



Rain Bird® Golf in the United Kingdom and Ireland



Golf Course

Irrigation System



MAXI® Nimbus™ Central Control System designed for golf course irrigation

Royal Wimbledon Golf Club,
Surrey, England

Royal St George's Golf Club,
Kent, England

Royal Cinque Ports, Kent,
England

Reading Golf Club, Berkshire,
England

Sunningdale Golf Club, Surrey,
England

St. Enedoc Golf Club, Cornwall,
England

Southport & Ainsdale Golf Club,
Merseyside, England

The London Golf Club, Kent,
England

**The Honourable Company of Endinburgh
Golfers**

Muirfield, Scotland

The Belfry - Brabazon & PGA Course,
West Midlands, England

The Wynyard Golf Club, Cleveland,
England

Weymouth Golf Club, Dorset,
England

Woburn Golf Club - Marquess Course,
Buckinghamshire, England

Yeovil Golf Club, Somerset,
England

**Maxi Nimbus Decoder &
Freedom**

**Maxi Nimbus Decoder &
Freedom**

Maxi Nimbus Decoder

Maxi Nimbus Decoder

Maxi Nimbus Decoder

Maxi Nimbus Decoder

**Maxi Nimbus Decoder &
Freedom**

Maxi V - Satellite SBM

**Maxi Nimbus Decoder &
Freedom**

Maxi Nimbus Decoder

Maxi Nimbus Decoder

Maxi Nimbus Decoder

Maxi Nimbus Decoder

Maxi Nimbus Decoder



Rain Bird Europe S.A.R.L.

535, Rue Georges Claude
B.P. 72000
13792 Aix-en-Provence, Cedex 3
FRANCE
Tél.: (33) 4 42 24 44 61
Fax: (33) 4 42 24 24 72

Rain Bird U.K. Office

Phone: (44) 1273. 891. 326
Fax: (44) 1273. 891. 327

Rain Bird. Conserving More than Water.

®Registered Trademark of Rain Bird
Sprinkler Mfg. Corp.

RBE - 99 - GE - 03

IN ADDITION TO THE ABOVE, APPROXIMATELY 40 RAIN BIRD MASTER 3 COMPUTER CONTROL SYSTEMS ARE IN OPERATION IN THE UK AND IRELAND TODAY.



Rain Bird® Golf in the United Kingdom and Ireland



Golf Course

Irrigation System

Rain Bird Golf's mission is to meet or exceed customers' expectations in the worldwide golf market with a long term commitment to profitably provide and support defect-free, environmentally sound, irrigation management products and practices. Among others, the following courses in the UK and Ireland benefit from the reliability of a Rain Bird Maxi computer based control system and Rain Bird sprinklers :

The Eagle™ rotors are designed specially to withstand the rigors of golf course irrigation applications



Ballybunion Golf Club , Co Kerry, Ireland	Maxi Nimbus Decoder & Freedom
Celtic Manor - The Championship Course , Gwent, Wales	Maxi Nimbus Decoder
Coombe Hill Golf Club , Surrey, England	Maxi Nimbus Decoder
Carden Park - The Championship Course , Cheshire, England	Maxi Nimbus Decoder & Freedom
Enmore Park Golf Club , Somerset, England	Maxi Nimbus Decoder
Fota Island Golf Course , Co. Cork, Ireland	Maxi Nimbus Decoder
Forest of Arden Hotel G & C Club , West Midlands, England	Maxi Nimbus Decoder
Farnham Golf Club , Hampshire, England	Maxi Nimbus Decoder
Glen Eagles - King's & Queen's Course , Tayside, Scotland	Maxi Cirrus Decoder & Freedom
Happy Valley Golf Club , Surrey, England	Maxi Nimbus Decoder
Killarney Golf & Fishing Club , Co. Kerry, Ireland	Maxi Nimbus Decoder
Magnolia Golf Club , Oxfordshire, England	Maxi Nimbus Decoder
Merrist Wood Golf Club , Surrey, England	Maxi Nimbus Decoder
Ring of Kerry Golf and Country Club , Co. Kerry, Ireland	Maxi Nimbus Decoder
Richmond Golf Club , Surrey, England	Maxi Cirrus Decoder & Freedom



President
The Rt Hon.
Viscount Whitelaw
K.T., C.H., M.C., D.I.

BIGGA Board of Management
Chairman - Gordon Child
Vice Chairman - Elliott Small
Past Chairman - Patrick Murphy

Board Members
Richard Barker
George Barr
Robin Greaves
Jim Paton
Ian Holoran

Executive Director
Neil Thomas B.A.

Administration Manager
John Pemberton

Education Officer
Ken Richardson

Sales & Marketing Manager
James McEvoy

Membership Services Officer
Tracey Maddison

Contact us

You can contact The British and International Golf Greenkeepers Association in any number of ways:

Post: BIGGA HOUSE, Aldwark, Alne, York, YO61 1UF

Tel: 01347 833800

Fax: 01347 833801

E-mail: bigga@btinternet.com

Internet: www.bigga.org.uk

Greenkeeper

INTERNATIONAL

The official monthly magazine of the British & International Golf Greenkeepers Association

Editorial

Editor: Scott MacCallum
Tel: 01347 833800 Fax: 01347 833801

Advertising

Sales & Marketing Manager:
James McEvoy

Sales & Marketing Assistants:
Jenny Pantou, Cheryl Broomhead
Tel: 01347 833800 Fax: 01347 833802
E-mail: sales.bigga@btinternet.com

Design

Design & Production Editor: David Emery
Tel: 01347 833800 ISDN: 01347 830020

Printing

Hi-Tec Print, Units 9-10, Houghton Road,
North Anston Trading Estate, North
Anston, Sheffield S25 4JJ
Tel: 01909 568533 Fax: 01909 568206
ISDN: 01909 550561

Greenkeeper International:

Winner of Certificate of Merit in Magazine of the Year category, Editing for Industry Awards 1994 and 1995.

Contents may not be reprinted or otherwise reproduced without written permission. Return postage must accompany all materials submitted if return is requested.

No responsibility can be assumed for unsolicited materials. The right is reserved to edit submissions before publication.

Although every care will be taken, no responsibility is accepted for loss of manuscripts, photographs or artwork.

Opinions expressed are not necessarily those of the Association, and no responsibility is accepted for such content, advertising or product information that may appear.

Circulation is by subscription. Subscription rate: UK £36 per year, Europe and Eire £46. The magazine is also distributed to BIGGA members, golf clubs, local authorities, the turf industry, libraries and central government.

ISSN: 0961-6977

© 1999 British and International Golf Greenkeepers Association

January 1999

Your next issue of Greenkeeper International will be with you by February 14, 1999

Regulars

News

Pages 7, 8, 9, 10

8 Assistant Profile

10 Letters

13 The Learning Experience

Spray Away. Keith McKee 'of Scotts' discusses pesticide usage

17 Money Matters

19 Letters

21 Education

Ken Richardson updates you on education matters within the greenkeeping industry

30 Talking Heads

A new bi-monthly feature which this month looks at Temporary Greens

33-38 Around the Green

55 Sand Green Destruction

Sandy McDivot tears his hair out after a battle with Take All Patch

58 Features Listing

Helping you track down some of Greenkeeper International's previous articles

58 As I see it...

National Chairman, Gordon Child, keeps bumping into the McMillan clan

Reader Reply Card

Use our post-paid reader reply card to obtain further information on the products and services advertised in this issue.

January 1999 Greenkeeper International

Advertiser	Ad Ref	Page
AF Trenchers Ltd	203	42
Amenity Technology	431	60
Barenbrug UK Ltd	172	29
Cargills	566	6
Charterhouse	130	34-35
Cleveland Sitesafe	56	41
Clubcar UK	583	21
Eagle Promotions	549	15
Even Products	609	57
Evergreens UK	526	26
Fineturf Agronomy	584	22
Firbank Recycling	611	42
Flowtronex	610	39
Green-Release™	583	11
Greensward Engineering	312	37
Hepworth Minerals Ltd	514	22
Hi-Chem UK	510	18
Irrigation Scotland	283	20
JD Greasley	461	10
John Deere Ltd	103	45
Lely UK Ltd	61	16-17
Marlwood	501	59
Martin Brothers	12	42
Multi-Core	347	42
North Staffs Irrigation	217	41
Rainbird	443	2-3
Sharpes International	453	32
Textron	9	12
Ultra Plant	473	32
Weed Free	504	39
Whitemoss Amenities	606	37
Wiedenmann UK Ltd	326	39

BTME99 brochure

Advertiser	Ad Ref	Page
Allen Power Equipment	126	2
BLEC Landscape	98	29
British Seed Houses Ltd	87	23
Club Car	583	14
Eric Hunter	73	35
FAF	197	22
Fairfield Turf	18	26
Flowtronex	610	25
Greensward Engineering	312	26
Hepworth Minerals Ltd	514	31
Kawasaki	544	31
Lely	61	36
Major Equipment	419	29
Maxicrop	174	4
Ocmis	360	7
Rhône-Poulenc	59	9
Rigby Taylor	127	10
Tarmac	576	26
Tonick Watering	503	24

Greenkeeper Education and Development Fund

The Fund provides the key to the future for greenkeeper, golf club and game. Individuals and companies can join the Golden Key Circle and Silver Key Circle. For details, please contact BIGGA on 01347 838581



Golden Key Circle Company Members

Amazone Ground Care, Barenbrug, Charterhouse Turf Machinery Ltd, Hayter Ltd, Jacobsen E-Z-Go Textron, John Deere Ltd, Kubota UK Ltd, Levington Horticulture Ltd, Scotts Turf & Amenity, Mommersteeg International, Ocmis Irrigation UK Ltd, PGA European Tour, Rainbird, Ransomes, Rhône-Poulenc Amenity, Rigby Taylor Ltd, Supaturf Products Ltd, The Toro Company

Silver Key Circle Company Members

Avoncrop Amenity Products, Ernest Doe & Sons Ltd, Lambert/Fenchurch UK Group Ltd, Rolawn Ltd, Sisis Equipment Ltd, Weed Free

BTME is almost here!

Check out your education, conference and exhibitor information with your free BTME catalogue!



58 As I see it...

46 Win £50 in our Buyers' Guide quiz



Greenkeeper

INTERNATIONAL

Beware of these pesky bugs

Cran ear Stone: Photo by Brian Morgan 0141 221 0238



Features

- 23 Tiara. Crowning glory**
English Greenkeeper Paul Davies is now working in Colorado at Tiara Rado and keeping out of the way of lizards!
- 27 Where there's a Will...**
Will Sutherland built Lyshott Heath Golf Club and now masterminds its organically based management practices
- 40 Has the worm turned?**
Dr Steve Baker and Daniel Binns, of the STRI, discuss progress on the worm research
- 43 Putting on the Stylo**
Stylo Matchmaker are the latest Golden Key Company and are about to launch BIGGA's new workwear range



43 Putting on the Stylo



23 Tiara. Crowning glory

I can vividly recall an occasion when I thought about the new millennium - although I don't think we called it that then - and worked out that I would be 38 years old when it arrived. To be quite frank I couldn't envisage being that ancient.

Now we are so close to 2K, as the more trendy have chosen to describe the next thousand years, that we are less than 12 months away.

However, rather than getting ready to celebrate a once in a lifetime experience, much of the talk is of the potential doom and despondency which might be caused by a new threat to mankind.

In Biblical times it was plagues of locusts which caused populations to quake but we've got something different - Millennium Bugs. Although no-one has actually seen one of these creatures I suspect they're a little like Gremlins and, like Gremlins, they are threatening to wreak havoc right across the globe. Then, so rumour has it, they are going to leave just as fast as they arrived, certainly before Rentokil has had time to come up with a deterrent.

We have been told to avoid flying as the clock ticks past midnight on the 31st of December; advised to stock up with food; avoid being in lifts at the crucial moment... the list is endless, because quite frankly no-one really knows what to expect.

After all there isn't anyone still around from the time we last entered a new Millennium to ask.

With the smooth running of so many golf clubs now reliant on computers it is important to discover whether you are Millennium Compliant otherwise you might show up in early January, having shaken off a Millennium Dome-sized hangover, just in time to develop another headache when you discover that all your records and feeding programmes for the year ahead have been lost.

Before all that though we have the final BTME of this Millennium and Harrogate is gearing itself up for the influx of greenkeepers and other familiar faces who provide the mix that makes the week such a memorable one for all who attend.

The signs are all good, pre-registrations are up on last year, the workshops and seminar sessions which make up the Learning Experience, in association with Textron, are full or filling up fast and the quality of speaker attracted to Harrogate is setting new standards of excellence.

One in particular to look out for is well known athletic coach, Frank Dick OBE, who is delivering a free-to-attend speech on Wednesday at 11am. Frank is at the top of the tree when it comes to motivational speaking and we are delighted that he has found time in his busy schedule to attend BTME.

I am certainly going to be there and I'm also looking forward to meeting up with many of you during the course of the week. It'll help take my mind off these horrible bugs.

Happy New Year to you all.

Editor:
Scott MacCallum



THE ENERGY DRINK FOR TURF™

**BTME
STAND
G74**

80% more root mass
than competitor
product

9 fold increase in
mycorrhiza levels

Increases of up to
300% in nutrient
absorption



Blade™ is a totally new generation supplement for your turf, based on the advanced technology of carbohydrate nutrition. Developed by one of the world's largest fertiliser companies, this new technology works by supplying the naturally occurring mycorrhiza in the soil with a readily available source of energy. Blade™ is one of the most cost effective and natural ways of optimising the performance of your turf.

Please consult one of our distributors for details or contact Cargill on Freephone 0800 919187.



AD
REF
566

Blade

CSC AMENITY

NOVOKEM

SHEERWATER
LEISURE

WILLMOT
PERTWEE



Greenkeeper

INTERNATIONAL

More than just a magazine – let Greenkeeper International help you find the right products or services for your golf course – for free! When you see an advertisement which interests you, simply make a note of the Ad Ref number in the panel below, send the card back to us, and we'll pass on your enquiry and more details will be rushed straight to you. It's as easy as that and what's more, it won't even cost you a penny!

--	--	--	--	--	--	--	--	--	--	--

Name

Position

Company/Course

Address

Postcode

Work Tel:

Because we deal with the issues which affect you, you can't afford to miss a single copy of the award-winning Greenkeeper International magazine. Subscription rates are; £36 for 12 issues (Europe £46). All you have to do is tick this box then complete your details above, and post this card back to us. We'll then add your name to our ever-increasing list of satisfied readers.

An invoice will be sent in due course.

See us on the internet: <http://www.bigga.org.uk>

Gi. 1.99

British and International Golf Greenkeepers Association

MEMBERSHIP REQUEST CARD

If you are employed as a greenkeeper, at college studying greenkeeping, or involved in any way with the fine turf industry, then BIGGA membership could benefit you. To find out more about membership, fill in this card and send it to us today.

Yes, I'm interested in joining BIGGA. Please send me details of:

- Greenkeeper Membership
- Associate/Company Membership
- Student Membership



Name

Mailing address

Postcode

Work Tel:

Golf Club/Company/College

Position at Club/Company/College

Gi. 1.99

BUSINESS REPLY SERVICE
Licence No. YO 331

2



Membership
BIGGA HOUSE
Aldwark
Alne
York
YO61 1UF

BUSINESS REPLY SERVICE
Licence No. YO 331

2



Subscriptions
BIGGA HOUSE
Aldwark
Alne
York
YO61 1UF

EGU withdraw GTC funding

BIGGA is printing in full a recent Press Release from the English Golf Union which is likely to have wide-ranging effects on the future of greenkeeper training. Following this Press Release, the STRI issued a Press Release outlining its position in this matter and this is also included for readers' information.

**EGU Press Release Dated
November 12**

The English Golf Union's new initiative for Greenkeeper Training

The English Golf Union Executive Committee have endorsed the recommendation of its Golf Course Committee for the future training of golf greenkeepers in England.

The recommendation follows the re-appraisal of the current training and funding programme and will involve the introduction of a dual structure approach to instruction.

The curriculum will be designed to achieve the improvement and maintenance of golf courses through the improved quality of better educated and informed greenkeeping staff. The Union are convinced that this innovative approach will ensure that all of its funding will be specifically directed to the actual training of greenkeepers.

It has been established that the vast majority of junior greenkeeping staff receive their training from their on-course work and through the management and ministrations of their Course Manager or Head Greenkeeper. Support for the Government funded modern apprenticeship scheme is endorsed by the Union who will ensure its continuance by providing administrative support and additional monies where they consider this is appropriate. The English Golf Union recognise that Clubs may wish to

exercise their prerogative to decide whether or not to send trainees to educational institutions.

For senior greenkeeping staff wishing to continue a recognised programme of on-going training and education it is envisaged that a series of lectures will be held at the National Golf Centre at Woodhall Spa during the winter period between October and March each year. These lectures will be highly intensive, culminating in an examination and with levels of success being recognised by Certificates of Achievement. It is proposed that the full series of lectures will comprise of around 20 subjects and that the programme will be made available to senior greenkeepers employed at Clubs affiliated to the Union. On behalf of its affiliated Clubs the Union intend to ensure that the funds for training provided by its members are used to the best possible advantage and benefit of the greenkeeping industry.

Support for this initiative from the fine turf industry has been most encouraging as has the endorsement by the Sports Turf Research Institute whose technical expertise, educational and instructional skills will be incorporated within the training syllabus.

The administration of the scheme will be centred at The National Golf Centre, Woodhall Spa and an English Golf Union Training Committee will be established to ensure the essential quality of the introduction and maintenance of the syllabus.

**STRI Press Release Dated
November 23**

Greenkeeper Training Committee

STRI has received a number of enquiries regarding its collaboration

with the English Golf Union over new initiatives in greenkeeper training. This coincided with a decision by the English Golf Union to withdraw its support from the Greenkeepers Training Committee. The STRI wishes to make it clear that there is no linkage between these events as far as STRI is concerned. STRI did not know about the English Golf Union decision to withdraw funding from the GTC until after the event. The decision was made by the English Golf Union alone. The STRI has expressed general support for educational initiatives by the English Golf Union, which is one of STRI's founder Members, for the good of the game of golf in England, as it would for the other Home Unions.

It should be noted that the EGU Press Release does not mention the fact that the EGU has written to the Greenkeepers Training Committee to advise that EGU membership of the GTC will cease as of 31 March 1999. Consequently after that date, the EGU will no longer be providing funding towards GTC expenditure in support of greenkeeper training.

Commenting on developments, BIGGA Chairman, Gordon Child who represents the Association on the GTC said, "This is a serious matter with considerable implications for the future of greenkeeper training. The GTC has since met and asked for an urgent meeting with the EGU's Golf Course Committee. BIGGA will be closely monitoring the situation but will await the outcome of that meeting and the subsequent deliberations of the GTC before determining its own position on behalf of its members."

Greenkeeper International will continue to follow developments and report further in future issues.

ISO 9001 for Textron

Textron Turf Care & Specialty Products has achieved ISO 9001 Certification for their manufacturing facility at Ipswich in the UK. Spokesman, Kevin Forrest, Quality Manager said 'We are delighted to have achieved ISO 9001 Certification as this is a result of many months of hard work by all departments in the Company and gaining ISO 9001 has considerably improved both employee motivation and commitment to quality. It has resulted in a significant improvement in internal quality standards.'

"Our intention as a business is to be a company that is easy to do business with and ISO 9001 has certainly had a significant part to play in the achievement of this objective."

The Textron Turf Care Group already has two other facilities carrying ISO 9001 Certification. They are the Racine facility and the Johnson Creek manufacturing plant in the USA.

ISO 9002 for Supaturf

Supaturf Products Ltd is celebrating the recent award of the ISO 9002 quality standard.

Supaturf has been a leading force in the industry for 35 years offering innovative products, but can now also claim to be among that small group of suppliers who lead the way in quality of production and service to their customers.

"We regard this award as the start of a new phase of development for Supaturf. Now we don't just think that we do what we say we do, we know we do, and have the system to back us up and the award to prove it. An outstanding result for everybody at Supaturf and good news for our customers" said Marcus Palmer, Managing Director.

Ronnie cleans up at Gleneagles

This year's Gleneagles Excellence in Golf Award Scheme winner was Ronnie Lumsden, who, after 23 years working for a life assurance company, chose an altogether different career.

Ronnie moved to Elmwood College to study for a National Certificate in Greenkeeping and an HNC in Golf Course Management. Alongside his Elmwood studies, he also chose to further his passion for golf course design by securing a place on the BIGCA Professional Diploma in Golf Course Architecture at Merrist Wood.

Of his year at Gleneagles, Ronnie said: "The students enjoyed working with the golf course management team at Gleneagles. Everyone put in an amazing amount of work and all the stu-



dents feel that the year has given them an excellent base upon which to launch their course management careers."

The second place position went to Susan Rothwell. Susan arrived at Gleneagles from Myerscough College after deciding to extend her knowledge of turf manage-

ment, following three and a half years managing and maintaining the nine hole golf course at Hoddon Castle Caravan Park. Both Ronnie and Susan were presented with bursary cheques to include a trip to the GCSAA conference and show in Orlando, Florida, next February.

Top post for Catherine

Spaldings has appointed Catherine Locking to the board of Spaldings UK as Sales Director of their Grasscare division.

Catherine joined the division from its start up in 1993 after previously gaining wide experience of the industry with a manufacturer of replacement grass cutting spares and has worked in the industry for over 10 years.

Since start up the division has grown from a standing start in 1993 to become market leader in the replacement grass cutting spares, tools and accessories market by 1998. Supplying many leading grounds maintenance professionals, local authorities and contractors in both the UK and mainland Europe.

ASSISTANT GREENKEEPER ASSISTANT GREENKEEPER ASSISTANT GREENKEEPER ASSISTANT GREENKEEPER

Profile

Usually the spotlight falls on the Course Manager or Head Greenkeeper at a Club.

Now it is the turn of those whose work often goes unheralded to star.



Name: Antony Bindley

Club: Kirby Muxloe

Position: First Assistant

Age: 35

1. How long have you been a greenkeeper?
Eight years

2. What education are you currently undertaking?
None

3. Which one task do you most enjoy doing?
Setting up the course for a big competition

4. Which one task do you most dislike doing?
Strimming

5. What job other than greenkeeping might you have ended up doing?
Groundsperson/gardener

6. Who has been the biggest influence on your career?
Richard Barker, Head Greenkeeper at Kirby Muxloe

7. What would you do to improve the life of a greenkeeper?
Improve relations between the greenkeeper and the members

8. What are your hobbies?
Golf, cricket and fishing

9. What do you get out of BIGGA?
Friendship and education

10. What do you hope to be doing in 10 years time?
Still enjoying life

Curse of big name designers

You wouldn't be too thrilled if your airline pilot announced that it was his debut flight or your surgeon told you that it was the first time he had performed the particular operation that had resulted in you being flat on your back in theatre.

That was the analogy used by golf course architect, David Williams, when he bemoaned the fact that big name golfer/designers had their first work trumpeted by the press and media.

He was delivering a paper at the biennial British Institute of Golf Course Architects Conference sponsored by Barenbrug, Toro and Club Car at The Wentworth Club.

David continued by saying that people wouldn't have too much faith in the new Ford if you knew it was designed by Damon Hill or Nigel Mansell but that we are happy for a top golfer to design a golf course.

On the other side of the coin David, who has designed a number of 18 hole courses including Merrist Wood and Reigate Hill, said that during the last Open Championship there was much praise on the BBC for the redesigned and reconstructed greens but now once was Martin Hawtree mentioned.

"The media is not interested unless it is a big name," said David.

He added that it was different in



America where club golfers regularly knew who had designed particular courses and they could discuss the various styles of Robert Trent Jones, Pete Dye and Tom Fazio.

David Williams also talked about the fashion of inflating the cost of particular projects in the press which lured the public into thinking that the more spent the better the course.

He urged the media to name the architect in reviews of golf courses, if it was a big name to ask who was the real architect also to ask the cost of construction.

Among the other speakers at the one-day conference was Bob Taylor and Mike Canaway of the STRI; architect Peter Harradine; Jimmy Kidd of Gleneagles Golf Developments; Parker Smith, of Sports Opportunity; David Clarke, of Golf World; Trevor Homer, of the Golf Foundation, and David Wright, of the PGA.

The day before the Seminar the West Course hosted the traditional golf tournament and this was won by Calum Todd and Parker Smith. Bob Buckingham, of Toro, presented the prizes.

New team recruited at Barenbrug



Paul Johnson has been promoted to Managing Director of Barenbrug UK, following in the footsteps of Michel Mulder, who has been handed the task of running Barenbrug's North American division.

Paul was previously in charge of the agricultural side of the Barenbrug UK but his love and golfing ability should make him ideally suited to his new role.

Alan Lomas has joined the Bury St Edmunds-based company as Sales And Marketing Manager. His depth of experience is seen as a great asset to the grass seed company's continued growth.

After graduation, Alan's working life began in the Middle East, principally Saudi Arabia. On his return to the UK, Alan joined Fisons Horticulture Division and remained with the company during its transition, in 1994, to Levington Horticulture. He subse-

quently became Export Manager, responsible for several new product releases.

Despite extensive experience in turf-care, Alan's golf is at beginner's level and he will look to his new colleagues at Barenbrug for handy tips. Not surprisingly green-fingered considering his pedigree, Alan is also a keen walker and cinema-goer.

Darren Wilding is Barenbrug's new Area Manager for South Wales and southern England. A Turfgrass Science graduate of Myerscough College, he joins the company from Amenity Land Services, where he was a Technical Sales Advisor.

Darren has also had two spells at The Royal Lytham and St Anne's Golf Club. Before college there was three years part-time work for the Senior Tour; after, Darren spent a year as full-time greenkeeper, helping to prepare the course for the Open.

Southern dealership for John Deere

Bristol based BS Mowers has been appointed to sell John Deere's full range of professional and golf and turf equipment to golf clubs, local authorities and contractors in Bristol, Bath, north west and north east Somerset, south Gloucestershire and Wiltshire.



New 1999 Golf Championship



The Charterhouse/Scotts Golf Championship is an exciting new event open to all members of the Association the final of which will be played at Carden Park Hotel Golf Resort and Spa, near Chester on 3 to 5 October.

The overall winner will receive the coveted BIGGA Challenge Trophy while there will also be a Regional trophy competed for by the Section qualifiers in each Region.

The agreement was finally struck at The Reform Club in London's Pall Mall between David Jenkins, of Redexim Charterhouse, Richard Minton, of Scotts Turf and Amenity, and Neil Thomas, of BIGGA.

To ensure the event is representative of the Association nationally, the winning gross and net players from each of BIGGA's 28 Section Spring Outings will win a free place in the final, which will include accommodation, meals and golf fees. Places are also available to anyone wishing to pay an entry fee of £95 which will

include accommodation at the four star Carden Park Hotel, meals and golf fees

Neil Thomas said, "The Association is delighted that it once again has a high profile golf tournament for its members. Charterhouse and Scotts are both Golden Key sponsors and long term supporters of the Association and we look forward to working closely with two such well established companies."

BIGGA Chairman, Gordon Child, commented, "This will be a festival of golf played among members of the Association from far afield at a venue fit to host such a prestigious event."

Richard Minton, who was involved for many years with the Association's National Tournament, said, "Scotts are delighted to be sponsoring this Championship. BIGGA has needed an event that brings together the best players in the Association to play for the ultimate prize of being the Association's Champion golfer."

David Jenkins, Managing Director

of Charterhouse, said, "Charterhouse view this as a wonderful opportunity to support the Association and receive national coverage in the most positive light. We look forward to meeting greenkeepers at Section events as well as at Carden Park."

Carden Park recently opened The Nicklaus course to complement its already well established Cheshire Course and the venue, magnificently managed by Master Greenkeeper Andy Campbell, is one of an increasing number of British courses which has gone "spikeless". This fits nicely with BIGGA's other supporting sponsor for the Tournament, Softspikes, who will be providing cleats to all of the players playing in the final and offering their services at the qualifying section events as required.

The Championship will be launched officially at BTME 99.

Further details are available on request from the tournament administrator who will be Sarah Sowerby at BIGGA HOUSE, tel: 01347 833800.

Eco-Unit for STRI

STRI have established an Ecology Research Unit in response to the growing need for research into areas where sports and amenity turf science and golf in particular overlap with ecological interests.

The new unit will form part of the Turfgrass Biology and Environmental Science Division led by Dr Andy Newell. STRI's senior Ecologist, Bob Taylor will act as consultant and a member of the cultivar research team, Jonathan Hart-Wood, will be responsible for the day to day running of the unit as Research Co-ordinator.

Current projects being undertaken by the new unit include an ecological lawn research study for DLF Trifolium (Danish Plant Breeding), which is monitoring the effects of clover on the appearance and persistence of grass species managed for low input lawn uses.

Also, scheduled will be a study of heather on UK golf courses. Emphasis will be given to evaluating the distribution of heather and golfers perceptions to heather as a feature or hazard on golf courses. Management practices will also be investigated. This major project is being funded by the R&A. Golf Clubs wishing to be included should contact Jonathan Hart-Woods, Research Co-ordinator for the new Ecology Research Unit.

Jonathan Hart-Woods has taken over the new role of Research Co-ordinator for STRI's new Ecology Research Unit. Jonathan will be responsible for the day to day running and co-ordination of the new unit.

Jonathan joined STRI in April 1996 as a research officer for the Cultivar Evaluation programme. However more recently his enthusiasm and interest in natural science have involved him working more closely with Bob Taylor in STRI's Ecology Section.

Colour blind apology

Despite what it may have appeared from the college listings which appeared in last month's issue of Greenkeeper International we would like to point out that Merrist Wood is a GTC approved college.

Unfortunately the Surrey College appeared in the wrong colour, and we can assure all potential students that the College is GTC approved to offer Craft, Supervisory and Management Levels.

We apologise to the College for any embarrassment caused by the error.

Royal Inverdivot GC...

by Tony Husband



South West/ South Wales seminar success

Over 120 people attended the South West and South Wales Regional Seminar at Cannington College sponsored by Roffey Bros and Supaturf recently.

The speakers included Ian McMillan, of Hankley Common, who spoke on his year of achievement in '97; John Mullins, of Supaturf, who delivered a paper of water management; Tony Rees, on Health and Safety; Phil Greenway, of Roffeys, spoke on top dressings while Dave Phillips gave a talk on seed selection and its implications. Frank Newberry gave an inspirational talk and workshop on "Making the committee work for you".

The day was chaired by Ivor Scoones.

Honours for Brian Gilbert

At the December meeting of the Board of Management members were informed of Brian Gilbert's decision to step down as a Guardian of the Association. Mr Gilbert has served on the BIGGA Board of Management as the R&A representative, and provided advice and guidance to BIGGA on finance and administration matters, since 1990. BIGGA's Constitution enables the Board of Management to award Honorary Membership to any person recognised as having contributed in an outstanding manner to the Association or profession. The Board of Management has

therefore awarded only the third Honorary Membership in BIGGA's history to Mr Gilbert, following awards to Viscount Whitelaw and Mr Jim Fry.

Neil Thomas, BIGGA's Executive Director commented: "This is a much merited award. Brian's advice on many aspects of BIGGA's affairs and development has been instrumental in the progress we have made as an Association.

"It has always been given in his quiet, unobtrusive manner and he has gained the respect of all who have consulted with him on BIGGA matters.

"He has been BIGGA's link with the R&A and the excellent relationship between the two bodies owes much to his influence. He has been a guiding light in the financing and building of BIGGA HOUSE and his decision to step down comes at a time when this major project has come to fruition.

"At a personal level he has been a great help to me with his business and financial expertise which has greatly advanced the Association.

"I am delighted with this award to a most deserving recipient," said Neil.

A BIGGA Building Fund thank you

BIGGA would like to take this final opportunity to thank the many golf clubs who contributed to the Association's Building Fund.

Abbeylea GC
Addington Palace GC
Alton GC
Alwoodley GC
Arcot Hall GC
Army GC
Ashton-in-Makerfield GC
Baldon GC
Banchory GC
Beaconsfield GC
Bedale GC
Beeston Fields GC
Berkhamsted
Bingley St Ives GC
Birchwood GC
Bishops Stortford GC
Blackmoor
Blackwood GC
Blyth GC
Brancepeth Castle GC
Bristol & Clifton GC
Brokenhurst Manor GC
Bromborough GC
Brookmans Park GC
Bungay & Waveney Valley GC
Burford GC
Burhill Golf Centres
Burnham Beeches GC
Bury St Edmunds GC
Bush Hill Park GC
Canterbury GC
Cardigan GC
Cathcart Castle GC

Cawder GC
Chestfield GC
Chigwell GC
Childwall GC
Chipping Norton
Chorlton-Cum-Hardy GC
Churston GC
Clitheroe GC
Conwy GC
Cooden Beach GC
Coombe Hill GC
Coombe Wood GC
Copt Heath GC
Cotswold Hills GC
Coventry Hearsall GC
Coxmoor GC
Cradoc GC
Croham Hurst GC
Crompton & Royton GC
Denbigh GC
Doncaster GC
Dore & Totley GC
Drayton Park GC
Dunfermline GC
Dyke GC
Eastwood GC
Edenmore GC
Enfield GC
Epsom GC
Erewash Valley GC
Fairhaven GC
Ferenze GC
Fishwick Hall GC
Flamborough Head GC

Frilford Heath
Gerrards Cross GC
Glenbervie GC
Goodwood GC
Goring & Streatley GC
Habberley GC
Haggs Castle GC
Halifax GC
Hallamshire GC
Haltwhistle GC
Ham Manor GC
Hampshire, Isle of
Wight & Channel
Islands Golf Union
Hampstead GC
Handsworth GC
Hankley Common GC
Harpden GC
Hawkstone Park GC
Haywards Heath GC
Henley GC
Heswall GC
Hickleton GC
Hillside GC
Hindhead GC
Huddersfield GC
Ipswich GC
John O'Gaunt GC
Kilmarnock
(Barassie) GC
Kirby Muxloe GC
Knole Park GC
Knowle GC
Knuttsford GC

Lees Hall GC
Letchworth GC
Lincoln GC
Lindrick GC
Little Aston GC
Littlestone GC
Loch Lomond GC
Long Ashton GC
Longniddry GC
Macclesfield GC
Malone GC
Manchester GC
Mapperley GC
Masham GC
Maxstoke Park GC
Meltham GC
Mendip GC
Merrist Wood GC
Moffat GC
Moor Hall GC
Moortown GC
Moray GC
Mullion GC
Murrayfield GC
Nairn GC
Newbury & Crookham GC
Newcastle-Under-Lyme GC
Normanby Hall GC
North Hants GC
North Oxford GC
North Wilts GC
Northenden GC
Northumberland GC

Old Fold Manor GC
Penrith GC
Peterborough Milton GC
Plassey GC
Pleasington GC
Pollok GC
Potters Bar GC
Purley Downs GC
Puttenham GC
Pyle and Kenfig GC
Ranfurly Castle GC
Ravelston GC
Ravensworth GC
Reigate Heath GC
Ringway GC
Roehampton GC
Romsey GC
Ross-on-Wye GC
Royal Ashdown Forest GC
Royal Birkdale GC
Royal Burgess Golf Society
Royal Cinque Ports GC
Royal Guernsey GC
Royal Jersey GC
Royal Liverpool GC
Royal Mid-Surrey GC
Royal St Georges GC
Royal Musselburgh GC
Royal Porthcawl GC
Royal Portrush GC
Royal West Norfolk GC
Royal Wimbledon GC

Royston GC
Rugby GC
Sandy Lodge GC
Scarcroft GC
Seacroft GC
Seaton Carew GC
Sedburgh GC
Sheringham GC
Sherwood Forest GC
ShIPLEY GC
Sitwell Park GC
Skipton GC
Sleaford GC
Sonning GC
Southport & Ainsdale GC
Spalding GC
St Andrews
St Austell GC
St Bees GC
St Enodoc GC
Stafford Castle GC
Stand GC
Stanmore GC
Stanton on the Wolds GC
Stocksfield
Sundridge Park GC
Sunningdale GC
Sutton Coldfield
Swinley Forest GC
Tain GC
Tandridge GC
Taunton & Pickeridge GC
Temple GC
Tenby Golf GC

Tenterden GC
The Wisley GC
Thorpe Ness GC
Tidworth Garrison GC
Tulliallan GC
Turnberry GC
Tynemouth GC
Tyrrells Wood GC
Uttoxeter GC
Verulam GC
Wakefield GC
Walmley GC
Walsall GC
Walton Heath GC
Wentworth GC
West Byfleet GC
West Derby GC
West End Halifax
West Essex GC
West Hill GC

West Sussex GC
Whitchurch (Cardiff) GC
Whitley Bay GC
Whittington Heath GC
Willingdon GC
Woburn
Woking GC
Woodbridge GC
Worcestershire GC
Worksop GC
Wortley GC
York GC



JOHN GREASLEY LIMITED

1154 MELTON ROAD • "ASHFIELD HOUSE" • SYSTON • LEICESTER • LE7 2HB

John Greasley

SPECIALISTS IN • GOLF COURSE • CONSTRUCTION •
ROYAL BIRKDALE • RUDDING PARK • GOG MAGOG • DEESIDE • SPRINGS

Telephone: 0116 269 6766

Mobile: 0836 553899

Fax: 0116 269 6866



Less pressure, more action

Trelleborg is a world leader in the manufacture and supply of specialist low ground pressure tyres and matching rims for farm, forestry and industrial applications.

The company is now striving to achieve similar status within the turf and grounds maintenance industry where interest in wide, low ground pressure tyres is growing rapidly, reflecting the demand for surfaces of a consistently high standard to be provided throughout the year.

Recognising that prevention is always better and more cost-effective than the cure, those charged with looking after golf courses, sports grounds, stadia, parks, gardens and recreation areas are increasingly specifying purpose-designed wide section tyres for their tractors, trailers and wheeled equipment.

By spreading the load across a greater contact area, wide, low profile tyres exert far less downforce on the turf than standard tyres, reducing the risk of marking the surface and compacting the soil structure below. The benefits to the turf include improved movement of oxygen and water, better root growth and a reduced need for costly remedial action.

ADVANTAGE

There is another advantage to wide tyres. Having a greater internal volume than a standard tyre they hold more air and can be inflated to lower pressures to support the same weight.

This has an important bearing on tyre life. The higher the inflation pressure, the greater are the forces on the tyre and the shorter will be its life. This is particularly noticeable on standard tyres engaged on a large amount of road work.

The first extra-wide low ground pressure tyres used within the grounds and turf maintenance industry were developed initially for forestry and agriculture.

As demand has increased from turf professionals, so Trelleborg has responded by developing tyres which combine a wide contact area with high durability, and have tread patterns which deliver superb grip without damaging valuable turf (see back page for more details).

Growing end-user demand for specialist wide tyres has been recognised also by tractor and equipment suppliers, with many now specifying Trelleborgs as their preferred fitting on machines used for turf and grounds care.

So, why do they select Trelleborg? To the right are comments from four leading suppliers of turf machinery.



“Trelleborg tyres provide the capacity to maintain a consistently high mowing performance across all turf areas in all conditions. They ensure that the mower always has sufficient grip to work successfully and safely across flat or sloping ground in dry or damp conditions without marking of the turf. They are also hard wearing, making them ideal for use on and off road.”

Hayter

“To ensure optimum efficiency and minimal turf impact, tractors and associated groundscare machinery need to be fitted with tyres capable of handling the widest possible range of conditions and applications. For these reasons, John Deere UK has appointed Trelleborg as its official supplier of turf tyres. We can recommend Trelleborg tyres without reservation to all turf professionals.”

John Deere



“We fit Trelleborg tyres to the TM11 trailed vacuum collector because they enable the machine to keep working in most conditions without marking. An important application for the TM11 is on turf farms where it is used to collect and remove grass clippings. It is most important that the vacuum leaves no wheel marks. By fitting Trelleborgs, that requirement is virtually guaranteed.”

Turfmech Machinery

“Greenkeepers and groundstaff want grass-cutting equipment that performs effectively, reliably and economically without causing worries about turf damage or compaction. That is why we work closely with Trelleborg to ensure that our mowers are shod with the most effective tyres for the job and the conditions. They take pressure off turf and provide excellent grip without marking.”

Textron Turf Care and Specialty Products



Spreading the load helps extend working season

Fitting Trelleborg tyres to all principal wheeled machinery has given White Horse Contractors the ability to continue working all-year-round on golf course, sportsfield and amenity construction and drainage projects throughout Britain.

Previously, the company's operating season normally ran from April to late October when the onset of wetter, colder weather prevented equipment from working comfortably on turf.

Philip Matchwick. "It gives good grip on muddy tracks and roads yet has minimum impact on fine turf. It used to be virtually impossible to take a backacter loader onto a golf course when the weather turned wet. Now, the JCBs can move to wherever they are needed and the greenkeepers rarely bat an eyelid."

To emphasise the importance of Trelleborg tyres within White Horse Contractors' operations, Philip said that the company has



Despite soft conditions underfoot, drainage works continue thanks to the fitting of Trelleborgs on all wheeled equipment.

"Conditions simply made it impossible for normal tyres to move across finer turf areas without causing damage," explained plant manager, Philip Matchwick. "The use of wide, low ground pressure Trelleborgs has transformed operations. Although there are still times when it is too wet or frosty to risk driving on turf, the tyres have extended the season significantly, enabling our drainage and construction teams to remain on site for more of the year. This has boosted cost efficiency and allowed contracts to be completed faster and more effectively."

First fitted in the early 1990s by White Horse Contractors to JCB dump trucks used on wetland projects and for lake and reservoir construction, Trelleborg tyres have been introduced steadily over the past seven years to other machines in the company's fleet.

Today, Trelleborg TWIN 404 tyres are fitted to three JCB 2CX backacter loaders, two Thwaites dumpers and three purpose-built self-propelled sand and gravel hoppers.

"We find this tyre ideal for all our applications," commented

bought a spare set of rims complete with TWIN 404 tyres. These are kept ready for fitting to any hired-in dumper which might be required on a sportsfield or golf course project.

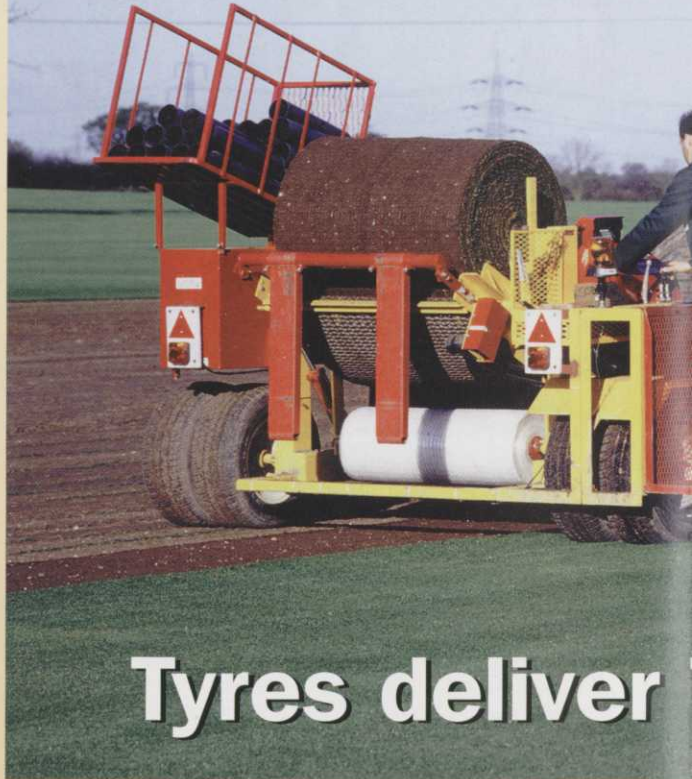
"It is important that all of our equipment is able to move freely on turf without marking or damage. Trelleborgs give us that capacity in virtually all conditions."



pitch reconstruction and installation of under-soil heating and drainage systems for a number of well-known Premier and 1st Division football clubs.

Hewitt Sportsturf also provides a full range of related services including sand slitting, overseeding, fertilising, top dressing, verti-draining, turf aeration and weed control - all tasks which demand a sure, yet light tread. The MF6130 two-wheel drive tractor shown at work above left is fitted with Trelleborg TWIN 404 tyres at the rear and TWIN 443 tyres on the front.

Now fitted to more than half of Rolawn's tractor fleet, Trelleborg tyres have proved ideal for jobs ranging from turf harvesting to seedbed cultivation.



Tyres deliver

Europe's largest producer of quality cultivated turf runs one of the biggest fleets of Trelleborg-equipped tractors in Britain.

In 1982, Rolawn used five tractors fitted with a variety of grassland and agricultural tyres on its turf farms. These tyres needed to be interchanged regularly to suit the different field operations within the turf production cycle.

Today, with some 2,000 acres in production at any one time, the company runs 50 tractors, of which approximately 30 are equipped with Trelleborg TWIN 404 tyres.

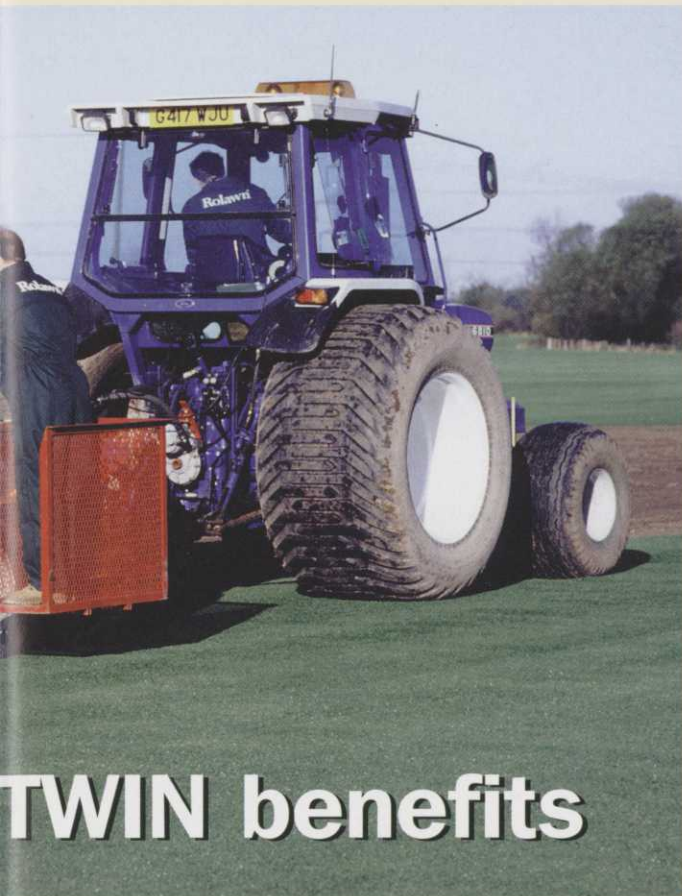
"This specific design combines low ground pressure with excellent grip, enabling tractors to be used successfully for

On top, on turf

Trelleborg low ground pressure tyres have been fitted to tractors used by Hewitt Sportsturf for sportsground construction, drainage, renovation and maintenance for almost 20 years.

Currently, the company runs 14 MF tractors in the 80 to 90hp class, the majority of which are fitted with Trelleborgs front and rear to minimise turf compaction and the risk of marking or damage to fine sports turf.

Among the major projects undertaken by Hewitt Sportsturf, which is based at Cosby, near Leicester, are



TWIN benefits

turf harvesting, mowing or cultivating without needing their tyres changed," commented Rolawn's general farm manager, Guy Barrett. "As a result, we are saving valuable time and maintaining production continuity."

Founded in 1975 and based at Elvington, near York, Rolawn is a family business which has become the largest and best-known turf supplier in Britain, if not Europe. The company currently produces five principal turf grades which are supplied from a nation-wide depot network to landscape architects and contractors, the golf course industry, local authorities, construction firms and home owners, either collected by customers or delivered direct to site.

The company's introduction to Trelleborg tyres followed a recommendation by a local tyre agent who said that they were the best in the industry.

Having taken the decision to switch to Trelleborgs, Guy Barrett said usage had increased steadily as the tractor fleet had expanded, mirroring the growth in the turf acreage being produced by Rolawn in the Vale of York.

"Wide low ground pressure tyres minimise turf damage and wheel markings, enabling production and harvesting to continue all-year-round to meet rising customer demand," commented Mr Barrett. "However, we also need good grip for operations such as ploughing and cultivating. Trelleborg TWIN 404 tyres give us that dual capability, allowing tractors to move straight from one job to another without stopping."

"Although the tyre may cost more, we have been very impressed with its durability and long life. They are an integral and important part of Rolawn's turf-growing operations."

Staying the course

Ask Gil Gilford, head groundsman at Ascot Racecourse, what he thinks about Trelleborg low ground pressure tyres and his response is immediate: "I wouldn't buy a tractor without them for use on a racecourse."

And his reasons? "They're long lasting, they stay on top of the ground and they allow work to continue for 52 weeks of the year without marking," he says. "There are very few occasions when the conditions are too wet or too soft for a tractor on Trelleborgs. In my opinion, they're essential on any tractor which needs to work on fine turf throughout the year."

Gil has been responsible for the whole of Ascot's outside estate since March 1996. The total area is around 300 acres and includes the world-renowned racecourse, the paddock and 200 stables, an 18 hole golf course, cricket ground and associated buildings, fences and roads. He has a team of 14 groundstaff to help look after the racecourse, plus three golf greenkeepers and a stable manager.

Racing takes place at Ascot from January to December. In 1998, the course hosted nine National Hunt and 15 flat meetings. The big week of the year - Royal Ascot - sees five continuous days of racing in mid June.

"Even then we can't guarantee the weather," commented Gil. "Coaches have been known to

become stuck in wet ground and that is one of the reasons I specified 95hp Renault Cergos tractors fitted with Trelleborg tyres when replacing our two main tractors in March 1998. You need plenty of power and grip when shifting a coach. We used to hire-in tractors for the job, but they had standard tyres which made quite a mess. No such problem with Trelleborgs."

Towing aside, the Renaults are used for virtually all of the maintenance work carried out on Ascot's flat, hurdle and steeplechase courses, which are laid out alongside one other, each measuring around a mile and six furlongs.

"In the summer months, we are mowing most days," explained Gil. "The tractors are used also for verti-draining, fertiliser spreading and for ring-rolling the race course after a meeting, helping firm back divots."

"Our policy now is to use the Renaults for every maintenance job which involves driving on turf. Quite simply, the Trelleborg tyres ensure that the tractors can keep working without damaging or marking the course, essential if we are to present a consistently firm, level and even surface for racing."

Below: Trelleborg TWIN 404 tyres keep big tractors on top of the course, even in soft going.





Trelleborg's new Industrial T459 tractor tyre is equally suited to work on grass or on the road.



Good on road and good on turf

Guildford Borough Council's Ground Maintenance Services division was the first contract organisation in Britain to invest in a full set of Trelleborg's newly-introduced industrial tractor tyres with their distinctive T459 tread pattern.

Specified by division manager, Chris Bruce, the tyres are fitted to a 75hp Ford New Holland 5635 tractor which is used for jobs such as flail mowing, trailer hauling, leaf collecting and side-arm flail cutting of

verges and ditches.

"Our contract covers a mix of urban and rural locations, some requiring a round trip of 20 miles or more from base," explained Mr Bruce. "This had caused high wear to the tyres fitted to the previous tractor and I wanted a more versatile, harder-wearing tyre on its replacement."

To match the new tractor's general-purpose role, Mr Bruce said that he also wanted a tyre which could be used with equal success on the road, on grass verges and, if

necessary, on playing fields, able to deliver good grip, yet with a lighter touch than cleated agricultural tyres.

"I asked dealer, Sussex Tractors, if such a tyre existed," recalled Chris Bruce. "They recommended Trelleborg's new 70-profile T459 tyre and we ordered the tractor with the tyres fitted all-round."

Suitable for use on standard rims, the tyre features Trelleborg's renowned bias belt design which combines the best features of radial and cross ply construction. It also has a polyester carcass to enhance ride comfort and highly durable rubber compound in the tread area.

"The tyres have greatly improved the tractor's flexibility," commented Mr Bruce. "They are hard wearing, are good on the road and have the grip to deal with slippery conditions. However, they are sufficiently gentle to be used where we would never have gone previously with normal agricultural tyres."

For detailed information on Trelleborg Industrial Tractor Tyres, please contact the sales department at the address given below.

Tyres matched to the job

Trelleborg produce low ground pressure tyres in three distinct patterns for use on sports and amenity turf and other green areas.

Known as TWIN GT EWR (Extra Wear Resistance), the tyres share a number of common characteristics despite having totally different tread patterns.

First is the EWR rating. This shows that it is the latest improved version of the original Trelleborg TWIN GT tyre, with new EWR rubber compound in the tread area to extend working life without sacrificing flexibility or gentleness on the ground.

All three tyres have an extra large ground contact area. This feature, combined with a soft, flexible carcass and low inflation pressure, enables the tyre to follow the ground closely leaving no marks and minimising soil compaction.

Despite their flexibility, Trelleborg TWIN tyres are built for long life. Their bias belt construction combines the best of radial and cross ply design, offering strength, lateral stability and driver comfort.

Customers can choose from three distinct TWIN GT EWR tread patterns to suit individual machines and applications:

TWIN 404

Ideal for work on all turf surfaces, this versatile low ground pressure tyre has rounded shoulders to prevent marking when turning and broad, yet closely-spaced tread bars to provide good grip with minimal surface impact, the latter enhanced by the 20mm tread depth. The T404 has very low rolling resistance and is intended primarily for use on tractor front and rear wheels.



TWIN 409

This familiar diamond-patterned tyre has a tread depth of just 18mm, making it ideal for use on all turf areas where a "soft" tread is essential. Round shouldered to minimise scuffing when turning, the T409 has a soft compound rubber and a very flexible carcass. It can be run at pressures as low as 6psi (0.4 bar) depending on application and load. Mainly used on tractor rear wheels and large trailers.



TWIN 478

A 10mm tread depth and closely-spaced, zig-zag tread give the T478 excellent non-marking properties when used on the front wheels of two-wheel drive tractors and trailers. The flat tread profile with rounded shoulders provide excellent lateral stability and a wide, load-spreading contact area. The tread design aids grip on and off road and provides resistance to sideslip.



Trelleborg Wheel Systems SpA

Maybrook Road
Castle Vale Industrial Estate
Minworth
Sutton Coldfield B76 1AX, UK
Tel: 0845 601 1084
Fax: 0121 352 3845