turf Management Strategy

Turfite Elite®

Potassium Phosphite with Salicylic Acid

Supporting Plant Health and Stress Resilience

Turfite Elite is a potassium phosphite formulation enhanced with salicylic acid, designed to support healthy plant growth, root development and natural plant resilience. Developed to meet current REACH requirements, it provides a modern phosphite solution for professional turf management programmes.

Research has demonstrated the role of phosphite in supporting root development and improving stress tolerance, while salicylic acid acts as a plant elicitor, helping stimulate the grass plant's natural defence mechanisms. By promoting stronger, healthier turf, Turfite Elite helps plants better cope with environmental and seasonal pressures.

Key Benefits

- ✓ REACH-compliant potassium phosphite formulation
- ✓ Contains salicylic acid plant elicitor technology
- ✓ Supports root development and plant vigour
- ✓ Encourages efficient photosynthetic activity
- ✓ Promotes natural plant resilience
- ✓ Ideal component of integrated turf management programmes
- ✓ Proven tank-mix partner within the 20-20-30 approach



Order Code

OAI005526 – 10L
OAI005529 – 100L

Application Rate

20–40 L/ha

Water Volume

300–450 L/ha

Supplementary Irrigation

Not required

Typical Applications

Turfite Elite can be incorporated into programmes throughout the year to support plant health and recovery:

- Spring growth and root development programmes
- Pre-stress conditioning ahead of summer pressures
- Recovery following periods of environmental stress
- Autumn and winter turf management programmes
- Integrated 20-20-30 tank-mix strategies

Verdio

Premium Turf Pigment

Verdio is a premium turf pigment designed to enhance visual presentation while helping protect the plant during periods of environmental stress. By forming a protective layer on the leaf surface, Verdio helps reduce the impact of harmful UV radiation, supporting chlorophyll retention, plant health and overall turf performance.

Unlike traditional colourants, Verdio delivers more than just visual improvement. Its advanced formulation helps maintain photosynthetic activity during challenging conditions, supporting consistent turf quality when growth is naturally restricted. The inclusion of amino acid technology further aids stress tolerance and recovery, helping turf maintain colour, vigour and resilience throughout the season.

Key Benefits

- ✓ Enhances turf colour and visual presentation
- ✓ Helps protect the leaf from harmful UV-A and UV-B radiation
- ✓ Supports chlorophyll retention and photosynthetic efficiency
- ✓ Aids turf performance during periods of environmental stress
- ✓ Promotes a more consistent appearance during low-growth periods
- ✓ Contains amino acid technology to support stress recovery
- ✓ Suitable for use throughout the growing season
- ✓ Ideal for maintaining presentation on high-profile turf surfaces



Order Code

OAI010049

Pack Size 3L

20-20-30 Mix

Four Products. One Proven Strategy.



Effective Microdochium Management

A Critical Part of Any ITM Strategy

Managing Microdochium continues to be one of the biggest challenges facing turf professionals. Success relies on more than a single product or application – it requires an integrated approach that supports plant health, resilience and natural defence mechanisms.

The 20-20-30 programme has been developed and refined over many years, combining industry-leading technologies to support turf health and help minimise the impact of Microdochium as part of a wider Integrated Turf Management strategy.

By working together, the products within the 20-20-30 programme deliver:

- Essential nutrition for healthy growth
- Calcium to support stronger plant cell walls
- Low pH technology to help create a less favourable leaf surface environment
- Plant defence activators to support natural resistance responses
- A practical programme that complements existing cultural and fungicide strategies

Why Turf Managers Choose 20-20-30

- ✓ Proven and trusted approach
- ✓ Easy-to-apply tank mix programme
- ✓ Supports plant resilience during periods of disease pressure
- ✓ Complements broader turf management programmes
- ✓ Designed specifically for professional turf management

How It Works

The power of 20-20-30 lies in the way each product complements the others.

Together, the programme delivers a balanced approach to plant health that supports stronger growth, improved resilience and enhanced natural defence mechanisms.

Strengthen

Liquid Turf Hardener provides essential calcium, magnesium and nitrogen to support plant growth and stronger cell wall development.

Condition

Seamac ProTurf helps acidify the leaf surface while providing iron, magnesium and seaweed extracts to strengthen the plant.

Support

Mantle supplies key micronutrients and Harpin technology to encourage healthy, resilient turf growth.

Defend

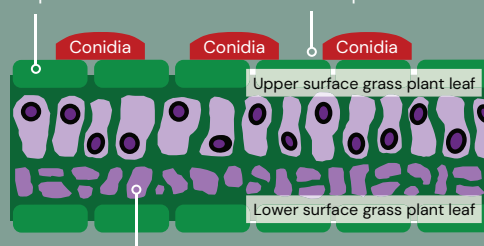
Turfite Elite contains potassium phosphite and salicylic acid to support the plant's natural defence mechanisms.

A Complete Plant Health Approach

The 20-20-30 strategy is designed to work as part of a wider programme, combining nutrition, plant health and management practices to maintain consistent, high-quality turf.

Liquid Turf Hardener works to strengthen the plant cell wall

Seamac ProTurf and Mantle work on the plant leaf surface



Turfite® Elite with salicylic acid promotes enhanced rooting and stimulates the plant's natural defence mechanism



Seamac ProTurf Fe Acidify. Strengthen. Protect.

Seamac ProTurf Fe is a low pH chelated iron formulation enhanced with magnesium and seaweed extracts. Designed to support plant health while helping to create a leaf environment that is less favourable for disease

development, it forms a key component of the 20-20-30 programme.

Key Benefits

- Low pH formulation helps acidify the leaf surface
- Supplies iron and magnesium for improved plant health
- Enhanced with seaweed extracts to support turf performance
- Rapid uptake technology delivers a fast response
- Helps support turf resilience during periods of disease pressure



Mantle Stimulate Natural Plant Defences

Mantle is a water-soluble micronutrient package containing manganese, zinc, magnesium and Harpin plant elicitor technology. Together these components support

plant health and help stimulate the turf's natural defence responses.

Key Benefits

- Contains manganese, zinc and magnesium
- Features Harpin plant elicitor technology
- Supports the plant's natural defence mechanisms
- Encourages strong, healthy growth
- Creates conditions that help discourage disease development



Liquid Turf Hardener Build Stronger Turf

Liquid Turf Hardener is a low pH calcium and magnesium formulation containing nitrate nitrogen to facilitate rapid uptake and plant availability. Designed to strengthen turf and improve tolerance to stress, it provides essential

nutrients that contribute to stronger cell walls and improved plant resilience.

Key Benefits

- Supplies calcium and magnesium
- Supports stronger plant cell walls
- Rapid uptake formulation
- Helps improve turf resilience
- Suitable for year-round use



Turfite Elite Support Natural Resistance

Turfite Elite combines potassium phosphite with salicylic acid to help support healthy growth and stimulate the plant's natural defence responses.

Its formulation is designed to help turf perform through periods of stress while supporting root development and overall plant vitality.

Key Benefits

- Potassium phosphite formulation
- Contains salicylic acid plant elicitor
- Supports natural plant defence responses
- Encourages healthy root development
- Key component of the 20-20-30 programme

Biostimulants

Enhancing Natural Turf Performance

Supporting Stronger, Healthier Turf

Biostimulants play an increasingly important role in modern turf management, helping to optimise plant health, improve nutrient efficiency and support resilience under stress.

Working alongside fertiliser programmes, these products enhance natural biological processes within the plant and soil, promoting stronger root development, improved nutrient uptake and consistent turf performance across a wide range of conditions.

Drawing on proven technologies and heritage from established ranges, Origin Amenity Solutions offers a focused portfolio of biostimulants designed specifically for sports turf and amenity use.

How Biostimulants Work

Biostimulants support turf through a combination of biological and chemical processes:

- Stimulate root growth and development
- Enhance nutrient uptake and utilisation
- Improve soil microbial activity
- Increase tolerance to environmental stress
- Support recovery following wear and damage

By improving plant efficiency rather than simply adding nutrients, biostimulants help maximise the effectiveness of existing programmes.

Liquid & Granular Solutions

Origin offers both liquid and granular biostimulants, providing flexibility to suit application methods, timings and turf requirements.

Liquid Biostimulants

Ideal for rapid uptake and integration into spray programmes, liquid formulations provide fast, targeted support during key growth periods or stress conditions.

Granular Biostimulants

Designed for ease of application alongside fertilisers, granular products deliver sustained benefits through the soil, supporting rootzone biology and long-term turf health.

Product Overview



Activate R (Liquid & Granular)

Activate R is a specialist biostimulant designed to stimulate root development, improve nutrient efficiency and support overall turf health. Combining humic substances, growth-promoting compounds, trace elements and rootzone conditioning technology, Activate R helps develop stronger root systems, improve establishment and encourage more resilient turf. Available in both liquid and granular formulations, it can be incorporated into year-round programmes to support recovery, rooting and consistent playing surface performance.

Key Benefits

- Promotes stronger root development and increased root mass
- Improves nutrient retention and nutrient availability within the rootzone
- Supports seed germination and establishment
- Encourages healthy root and shoot development
- Contains humic substances to improve soil structure and biological activity
- Provides a comprehensive package of trace elements to support turf health
- Enhances plant resilience and tolerance to environmental stress
- Available in liquid and granular formulations for maximum flexibility

Order Code	Size
LIQUID	
OAI001074	5L
OAI001075	120L
GRANULAR	
OAI001073	20kg

Spreader Settings – Appli-Tec 2000

Application Rate	Single Pass	Double Pass	Spread Width	Cone Setting
20g/m ²	J	H½	3.5m	7
25g/m ²	K	I		
30g/m ²	L	I½		



Humivate (Liquid)

Humivate is a concentrated humic acid biostimulant designed to improve soil health, enhance nutrient availability and support stronger root development. By stimulating beneficial soil biology and increasing the soil's ability to retain and exchange nutrients, Humivate helps improve nutrient uptake through the root system, encouraging healthier, more resilient turf. Ideal for integration into year-round programmes, it supports rootzone performance, plant establishment and sustained turf quality.

Key Benefits

- Improves nutrient uptake through the root system
- Enhances nutrient retention and fertiliser efficiency
- Promotes stronger root development and rooting depth
- Supports beneficial soil microbial activity
- Improves soil structure and rootzone performance
- Encourages healthier, more resilient turf growth
- Assists plant recovery during periods of stress
- Suitable for use alongside nutritional and biostimulant programmes

Order Code
OAI000250
Pack Size
10L



Naturvigor 1-1-1 + Fe + TE (Granular)

Naturvigor is a fully composted organic soil conditioner formulated to improve soil health, nutrient efficiency and turf performance. Combining organic matter, humic substances, iron and trace elements, it helps stimulate beneficial soil biology, enhance nutrient retention and support stronger rooting, making it particularly effective on sandy, low organic matter soils and during renovation or overseeding programmes.

Key Benefits

- Supports soil microbial activity and organic matter recycling
- Improves nutrient retention and fertiliser efficiency
- Encourages stronger rooting and seed establishment
- Contains humic substances to aid soil and plant health
- Provides iron and trace elements to support colour and vigour
- Free-flowing granule with rapid breakdown after application
- Fully composted for maximum soil conditioning benefits

Order Code
OAI006329
Pack Size
25kg

Spreader Settings – Appli-Tec 2000

Application Rate	Single Pass	Double Pass	Spread Width	Cone Setting
35g/m ²	R½	M½	4m	5
40g/m ²	T	N½		
45g/m ²	V½	O		
50g/m ²	X	O½		

Fiata Stressgard

Advanced Stress Management

Protecting Turf Under Pressure

Fiata Stressgard is an advanced turf solution designed to protect and enhance plant performance under a wide range of environmental and physical stresses. Built on proven Stressgard formulation technology, it supports turf health beyond traditional applications, helping maintain consistent playing surfaces throughout the season.

Stressgard technology works both within and on the plant, improving physiological processes and supporting turf resilience under pressure.

How It Works

Fiata Stressgard enhances key plant processes:

- Supports chlorophyll production and photosynthesis
- Improves plant energy and metabolic function
- Strengthens plant response to stress conditions
- Enhances overall turf health and consistency

This results in healthier turf better able to withstand challenging conditions.

Key Benefits

- ✓ Improves tolerance to heat, drought and environmental stress
- ✓ Enhances turf colour and visual quality
- ✓ Supports consistent playing surfaces
- ✓ Strengthens plant health beyond standard treatments
- ✓ Reduces impact of wear, traffic and stress

Stressgard technology has been shown to improve turf quality and consistency, even under prolonged stress conditions



Order Code

OAI005571

Pack Size 10L

Application Rate

Powered Sprayer:
10–20L in 200–500L
of water per hectare

Knapsack sprayer:
100–200ml per 100m²
in 2–5L of water

Timing

Apply at 14–28 day
intervals

Pack Coverage

5,000 – 10,000m²

Fiata Boost

Rooted in Plant Health

Supporting Turf Performance Under Stress

Fiata Boost is a microbial biostimulant designed to help turf maintain performance, resilience and recovery under a wide range of stresses. By enhancing root–soil interaction and supporting plant health, it helps maintain consistent turf quality through challenging conditions.

How It Works

Fiata Boost combines beneficial microbes and natural bioactives to support plant and soil function:

- Stimulates root growth and nutrient uptake
- Enhances plant defence responses and recovery
- Improves water and nutrient efficiency
- Supports beneficial microbial activity in the soil

This creates a stronger, more resilient turf system capable of performing under pressure.



Order Code

OAI010107

Pack Size 1kg

Key Benefits

- ✓ Supports turf resilience under heat, drought and stress
- ✓ Improves root development and soil activity
- ✓ Enhances recovery following stress events
- ✓ Maintains turf quality and consistency
- ✓ Complements nutrition, wetting agents and IPM programmes

Did You Know?

Suppressive soils are rich in beneficial microbes that help plants perform under pressure. Fiata Boost contains Trichoderma and Bacillus species that enhance root growth, nutrient uptake and natural plant defences, helping build a healthier, more resilient rootzone.

Rootzone Remediation

Restoring Balance Below The Surface

Building Stronger Soils for Better Turf

Turf performance is fundamentally driven by the condition of the rootzone. Compaction, poor soil structure and imbalanced soil chemistry can restrict root development, limit nutrient uptake and reduce overall turf resilience.

Rootzone remediation focuses on improving both the physical structure and biological activity of the soil, enabling better air exchange, water movement and nutrient availability.

By addressing these limitations, turf managers can create stronger, more consistent surfaces capable of performing under pressure.

Understanding the Rootzone

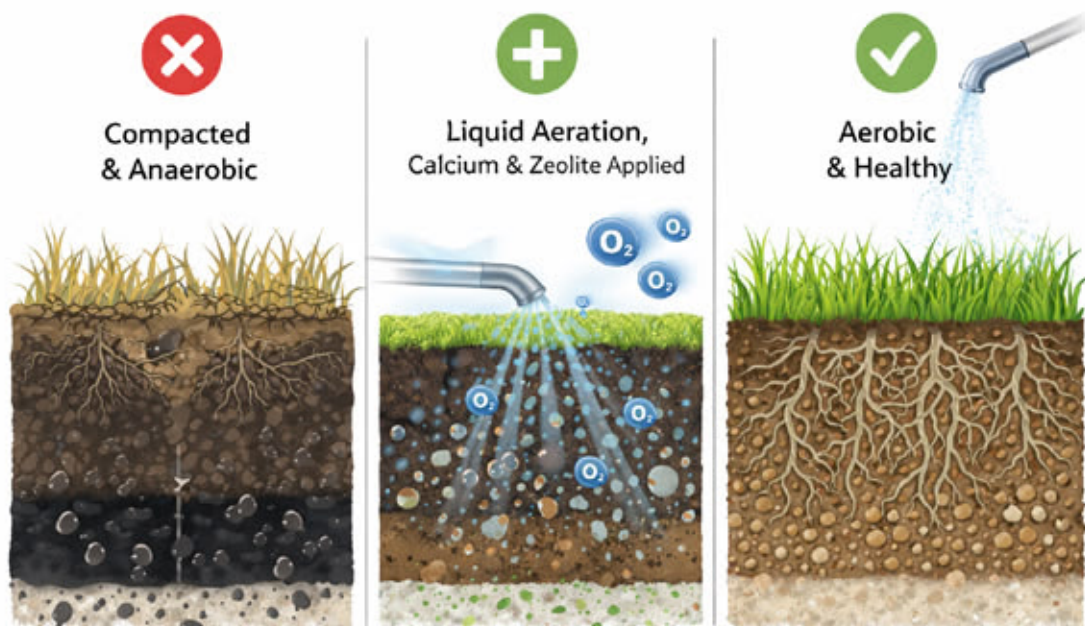
Healthy soils require both oxygen and balanced chemistry to function effectively.

Compacted or waterlogged soils quickly become anaerobic, limiting microbial activity and leading to issues such as black layer, poor rooting and reduced turf quality. As highlighted in research, oxygen is essential for both plant growth and beneficial soil biology, driving aerobic processes within the rootzone

At the same time, soil chemistry must be balanced. Calcium plays a key role in maintaining open soil structure and ensuring nutrients remain available for plant uptake.

Key Benefits

- ✓ Improves soil structure and reduces compaction
- ✓ Enhances oxygen availability and microbial activity
- ✓ Improves water infiltration and drainage
- ✓ Increases nutrient availability and retention (CEC)
- ✓ Promotes deeper rooting and stronger turf



Product Overview

Liquid Aeration (Liquid) A liquid oxygenating solution that helps restore aerobic conditions within the rootzone. It supplies available oxygen to stimulate microbial activity, reduce black layer and improve nutrient cycling, particularly in compacted or waterlogged soils.	Order Code	Size
	OAI004424	5L
	NPK Ratio 21.0.0	
Traceolite (Granular – Zeolite Mineral Technology) A mineral-based amendment that improves cation exchange capacity (CEC), helping soils retain and exchange nutrients more effectively. Supports nutrient availability and reduces leaching.	Order Code	Size
	OAI006668	25kg
CalciComplex (Granular) A calcium-based soil conditioner that promotes soil flocculation and enhances structure. Helps maintain open pore spaces for air and water movement while supporting plant strength.	Order Code	Size
	OAI006325	25kg

Spreader Settings – Appli-Tec 2000

Application Rate	Single Pass	Double Pass	Spread Width	Cone Setting
25g/m²	L		4m	6
30g/m²	M			
35g/m²	N	M		
40g/m²	O			
45g/m²	P			
50g/m²	Q	N		

Integrated Soil Improvement Strategy

Rootzone remediation is most effective when used as part of a combined programme:

- Mechanical aeration to relieve compaction
- Oxygenation to restore biological activity
- Soil amendments to improve structure and chemistry

This integrated approach delivers both immediate recovery and long-term soil health.

Did you know?
Mechanical removal and surface grooming support thatch management and ensure surface performance.

Seaweed Technology

Natural Performance Enhancement

Supporting Turf Through Natural Biology

Seaweed-based products are a key component of modern turf management, supporting plant health, resilience and recovery through naturally derived bioactive compounds.

Sourced primarily from *Ascophyllum nodosum*, seaweed extracts contain a range of beneficial components including polysaccharides, amino acids and plant growth regulators, which help optimise plant performance under a wide range of conditions.

Widely used across sports turf, seaweed technologies support both routine maintenance and stress management programmes.

How Seaweed Works

Seaweed extracts enhance plant function by:

- Stimulating root growth and development
- Supporting plant recovery from stress
- Enhancing nutrient uptake and efficiency
- Promoting stronger, more resilient turf
- Improving tolerance to environmental pressures

As highlighted within established industry research and product development, bioactive compounds within seaweed play a key role in supporting plant physiology and stress tolerance.

A Flexible Tool for Turf Managers

Seaweed products can be applied throughout the growing season:

- During periods of stress (heat, drought, wear)
- To aid recovery following damage
- As part of regular plant health programmes
- In tank-mixes to enhance overall performance

Continuous Innovation at OAS

Origin Amenity Solutions is committed to continually evaluating and developing new seaweed technologies, ensuring customers have access to the most effective and sustainable solutions available.

This includes ongoing work in extraction methods, formulation technology and integration with wider plant health programmes.

Seaqquest

Cold-Processed Seaweed Technology

Stronger Roots. Better Resilience. Consistent Performance.

Seaqquest is a premium cold-processed *Ascophyllum nodosum* seaweed extract, designed to support turf health through natural plant and soil processes. Cold processing preserves key bioactive compounds, ensuring maximum effectiveness without damaging the natural chemistry of the seaweed. Unlike more aggressively extracted products, Seaquest works with the plant, supporting steady, balanced development rather than forcing excessive top growth.

What Makes Seaquest Different

- ✓ Cold-processed to retain natural bioactivity
- ✓ Supports plant and soil biology
- ✓ Promotes balanced growth and development
- ✓ Designed for modern turf management programmes

Proven Stress Reduction

Seaweed technologies such as Seaquest support turf during stress by:

- Enhancing natural stress response pathways
- Supporting osmotic balance within the plant
- Reducing the impact of drought and salinity

Trials show treated turf experiences lower stress levels and improved recovery, maintaining surface quality for longer under pressure.

Where It Fits

Ideal for:

- Summer stress programmes
- Restricted irrigation environments
- High-wear areas
- Renovation and recovery periods
- Year-round plant health programmes

Suitable across:

- ✓ Golf greens, tees and fairways
- ✓ Sports pitches
- ✓ Racecourses
- ✓ General amenity turf



Order Code	Size
OAI000236	10L
OAI000237	1000L

Performance Benefits

Seaqquest is focused on below-ground development and stress resilience:

- Stronger, deeper root systems
- Improved nutrient uptake and efficiency
- Enhanced tolerance to drought and environmental stress
- Improved turf consistency without flush growth

Healthy root systems improve:

- Water uptake
- Nutrient absorption
- Turf stability and wear tolerance
- Recovery from stress and damage

Advanced Seaweed Biostimulants

Proven Plant Health Technologies

Building on extensive research and development, Ascoflex Plus and Turfcomplex provide advanced seaweed-based biostimulant solutions designed to support plant health, stress tolerance and recovery.

Both products utilise high-quality seaweed extracts and complementary technologies to maximise plant response and performance.



Order Code	Size
OAI004492	10L
OAI004494	100L

Ascoflex Plus

A high bioactive seaweed formulation derived from *Ascophyllum nodosum*, enhanced with additional plant-based compounds.

Key Features

- High concentration of bioactive compounds
- Contains amino acids, vitamins and antioxidants
- Supports stress tolerance and recovery
- Promotes consistent plant performance
- UK manufactured for quality and consistency



Order Code	Size
OAI004497	10L
OAI004499	100L

Turfcomplex

A combined seaweed and humic-based formulation designed to support plant health and reduce stress.

Key Features

- Combines seaweed extract with humic substances
- Enhances nutrient uptake and utilisation
- Supports plant recovery and resilience
- Ideal for use in tank-mix programmes
- Proven performance in stress reduction programmes

Integrated Use

These products are commonly used:

- During periods of plant stress
- As part of recovery programmes
- Within tank-mix strategies
- To support consistent turf performance

Spray Marker Dye

Enhancing Accuracy and Application Confidence

Marker dyes are a simple but highly effective tool for improving the accuracy and efficiency of spray applications. By providing a clear visual indication of treated areas, marker dyes help operators achieve consistent coverage while reducing overlaps, misses and unnecessary product use.

Suitable for use across sports turf, amenity and landscape applications, marker dyes improve spraying accuracy and support professional application standards.

Why Use Marker Dyes?

- Clearly identify treated areas during application
- Reduce overlaps and missed sections
- Improve spraying efficiency and accuracy
- Minimise product wastage
- Assist with operator confidence and record keeping

Marker dyes are commonly used with herbicides, fungicides, liquid fertilisers, wetting agents and other spray-applied products.

Product Overview

Super Signal Blue

A highly visible blue spray marker dye designed to provide clear indication of treated areas during application.

Key Benefits

- ✓ Bright, highly visible blue colour
- ✓ Helps improve spray accuracy and consistency
- ✓ Reduces overlaps and missed areas
- ✓ Suitable for a wide range of spray programmes
- ✓ Temporary colour fades naturally after application

Order Code

OAI006336

Pack Size 5L

DewCure™

Long-Lasting Dew Control for Healthier, Drier Turf

Keeping Surfaces Drier for Longer

DewCure is a long-lasting dew control product designed to reduce the accumulation of surface moisture on turf, including dew, guttation fluid and light frost.

By creating a water-resistant coating on the leaf surface, DewCure helps maintain drier playing conditions, improve presentation and support plant health throughout periods of elevated moisture. Suitable for use on golf greens, tees, approaches, fairways, sports pitches and fine turf surfaces, DewCure forms an important part of modern turf management programmes.

Why Surface Moisture Matters

Extended periods of leaf moisture create favourable conditions for disease development and can negatively impact maintenance operations.

Reducing surface moisture can help:

- Improve surface presentation and playability
- Support disease management programmes
- Reduce disruption from dew and guttation fluid
- Improve mowing quality and clipping collection
- Enhance operational efficiency during maintenance activities

Key Benefits

- ✓ Long-lasting dew and guttation suppression
- ✓ Faster drying following rainfall and irrigation
- ✓ Supports a drier leaf environment
- ✓ Helps improve mowing and maintenance efficiency
- ✓ Assists surface preparation prior to aeration and topdressing
- ✓ May help reduce conditions favourable for foliar disease development
- ✓ Supports quicker recovery from light frost conditions
- ✓ Reduces leaf wetness duration during high disease pressure periods.



Order Code

OAI006380

Pack Size 10L

Application Rate

6L/ha

Water Volume

400L/ha

Typical Longevity

1–3 weeks depending on growth and mowing frequency



Used as part
of an integrated
Microdochium
plan

How DewCure Works

Suppressing Dew and Guttation

DewCure forms a rainfast, water-resistant coating on the leaf surface that suppresses the formation of surface moisture.

In addition to reducing dew formation, DewCure helps minimise guttation fluid, which occurs when excess water is released from the plant through specialised pores known as hydathodes. Both contribute to prolonged leaf wetness and can create favourable conditions for disease development.

Supporting Turf Health

Research and field experience have demonstrated that maintaining a drier leaf surface can help reduce the environmental conditions associated with diseases such as Microdochium Patch and Dollar Spot.

University trials have shown significant reductions in Dollar Spot activity compared with untreated turf, while practical experience across the UK and Ireland has indicated lower disease pressure during susceptible periods of the year.

Additional Benefits

✓ Frost Management

DewCure influences where frost develops, encouraging ice crystal formation on the leaf surface rather than within the soil profile. This can contribute to faster thawing and earlier recovery of treated areas.

✓ Maintenance Efficiency

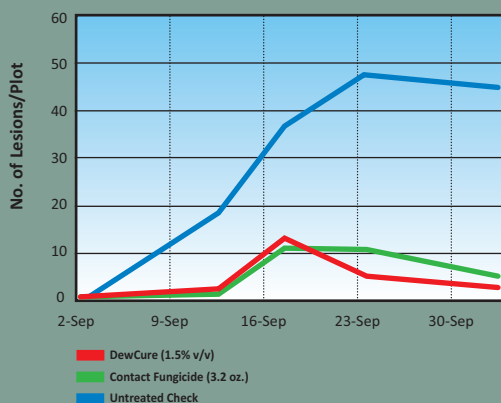
Applying DewCure before aeration or topdressing can help maintain cleaner, drier surfaces, improving the efficiency of maintenance operations and helping materials move more effectively into the turf canopy.

Did You Know?

Trials conducted by Ohio State University demonstrated that DewCure significantly suppressed Dollar Spot compared with untreated turf, while Rutgers University trials showed reduced Anthracnose development under treated conditions.

Dollar Spot putting green study

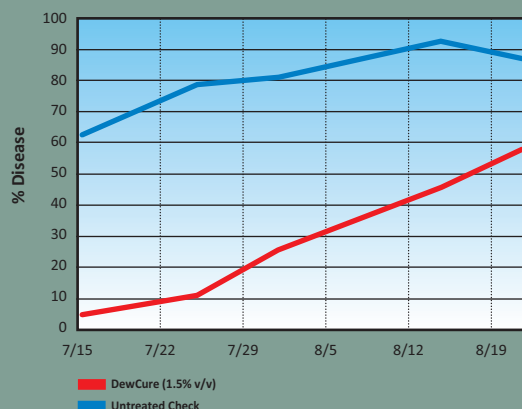
Autumn 2008 – Boehm, et. al. Ohio State University



DewCure was significantly different from untreated check on all dates.
All applications made at 14 day intervals beginning September 2.

Anthracnose putting green study

2008 – Clarke, et. al. – Rutgers University



DewCure is significantly different from untreated control on all dates.
DewCure applications made at 14 day intervals beginning July 15.

ThatchZyme®

Target Thatch at Source. Improve Performance Without Disruption



ThatchZyme is a proven sprayable enzyme technology, with a patented formulation designed to manage thatch in fine turf surfaces.

By targeting the most resistant components of thatch, ThatchZyme accelerates natural breakdown processes, helping reduce organic matter accumulation and improve playing performance—without the disruption of mechanical operations.

Order Code

OAI004323 – 1L
OAI010004 – 4L

Pack Sizes

1L, 4L

Application Rate

2.6L/ha per month

Why Thatch Management Matters

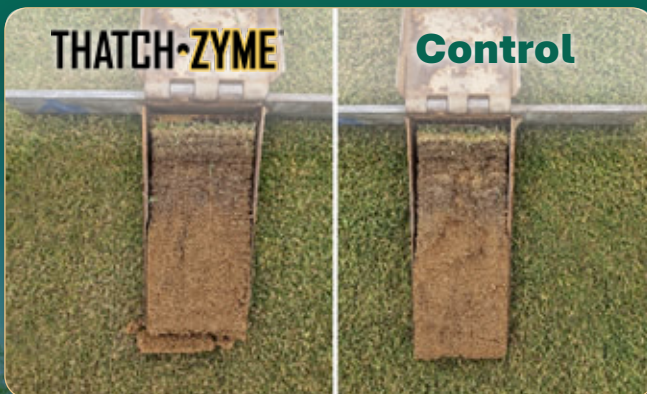
Excess thatch leads to:

- Reduced water infiltration
- Poor nutrient efficiency
- Softer, inconsistent playing surfaces
- Increased disease pressure
- Reduced root development

Effective thatch management is essential for surface performance, plant health and long-term turf sustainability.

Key Benefits

- ✓ Reduces organic matter accumulation
- ✓ Improves surface firmness and playability
- ✓ Enhances water movement through the profile
- ✓ Supports healthier rootzones
- ✓ Reduces reliance on disruptive mechanical operations



At the end of the 2023 season there the ThatchZyme treated area had significantly less visible thatch compared to the control area on 20+ year old bentgrass/poa tees.

A New Approach to Thatch Control

Traditional methods rely on:

- Scarification
- Hollow coring
- Sand topdressing

While effective, these can be labour intensive, disruptive and limited by timing.

ThatchZyme provides a complementary, non-disruptive solution, working within existing spray programmes to continuously manage thatch levels.

How ThatchZyme® Works

Enzyme Technology Targeting Lignin

ThatchZyme harnesses the power of Laccase, a naturally occurring enzyme that breaks down lignin—the toughest and most resistant component of thatch.

Lignin is slow to degrade and is a key reason thatch accumulates in managed turf systems.

While soil biology naturally produces this enzyme, modern turf practices (particularly nitrogen inputs) can limit its activity.

ThatchZyme supplements this process by delivering an effective dose directly into the thatch layer.

The result:

Accelerated thatch breakdown through natural biological pathways.

Proven Performance

Extensive field and research trials demonstrate:

- 15.8% reduction in organic matter accumulation compared to untreated turf across multiple sites
- Treated areas showed stable or reduced thatch levels, while untreated areas increased significantly
- Visible reduction in thatch layers within a single season
- Improved soil profile and root development

Effective thatch management is essential for surface performance, plant health and long-term turf sustainability.

In controlled studies, ThatchZyme has also shown:

- Up to 21% increase in root length in creeping bentgrass

Ideal for

Golf greens and tees
Sports turf surfaces
High organic matter profiles
Sites where disruption must be minimised
Integrated thatch management programmes

Simple, Flexible Application

- Applied as part of a monthly spray programme
- Compatible with liquid fertilisers and tank mixes
- Water in after application to reach the thatch zone
- Ideal for season-long programmes for best results

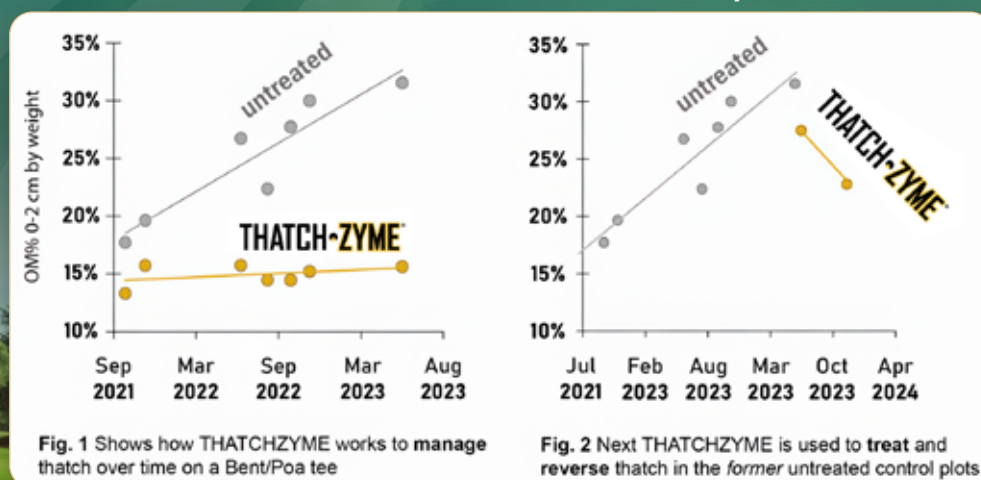
Did You Know?

Thatch is largely composed of lignin-rich material, which is naturally resistant to breakdown.

Modern turf nutrition can suppress natural enzyme activity in soils.

Enzyme-based approaches help restore balance within the soil system.

2021–2023 Colorado Course Study



Biosolutions

Working With Nature to Deliver Stronger, More Resilient Turf

Biosolutions combine beneficial microorganisms, biological processes and natural technologies to support soil health, root development and turf performance. Designed to enhance the soil-plant relationship, these products help create more resilient surfaces by improving biological activity, nutrient cycling and environmental stress tolerance.



Order Code	Size
OAI007121	2 x 50g
OAI007123	8 x 50g

DegrAID

Biological Thatch Management

DegrAID is a specialist biological formulation containing beneficial fungi and bacteria selected to accelerate thatch breakdown and stimulate soil biological activity. By converting organic matter into beneficial humus, it helps improve nutrient availability, rootzone performance and overall turf health.

Key Benefits

- Promotes biological thatch degradation
- Converts organic matter into beneficial humus
- Improves nutrient availability and recycling
- Supports beneficial soil microbial activity
- Encourages healthier, more active rootzones
- Helps improve turf resilience during periods of stress



Order Code	Size
OAI001715	5kg

AquaCept

Biological Dry Patch Solution

AquaCept provides a biological approach to managing hydrophobic rootzones associated with fungal dry patch and fairy rings. Selected bacteria help break down the compounds responsible for water repellency, improving water infiltration and helping restore more uniform moisture distribution throughout the soil profile.

Key Benefits

- Targets the biological causes of dry patch
- Improves water infiltration and movement
- Supports more uniform soil moisture
- Helps reduce localised dry spot development
- Encourages healthier turf growth and recovery
- Ideal for integration with wetting agent programmes

Before AquaCept application



After AquaCept application





BioTabs

Beneficial Microbial Rootzone Support

BioTabs provide a simple and convenient way to introduce beneficial bacteria and fungi into the rootzone. Designed to support soil biology, nutrient availability and root development, BioTabs help create a healthier growing environment for sustainable turf performance throughout the season.

Key Benefits

- Replenishes beneficial soil microorganisms
- Encourages stronger root growth and root mass
- Improves nutrient availability and uptake
- Supports soil biological activity
- Assists organic matter breakdown
- Helps improve water and nutrient retention
- Supports healthier turf with reduced input dependency



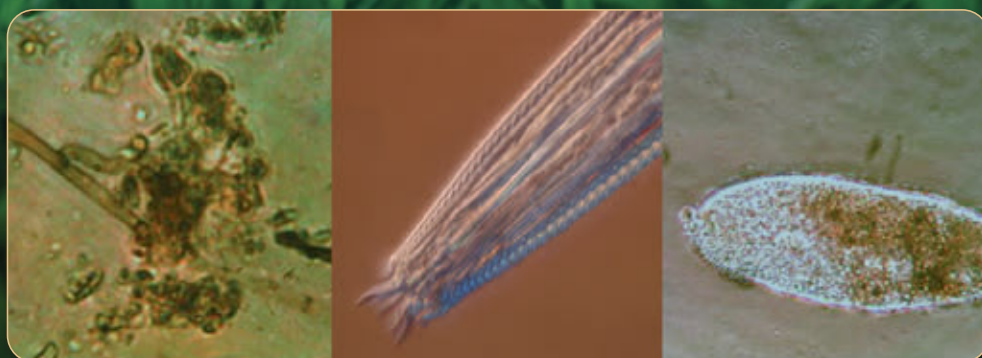
Compost Tea Packs

Building Soil Biology from the Ground Up

Compost Tea Packs provide a complete solution for producing high-quality compost tea, helping to introduce a diverse population of beneficial microorganisms into the rootzone. Designed to stimulate the soil food web, they support healthier soils, stronger roots and improved turf resilience.

Key Benefits

- Encourages a healthy and active soil food web
- Promotes stronger root development
- Improves nutrient cycling and nutrient uptake
- Supports the establishment of fine grasses
- Enhances tolerance to drought and environmental stress
- Helps improve drainage and soil structure
- Suitable for use with compost tea brewing systems

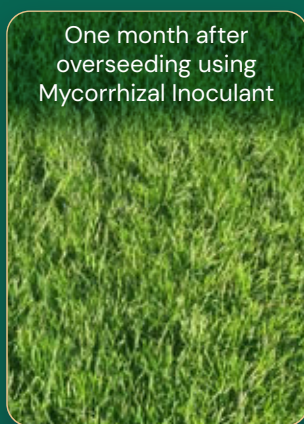


Biosolutions

Working With Nature to Deliver Stronger, More Resilient Turf



Order Code	Size
OAI004334	25kg



One month after overseeding using Mycorrhizal Inoculant

Mycorrhizal Inoculant

Accelerated Establishment & Stronger Root Systems

Mycorrhizal Inoculant contains beneficial mycorrhizal fungi, bacteria and supporting biology to help establish a more effective root system. Ideal for new construction, renovation and overseeding projects, it promotes stronger rooting, improved nutrient uptake and greater turf resilience.

N	P	K	MgO	Fe
2.5	0	1.74	0.8	0.7

Spreader Settings – Appli-Tec 2000

Granular Size Range	Cone Setting	Spread Width	Setting 50g/m ²
0.5 – 1.8mm	4	3m	R

Key Benefits

- Encourages rapid establishment of seeded and turfed areas
- Significantly improves root mass and rooting potential
- Enhances nutrient and water uptake
- Supports fine grass establishment and persistence
- Increases tolerance to drought and environmental stress
- Helps build a healthier soil ecosystem
- Ideal for renovation and grow-in programmes



Application Rate

50g/m²

Available as: Granular biological thatch management treatment

Order Code	Size
OAI004332	25kg

ThatchEater

Biological Thatch Reduction

ThatchEater is a specialist biological product formulated with beneficial fungi and bacteria selected for their ability to break down thatch and organic matter. By converting accumulated organic material into beneficial humus, it helps improve rootzone performance, nutrient availability and playing surface quality.

Key Benefits

- Accelerates biological thatch degradation
- Converts organic matter into valuable humus
- Improves nutrient availability and uptake
- Promotes stronger root development
- Enhances sward density and wear tolerance
- Helps improve surface drainage and firmness
- Supports healthy soil biology and aeration programmes





Order Code	Size
OAI001647	10L

Vermi Extract

Restoring Soil Biology Naturally

Vermi Extract is a liquid biological amendment derived from high-quality vermicompost, providing a diverse range of beneficial microorganisms and organic compounds to support soil health and plant performance. It helps create healthier, more biologically active rootzones while improving nutrient availability and soil condition.

Key Benefits

- Replenishes beneficial soil microorganisms
- Improves nutrient availability and nutrient cycling
- Increases humus production for improved water and nutrient retention
- Enhances soil structure and percolation
- Encourages stronger root development and sward density
- Supports healthier turf with reduced dependency on inputs

Before Vermicompost Extract



After Vermicompost Extract



Order Code	Size
OAI001580	1kg
OAI001585	5kg
OAI001577	10kg

Mycorrhizal Transplanter

Improved Establishment for Trees & Shrubs

Mycorrhizal Transplanter is a specialist inoculant containing endo and ecto mycorrhizal fungi, beneficial bacteria and supporting trace elements. It is designed to improve establishment, enhance rooting and support long-term plant health in landscape and amenity planting projects.

Key Benefits

- Improves transplant survival and establishment
- Encourages faster root development
- Supports stronger growth in challenging soil conditions
- Enhances nutrient and water uptake
- Reduces the need for fertiliser and irrigation
- Improves plant health, vigour and resilience
- Suitable for a wide range of trees and shrubs