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WHY THREE U.S. SUPERINTENDENTS ARE STUDYING FOR MASTER GREENKEEPER...

Maureen Keepin reports

Contenders from across the pond are due to start their studies towards Master Greenkeeper status. So what is the great appeal of this BIGGA qualification in helping them to manage courses Stateside?

Following visits to Harrogate Week (BTME) and high profile golf courses in the UK, as part of the GCSAA delegation sponsored by Bernhard and Company, superintendents from the United States are keen to 'up' their professional standing by becoming Master Greenkeepers.

Stephen Cohoon

A certified golf course superintendent in the US for 28 years Stephen Cohoon has spent the last nine years at Heritage Hunt Golf and Country Club in Gainesville, Virginia. A traditional 18-hole course, designed by Arthur Hills and built in 1999, the club currently has 350 members. In season 18 staff are employed to tend the 107 acres course with this reducing to 10 off-season.

Why become a Master Greenkeeper?

Stephen said: "The ability to grow your education forward is great as you do not want to stand still in this business because everyone will pass you by.

"I see Master Greenkeeper as a great way to develop professionally and learn some new management practices.

"This qualification is recognised worldwide and several people in the States have accomplished it and inspired me."

Visiting the UK gave Stephen the 'extra boost' to take up the challenge, "This is the optimum in greenkeeping and what everyone should be inspired to achieve."

Course aims

Speaking of his role at the club Stephen feels there have been massive benefits in the fact that he was involved in the original development of the course and given a free rein at that time.

His declared aim is to create and maintain the best facility he can by continually developing and improving areas.

One of his main focuses of attention relates to the selection of grass seed cultivars and he said: "Some of the newer creeping bent cultivar characteristics are particularly outstanding.

"We selected L-93 bentgrass for all of the greens, tees, and fairways because of its ability to withstand the cold winters and for its resilience in recovering from the hot humid summers."

There are extended periods in the summer

when the temperature is around 33 to 37°C with 80 to 90 percent humidity. In contrast winter temperatures dip as low as -12 to -15°C.

Irrigation is a key consideration in this area of the States. Summer months can often experience severe droughts, as recorded in 2007 when rainfall was 20 inches below the norm.

Stephen explained: "We are really in a difficult position in that it is too hot for cool season grasses and too cool for warm season ones.

"Water is therefore the vital key to keeping the grass in good shape."

Most of the irrigation water comes from storm water run-off. There is a system of six ponds which collect water – where it is either stored or gravity fed by a system of creeks and pipes to the irrigation pond. This system is supplemented by five wells, which are utilised during periods of extended drought.

One of the club's next aims is to create 11 acres of wetlands to encourage all bird and animal species and a wetland committee has already been appointed.

He said: "We are planting native grasses and perennial flowers as well as creating buffer areas around the golf course and storm water management ponds."

Challenging issues

"Many environmental measures have been taken over the years but it is vital we now communicate this message to members and players who are seriously concerned about these issues," said Cohoon. Augusta National has a dramatic effect on US perceptions and as a result the expectations of his membership are high.

"Everyone admires Augusta course conditions on TV but few realise it is not that easy to achieve. All Augusta's management is built around and focused on that one week of championship golf and this is the very top of the game."

Sean Sullivan

Putting the Master Greenkeeper process into action this year, Sean Sullivan is the certified golf course superintendent at The Briarwood in Billings, Montana, an area which has very little rainfall.

Covering 350 acres, the 18-hole privately owned club was built in 1982 and has 300 members. Designed by Bradford Benz and J. Michael Poellot staffing levels change with the seasons and school schedules.

In March to October there are six to 13 employees and from November to February three employees.

Why Master Greenkeeper?

Sean explains why he is keen to study: "I am sure master greenkeeper will help me to be a better manager. With nine out of 10 golfers saying the condition of the course is their top priority it has to be mine too. And I feel studying for this qualification will help significantly in ensuring I create the best possible standards."

Course aims

With two distinct designs, the front nine holes of the course are described as parkland with cottonwood trees following a creek running through the course. The back nine changes elevation dramatically through a series of hills and ridges, with a 350ft difference in the elevation at the lowest point on the front nine and the high spot of the back nine.

Currently using a 1960 vintage bedknife grinder from the Bernhard stable he added: "This area of the US is more unusual in that not every golf course owns a grinder, but you need to if you want the course to look its very best."

A key feature of his course is 54 black bunkers filled with coal slag, a by-product of burning lignite coal for power generation. "Samples of the material have been left in the UK with Stuart Yarwood, head greenkeeper at Lymm Golf Club."

The colour contrast between green grass and the black slag, in Sullivan's opinion is better than that of the white or neutral coloured sands.

Benefits include greater density, which prevents it blowing out of the bunkers even in winds of 50 to 60mph. Sean also cites reduced labour costs: "Because of its angular shape and black colour, weeds do not seem to grow in the bunkers and grass does not encroach into the edges. And minimal maintenance is required to return the coal slag back into the bunkers after being splashed out from wedge shots."

Billings is in the flood plain of the Yellowstone River and with rain and snow there is around 14 inches of moisture a year. This area is classed as semi-arid desert with very low humidity and water is essential to prevent areas turning into dirt.

Sourced from the Yellowstone River water is pumped along a 2.5-mile pipeline to the golf course, where it is stored in a 60 million gallon irrigation lake.

Challenging issues

Sean cites establishing seed or sod on alkaline soils and finding enough employees to maintain the course during the growing season as some of the issues.

A major challenge at Briarwood is getting



US greenkeepers visiting BTME with Bernhard's Managing Director, Stephen Bernhard and BIGGA Past Chairman Billy McMillan

enough water to the golf course on a daily basis. More than one million gallons of water are used every night during the hot months – the temperature throughout the month of July averaging 96°F in 2007.

Water usage has been reduced by 30 per cent from 2006 to 2007 but still the club used 100 million gallons of water.

“We are installing a new pump station and looking at different types of grasses to help reduce this further,” said Sean.

“The most important issue in the world of golf today is conserving and using water wisely.”

Rafael Barajas

Situated just outside Los Angeles the Hacienda Golf Club was designed by Willie Watson in 1920. Hacienda is an old style golf course stretching at close to 7,000 yards from the back tees. Situated in a canyon in the city of La Habra Heights the course was designed using the natural terrain and is owned by its 400 membership. Here Barajas is certified golf course superintendent of the 18-hole course, which covers 187 acres, 100 of which are maintained.

Throughout the years many trees have been planted, making the course narrow and creating a lot of shaded areas that are challenging to maintain.

Hacienda has a team of 28 staff members to maintain the course, consistent with the expectations of the membership.

This includes Barajas, one assistant superintendent, a foreman, two mechanics for the upkeep of the maintenance fleet, one irrigation specialist, a spray technician, together with the remaining staff who perform various tasks.

Why Master Greenkeeper?

Always welcoming new challenges Rafael Barajas is looking forward to his studies for the BIGGA qualification of master greenkeeper: “Meeting the requirements of the master greenkeeper programme may be challenging but I hope it will motivate others to follow. This can only serve to make the industry stronger.”

A key motivation in greenkeeping for Rafael is mentoring young professionals and he feels this qualification will make a dramatic difference and assist him in this role. “I really want to encourage them to be better communicators within the golf community.”

Course aims

Now in his 13th year at the club he is aiming to bring the golf course up to the next level by creating even greater consistency and raising the threshold for standards.

“Our aim is to provide the right product and improve facilities. We are mowing to get a good consistency across the fairways, greens and tees and I am looking into a new sharpening system to improve course presentation further.”

In 2005 the golf course went through an extensive renovation project of all the greens, bunkers and some tees to lengthen the golf course yardage to keep up with golf equipment technology.

In the near future the club will undertake the re-grassing of all fairways and some irrigation updates.

Currently Hacienda is irrigated by a Toro Site Pro network 8000 computerised system. The water source is city or potable water with excellent pressure and is delivered to the golf course, so there is no need to store the water or have pumping stations.

Challenging issues

Rafael says his members have high expectations, as many of them are low handicap golfers.

Grasses are currently under the microscope. A bent A4 is sused on the greens, hybrid Bermuda 419 on the tees and the rough is a combination of cool season and warm season grasses. Fairways are common Bermuda and these will be overseeded in the fall of 2008 with perennial ryegrass.

“We are also looking at fescues to maintain very natural areas. Ones that require little or no maintenance because of the type of grass cultivars they are.

“Members here are very happy with change as long as we are doing things for the right reasons, either to conserve water or create a natural habitat for wildlife. Schemes that will help to protect the environment,” said Rafael.



Rafael Barajas at Royal Birkdale



STUDENT OF THE YEAR 2008 PREVIEW

FEATURE

Now in its 20th year, this competition, organised in conjunction with Toro, has grown and grown in popularity with the appeal of being named 'Toro Student of the Year' high on many BIGGA members agendas. Melissa Jones takes a look at this year's lucky finalists...

Travelling the width and breadth of the country this spring was Sami Collins, Head of Learning & Development at BIGGA HQ, in search of this year's eight national contenders. Joined by BIGGA members Ian McLeod, Tony Smith and Les Howkins MG, as well as George McDonald, Trevor Chard and

John Pike from Toro, Sami and the rest of the judges, after many interviews, much discussion and copious cups of coffee, decided on the eight finalists to come to BIGGA HOUSE on Monday, September 15 for the grand final.

"The calibre of the candidates selected to go forward for the National Final is extremely high. Selecting the eight finalists was quite a task, but I am confident that they will make this, the 20th Anniversary of the Award, one of the most competitive and exciting finals to date." said Sami.

Let's take a look at the national contenders...

Name: James Canham
Age: 22
Club: Golf Club Gstaad, Switzerland



James is a blast from the past (as far this competition goes), 2004 saw him claim runner-up position at the age of 18, while working as an Assistant Greenkeeper at Weston Park GC.

Not satisfied with taking the silver medal, James, now 22, is back in the running for pole position.

"After two years at Weston Park I was offered the chance of a lifetime, to leave the UK to work as a greenkeeper at Gstaad Golf Club, a Swiss alpine course. I knew very little about Switzerland or the Alps but I had enough confidence in my ability to take the step into the unknown. I spent my first season at Gstaad GC as an Assistant learning their greenkeeping methods and local culture. I was able to make an impact on the course during this time and was promoted to Deputy Head the following season," said James.

Name: Paul Carella
Age: 20
Club: Bothwell Castle GC, Uddingston



Paul, who is currently working towards his NVQ Level 3, has worked at Bothwell Castle for four years now, taking on the role of Assistant Greenkeeper.

"As far back as I can remember all I have wanted to be is a greenkeeper," said Paul.

"Prior to working at Bothwell Castle GC, I studied at Elmwood College in Cupar, Fife, where I achieved my SVQ2, PA1 and PA6 certificates."

Paul has continued his studies while in his current post by attending GOSTA Training, where he has achieved three more certificates in SVQ3, PA2 and Introduction to Golf Course Design.

"I aspire to do the best I can in all aspects of my life and I eventually want to become a Course Manager of a Championship golf course," expressed Paul.

Name: George Pendrich
Age: 46
Club: Scotsraig GC, Taypoe



George recently returned to education full time in order to complete his HND in Golf Course Management.

With his full time education complete, he now spends much of his time on two Open qualifying courses, working at Scotsraig and playing at Downfield, where he has just been appointed Course Manager.

George, who won the Toro award for Best HN Golf Course Management Student at Elmwood College in 2005, was fortunate enough to be part of the BIGGA Open Support Team last year, helping out at Carnoustie.

Name: Mathew Wormald
Age: 24
Club: The Luffenham Heath GC, Lincolnshire



"I have had an interest in golf from an early age and discovered greenkeeping after spending a year in London working as an Estate Agent - I haven't looked back since.

"In my short time in greenkeeping I have attended The Belfry as a volunteer for the British Masters and I have also attended various seminars on aspects of greenkeeping," said Mathew, an Assistant Greenkeeper at The Luffenham Heath Golf Club.

Currently completing his NVQ Level 2, Mathew's ambition is to become Head Greenkeeper of a Championship course.

Name: David Jowes
Age: 43
Club: Tadmarton Heath GC, Wigginton



After spending 20 years in the motorsport industry as a welder fabricator, working for various race teams and running a workshop with 26 staff under his control, David made the brave decision to take a leap into greenkeeping.

"Becoming a greenkeeper was something that always interested me through playing golf, but was not financially viable till later in life. After making enquiries regarding a career in greenkeeping I obtained PA1 and PA6 at Morton Morrell College at my own expense, this was completed during my spare time to gain experience prior to applying for employment," said David.

David, who currently works as an Assistant Greenkeeper at Tadmarton Heath GC, was effectively headhunted by his now boss, Head Greenkeeper, Brian Owen.

"During my short time as a greenkeeper I feel I have gained considerable knowledge within this field of work. With my enthusiasm and determination I know I will go on to expand my knowledge of both theoretical and practical aspects of greenkeeping thus achieving my life long ambitions," said David.

Name: Graeme Roberts
Age: 20
Club: Hankley Common GC, Farnham



"I have been fortunate to live on golf courses all my life, and with my father being a Course Manager, I was always exposed to the world of greenkeeping. As a teenager, during school holidays I would work on the course. At first it was just basic jobs like divotting and raking bunkers, I then progressed to some of the cutting practices and other jobs," said Graeme, who currently works as an Assistant Greenkeeper at Hankley.

Graeme recently completed his NVQ Level 2 Sports Turf qualification at Merrist Wood and was accepted onto the Ohio Programme for trainee greenkeepers at the Pinehurst Resort in North Carolina.

"In all aspects of course maintenance I like to think I show great pride in the job I do, ensuring it is done to the highest standard and to the best of my ability, benefiting the golfers playing the course and allowing all the potential the course has to show," expressed Graeme, who joined the support team for the BMW Championship at Wentworth last year.

Name: Barrie Lewis
Age: 20
Club: Ratho Park GC, Edinburgh



Barrie is another student that's gone back to the future. In 2006, at the age of 18, Barrie made it to the grand final of Toro Student of the Year at BIGGA HQ, but sadly went away empty handed when Mike Emptage claimed the title - could this be his year for victory?

Barrie, who is currently studying for his N/SVQ Level 3, won Lantra Land Based Learner of the Year in 2006 and also achieved Student of the Year status for Level 2 Greenkeeping at Oatridge College.

"In the future I hope to gain further qualifications such as a HNC/HND. I would also like to experience the Ohio State project in America, or something similar in Australia. Ultimately I want to become Course Manager of a prestigious golf course, either at home or abroad," said Barrie, who was part of the support team at the Scottish Open at Loch Lomond in 2006.

Name: Greg Wellings
Age: 26
Club: Stockport GC, Cheshire



Greg, who is currently working towards his NVQ Level 3 at Reaseheath College, presently takes on the role of Assistant Greenkeeper at Stockport Golf Club.

"I feel extremely honoured to be nominated by Reaseheath College for this year's Toro Student of the Year competition. My tutor afforded me all the support I needed to complete my course via distance learning. It has been very productive to gain practical experience on the golf course to go with the theory I have been studying. This is a method of development I am comfortable with and will utilise as I continue to learn," said Greg.

"I am 26 years old and I want to be a Head Greenkeeper at a world renowned golf course. I realise this is a bold ambition but I am a determined and focused individual and I want to forge a successful career in the golfing industry."

You've heard from all eight National Contenders but who will excel in the Grand Final and win Toro Student of the Year 2008?

Entailing a further interview and the completion of a survey of Aldwark Manor Golf Course (evaluating nine of the holes), the grand final is sure to provide some tough competition.

Up for grabs is an amazing prize involving an eight-week trip to the USA, where, for six weeks, the University of Massachusetts will be home, as the lucky winner completes a residential Turf Management Course. Also included in the trip is a visit to the Toro Headquarters in Minneapolis and to the GCSAA Golf Industry Show next February.



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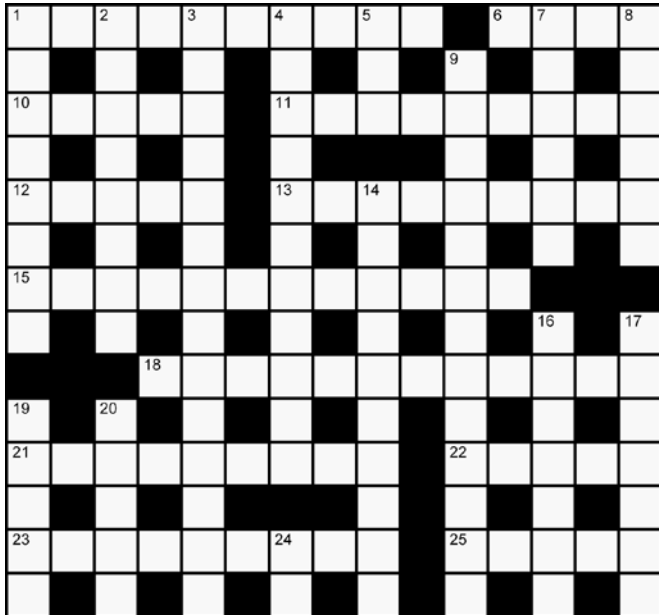
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In the Shed

Greenkeeper International brings you 'In the Shed', a puzzle page to keep you entertained when the weather forces you in or for when times are slow.

CROSSWORD



Across

- 1 Arctic birds with feathered feet and white winter plumage (10)
- 6 Pertaining to the ear (4)
- 10 Further, additional (5)
- 11 Adherence to conventional belief (9)
- 12 Gate to a Shinto shrine (5)
- 13 Prefabricated building designed for use during World War I (6,3)
- 15 English entertainer who sang about his "Little Stick of Blackpool Rock" (6,6)
- 18 Traditional term for caning, an erstwhile school punishment (3,2,3,4)
- 21 Direction usually based on the position of the star Polaris (4,5)
- 22 Official language of Cambodia (5)
- 23 Point on the earth's surface directly above an earthquake (9)
- 25 First Greek letter (5)
- 26 Area of London with Mayfair to the west and Covent Garden to the east (4)
- 27 In Greek mythology, the Titan who stole fire from Zeus (10)

Down

- 1 High standing (8)
- 2 Placed before or in front of (8)
- 3 Margaret Thatcher's description of certain "permanently aggrieved" North Easterners (7,7)
- 4 Position of potential within a new business venture (6,5)
- 5 Bolt counterpart (3)
- 7 Award given as a token of victory (6)
- 8 Another name for the prairie wolf (6)
- 9 Early meeting of influential businesspeople (5,9)
- 14 Hastily gathered squad (7,4)
- 16 American tree - anagram of REED PALM (3,5)

QUICK NINE-HOLE QUIZ

1. In which city is Anfield football stadium?
2. Zola Budd was blamed for the fall of which runner during the 1984 Olympics 3,000 metres race?
3. In rugby league, how many players make up a team?
4. Which club did Paul Gascoigne join from Tottenham?
5. Who quit as England football boss in October 2000?
6. How many players are there on a rugby union team?
7. In which sport has Rachel Heyhoe Flint achieved worldwide fame?
8. 'Do I not like that' is a phrase associated with which England manager?
9. In sport, from which city does the American Football team the Vikings come from?

MONSTER SUDOKU

Fill in the grid so that every row, every column and every 3x4 box contains the numbers 1 to 9 and the letters A,B and C.

B						4	5	6	1	
8		1				9			7	
	A			C	1					3
5								C	7	
			7			3	6	2		
			9		C	A		3		6
2			A		8	5		1		
			6	2	4			A		
	B	8								2
	7					C	2			8
		9			3				A	B
	3	A	4	8						1

SUDOKU

Fill in the grid so that every row, every column and every 9 box shape contains the numbers 1 to 9.

					8			7
9		7			6			5
					3	5		2
7		9						2
			6				9	
5							4	8
	9		8	4				
8			2				5	6
1			6					

The Bigga Training & Development Manual, sponsored by John Deere, is an invaluable tool for everyone working within the greenkeeping industry.



The BIGGA Training & Development Manual

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This online manual provides users with the information they need on recruitment, induction, training and career progression using video clips, written information, downloadable documents and useful web links.

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3. Enter your login details and select the BIGGA Training & Development Manual from the left hand menu.
4. The Training Manual will load and the user can click on Enter the Site to view a welcome video or can select 1-9 or 10-18 on the top menu bar.
5. You can progress through the manual hole by hole or go straight to the hole you wish to view. You can also skip to holes 10-18.
6. When you select a hole you will be presented with a window that explains what that hole is about. You can then select from the bottom tabs, video or sub-text (downloadable documents and links).
7. When clicking on a downloadable document it will automatically open in your default word processor. This can then be amended, updated and saved to your computer's hard disk or printed and filed in your personnel files.



Saltex New Products

LOW-DECIBEL BLOWERS

The all new low-decibel series of tractor mounted leaf and debris blowers from AgriMetal will be launched at Saltex.

The new range of blowers features a dynamically balanced aluminium impeller which provides superior airflow while requiring less energy to drive it. Its lightweight also reduces drive belt loadings reducing parts replacement and maintenance.

i www.agrimetal.com

DFENCE HELPS REDUCE DISEASE PRESSURE

Valagro has introduced DFence a liquid bio-stimulant which boosts the turf's natural defence mechanisms.

First year field experience - in renowned disease hot-spots of SW England - suggests that the product significantly reduces disease levels on greens.

The company say DFence works by neutralising toxins produced by pathogen attack; with the added potassium and phosphorous further strengthening cell barriers.

DFence is available through Countrywide this season. The best approach is to use it in advance of periods of high disease pressure, such as in the autumn, maintaining applications to build the plant's systemic acquired resistance.

i www.nutrecology.com

NEW FUNGICIDE

Rigby Taylor has launched a new fungicide product, Masalon.

Based on the active ingredient myclobutanil, Masalon was developed to help greenkeepers and groundsman who are faced with turf damage, caused by Fusarium Patch (*Microdochium nivale*). Rigby Taylor claim the product has excellent systemic properties, moving into the leaf within one hour of spraying, where it prevents disease establishment. Its preventative action offers excellent levels of turfgrass safety, especially to annual meadow-grass (*Poa annua*), which is particularly susceptible to Fusarium Patch.

i Freephone: 0800 424919

DEALING WITH MOSS

Avoncrop Amenity have launched two new products to help deal with moss, firstly a Hard Surface Moss Remover and Cleaner specially developed for use on concrete, paving and artificial surfaces to remove moss, algae and slime build-ups.

Secondly a liquid iron formulation developed for use in autumn and early spring on turf that has been infested with moss, the unique formulation will deter moss and harden turf during colder periods.

i 01344 426600

LOW COST HIGH-TIP RIDE-ON ROTARY

To help end users combat rising high prices when buying new outdoor power equipment and machinery, Etesia is launching an 'economy' high-tip ride-on rotary at this year's Saltex show.

This cost effective Hydro 124DH is powered by a well-proven 25hp Lombardini diesel engine and features high-tip emptying at a value-for-money list price - thus enabling commercial operators to achieve high output, faster working and, most importantly, greater profitability. Operated from the driving seat, emptying of the 600litre grass collector is at any height from ground level up to 1.8m to give good clearance over a truck or trailer.

i www.etesia.co.uk



VACUUM SWEEPER

Trilo (UK) Ltd will be releasing the new SG670, vacuum sweeper at this year's Saltex. It has a 250mm hose and 2 metre brush head with huge suction power and is built to the same high quality and with many of the features that come to be expected from a Trilo.

i 01638 720123
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REMOTE TREATS THE PARTS THAT OTHERS CANNOT REACH

Terrain Aeration have launched the new Remote Terralift machine, the lightest, smallest most manoeuvrable member of the Airforce fleet to date.

Built to fulfil a demand, the new Remote Terralift has been designed for back gardens, trees, shrub beds, golf courses, parks, sports grounds, retail sites or anywhere with compaction and drainage problems in a tight spot.

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or visit: www.terrainaeration.co.uk



DIVOT BAG

The Divot Bag is a recently launched new product.

The number of divots has soared, caused by advances in club technology and people using the wrong kind of shots. Greenkeepers the world over accept that repairing divots is a time consuming but crucial part of keeping a course in top-class condition. Often divot-filling teams struggle to keep up.

It's estimated that every time a player takes a chunk out of the turf on the fairway, it costs 5p to repair.

The Divot Bag is a simple solution to help keep fairways in top class condition and clubs across the world are realising the benefits. The divot Bag is provided by the club and sand buckets are placed at the first tee. Players fill their divot bag with a mix of sand and seed with the view to fill divots as they play.

The divot Bag comes in a range of colours and can be personalised with the club logo printed on the front.



NEW CHIPPER

Echo Bear Cat has launched the latest addition to their range of professional chippers. This is the largest Chipper available from ECHO Bear Cat, capable of reducing wood up to a diameter of 12" (30.5cm) to fine chips using four, 23cm long, reversible, heat-treated steel chipper blades.

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NEW ACCESSORIES INCREASE MOWER VERSATILITY

Rustons Engineering is now offering a range of attachments for the Grasshopper zero-turn mowers it distributes in the UK, including leaf blowers, sweepers, turf edgers and aerators.

The leaf blowers are available for the Grasshopper 700 and 900 series and feature a powerful PTO-driven fan unit that produces almost 4500litres of air a second at up to 240kph, enabling them to clear leaves and other debris easily from paths, golf courses, parks and other amenity areas. The nozzle can be adjusted a full 360° electrically from the seat, allowing the driver to blow autumn leaves off trees and complete leaf-clearing in a single visit.

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SCARIFIERS FOR DOMESTIC AND PROFESSIONAL USE

Two new rugged lawn scarifiers have been introduced by Efco, the Italian based manufacturer of professional and domestic powered landscape and garden equipment.

Constructed on heavy duty tubular frames with steel decks, the machines feature tough, hardened steel spikes and a height adjustment system with a memory that ensures the machine can be set down at the same height when re-positioned.

www.emak.co.uk



NEW SPRAYER COVERS 500 ACRES

Rolawn has taken delivery of a state of the art sprayer that it believes is one of the largest available in Europe.

The Agrifac ZA3400P Sprayer is 48 metres wide when opened, and its 4,000 litre tank enables it to spray 500 acres per day. Key features include an auto-levelling device for the booms, GPS installed for auto shut off of nozzles for minimum overlap, auto steer and quadruple nozzle bodies for 4 different types of jet depending upon water volume and weather conditions.

www.rolawn.co.uk
www.topsoil.co.uk



FIRST IN THE FIELD, NUMBER ONE ON THE GOLF COURSE

Kyoeisha UK is the newest name on UK golf courses and is introducing a comprehensive range of high quality, high performance machines each aimed at a specific area of maintenance for fine turf areas including ride-on rotary mowers, ground management machines, ride-on and pedestrian cylinder mowers, flail mowers and tractor-mounted units.

First off the mark is the Baroness LM319, a flexible four-wheel drive mid-weight triplex cylinder mower with ample power from a Kubota D1105 26hp Diesel 3-cylinder engine to cut large swathes of longer grass and the finesse to produce an approach quality finish.

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