

# GROUNDSKEEPING

## JOURNAL

£2.95

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### SALAMANDER PUMPS

Salamander Pumps unveils new-to-market digital water multimeter

### BIGGA

Otter Creek's director of agronomy becomes BIGGA's 90th Master Greenkeeper

PLUS...

### BARONESS

If consistent cylinder cutting is the question, Baroness has the answer!

### MILWAUKEE TOOL

The Open Secret to Pristine courses



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IN PARTNERSHIP  
WITH GMA**



**KUBOTA**  
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INFINICUT® FL22 proves to be a silver lining during prolonged rainfall





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Welcome to *Groundskeeping Journal*, the UK's leading bi-monthly publication providing latest product innovations, industry news and opinions from key professionals within the industry. With focuses on Aeration, Irrigation & Drainage; Greenskeeping; Latest News; Machinery; Pitch & Line Marking; Specialist Mowers; Sports Ground Equipment; Sports Pitches; Top Dressing; Sprayers & Spraying and Turf Management.



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## The KSAB SprinklerTrim

(pat. pend)

The SprinklerTrim drastically reduces the time and labour required to trim around irrigation heads.

Its fast, efficient cut removes excess turf accurately around irrigation heads and produces a consistent finish with significant cost savings.

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# Contact Us

## Enhancing Quality Sports Services

**H**ello and welcome to Groundskeeping Journal. Our publication has been created to showcase the very latest industry news and product information from the Groundskeeping sector.

In each edition we carry in depth articles from some of the industry leaders, the articles cover many aspects of Groundskeeping with some offering tips and advice on Sports Pitches, Turf Management, Greens Keeping and much, much more. Whether you are looking for tips and advice on creating the perfect green or looking to source



the right product for your synthetic surface GKJ has it all.

Our vision is to connect our readers with professionals and suppliers working within their sector and we hope that we have created a platform that will become a must have tool for anyone working within the industry.

Many thanks for taking the time to read our publication, we hope you enjoy the read and if you would like to keep up to date with all things GKJ then make sure you check out our subscribe page.



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### Contact the Groundskeeping Journal team below:

#### Editor-In-Chief

Antony Holter  
 editor@mhmagazine.co.uk  
 01304 806039

#### Editor

Emma Page  
 emma@groundskeepingjournal.co.uk  
 01304 806039

#### Publishing Director

Martin Holmes  
 martin@mhmagazine.co.uk  
 01304 806039

#### Sales Director

Lee Martin  
 lee@groundskeepingjournal.co.uk  
 01227 936974

#### Business Manager

Josh Holmes  
 josh@mhmagazine.co.uk  
 01304 806039

#### Studio Designer

Richard Bland  
 richard@mhmagazine.co.uk

#### Digital Manager

Jamie Bullock  
 jamie@mhmagazine.co.uk  
 01227 936971

#### Accounts Department

Alison Holmes  
 accounts@mhmediaglobal.com  
 01227 936971

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# Chafer Grubs



## An eye-sore subject!

**C**hafer grubs can be causing extensive damage to turf before you really notice.

Adult chafer beetles lay eggs anywhere from late May to early July where they hatch around 2 - 4 weeks later. They start feeding on grass roots which will show signs of weakening yellow patches. Where there are large infestations of grubs feeding, the turf will lift easily due to the anchoring roots being eaten.

However, the main damage, often referred to as secondary damage, comes from large birds (mainly crows/rooks), foxes or badgers showing no consideration for the turf. They just rip it open looking for their tasty meal.

Most damage will be seen in August and September when the grubs are closer to the surface. As the weather turns cooler, they move deeper in the soil profile and stop feeding.

### Control

Having an integrated method of control shows good planning and will take into consideration the different species of chafer and the varying unseasonal weather conditions we experience.

To start with, get to know your areas of turf and where it is attacked, this will ensure you are only treating areas that are infested with grubs, as there are limitations on areas you can spray chemical controls. In addition, treating areas that do not have a problem is expensive and wastes time.

Placing pheromone traps in surrounding trees or hedges during May and June can help catch adults before they mate.



The chemical control, Acelepryn, can be sprayed a month after eggs have been laid, this affects the nerve receptors of the grub and causes paralysis, they are then unable to feed and die. Timing is essential for Acelepryn to be effective, because, although the chemical can also cause adult grubs to become paralysed, it may wear off with grubs being able to feed again.

If you are not happy using chemical, there are biological control options available.

Contact one of our qualified sales representatives who would be happy to talk through options.

**For more information or advice on how to best tackle chafer grubs or any other turf issue, contact a Collier Turf Care Area Sales representative or our office on 01328 700600 / [sales@collier-turf-care.co.uk](mailto:sales@collier-turf-care.co.uk).**





# Have you checked your irrigation?

Remember to keep checking it's all working effectively as the summer weather hits!



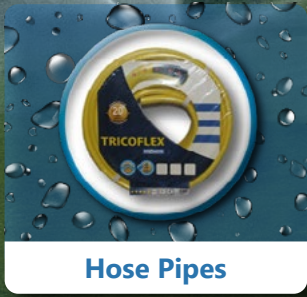
**Sprinklers**



**Pumps**



**Hose Reels**



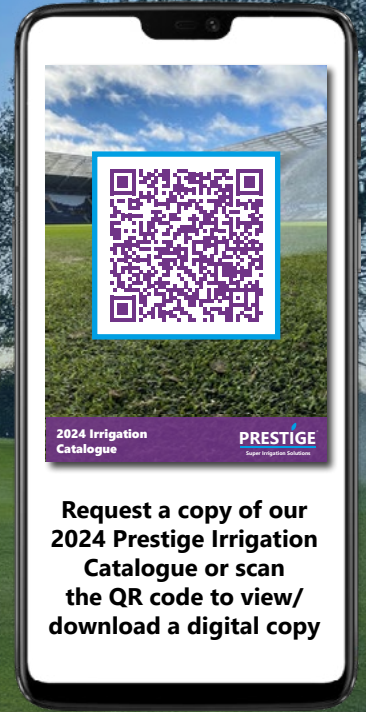
**Hose Pipes**



**Hose Fittings**



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**COLLIER TURF CARE**





# Perfect Pitches champion Wiedenmann Terra Spike XF for cricket maintenance

**F**

amily-owned contractor, Perfect Pitches of Grantham, Lincolnshire, are long time advocates of the Wiedenmann

Terra Spike XF.

Indeed, Director, Keith Exton and his son, Alex, go as far as saying it is the only deep aerator on the market that can get the depth without damaging the surface in the harsh cricket square environment.

Perfect Pitches have an established reputation for first-rate care and attention, whether it be for one of their blue-chip clients like Lords,

“

*Perfect Pitches have an established reputation for first-rate care and attention*

the Oval, Trent Bridge or work with the smallest village clubs.

Keith always partners their Wiedenmann XF, with a trusty John Deere 3720 on Galaxy turf tyres, for autumnal cricket square Terra Spiking,

“Every square is different. However, correct set up is essential. The forward speed of the XF is

much quicker than any other deep aerator on the market. Crucially, it's the tine striking action - due to the belt driven balanced crank shaft - on the XF that fires the tine into the ground so rapidly that makes the difference. It does not seem to hang on to the tines when they come out, so you don't get 'lift', everything is clean, precise and tidy. That's what makes it fantastic.

“We must be doing something right as we keep getting the invitation to return year on year,” said Keith.

**For more information contact Wiedenmann UK 0141 814 3366 or [info@wiedenmann.co.uk](mailto:info@wiedenmann.co.uk) & Premier Pitches 07801 814450**



## Superior, Ergonomic Knee Protection with KneeGuard PRO

Combining trademarked KneeGuard™ pads with the KneeGuard PRO positioning system in Snickers Workwear trousers is one of the most ergonomic solutions for effective knee protection. Snickers



Workwear has a range of 8 Kneepads to fit different types of trousers to suit different jobs on site. Such as the specialist Squarefit™ Kneepads for the Floorlayer trousers and the slim-fit Kneepads for street-smart slim-fit trousers. Or the D30® Ergo kneepads that mould around your knee to provide enhanced impact protection. They're great for tradesmen and women who spend a lot of time working on and off their knees and who want to ensure maximum long-term comfort and wellbeing. Snickers Workwear trousers come in 5 different leg lengths as standard and what's more, the design of the kneepad pocket allows you to adjust the kneepads to different heights to ensure the correct positioning to maximise protection.

[www.snickersworkwear.com/list/product-guide/all-about-our-kneepads](http://www.snickersworkwear.com/list/product-guide/all-about-our-kneepads)

## Propel equips leading Landscaping business to drive growth



Propel recently financed a cherry picker for a leading Landscaping business;

supporting the customer to achieve their development ambitions. Following this purchase, Propel helped the customer secure twelve more deals towards a range of business critical assets.

Feedback from the customer:

"We were initially referred to Propel as we required asset finance towards a cherry picker. We were impressed by the whole process, while the speed rate of securing the finance was very quick and efficient. The Propel team were outstanding; and the whole experience of dealing with them was excellent. We had so much confidence in Propel. It was a no brainer for us to return to them for further finance. They've since managed to help us purchase several other key assets such as woodchippers, cars, trucks and vans."

**To discuss how you could benefit from an asset finance solution designed around your business, call Propel's specialist team on 01633 982922 or email [contact@propelfinance.co.uk](mailto:contact@propelfinance.co.uk).**



## GROUNDS MANAGEMENT ASSOCIATION

Groundskeeping Journal is thrilled to announce a strategic partnership with the Grounds Management Association (GMA), the leading professional body representing grounds management professionals. This collaboration marks a significant milestone in our commitment to offering a valuable resource to professionals in the industry.

Through this partnership, Groundskeeping Journal and GMA will work together to bring our readers some fantastic news and insights into the current happenings at the GMA.

**We are very much looking forward to working with the GMA and seeing where this partnership will take us.**

## GROUNDSKEEPING JOURNAL



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# The GMA's NextGen

Nurturing the next generation of grounds people

**T**he European football championships are in full swing, and the players seem to be getting younger. Spain's Lamine Yamal is just 16!

It's quite a contrast to the professionals who look after the pristine pitches the prodigy plays on. Research shows two in five grounds professionals are over 50, an ageing workforce that could shrink by 20% in the coming years if the next generation of talent doesn't come through.

That's where the Grounds Management Association's NextGen team comes in.

This group of up-and-coming sports turf professionals are on a mission to inspire more young people to get involved in groundskeeping:



## NEXT GEN



**LOUISE SAUNDERS**

**PLACE OF WORK:** Premier Sports Surface Ltd  
**JOB ROLE:** Managing Director

**RESPONSIBILITIES:**  
 Setting the company's objectives, articulating its vision, and refining its range of products and services which includes the construction and maintenance of synthetic sports surfaces

**AMBITION FOR NEXTGEN:**  
 To collaborate with influential UK career advisors at events and on initiatives, enabling the GMA's NextGen to actively advocate for the grounds industry and reach even more young people

**Louise Saunders**

Became managing director of a leading sports surfaces supplier aged just 22, she's passionate about getting more young people involved in the grounds care industry.

“  
*Since joining the industry at 18, I've loved working for a business that supports communities and contributes to the creation of safe spaces where children can engage in sports.*  
 ”



## Beth Gibbs

Maintains a range of sports pitches at Wellington School, and winner of the GMA's prestigious Young Groundsperson of the Year award in 2023.



*There are so many different environments you can work in, from schools to stadiums, local clubs, and much more.*



## BETH GIBBS

**PLACE OF WORK:**  
Wellington School

**JOB ROLE:**  
Grounds Person

**RESPONSIBILITIES:**  
Maintaining the schools grounds, covering rugby, football and cricket pitches as well as the athletics track

**AMBITION FOR NEXTGEN:**  
To use her role on NextGen to promote the industry to more young people in schools and college, as well as to people with disabilities



## JACK LANGLEY

**PLACE OF WORK:**  
Ashton Gate Stadium

**JOB ROLE:**  
Deputy Head Grounds Person

**RESPONSIBILITIES:**  
Creating the best possible playing surface for Bristol City FC Men's and Women's teams as well as the Bristol Bears

**AMBITION FOR NEXTGEN:**  
To encourage young people of all backgrounds and experience to consider the world of career opportunities available in the grounds management industry



## Jack Langley

Deputy head groundsperson at Ashton Gate, home of Bristol City and the Bristol Bears. Jack loves spreading the word of the benefits of grounds management to young people - including working outdoors.



*The buzz you get from a Match Day and the knowledge that all the hard work from the week before has gone towards producing a quality surface for a professional club is always hugely rewarding.*



## Liddy Ford

Groundsperson at the FA's St George's Park on a mission to encourage more young people, especially women, to enter the sector.



*I want NextGen to create greater awareness of career pathways in the grounds industry, as well as attracting a more diverse group of younger people to join the sectors.*



## LIDDY FORD

**PLACE OF WORK:** The FA, St George's Park

**JOB ROLE:** Grounds Person

**RESPONSIBILITIES:**  
Regular pitch maintenance and managing pitches for all 23 of England's national football teams training sessions

**AMBITION FOR NEXTGEN:**  
To mix with all corners of the grounds management industry and make a positive change within it, encouraging more young people, particularly women, to enter the sector





## SAM CAIN

**PLACE OF WORK:** Cain Markings

**JOB ROLE:** Owner

**RESPONSIBILITIES:**

Carrying out site inspections, sports surface maintenance, and line markings at a range of sites in the South East

**AMBITION FOR NEXTGEN:**

To show younger generations that grounds management offers a viable career path with many different avenues and opportunities for progression



## Sam Cain

Grounds management is in his blood. His dad worked in the industry and Sam now owns his own sports surface maintenance company.



*Every day in grounds management offers different challenges and there's a massively diverse range of careers to pursue, covering everything from working on the ground to sales, mechanics and business development.*



## Joe Broadwood

Head of gardens and grounds at a grounds management business, keen to help younger people follow his footsteps and discover the career opportunities available to them in grounds keeping.



*There's a world of opportunities for young people in grounds management - who wouldn't want to work outside and produce some of the very best surfaces in the world!*



## JOE BROADWOOD

**PLACE OF WORK:** JCB Garden Landscape

**JOB ROLE:** Head of Gardens and Grounds

**RESPONSIBILITIES:**

The management of the gardens and grounds across the estate, covering multiple properties and teams

**AMBITION FOR NEXTGEN:**

To make more young people aware of the career paths available to them by promoting the opportunities found in the grounds management industry



## Meg Lay

Groundsperson at Lord's Cricket Club, has her finger on the pulse when it comes to knowing how to encourage young people into the industry.



*I want to bring fresh ideas to the GMA's NextGen and ensure that we put them into action. We need to figure out how to best appeal to young people, looking inwards at what drew us to the industry, and promoting those aspects to a broader audience.*



## MEG LAY

**PLACE OF WORK:** Lord's Cricket Ground

**JOB ROLE:** Grounds Person

**RESPONSIBILITIES:**

Covering turf maintenance, pitch preparation, mowing, and overall ground upkeep, to produce the highest quality playing and training surfaces for cricket players of all levels, from schools to test matches

**AMBITION FOR NEXTGEN:**

To bring new ideas to the GMA's NextGen and show young people the best of the grounds management sector so that it can appeal to a wider audience





### Positive green shoots

Ongoing research by the GMA is showing positive signs when it comes to workforce development.

Compared to 2022, the number of grounds staff under the age of 35 is up from 19% to 27% in 2024. Over that same time, there has also been an increase from 3% to 5% in the number of grounds managers aged 24 and under.

With their work inspiring young people to get involved, the NextGen team are at the forefront of these green shoots.



### Where to catch the NextGen

NextGen will be hosting an interactive event at Wimbledon in September, giving schoolchildren the chance to get hands-on experience of the skills and knowledge needed to be a groundsperson - and learn why the job is so important and rewarding.

Members of NextGen will also be attending SALTEX in October - where you can get to know them in person. You can also find out more about NextGen on the GMA's website:

[thegma.org.uk](http://thegma.org.uk)





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Sustainable  
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[www.glasdon.com](http://www.glasdon.com)



# Otter Creek's director of agronomy becomes BIGGA's 90th Master Greenkeeper

Otter Creek director of agronomy Brent Downs has become the 90th Master Greenkeeper since the certification's inception in 1990.

In doing so, Brent, 43, is just the 36th person to possess both Master Greenkeeper and Certified Golf Course Superintendent classifications, two of the highest accolades available to experienced golf greenkeepers on either side of the Atlantic.

Of the moment he was told he had been successful in achieving Master Greenkeeper status, Brent said: "It was amazing and there were a lot of different emotions. I know the journey to get there and a lot of people have walked it before me, so it was equal parts shock and gratitude. The elation, thankfulness and introspection came later."

Although a resident of Indiana in the Midwest United States, Brent attributes much of his success to experiences gained during spells in Australia and the United Kingdom. Having interned at Loch Lomond Golf Club in 2007, Brent has become



the fourth Master Greenkeeper to be associated with the Argyll & Bute course, following in the footsteps of Ken Siems, David Cole and Janne Lehto.

"Not a whole lot of people get the opportunity to intern in Scotland and Australia at the beginning of my career," said Brent. That just changed my perspective and my worldview so much. It was the first time I ever heard about Master Greenkeeper, because even though there are only 90 of us, four of them are in some way tied to Loch Lomond Golf Club - Ken Siems and David Cole, who were my bosses at the time, and now Janne Lehto and me are Master Greenkeepers 89 and 90."

After word of Brent's achievement was circulated to his fellow Master

Greenkeepers, he was flooded by congratulations.

"I'm proud of the part I played in this, but you don't ever accomplish anything like this on your own," said Brent. "It takes a village and I'm grateful for the Master Greenkeepers that mentored me, coached me and calmed down - they just kept encouraging me to stay with it.

"The minute Deb [Burnett, BIGGA Learning and Development Manager] sent out that email, I don't think I've ever received so many congratulations. It was at that moment I realised what a community or family Master Greenkeeper is."

To qualify for the Master Greenkeeper Certificate, a candidate must have at least 10 years' experience working as a greenkeeper including three years as a course manager, head greenkeeper or superintendent. Certification includes the completion of a rigorous assessment programme that covers all aspects of golf course management.

Master Greenkeeper is a mark of distinction and is highly respected in the golf industry, signifying the holder has achieved the highest level of professional expertise with a commitment to maintaining the highest standards of golf course management.

**You can find out more about Master Greenkeeper on the BIGGA website, [www.bigga.org.uk](http://www.bigga.org.uk)**





# If consistent cylinder cutting is the question, Baroness has the answer!

W

hen considering the desirable qualities of a walk behind cylinder mower, outstanding quality of cut is likely to

top of the list, quickly followed by robust build quality and reliability. With the pedestrian range from Baroness, turf managers can be assured of ticking every box - not just delivering Samurai sword sharpness but a cylinder designed to stay on cut longer than the competition, delivering ultimate quality and finesse for the management of fine turf surfaces.

The Baroness LM56-66 series is proof that solid build doesn't have to mean heavy weight, with the 56cm and 66cm models among the lightest in their class. Highly manoeuvrable, the LM56GC is ideal for use of golf greens and tees, bowling greens, tennis courts and cricket pitches, powered by a Honda GX120 4-stroke petrol engine and designed with ergonomic control at its core for optimal operator comfort.

Along with the slightly wider LM66TC/GC model, the Baroness design incorporates traditional all-gear drive - delivering 100% transmission rate with no slippage or lag between the drive to reel rotation ratio. In addition, the durability of this system compared to belt or chain drive is extremely high, providing additional peace of mind that a balanced cut will be achieved with every operation.

The renowned cylinder is manufactured from Nickel-Chrome-Molybdenum alloy steel which,



when combined with specially hardened-tipped bedknives, retains the sharpest cutting edge for longer than any other brand. This quality makes Baroness the solution for a clean cut on all grass types, helping to promote healthy growth and contributing to surfaces that are less vulnerable to disease.

A 5-year warranty is available on the Baroness LM56-66 series as standard, while a range of attachments including a bi-directional front grooming reel, de-thatching reel or brush to convert the unit into a versatile maintenance system are also available.

For a precision cut on undulating ground, the Baroness LM101 incorporates the aforementioned benefits into their best floating head greens mower design to date. With the mower unit independent from the drive unit, and the grass box independent of the mower unit, the operator can assured of a consistent cut height and an impeccable quality of finish. The LM101 also features the shortest distance between front and rear rollers, and an 11-blade 4" diameter reel to eliminate the risk of scalping.

**For more information on the Baroness pedestrian range, visit [www.baronessuk.com](http://www.baronessuk.com)**





# Trimax introduce the SR (Single Roller) Range for Enhanced Long Grass Performance!

**W**hen customers expressed the need for machines capable of delivering a Trimax-quality cut but in long grass applications, Trimax listened by introducing their latest innovation: the SR (Single Roller) range of mowers.

Building on the success of their double roller (DR) counterparts, the ProCut S5 SR, Stealth S3 SR, and Pegasus S5 SR models have been meticulously crafted to meet the unique challenges of long grass applications while maintaining the market-leading cut quality and low maintenance aspects that have made the Trimax range so successful.

Key design changes include a low body profile, optimised cutting chambers and baffle design, which are used across Trimax's rotary range to provide a better finish and spread at higher cut heights.

## Introducing the SR Lineup

Starting the lineup is the compact ProCut S5 SR, a single deck rotary mower requiring as little as 35hp at the PTO. Available in four cutting widths (1.7m, 2.1m, 2.3m & 2.9m), and offering a cut height range of 10-110mm, the ProCut S5 SR is engineered to tackle those challenging commercial environments.

Next up is the Stealth S3 SR. With the ability to deliver a quality cut in grass up to 500 mm high, the Stealth SR is an ideal alternative to gear-driven wing mowers. It has a cutting width of 3.4m and can cover over 2 hectares per hour giving customers maximum productivity.

Completing the range is the Pegasus S5 SR, specifically designed for wide-area mowing in long grass. Key design changes include replacing front rollers with castor wheels and increasing the aperture at the front of each deck to allow more grass to enter the cutting chamber without being



rolled over first. These changes enable the mower to cut grass up to 500mm in height, depending on conditions.

With the introduction of front castors and larger side channels, the finished cut height range of the Pegasus S5 SR has been extended to 20-180mm, an increase of 70mm compared to its double roller counterpart. This versatility allows customers to cut both short and long grass heights efficiently.

“

*Building on the success of their double roller (DR) counterparts, the ProCut S5 SR, Stealth S3 SR, and Pegasus S5 SR models have been meticulously crafted to meet the unique challenges of long grass applications while maintaining the market-leading cut quality and low maintenance aspects that have made the Trimax range so successful.*

### Meeting the Challenges Head-On

The SR range is ideal for various applications like large estates, airfields, and racecourses, where precise grass height and clean turf are crucial. Its excellent cutting quality and versatility also make it great for sports fields and school grounds, where grass cutting frequencies may have changed. The SR range offers all the advantages of Trimax's double roller mowers, including ease of use, low maintenance, and a

top-notch 3-year warranty, giving operators confidence to handle any terrain.

### Experience the Difference

The SR range isn't just about mowers; it's about redefining what's possible in turf maintenance. Discover the future of mowing with the SR range from Trimax.

**For more information visit:**  
[www.trimaxmowers.co.uk](http://www.trimaxmowers.co.uk)







# BIGGA, Toro and Reesink UK reveal line-up for 2024 Toro Student Greenkeeper of the Year finals

**A** former IT recruiter, a hotel doorman, a county cricketer and a heavy metal guitarist are just some of the finalists of the most prestigious awards event in the student greenkeeping calendar.

The British & International Golf Greenkeepers Association (BIGGA) and co-founders and sponsors Toro and Reesink UK have revealed the line-up for the 2024 Toro Student Greenkeeper of the Year Awards. Now in its 35th year, the awards have helped unearth some of the brightest talents within the turf management industry and laid the foundations for decades of professional success.

Held at Oulton Hall in Leeds on 2-4 September, the finalists will compete in a series of challenges that are designed to test their technical knowledge and passion for the greenkeeping profession. Winners will then be crowned in the categories of Toro Student Greenkeeper of the Year and Toro Young Student Greenkeeper of the Year.

BIGGA Learning and Development Manager Deb Burnett said: "Whether joining the industry fresh from full-time education or opting to switch after a career elsewhere, our finalists are a diverse group, but they

demonstrate the extraordinary talent that is present in today's golf greenkeeping industry. The degree of knowledge they possess is testament to the quality of training they receive, both at work and with their training providers, and we're looking forward to welcoming them all to the finals in Leeds in September for what stands to be an exciting couple of days."

David Timms, National Accounts Manager at Reesink UK and Young award category judge, said: "We are very much looking forward to again welcoming this year's finalists to the long list of student greenkeepers who have made it to this stage previously. The interviews



this year were all of a high calibre and showcased how positive the future of the industry is. On behalf of everyone at Reesink UK and Toro, we wish all the finalists good luck and will see them in September for the next part of their journey.”

The Toro Student Greenkeeper of the Year finalists are:

1. Patrick Brown, greenkeeper at Wentworth Club and student at Berkshire College of Agriculture
2. Jack Chapman, apprentice greenkeeper at The Grove and student at Capel Manor College
3. Matt McCreadie, greenkeeper at Tadmorton Heath Golf Club and student at Myerscough College
4. Jack Vowell, greenkeeper at Farrington Park Golf Club and student at Bridgwater & Taunton College
5. Jack Wellings, greenkeeper at JCB Golf & Country Club and student at Myerscough College

The Toro Young Student Greenkeeper of the Year finalists are:

1. Morgan Bowen, greenkeeper at Nevill Golf Club and student at North Kent College
2. Alex Fox, apprentice greenkeeper at Woodhall Spa Golf Club and student at Bishop Burton College
3. William Moore, apprentice greenkeeper at Kilworth Springs Golf Club and student at Myerscough College
4. Daniel Parker, greenkeeper at Knighton Heath Golf Club and Sparsholt College
5. Cameron Redden, apprentice greenkeeper at Strathmore Golf Centre and SRUC Elmwood College

To be eligible for the Toro Student Greenkeeper of the Year category, candidates must have been a greenkeeper for a minimum of 12 months and be studying towards the Level 2 Golf Greenkeeper or Level 3 Advanced Golf Greenkeeper qualifications.

To be eligible for the Toro Young Student Greenkeeper of the Year category, candidates must be aged 21 or under and studying towards

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*Whether joining the industry fresh from full-time education or opting to switch after a career elsewhere, our finalists are a diverse group, but they demonstrate the extraordinary talent that is present in today's golf greenkeeping industry.*

the Level 2 award at the time of application.

More information about the finalists can be found on the BIGGA website, where you can also find information about the incredible prizes on offer for the awards winners and their endorsers and the runners-up in each category, including a 10-week placement on one of the industry's most influential training courses.

[www.bigga.org.uk](http://www.bigga.org.uk)





# Zero blade costs until 2027 with new promotion from GreenMech

G

reenMech have announced the launch of a special summer promotion which will present not just cost savings,

but increased peace of mind, to customers purchasing a new woodchipper. Between 1st June and the end of August, all machines will be supplied with a second set of GreenMech's revolutionary disc blades free of charge, all-but eliminating additional blade expenditure for the duration of the 3-year warranty or average 3-year finance deal.

Launched in 1995, GreenMech's unique disc-blade chipping technology means that, in operation, only 30% of the blade's circumference comes into contact with the waste material. This not only reduces the blades vulnerability to damage caused when contaminants such as soil and stones are inadvertently introduced into the chipper, it enables the blade to be turned to a new sharp section when these edges get worn. In the field, this equates to 600% more blade life and significantly more hours of chipping before the need to re-sharpen.

In addition to improved longevity, the disc-blades 'slicing' action is 1.5dB quieter than conventional straight blades - reducing the noise emissions of every operation.

With the purchase of a GreenMech chipper and the completion of the warranty form, the new promotion will see customers receiving a second set of disc blades absolutely free - giving you two complete sets of blades at no extra cost. By rotating and replacing these sets, up



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*Launched in 1995, GreenMech's unique disc-blade chipping technology means that, in operation, only 30% of the blade's circumference comes into contact with the waste material.*

to 360 hours of use can be expected without the need to sharpen, resulting in savings of over £600.

“At a time when costs are increasing across the board, this promotion is a great way of giving customers real savings on their maintenance costs over their first few years of ownership” adds GreenMech Sales Director Martin Lucas. “Together with reduced expenditure and

less machinery downtime, the additional blade sets give all customers the peace of mind that their GreenMech chipper will remain in top working order.”

**Terms and conditions apply. Further information is available by visiting the GreenMech website - [www.greenmech.co.uk](http://www.greenmech.co.uk) - or by speaking with your local approved GreenMech dealer.**





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# Branching out Groundskeeping Management

**T**rees are an essential part of a course: they provide natural barrier screens, shade and shelter, whilst contributing to the overall player experience of the course. Yet, they can also pose safety risks and demand significant maintenance, leading to extensive administrative and record-keeping tasks. Purpose-built tree management software could be the solution.

## Trees on the Golf Course

Great golf courses are not just about manicured greens and fairways; they are also about the natural beauty that surrounds them. Trees play a vital role in enhancing the aesthetic appeal of golf courses, contributing significantly to the player's environment. Beyond their aesthetic, trees are increasingly recognised for

their environmental benefits, such as carbon capture, air quality improvement, enhanced drainage, and biodiversity. These benefits make trees an essential element of sustainable golf course management, enriching both the environment and golfing experience.

Golf course managers will be well aware with the work involved in managing trees on golf courses. Left unmanaged, trees will encroach on the courses - posing safety risks to players and staff. Ensuring the long term health of trees requires a proactive approach to their management and pest and disease control. A well-managed course implements a systematic approach to tree risk assessment; inspecting trees regularly, pruning branches, or removing trees that pose a danger

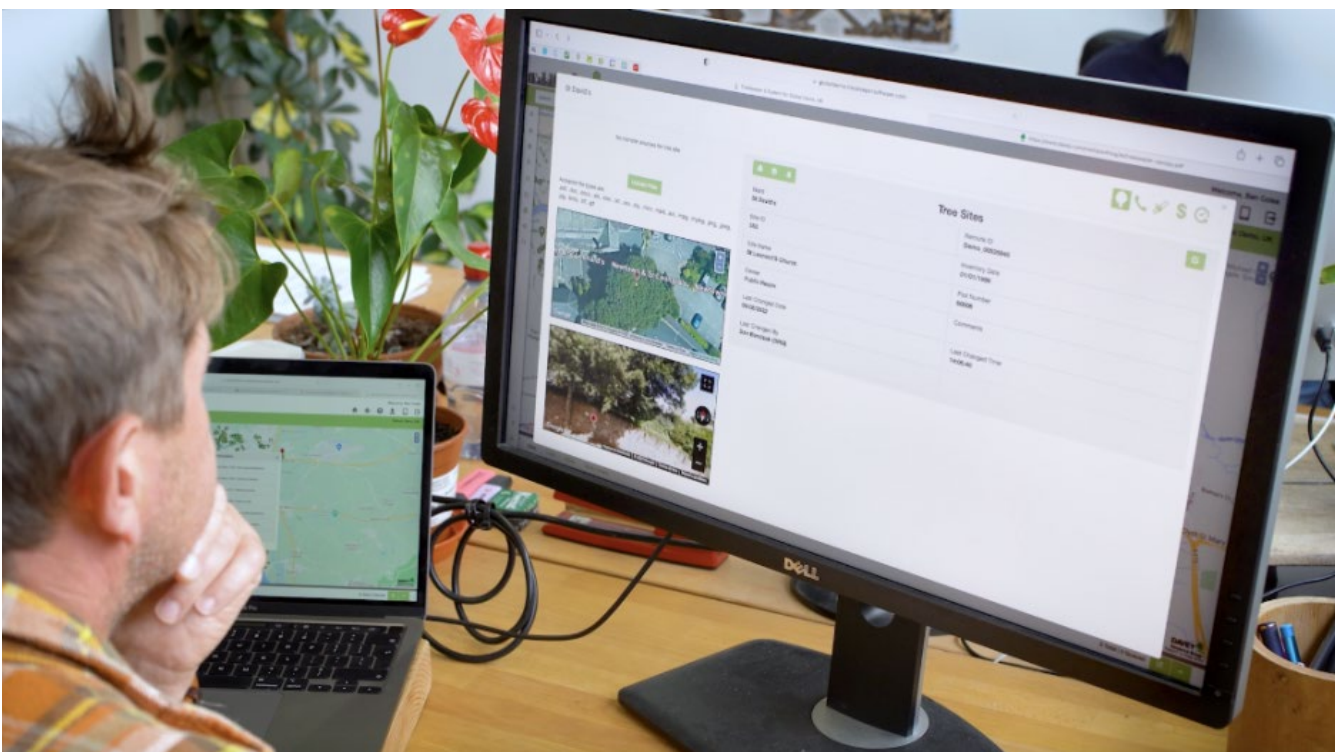
to players or property.

## Traditional tree management

All of this involves a lot of time planning, inspecting and monitoring trees, documenting their condition and work that has been undertaken or is scheduled. Many groundskeepers may do this record-keeping manually, using spreadsheets or standard database software like Microsoft Access - or even using paper-based records. But this method is time-consuming, prone to inaccuracies or missing records, and may not be robust enough to demonstrate compliance with safety regulations should an accident occur.

## Tree inventory software

A Tree inventory software offers a purpose-built solution that streamlines the entire tree

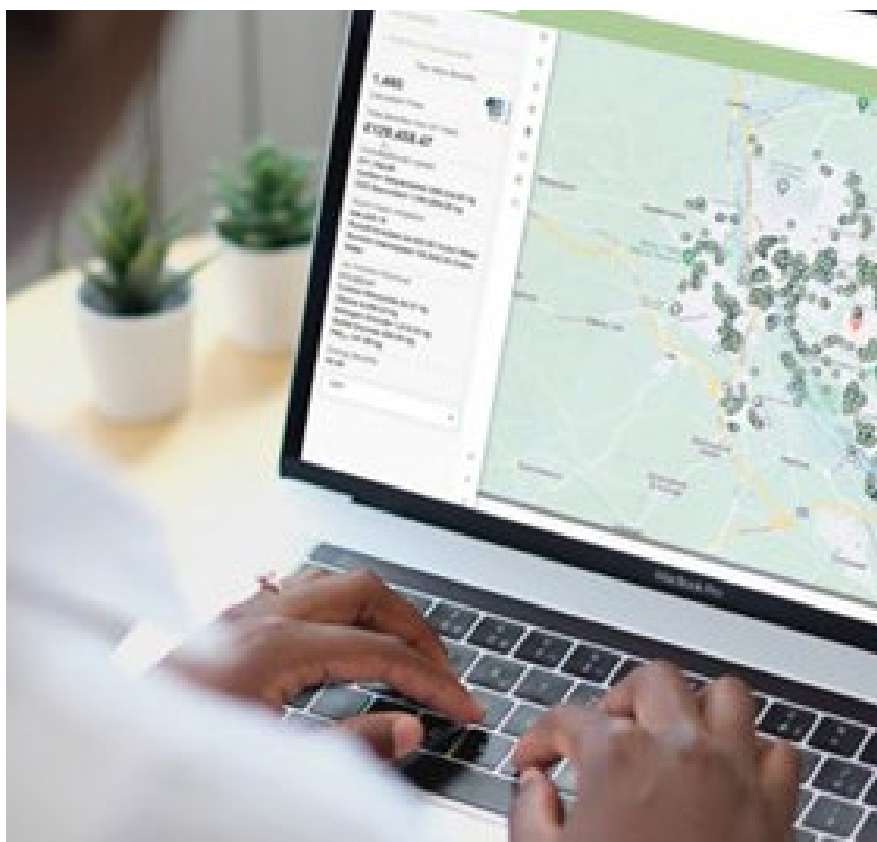




	TreeKeeper	TreePlotter	Ezytreev	Pear Technology
Unlimited user capability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unlimited tree capability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No hidden additional costs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Allows for mobile access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Location aware interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjustable user permissions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Allows job scheduling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ecosystem benefits calculations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cloud, SaaS, Web-Based	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Photo upload facility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Supplies free training videos	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Offers free demo	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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*A Tree inventory software offers a purpose-built solution that streamlines the entire tree management process, allowing golf course managers to identify and address potential risks proactively.*



management process, allowing golf course managers to identify and address potential risks proactively. Typically, users can enter data from tree inspections directly via a smartphone or tablet, monitor tree condition, keep track of planned/completed work, document expenditures, plan budgets, and establish realistic maintenance

schedules. The software can then produce comprehensive reports; for example tracking tree health, maintenance schedules, historical data, preparing updates for stakeholders, and analysing trends over time. As well as tree health and risk, a good software can monitor tree species and age class diversity, and quantify ecosystem

services. The best software allows separate logins for staff, contractors, club members and the public with customisable permissions.

#### Cost

A good tree inventory software needn't cost a fortune - typically around £5,000 per year. Beware though that packages vary substantially in what they offer, and some offer important functionality, or additional user licences, as extra charges, which can significantly increase overall cost. A comprehensive understand of what each inventory software package includes, and the costs associated, will help ensure you choose a solution that aligns with your budget and management goals.

#### Conclusions

No-one enjoys admin. With new, affordable products available, now is an ideal time to explore how much time a tree management software like this could save you. By investing in a such software, you're not just saving time; you're also ensuring the safety of players, protecting property, and enhancing the environmental sustainability of your golf course.



# *FC2-221 becomes the latest addition to the Kubota Front Collect mower range*

*The newest addition to Kubota's Front Collect mower series features a simplified design, complementing the professional-grade models currently available in the Front Collect range.*

## **Operation and comfort**

The primary objective with the FC2-221 was to create a machine that brings simplicity to the existing range. Significant design changes have led to a notable reduction in the number of wearing parts and maintenance needs, while the operating platform now features a more traditional and user-friendly layout.

With a 480-litre grass collector, you can easily cut and empty large quantities of grass into trailers or existing heaps - with the raising, lowering and tipping functions of the FC2-221's high-lift feature easily operated with a single lever.

The FC2-221 offers the option of a rotary deck (112cm/44") or a flail deck (110cm/43"). The rotary deck features twin rotors with overlapping blades for precision cutting, while the flail deck offers various cutting blade options to suit different conditions and applications. The latter option also comes with the patented

"Smart System" of blade removal, incorporating an innovative magnetic pin for swift and effortless blade changes.

## **Performance**

The FC2-221 is powered by a Kubota D902 engine producing 22hp/16.2kw. The size and weight of the engine fits perfectly into the dimensional design criteria and has abundant power to perform all operations, even in more demanding environments.

Additionally, it incorporates the patented HST transmission to maintain consistent traction on all four wheels while turning, preventing damage to the turf caused by skidding or slipping.

Kubota's reputation for dependability and reliability is upheld in the FC2-221, with the majority of its components manufactured in-house. This ensures internal quality control measures and reduces reliance on external suppliers.



### Application

The FC2-221's compact size and straightforward design makes it a versatile option for operators of any skill level, ideal for the effective upkeep of lawns, paddocks and other areas where larger machines would struggle. Its size also facilitates easy transportation in a van



*Kubota's reputation for dependability and reliability is upheld in the FC2-221, with the majority of its components manufactured in-house.*

or on trailer, making it easier for professional users to move it from site to site. The lighter weight also substantially prolongs the operational season, while guaranteeing peak performance and optimal results.

[www.kubota-eu.com](http://www.kubota-eu.com)





# Kress RTKn Robotic Mowers for Commercial Use

## Revolutionising Turf Care for Groundkeepers and Sports Facility Owners

**W**ith Kress Mission Mega RTKn mowers, Kress once again showcases the pinnacle of possibilities in automated mowing for commercial grounds. Building on the success of the RTKn series, these mowers integrate advanced technologies such as RTKn (Real-time kinematic to the power of network), MAP (Mowing Action Plan), and OAS (Obstacle Avoidance System) with new innovations, setting a new benchmark for performance and precision in turf care.

### Key Features and Technologies

**RTKn Technology:** The Kress RTKn mowers utilise a real-time kinematic network, eliminating the need for traditional powered antennas. This innovation not only makes the system immune to power surge damages, enhancing its reliability and resilience, but also avoids the extra costs and eyesores associated with line-of-sight aerials, this ensures the aesthetic and beauty of the grounds are preserved.

**Mowing Action Plan (MAP):** This feature optimises the mowing pattern for efficiency, ensuring complete and systematic coverage of the area.

**Obstacle Avoidance System (OAS):** Advanced sensors and algorithms enable the mower to detect and navigate around obstacles, minimising the risk of damage and ensuring uninterrupted operation.



**Slope Handling:** Kress mowers excel on sloped areas, showcasing their exceptional performance even on uneven terrain. They are engineered to manage slopes of up to 20 degrees effortlessly, ensuring consistent and even mowing. This superior slope-handling ability sets Kress mowers apart, making them an ideal choice for groundskeepers and facility managers seeking robust and versatile mowing solutions.

### Mega RTKn Models

The Mega RTKn models, such as the KR233E and KR236E, incorporate all the features of the Mission RTKn mowers with some additional enhancements.

**Double Layered Blades:** These blades are designed to produce fine clippings, even in dense turfgrass, promoting healthier turf.

**Wider Cutting Width:** With a cutting width of 13.8 inches, the mowers can cover more ground in less time.

**TeamWork Collaborative Technology:** This feature allows multiple mowers to work together

seamlessly, further improving efficiency and coverage.

**Build Quality:** The robots are not only commercial-grade but also built for true large-scale operations. A top-quality build ensures robustness and longevity. Kress mowers not only perform exceptionally well but also feature a sleek Italian design, which ensure the visual appeal of the grounds is maintained.

By utilising Kress RTKn mowers, groundskeepers and facility owners can enjoy numerous benefits:

**Unmanned Mowing:** Significantly decreases labour costs and reduces energy bills.

**Maintenance Savings:** The durability and advanced technology reduce maintenance expenses.

**Health and Environmental Benefits:** These mowers provide a quiet, emission-free alternative to traditional mowing methods, contributing to a healthier environment and sustainability goals.

**Investment Worthy:**

The operational savings and health benefits provided by Kress RTKn make it a smart investment for any groundskeeper or sports facility owner. The efficiency, reliability, and technological advancements set a new standard in commercial turf care.

**For more information, visit the Kress website: [kress.com/en-gb/rtkn-without-boundary-wire](https://www.kress.com/en-gb/rtkn-without-boundary-wire).**

# RTK<sup>n</sup>

Real-time kinematic to the  
power of network



# Kress<sup>®</sup>

## THE FUTURE OF UNMANNED MOWING IS NOW.

The Kress RTK<sup>n</sup> robot mowers extend unmanned mowing to larger areas. They efficiently operate in parallel lines and autonomously move from one area to another, as if driven by humans. There is no need for boundary wires or on-site aerials. The Kress RTK<sup>n</sup> robot mowers maintain areas of up to 36,000 m<sup>2</sup> each.

Speak to your local grounds maintenance machinery dealer today to learn more.

[kress.com](http://kress.com)



# Power on demand with Makita's 'Connect X' charging system



The 'Connect X' Backpack Power Supply from Makita, is a high performance solution for landscaping equipment and construction power tools that supplies consistent, long-lasting power directly to Makita's range of Connect X compatible tools. The Connect X Backpacks can also supply power to Makita's LXT and XGT equipment via an adaptor.

## Connect X is commercial output on demand

Makita's Connect X accelerates the transition to battery power with a high capacity battery built into its Connect X Backpacks, to enable all-day work and performance without the hassles of petrol or cords.

The Connect X Backpack Power Supply is compatible with Makita's premium line of Connect X equipment, which includes the recently launched LM001C Lawnmower, the UR201C Linetimmer and UB003C and Blower.

For the ultimate in versatility, the Connect X Backpack Power Supply can also be used with Makita's



40VMax XGT and 36V (18V x2) LXT products - when used with an adaptor.

## Built-in backpack power

There are two primary Connect X Backpack batteries with in-built power that can be used as a portable power source to extend the run time of Makita's products: The PDC1200 features 1,200Wh of battery capacity providing runtimes equivalent to 11x 18V 6.0Ah batteries and the PDC1500 with higher capacity battery delivering 1,500 watt hours of output.

## Two ways to connect

**Direct connection:** The Connect X Backpack Power Supply attaches directly to Connect X power equipment. When you pair the Connect X Backpack Power Supply

with Connect X commercial power equipment, there's no adaptor needed. For mowing, the battery can be removed from the backpack and attached to the Connect X lawnmower for up to three hours of continuous mowing. The Connect X linetrimmer and blower offer direct connection via an on-board cable.

**Corded adaptor:** Connect X is not a standalone system. An adaptor can be used for connecting the Connect X PDC1200 or the PDC1500 Backpack to Makita's 40VMax XGT and 36V (18V x2) LXT tools to offer users with more flexibility. Simply use the adaptor to quickly connect the Connect X Backpack Power Supply.

Makita has also designed the LXT system's Portable PDC01 Backpack Power Supply for compatibility with its Connect X products. Simply load two or four 18V LXT batteries into the PDC01 Backpack and connect directly to Connect X commercial power equipment. Or use an adaptor for use with Makita's expansive range of LXT 18V and 36V (2x 18V) products.

**For more information visit:**  
[www.makitauk.com/connect-x](http://www.makitauk.com/connect-x)



# Makita®



## 40V MAX XGT 38CM MOWING DECK -12 / +5MM WORKING DEPTH



40V MAX XGT SCARIFIER: UV001G  
BRAKE, ANTI-RESTART FUNCTION, CONSTANT SPEED

### XGT



### 120+

Discover the expansive XGT 40V and 80V Max line-up. With over 120 products and still expanding, the XGT range is your ultimate alternative to traditional petrol and mains power sources. Experience on-demand power across our complete product spectrum. Makita provides more than just power tools, explore our full range at [makitauk.com](http://makitauk.com) and follow us on socials for updates.

## XGT

## 40V<sup>Li-ion</sup>max

## BL MOTOR

# makitauk.com



# INFINICUT® FL22 proves to be a silver lining during prolonged rainfall for Stanedge Golf Club

**A**n INFINICUT® FL22 was purchased by the team at Stanedge Golf Club to equip the Derbyshire venue with a mowing solution for periods of wet weather... and in reality, its delivery in the autumn of 2023 could not have been more timely! The prolonged and persistent rainfall has seen Head Greenkeeper Lee Williams and his team turning to the INFINICUT® to maintain HOC and presentation while the triple green mowers are resigned to sheltering in the shed.

Located in the picturesque Peak District, the moorland/parkland course like many has seen unprecedented rainfall levels over the last six months. "With no ability to control what mother nature throws at us, all we can do is equip ourselves with the tools and techniques to be able to deliver surfaces no matter the weather" explains Lee, who took over as Head Greenkeeper two years ago. "We knew that we needed to look at hand mowers and spoke to our local dealer Balmers GM about the options available. We trialed the INFINICUT® and were sold straight away! The quality of cut was

Engineered to suit the specific set of requirements needed for modern golf-course maintenance, the FL22 is equipped with INFINICUT's SMARTCut™ cylinder reels, produced in-house and dynamically balanced for unbeatable accuracy.



unbelievable, like nothing we'd ever used before."

The floating-head FL22 forms part of the INFINICUT® golf range, designed to deliver the ultimate precision for fine-turf surfaces. Engineered to suit the specific set of requirements needed for modern golf-course maintenance, the FL22 is equipped with INFINICUT's SMARTCut™ cylinder reels, produced in-house and dynamically balanced for unbeatable accuracy.

"On top of the quality of finish, the fact that the INFINICUT® is battery-powered has been another big plus-point for us. While it wasn't a necessity initially, we have now all-but eliminated issues with noise and vibration levels, as well as saving ourselves money on fuel." Lee continues, "John Hobbs at

Balmers was excellent at getting us all set up, including showing us the many features of the INFINIApp which we've been enjoying using and is just another thing that makes the INFINICUT® stand out from the competition."

At the time of writing, Lee explained that softer ground conditions had seen the club unable to use the triple green mowers this year to date. "The fact we've been able to get out twice weekly and in any breaks between showers with the INFINICUT® has been critical. I'd love to be able to hand mow year-round but with such a small team we are limited by our resources, however, should we be able to go down that road it would be an INFINICUT® fleet without doubt!"

[www.infinicut.com](http://www.infinicut.com)

## Just the right equipment for the job

Here at AJ Mowers we pride ourselves on helping our customers find just the right equipment for the job. We spend the time to understand your needs, visit you on site, arrange demos whenever we can and provide a range of options that meet your requirements and budget.

Over the past year we have supplied a range of Kioti products to a wide variety of customers (private individuals, large schools and a major football club) - Kioti's products are proving to be extremely popular across all sectors: agriculture, sports turf and estate management. Their premium tractors range from 21hp sub-compact models through to 120hp large chassis tractors. All can come on turf, industrial or agricultural tyres and have a formidable lift capacity.

Customers have also been impressed by the fact that Kioti produce almost all the components for their tractors themselves, allowing Kioti to offer an outstanding warranty on their machines as standard: tractors come with a 5 year warranty (or 3000 hours), and utility vehicles come with a 2 year unlimited hour warranty.

**If you'd like to discuss the Kioti range, please call our Sales Director on 07392 948439 (or 0117 960 0173) or email [sales@ajmowers.co.uk](mailto:sales@ajmowers.co.uk)**



**Groundcare Machinery Specialist**  
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We are groundcare machinery specialists serving Bristol and surrounding areas (including Dorset, Wiltshire, South Gloucestershire and North Somerset). With unrivalled skills, knowledge and experience in the commercial groundcare sector, if you've got it, we can work on it: commercial and golf mowing equipment, tractors, chippers, utility vehicles, spiking and slitting equipment and flail mowing equipment.

We work with a wide range of golf clubs, major sports grounds, large schools, colleges, universities and local councils - supporting them in all areas: sales, servicing, maintenance, repairs, parts and hire.

As an authorised dealer for Toro, Hayter, Kioti and TP Chippers we can provide advice and guidance for customers looking to invest in new equipment, as well as arranging on-site demonstrations. Given the breadth of our customer base, we also have a great pipeline of quality, used machines available.



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# Raymo

## Remote control electric mower



If you need to maintain very steep slopes, grassed banks around lakes or waterways or just difficult to access areas, the Raymo electric remote-control mower is the machine of choice. It has been designed with a low overall height of only 51 cm which together with a low centre of gravity, 4WD, and a zero-turn steering system allows the Raymo to tackle steep slopes, grassed banks and low obstacles with ease.

The operator controls the Raymo via an industrial-grade remote control so benefiting from zero emissions, low-noise and no vibrations. Being able to stand away from the mower and the ground being cut, the operator is kept away from dangerous hazards such as slopes, deep water etc.

Three rotary decks, 42", 52" and 46" Craft are available for the Raymo depending upon the type of grass to be cut and maintained. The 48" Craft deck is a heavy-duty deck for areas



that are cut only once a year. Two sickle-blade mowers, either single or dual are ideal for maintaining wildflower or bio-diversity areas.

A new option just launched is the R14 SFINX swing arm post mower which attaches to the side of the Raymo and allows posts, trees and similar obstacles to cut around. In open areas it increases the cutting width of the Raymo, but will then retract automatically when it

encounters a post or tree etc. The R14 SFINX may be fitted to the left or right or both sides of the Raymo.

The Raymo remote control electric mower cuts faster than a strimmer and will solve your health and safety problems when cutting slopes, banks and difficult to access areas.

**For a demonstration please contact [www.raymoelectric.co.uk](http://www.raymoelectric.co.uk)**





# MAKES AERATING EFFORTLESS

// The IQ dual-clutch F24/R24 gear box was chosen as it makes manoeuvring the tractor around the course whilst operating the equipment so easy. Another feature we really like is the Auto PTO function or the Headland Management System, it is brilliant for when we get to the end of the run with the aerator, we can lift the implement up, the PTO automatically cuts out, we can turn around then lower again and PTO restarts by itself. Brilliant for safety and avoiding damage or excess wear and tear on the implements themselves."

Daniel Spencer, Letchworth Golf Club

**Contact your  
Local Dealer to book  
a demonstration  
on your site today!**



# The Open Secret to Pristine courses

## The M18 brushless grass trimmer

W

ith summer upon us, the golfing season is in full swing and greenkeepers across the country are working hard to

maintain the pristine condition of courses. To help them do that, Milwaukee Tool has developed its M18 BRUSHLESS GRASS TRIMMER to ensure every corner of the course remains immaculate - particularly in those hard-to-reach areas that mowers just can't touch.

Indeed, the M18 BRUSHLESS GRASS TRIMMER (M18 BLLT-O) is designed to meet the precise demands of golf course maintenance. It provides greenkeepers with exceptional power and precision around bunkers, tee boxes and water hazards and its advanced features ensure trimming that meets the high standards of golf course maintenance.

Featuring a brushless motor and REDLINK electronics, Milwaukee Tool's M18 BRUSHLESS GRASS TRIMMER guarantees robust performance while delivering superior power and control, making it ideal for maintaining all areas of the course. The trimmer also offers dual-mode functionality, with 4600 RPM for precision tasks and 6200 RPM for more demanding jobs, ensuring the necessary power and accuracy to tackle the task at hand.



The trimmer's adaptability benefits greenkeepers by allowing adjustment of the cutting swath from 35 cm to 40 cm, ensuring consistent, well-maintained appearances across broad fairways and difficult border areas.

Likewise, its compatibility with Milwaukee Tool M18 batteries enhances operational efficiency

by standardising battery use and reducing downtime. The M18 HIGH OUTPUT 8.0 Ah battery pack provides up to an hour of runtime, supporting extended use without frequent recharges. Its swift acceleration to full throttle in under one second underscores its efficiency across diverse terrains.

By also including advanced technology such as a brushless motor and REDLINK electronics, the M18 BRUSHLESS GRASS TRIMMER ensures reliable power and durability through dual-mode functionality with speeds of 4600 RPM and 6200 RPM, catering to diverse maintenance needs, while offering precision and power where needed. And, as comfort is



key when navigating golf course terrain, the M18 BRUSHLESS GRASS TRIMMER features an adjustable auxiliary handle to help reduce fatigue during prolonged use, while ensuring precise trimming consistently.

Whether it's the Open Championship or the club championships, the M18 BRUSHLESS GRASS TRIMMER offers a comprehensive set of features making it an essential tool for professional greenkeepers, ensuring efficient upkeep and adherence to high standards across the entire golf course.

Discover more about the M18 BRUSHLESS GRASS TRIMMER by clicking [here](https://uk.milwaukeetool.eu/) or explore Milwaukee Tool's full range of outdoor power equipment and battery technology at <https://uk.milwaukeetool.eu/>.



*The trimmer's adaptability benefits greenkeepers by allowing adjustment of the cutting swath from 35 cm to 40 cm, ensuring consistent, well-maintained appearances across broad fairways and difficult border areas.*





## Eco Clipper FM343: The Future of Efficient Lawn Maintenance

Eco Clipper is recognized for its efficient, quiet, and high-performing electric mowing systems for large lawns. Our technology ensures excellent results, even in challenging conditions such as wet grass and weeds.



To meet the demand for lightweight mowers compatible with most park tractors of 40 hp and above, we introduced the Eco Clipper FM343 in 2024. This three-part front mower has a cutting width of 343 cm and can be folded to a transport width of 170 cm. Like its larger counterpart, the 411 cm wide EC-FM4, it is powered by a PTO-driven generator mounted behind the tractor.

The Eco Clipper FM343 is designed to be a versatile solution for maintaining large lawns, sports fields, and rough terrain. It sets a new standard in lawn care, ensuring that grounds are maintained efficiently and effectively. Discover the capabilities of the Eco Clipper FM343 and improve your lawn care.

[www.ecoclipper.com](http://www.ecoclipper.com)

## ECO CLIPPER®

Efficient electric mowing  
systems for maintaining  
large area turfgrass



Eco Clipper FM4 Sport, 411 cm mowing width



**NEW!**

Eco Clipper FM343  
343 cm mowing width

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## GROUNDSMAN® *Leading by design*

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- Exceptional Traction & Cutting Ability
- Low Operator Hand Arm Vibrations
- 12 - 24 inch Sod Cutting Widths



### Turf Aerators

- Solid or Hollow Coring Tines
- Proven Reliability & Performance
- Consistent Depth to 5" Depth



### Soil / Core Collector

- Hugs Contours for Clean Collection
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### Tractor Aerators

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## Groundsman turf multi cutters

Since 1990, Groundsman Industries have been developing their unique range of grass maintenance machines and accessories for maximum performance and durability. The company specialises in Turf Aerators, Core Collectors and Turf /Sod Cutters.

### Groundsman High Performance Sod Cutters

Groundsman Two and Four-wheel Drive Turf Sod Cutters deliver effortless cutting with very low operator Hand Arm Vibration levels. Large diameter ground-drive wheels provide excellent traction in all conditions. The twin axle four wheel drive models with rear blade position enable them to cut extremely accurate fine turf even on rolling terrain as well as being very capability in the rough. These versatile machines can be fitted with Trench, Mole and De-compaction Blades cutting to 15cm deep as well as Sod Blades 30cm to 60cm wide to cut 1cm to 7.5cm thick sod. Serrated Sod Blades can cut fibre reinforced grass, scrub or heather, Revetting Blades cut two and three strips of turf in one pass for sod walling or bunker building. A Guillotine attachment can be fitted on the TMC48 model to measure and chop the sod into lengths for turf nurseries and sod farms.

Visit [www.groundsmanindustries.com](http://www.groundsmanindustries.com)





Excessive Rainfall



Heat



Drought

# Combating summer stress in turfgrass

Targeted, proven solutions for the season ahead

More frequently, turfgrass is subjected to environmental extremes – heat, drought or excessive rainfall and humidity, which all impact on surface performance. With a wealth of experience underpinned by R&D, the OAS technical team are on hand with proven solutions:

- **Wetting Agents:** Optimise soil moisture and turf health
- **Biostimulants:** Improve tolerance to abiotic stresses and turf quality
- **Nutrients:** Ensure healthy plants and efficient recovery from play
- **Organo-mineral Fertilisers and Supplements:** High in humic acid to promote a healthy soil and healthy plant



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[www.originamenity.com](http://www.originamenity.com)



# Salamander Pumps unveils new-to-market digital water multimeter

The first of its kind in the UK to deliver precise water measurements

# S

alamander Pumps, one the UK's leading manufacturers of water boosting solutions, has expanded its offering

with a new, innovative device following a two-year development process.

AquaScan, the first of its kind on the UK market, is designed as a professional tool to use out in the field. It is a portable, hand-held water measuring device, with 4-in-1 measurement capabilities including flow, pressure, temperature and water hardness to deliver precise water insight.

Stocking this new product will support merchants in diversifying their technological offerings to plumbing professionals. With its compact design, this device will efficiently identify issues, enabling plumbers to offer precise solutions to their customers.

Supplied in a hardwearing and robust case, AquaScan includes a variety of accessories to allow the product to connect to a range of outlets, including pipework, hoses, showers plus both indoor and outdoor taps.

The rechargeable battery has up to a 12-hour life and can be charged via USB C cable included in the kit, meaning an installer doesn't need to keep AquaScan plugged in to use it.

AquaScan includes an IPX5 protection rating, a maximum flow measurement of 30 litre/minute, maximum water pressure



10 Bar and a maximum inlet water temperature of 70°C.

Gareth Richards, Technical Director at Salamander Pumps said: "With a focus on efficiency and accuracy, plumbers are really looking forward to having access to and using a professional device that will set a new standard of customer service.

"Our new device is a first here in the UK and takes out the guess work compared to existing measurement tools, providing trust and empowering our customers to deliver the right water solution with confidence. We've already had a number of pre-orders and positive feedback from user-trials, and we expect this device to make our customers jobs exceptionally easier and fly off the shelves."

AquaScan, designed and manufactured in the UK, is available to purchase from July and includes a one-year warranty.

**To find out more and speak with the team, visit: <https://www.salamanderpumps.co.uk/aquascan/>**





# THE BEFORE AND AFTER OF ONE METRE DEEP AERATION

**COMPACTION AND WATERLOGGING STOP PLAY.  
DOWNTIME COSTS MONEY.**



Terrain Aeration's long-term treatment reaches one metre deep where compressed air blasts the compaction.

The soil is opened up for good drainage and a healthy sward with minimum disruption.

We have been successfully deep aerating sports turf, bowling greens, golf courses, parks, racecourses, trees and gardens for over thirty years.

**See us at work:**

**[www.terrainaeration.co.uk](http://www.terrainaeration.co.uk)**

**Call us for a quotation 01449 673 783**





# Terrain gets to the core

A common problem facing building companies, contractors and landscapers on completion of a development is compaction. This can be caused by the movement of traffic and materials across the ground to buildings under construction, which leaves areas prone to waterlogging.

Groundwork, laying topsoil and grassing or turfing areas may be on clay and that has the same effect with the presence of large tracts of standing water. Newly laid gardens, grassed and play areas in particular become susceptible,

with compaction occurring far deeper than normal aerating will alleviate. Deep penetration aeration is the solution, but how do you know what lies beneath the grass and to what depth the aeration is needed? Terrain Aeration has been treating such problems for over twenty-five years and work regularly with construction companies such as Taylor Wimpey, Barrett Homes, Laings and smaller developers to provide a long-term solution.

The Terrain Aeration Terralift machines penetrate the ground to a depth of one metre,

releasing a blast of compressed air which fractures and relieves the compacted soil, creating permanent aeration and drainage. However, before carrying out the aeration, it is often necessary on old site layouts to determine what lies beneath and Terrain Aeration takes a core sample using their specialist machinery. The plastic sleeve which slides out of the metal casing reveals what the soil is like, from the topsoil down to the structure beneath. The soil cores are taken to one metre depth can also be a good indicator of where oil and diesel spillages have penetrated and how deep.







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*The Terrain Aeration Terralift machines penetrate the ground to a depth of one metre, releasing a blast of compressed air which fractures and relieves the compacted soil, creating permanent aeration and drainage.*

The Terralift can then deal with the oil-bioremediation using specialist products in the area down to one metre depth.

Penetrating deep into the ground, hard areas may be encountered, such as flint and solid building material. The Terralift probe is designed to break through the solid layers, employing a JCB hammer incorporated as part of the machine. Once the hard materials have been penetrated, the compressed air blast released creates fractures and fissures. These are injected with dried seaweed as part of the process, keeping, in this case, the clay seen in

the core sample open and allowing surface water to drain quickly down one metre and naturally percolating away.

What was once was a waterlogged area is transformed into a healthy soil structure with good root zone. Of course, not all compacted ground will have the same strata, but the Terrain Aeration process is used to treat all types of waterlogging, from small gardens to parks, public spaces and sports pitches to bowling greens.

**Terrain Aeration**  
[www.terrainaeration.co.uk](http://www.terrainaeration.co.uk)  
 01449 673783



# Fairways of the Future: Colmworth's Environmental Excellence

**C**olmworth is a golf club with a difference. Nestled in the tranquil countryside of north Bedfordshire, this inclusive and forward-thinking country estate stands as a beacon of sustainable excellence experience with its forward-thinking approach.

Under the stewardship of mother-daughter duo Julie and Tilly Vesely, this family-run golf course, retreat, and wedding venue has embraced and nurtured an organic approach to golf course maintenance with an unwavering commitment to environmental responsibility. Colmworth is a haven for the eco-conscious golfer.

Sporting an all-female management team, a rarity in this industry, they pride themselves on redefining the norm with an ethical and environmentally sensitive ethos to everything they look to offer at Colmworth.

Designed by John Glasgow in 1994 the 18-hole, Par 72 course boasts a peaceful, rural setting with a mix of raised tees with stunning views and some challenging water hazards on 4 holes including the signature 12th hole.

Proudly inclusive and forward-thinking, Tilly explains, "Colmworth



is the people and planet friendly place to enjoy relaxed golf, great food, celebrate or holiday. Our focus is to be environmentally friendly; it is an ethos that has run through the business from the very beginning. We do things differently here, we want to be known for being a friendly, affordable and inclusive venue, as well as a destination and club that focuses on sustainability."

A key part of this strategy is the clubs' organic approach to managing the golf course, choosing non-chemical options at every opportunity by utilising Symbio products (now an integral part of Origin Amenity Solutions' offering) for over a decade. Initially trialled on the par 3 644-yard-long pitch & putt course, the improvements spoke for themselves with the "brilliant results". This led to a fully organic programme being developed for the main 18-hole course and has provided firm, receptive, and disease-resistant surfaces ever since.

Bradley Jones, Head Greenkeeper, runs a small but effective team delivering the organic strategy



working closely with Julie and Tilly. He adds, "Our golf course is carefully nurtured by organic products. It is best known for playing exceptionally well throughout the winter and following extreme weather conditions. Despite the British weather, we've never had to use winter greens and we are proud of our excellent drainage which enables our course to remain open year-round. We are passionate about protecting our planet and utilise organic products on the course. For over 10 years we have used Symbio products and brewed Symbio microbial Compost Teas to feed and maintain the turf and this has also made our greens very strong and resistant to disease."

Colmworth Golf Club has a programme from OAS compiled in consultation with Brad to promote soil biology and enhance microbial products. It includes a granular microbial thatch degrading product, Symbio Thatcheater. Supporting this are microbial Compost Teas, fungal and bacterial additives, Liquid Aeration, and microbial-enhancing bio-stimulants.

In addition to the club's 'green greens' programme, Colmworth's approach to water management has been said to be ahead of its time. The basis of the drainage system

“

*Colmworth is the people and planet friendly place to enjoy relaxed golf, great food, celebrate or holiday.*

is to gather rainfall collected over the course and direct it through drainage into holding lakes to then be used as the water source for the irrigation system. Tilly adds, "We have excellent drainage which all feeds into the lake on the 12th hole. This then acts as a reservoir for the summer months to keep the greens watered, playable, and healthy."

Its innovative practices such as organic turf management, water conservation, and community engagement have secured the club two prestigious accolades. Colmworth Golf Club won the England Golf Sustainability Project of the Year 2024 in the governing body's centenary year.

They also emerged as winners at The Golf Environment Awards, held at BTME 2024, being crowned the UK Environment Golf Club of the Year. These awards are for golf clubs in the UK that are leading the way in sustainability across nature conservation, turfgrass management, and waste and water management.

Tilly adds, "Colmworth Golf Club not only exemplifies sporting prowess but also serves as a testament to the power of conscientious stewardship in preserving our planet's natural beauty. We are passionate about protecting our planet and the awards show that you don't have to be a huge golf course with a big budget to make the right decisions for the environment. From installing solar and utilising renewable energy to implementing organic turf care, recycling and re-purposing wherever possible, and supporting local - there is so much we can do, and there is so much more we want to do! I would like to collaborate with like-minded businesses to host corporate days where they can invite their customers to a venue and play on a golf course that showcases that sustainability and the environment matter."

Colmworth Golf Club focuses on revolutionising the golfing experience with its sustainable ethos. Through organic turf care and water conservation, they've garnered acclaim and their approach not only enhances the game but underscores the vital role golf courses can play in environmental preservation.

[www.originamenity.com](http://www.originamenity.com)





# THE FINEST QUALITY HORTICULTURAL PRODUCTS

**F**lower bulbs are one of nature's wonders, they are versatile, easy to grow, extremely popular, good for the environment and are a cost-effective way of adding interest to otherwise under used spaces.

The key is to select the right flower bulbs for the right place and project you have in mind.

Wildflower bulbs are perfect for creating safe havens for pollinating bees, butterflies, moths, and other endangered insects, whether regenerating areas in towns and villages, in woodland settings or small areas set aside for a preservation site, native varieties such as *Anemone nemerosa* (Wood Anemone), *Allium urinum* (Wild Garlic), *Galanthus nivalis* (Single snowdrop) and *Hyacinthoides non scripta* (English Bluebell) and *Narcissus psuedonarcissus* thrive in these environments.

While Naturalising Flower bulbs are the simple way to create drifts of intense colour for grassland areas, town and village approaches, roundabouts, verges, golf course and woodland walkways, the sight of daffodils swaying in the breeze is a sight to behold with many councils, landscapers and trusts opting to plant flower bulbs to attract visitors, generate land into areas of interest and for the well being of residents. The benefit of planting daffodils is that they can naturalise freely and will continue to flower for up to 30 years.

When considering planting flower bulbs in grass land or lawns you should plan carefully around any



*Wildflower bulbs are perfect for creating safe havens for pollinating bees, butterflies, moths, and other endangered insects.*

grass cutting programmes you have in place, select varieties that flower in the late winter and early spring periods, this will allow time for the foliage to die back after flowering before cutting starts, this is essential to develop the bulbs for future seasons to come. Crocus, snowdrops, and Wild daffodils are perfect for these situations.

For areas of general interest for impact planting in spring beds, perennial borders, around shrubs, parks, and open spaces the options are wide and varied most flower bulbs will perform in these areas, alliums, hyacinths, narcissus, and tulips are ideal for creating vibrant displays, and companion planting in beds or under planting in containers will extend the period



of interest from late winter into early summer.

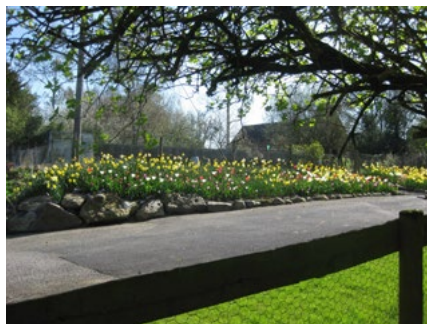
**Boston bulbs wholesale offers a full quote service for large and specialist projects and a comprehensive list of varieties are also available to view on our website :**

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# Grow Pitch-Perfect Turf with a Tonivit & Double Edge Combo

If you want top turf this year, a combined programme of TONIVIT and DOUBLE EDGE will give you both the establishment and the recovery you need for resilient grass throughout the season.

## Kickstarting growth with TONIVIT

TONIVIT is a great activator of root growth and root activity. It speeds up establishment of grass and boosts tillering by activating the plant's nutritional pathway to increase nutrient uptake from the soil.

A natural biostimulant, TONIVIT contains the active ingredient GoActiv, extracted from the seaweed *Ascophyllum nodosum*, along with added phosphorus (P 5.7%) and potassium (K 4.2%) further support root development. It's also OF&G Organic Certified.

### How to use

Apply as little as 1 L/ha from emergence, every 10-14 days.

## Boost your recovery with DOUBLE EDGE

DOUBLE EDGE is another natural growth stimulant, and



like TONIVIT, it contains the active ingredient GoActiv, with added P (0.8%) and K (1%) but also combines that with nitrogen (2%) and a complex of 18 vegetable amino acids.

This unique formula boosts protein synthesis and aids in stress

recovery. By giving your turf access to ready-built amino acids, your grass can build protein and recover quickly. By improving nutrient and water uptake from the soil, and encouraging both protein production and photosynthesis, Double Edge helps your turf overcome the stress of the season, toughening up and ensuring it looks its best.

### How to use

Apply 1L/ha from the start of spring and then every 10-14 days.

## The perfect combination

Both TONIVIT and DOUBLE EDGE are tank mixable with a wide range of fungicides, insecticides, plant growth regulators, and fertilisers. Tank mixing with herbicides is not recommended."

[www.upl-ltd.com/uk](http://www.upl-ltd.com/uk)

# DOUBLE EDGE®

POWERED BY GOACTIV TECHNOLOGY  
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Use plant protection products safely. Always read the label and product information before use.  
 Pay attention to risk indications and follow the safety precautions on the label. All names are trademarks of UPL. © UPL Europe Ltd 2024.







# Wembley Stadium Wins Sustainability Category at The Stadium Business Awards

**W**embley Stadium connected by EE was recognised by a panel of industry experts at last night's Stadium Business Awards, winning the Sustainability & Community category for its recyclable pitch initiative.

The award spotlights the stadium's commitment to becoming a greener venue.

Earlier this year the stadium's grounds team revealed it had developed a unique new process to make its famous pitch 100% recyclable.

It is believed to be a first in the world of football and the result of a meticulous two-year plan to find a suitable solution to recycling modern-day sports pitches, which are a hybrid of grass and synthetic plastic.

The plastic means pitches do not break down naturally, and the majority of old pitches are sent to waste landfill sites at the end of their life-cycle.

The team at Wembley Stadium came up with a process which allows the plastic to be extracted from the pitch and repurposed. In the first of its kind, they created a bench, made entirely out of plastic from a pitch that saw the likes of

Harry Kane, Bukayo Saka, Lauren James and Mary Earps all perform on.

Karl Standley Grounds Manager at Wembley Stadium said: "We're incredibly proud to have won The Stadium Business Award for Sustainability and Community and be recognised for the team's incredible efforts.

"By ensuring old pitches don't go to landfill we have created a cycle that will ultimately reduce our impact on the environment and give something back to local grassroots football along the way."

**For more information about the pitch process [click here.](#)**



# GroundTech specialises in Technology to Transform, focusing on robotic grounds maintenance solutions

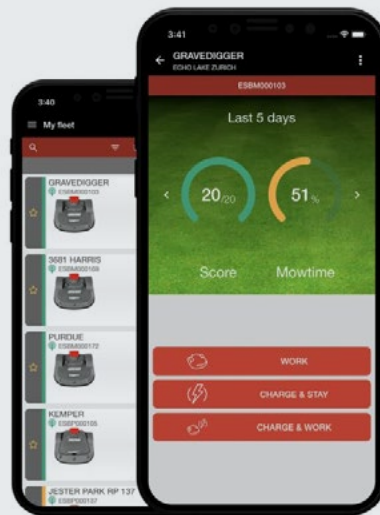
**F**amily operated and owned, GroundTech blend our business expertise with our personal values to ensure we offer professional, hands-on support to every client we partner with.

Mowing grass manually can be a time-consuming and exhausting job in the world of grounds maintenance. With a robotic mower, this work is completed for you with an autonomous, GPS controlled system. The device is app-controlled, allowing you to check on cutting progress and set a schedule for mowing. The mowers are durable and work across a variety of terrains.

Robotic mowers can be used across sports pitches, golf courses, airfields and schools. They are especially popular with site managers and head groundskeepers to make maintenance more efficient. A large benefit being that they can mow on softer ground than heavy machinery, minimising weather interruptions. The mowers are designed with capacities of up to 75,000m<sup>2</sup> of grass being cut up to 4x per week.

The robotic mowers can cut and maintain grass to different heights without manual adjustment, making for efficient switchover between different types of pitches. With powerful blades, robotic mowers deliver optimum precision. The mower is also designed with healthy grass in mind, recycling cuttings back into the soil.

They are quiet with less noise pollution, meaning no disruptions to work or studying. Robotic mowers are also eco-friendly, emitting 90% less carbon than diesel and petrol mowers.



## Portal

Live updates  
Detailed activity history  
Notifications and alarms  
Status of robot  
Monitoring battery levels  
Set and change cutting schedule and height

## Case Study - Cranham Golf Course

Location: Upminster, Essex  
Customer requirements: A solution capable of managing the maintenance of all 18 fairways while upholding the

quality and standard of finish.  
Solution: 3x robotic mowers, one covering 8 fairways, another covering 5 fairways and rough, the final one covering 4 fairways and rough.  
Method: Working with the client, we were able to produce schematics using Google Earth with area sizes that needed covering, with that we were able to recommend the most efficient model of mowers to breakdown the tasks.

## Facts

- Leasing options available
- Save 50% of time and money with a robotic mower
- Obstacle detection
- Optimise labour
- Grass quality improvement
- Low noise pollution
- Natural fertilisation
- Reduction in CO<sup>2</sup> emissions
- Remote controlled by app and anti-theft solution and geofencing alert build in

01366 500828  
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# Revolutionise your business with our robotic solutions



**Time Saving**



**Professional Support**



**All Weather**



**Maintenance Service**



**Quality Cut**



**Trial Available**



**Quiet**



**App Managed**



**Sustainable**



# Campey Turf Care Systems named new distributor for Foamstream

W

eedingtech are pleased to announce the appointment of Campey Turf Care Systems as a new

nationwide distributor for their industry-leading herbicide-free weed control system Foamstream. This partnership promises to extend the benefits of the 100% organic solution to more commercial companies and contractors working in green space management.

Campey Turf Care Systems are one of the country's leading suppliers of equipment for the professional turf sector - trusted by facility managers across the sporting and amenity spectrum. Commenting on their appointment, Lee Morgado, Sales Director for Campey Turf Care Systems said, "Campey Turf Care focuses on natural solutions to turf maintenance, always looking to promote best practice in a considered, environmentally friendly way. That makes Foamstream a very good fit for us. It offers an innovative, eco-friendly solution to the age-old problem of tackling weeds on paved areas - an issue which affects all sporting venues, including private and public spaces which have car parks and pedestrian walkways for club members and the general public. Campey is delighted to be able to offer a totally new approach with Foamstream."

Weedingtech's Chief Commercial Officer Thomas Hamilton added, "We are delighted to have Campey Turf Care Systems on board. They are renowned for providing



**Campey**  
TURF CARE SYSTEMS  
QUALITY GROUND CARE EQUIPMENT

quality turf management solutions and have built long-lasting and trusting relationships with a number of venues, including Chelsea FC, who have already adopted Foamstream along with a number of other topflight teams across Europe. With Campey's enthusiasm and expert team, we know Foamstream is in safe hands."

Foamstream was launched in 2011 when developers Weedingtech saw the potential for a cleaner, greener alternative to traditional forms of weed control. Since its introduction, the controversy around ingredients such as glyphosate has continued to grow, with customers from all corners of grounds and green space management looking

for a 'natural' solution and discovering the many benefits of Foamstream.

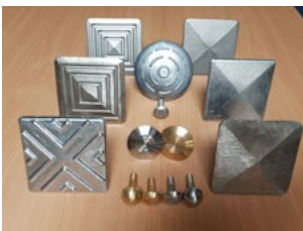
Combining hot water with a foam made from plant oils and sugars, Foamstream is proven to provide effective control on a wide range of weed species, with the contained heat penetrating the waxy outer layer of the leaf and travelling down the stem to the roots, killing or severely damaging the plant. In addition to eradicating the weed, Foamstream also sterilises surrounding seeds and spores that haven't yet germinated, helping to reduce future weed growth and the number of treatments required.

**For more information visit**  
[www.weedingtech.com](http://www.weedingtech.com)





Site safety studs and bars



All your sports equipment and line marking needs, along with general greenkeeping tools, groundsman's equipment and road studs in one shop. Sports installation, sports maintenance works along with sports and car park markings available in some areas.



# GROUNDSKEEPING

## JOURNAL



*The UK's latest bi-monthly publication providing latest product innovations, industry news and opinions from key professionals within the industry.*

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