

Nicola Gemmell has recently completed her BSc Honours in Horticulture. As part of her final year, she investigated the use of environmental management on the golf course. Here she explains her results...

Manager's special?

Environmental Management

There are over 500 golf courses in Scotland covering around 25000 hectares in total land area. As the game continues to grow in popularity, we must make the best use of the natural processes that have formed the courses and help maintain them. Almost every part of the golf course is potentially valuable to wildlife, but especially areas outwith normal playing zones that can amount to nearly 45% of the total area. Most courses have a wide range of natural features providing possible wildlife habitats. These habitats, such as grassland, woodland, hedges, individual trees and water features also draw in all sorts of insects, birds and animals making the golf course a potential wildlife haven.

Aims

As part of my Honours year at the University of Strathclyde/Scottish Agricultural College, Auchincruive, I chose for my dissertation to investigate the use of amenity pesticides on golf courses and their probable impacts on that environment. There is evidence that the use of amenity turf chemicals on the golf courses could be limiting their environmental quality and conservation potential. By using alternative methods to amenity pesticide use and through a reduction in their use, the environment of the golf course is enhanced. Another aim of this study was therefore to find out what measures have been taken to control the use of amenity pesticides as well as the underlying reasons.

Objectives

1. To assess the factors that are working for and against wildlife conservation on the golf course.
2. To determine to what extent environmental management plans are used in golf course management.
3. To review the role of amenity pesticides and fertilisers in golf course management and the factors that influence their use.
4. To determine the current threats posed by the use of amenity pesticides and fertilisers on the golf course and the implications for the surrounding environment.

The main focus of the investigation was to evaluate the use of fertilisers and pesticides on golf courses in Scotland. To gain relevant information, a questionnaire was produced for course managers. Two hundred and fifteen of these questionnaires were sent out to golf courses throughout Scotland, some small and some larger, more prestigious ones. Questions were designed to determine changes in amenity pesticides and fertiliser use and to determine what alternative methods are being employed.

A second questionnaire was sent out to 30 companies that supply and/or manufacture amenity pesticides and fertilisers. This questionnaire was used to determine whether the agrochemical companies have changed and are changing their product range to deal with the changes occurring in golf course management. Forms of advertising were also assessed to determine how the greenkeepers are kept informed about new products. In a competitive market, it is important to keep the greenkeeper updated with new products and improved methods of course management. The questionnaires were used to provide information about golf course maintenance and how this might be adapted to provide a better environmental management. They were used as the primary source of data collection, to gain information from golf courses throughout Scotland.

Results from Questionnaire sent to Course Managers:

Sixty-five responses were received from the 215 golf courses targetted in Scotland on which the analysis is based.

Land use

The majority (64.6%) of the courses have been built on agricultural land.

See Figure 1: Previous Land Use

Changes in amenity pesticide use:

The use of amenity pesticides has decreased over the last 10 years (Table 1).

The frequency of application of amenity pesticide products has also decreased or stayed the same.

See Table 1: Perceived Changes in Amenity Pesticide and Fertiliser Use in last 10 years by Greenkeepers/Course Managers

There has been a slight increase in the number of products used; this is because a wider range of products exists on the market and only a selection of products are used. For fertiliser products, it is the perception of the course managers, that the use of fertilisers has increased overall, but there is an increase in the use of organic and slow release products.

Most of the amenity pesticides are applied to the greens, with fertilisers mainly applied to the greens and tees. The greens are the main areas where fertiliser is used and where amenity pesticides are used to cure disease problems. Some fertilisers and amenity pesticides are also used on tees and fairways.

It was shown that a relatively wide selection of amenity pesticides are used; most frequent was Glyphosate, with 2,4-D & Dicamba used only half as often. Glyphosate is used as a total herbicide to remove all weeds from paths, hard surfaces and clearing vegetation prior to reseeding. 2,4-D & Dicamba is used to control annual and perennial dicotyledons in turf.

For fungicides, Iprodione and Fenarimol are popular for the treatment of Fusarium, Red Thread and Dollar Spot disease problems. Gamma HCH is used to control earthworms and leatherjackets in turf.

Environmental Management

Only a third (33%) of the golf courses are actively using environmental management plans.

Independent Agronomists are used by just over half of the courses most being visited every year (57%), some (36%) are visited more than once a year and a smaller number (7%) are visited every two to three years.

The most commonly used method of distributing information is through suppliers (28%), and other useful methods include; other greenkeepers (i.e. word of mouth) (19%), independent agronomists (18%), and trade press (18%), (Figure 2). Information

about new products is provided by the agrochemical suppliers through personal visits. Other sources of information are important such as the trade press and others, e.g. BIGGA.

See Figure 2: Information about New Products

Integrated Pest Management (IPM)

Two-thirds of those respondents were aware of the concept of IPM but only one-third actually use these methods (Table 2). In general, of those who currently use IPM, most of the greenkeepers were using IPM as a method for improving the environment on the golf course and as a way to reduce costs of pesticide applications.

See Table 2: IPM Awareness and use

Water use

In an age when there is less available water and more frequent drought periods (less so in Scotland), there will be implications for the golf courses. It is impractical to irrigate all areas of the course, so irrigation of only specific parts of the course, mainly the greens is undertaken. The size of the greens will have an influence on the wear and compaction of the green as well as their water requirement. The majority of courses (72%) use irrigation on the greens throughout the summer.

Pop-Up sprinklers (22 courses) are used to irrigate specific areas and are fixed, usually around the edge of the greens. Hand watering is used (5 courses) but is more labour intensive although there is less problem with overwatering. Bowers (5 courses) are used when there is no local water supply and less frequently used - when absolutely necessary.

Rough

The percentage of rough varies between courses and a wide frequency distribution is shown in Table 3. As there are different heights of rough, it was difficult to determine accurately the mowing regimes and the length of the grass. On the majority of courses, the rough is cut more than 3 times per

Manager's special?

year (54%) and usually clippings are not removed (71%).

See Table 3: Frequency Distribution of Percentage Rough Ground

Other areas

There are several features which exist on the course outwith the playing areas. Mainly there are woodland areas (45%) and water features (67%) which exist on the golf course. Other features include heather, gorse, hedgerows and wildflower meadows, represented in Figure 3.

See Figure 3: Other Features on Golf Courses

Results from Questionnaires sent to Agrochemical Companies:

Questionnaires were sent to 30 agrochemical companies that supply and/or manufacture amenity pesticide products; 15 responses were received.

Most manufacturers or suppliers responded that there has been an increase in the number of amenity pesticides used and that frequency of application of all amenity pesticides has increased in the last 10 years (Table 4). This is contradictory to the views of greenkeepers who thought that amenity pesticide use was perceived to have decreased. The number of amenity pesticide products sold increased but not in all the companies. For fertilisers, it is a different story as the use has increased but there is a greater number of slow release and organic fertilisers used instead of the inorganic or compound form.

See Table 4: Changes in the Selling of Amenity Pesticides and Fertiliser

Advertising Methods

Many forms of advertising are used and are listed below (Table 5). By rating the different forms of advertising on their success rate, it was shown that this depends on the company; 47% of the companies rated suppliers as the most successful methods of spreading information. Other greenkeepers were rated highly for spreading information (33%) while the other forms of advertising were not rated as highly, mostly with an average success rate. These forms of advertising are still used as they are still a viable means of advertising. There are a high percentage of no comments in this section as several companies did not rate the advertising methods.

See Table 5: Methods of Advertising

Representation at the major trade shows is important to the marketing of company products and many products are sold (Table 6). The most successful way to sell products is through company representatives and personal visits to the golf courses. Mail shots of literature are also a good method for trading and advertising in trade press,

like Greenkeeper International and The Groundsman, are also successful, shown in Table 6.

Table 7: Changes in company to deal with Environmental Management

Changes need to be made within the company to adapt to the changes in golf course management (Table 7).

Conclusions and Future Prospects

The work carried out in this research project is an introduction to the development of environmental management on golf courses in Scotland. Work has been carried out in environmental management in the US and elsewhere in Europe. However, little work has been done in Scotland. To ensure that environmental management continues more research needs to be carried out in Scotland and in particular to investigate the effect that amenity pesticides have on the environment and to develop new methods to overcome the use of chemicals.

If I was able to extend this project I would have liked to:

- Send out a larger number of questionnaires to all the golf courses in Scotland to get a fairer representation of the course managers' work in Scotland.
- Arrange meetings with agrochemical company representatives directly to interview them on specific areas of their product development and application. This would have gained a better response than the questionnaire. Several of the questions were poorly answered perhaps because they were unclear to some respondents.
- Meet with Agronomists to determine their role in golf course management.

Views of the Golf Club Members

A number of questions concerning environmental management were included in a questionnaire distributed to Golf Club members. However there was a poor response from this questionnaire. This was very disappointing as I feel that the members' viewpoint is important since it is their golf course which is being managed for better or worse.

Various methods have been used to inform the members, as shown in Figure 4. The most successful methods were found at Kilmacolm Golf Club, Renfrewshire. Members were taken on guided tours and rambles across the course to point out some of the areas which they are trying to promote, e.g. heather plantings, and pointing out wildflowers. Other forms of communication used included; distribution of newsletters, talks, posters and notices in the clubhouse.

See Figure 4: Methods of Informing Members

Members are not willing to sacrifice their playing conditions to increase the

Table 1	For Herbicides Products:	Increase	Same	Decrease	No answer
Frequency		6	28	31	0
Area		9	28	24	4
Number		8	27	22	8
	For Fungicide Products:				
Frequency		16	19	29	1
Area		8	38	11	8
Number		15	24	18	8
	For Insecticide Products:				
Frequency		8	32	26	2
Area		9	30	19	7
Number		6	26	22	11
	For Fertiliser Products:				
Inorganic		17	3	27	18
Compound		26	4	26	9
N only		20	4	23	18
P/K only		17	3	20	25
Organic		40	2	9	14
Slow Release		29	3	10	23
	Others:				
Conditioners		5	-	-	-
Liquid Fe		4	-	-	-

Table 2	IPM aware (%)	Use IPM (%)
Yes	60	Yes 29
No	40	No 71

Table 3	% Rough	No. Courses
0-10		5
11-20		11
21-30		13
31-40		9
41-50		8
51-60		9
61+		4

Table 5	Advertising	Companies (%)
	Other GKs	66.7
	Contractors	46.7
	Suppliers	73.3
	Manufacturers	73.3
	Ind Agronomist	53.3
	Trade Press	66.7
	Others	20

Table 4	For Herbicide Products:	Increase (%)	Same (%)	Decrease (%)	No Comment (%)
Frequency of Application		40	13.3	13.3	66.7
Number of Herbicide Products Sold		33.3	0	20	46.7
	For Fungicide Products:				
Frequency of Application		33.3	20	13.3	33.4
Number of Herbicide Products Sold		20	13.3	20	46.7
	For Insecticide Products:				
Frequency of Application		33.3	6.67	13.3	46.7
Number of Herbicide Products Sold		20	0	20	60
	For Fertiliser Products:				
Inorganic		26.7	13.3	6.67	46.67
Compound (N, P, K)		20	20	13.3	46.7
Nitrogen only		33.3	6.67	6.67	53.35
K/P only		20	6.67	20	53.3
Organic		53.3	0	6.67	40
Slow Release		53.3	6.67	0	40
Other - Control Release		6.67	0	0	93.3
Liquids		6.67	0	0	93.3

Table 6	Form of Trading	Rating: 1	2	3	4	5	Other
Trade Shows		0	26.7	40	20	0	13.3
Trade Press		6.67	13.3	26.6	33.3	6.67	13.5
Company Representatives		66.7	6.67	0	6.67	6.67	13.3
Company Literature		0	33.3	26.6	26.6	0	13.5
Other (Seminars)		6.67	0	0	0	0	93.33

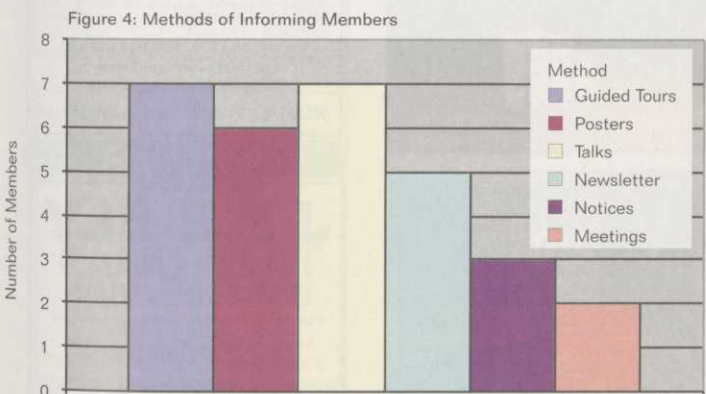
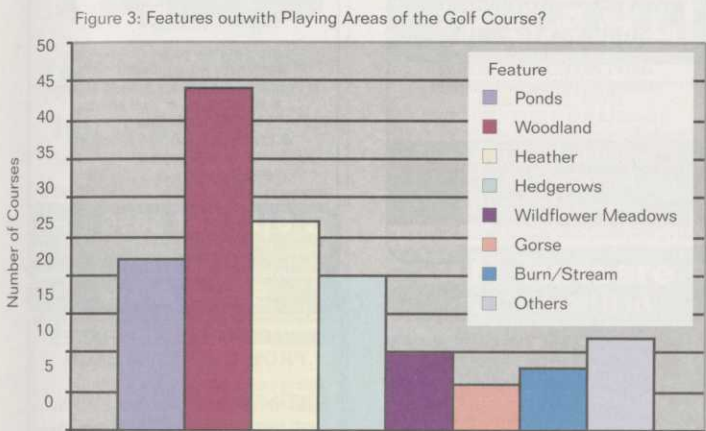
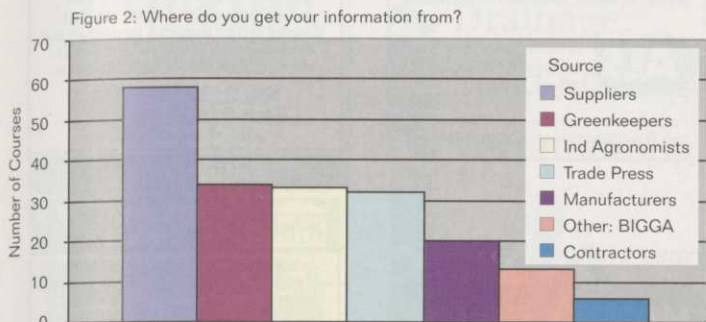
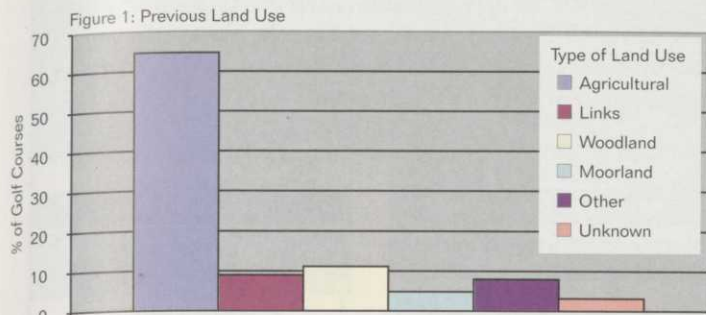
Table 7	Changes made	Yes (%)	No (%)	No Comment (%)
Environmentally Friendly Products		80	3.3	16.7
Increase in Specific Target Pest & Disease Products		53.3	13.3	33.3
Reduction in Broad Spectrum Products		46.7	20	33.3
Decrease Persistence of Chemical after Application		46.7	13.3	40
Other - Product Stewardship Campaigns		6.67	0	93.3

natural habitats on the golf course. There are plenty of areas outwith the greens and fairways which do not need to be intensively maintained. More than one-third of the members are willing to allow the rough and other areas to change as these are less intensively used areas of the course.

Summary

This study was designed to evaluate the environmental effects of golf course development and management in Scotland. Golf courses cover a large area of our country and as such can

provide important habitats for the survival of wildlife as well as providing an increasingly popular pastime. Most golf courses contain a high percentage of ground that can remain undisturbed by the application of amenity pesticides and fertilisers and with careful management and stewardship can provide ideal circumstances for the retention of the natural environment for plants, animals, birds and insects. With the development of Environmental Management ideas it appeared appropriate to evaluate their effect on our golf courses. The results

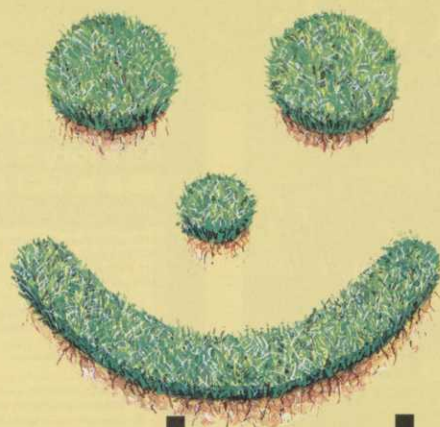


were carefully analysed and the major conclusions to be made from the answers included; pesticide use had decreased in the last ten years, the use of organic fertilisers has increased and there is a limited awareness of IPM techniques.

Furthermore, a number of initiatives are being developed both nationally and internationally to encourage environmental management. Now agrochemical companies are working more closely with greenkeeping staff to produce and market more environmentally friendly products.

Nicola Gemmill is currently gaining experience of greenkeeping at Elmwood Golf Course, Fife. She would be interested in discussing this project and is contactable on 01505 613350 (answerphone) or via email - nicgemmill@hotmail.com

Manager's special?



The changing face of Turf Maintenance

Why compromise your soil when you can "Restore the Balance" naturally with Biotal Biological Products.

BIOTAL PRODUCTS	
✓	Liquid, easy to use
✓	Non toxic / non corrosive
✓	Promote disease resistance
✓	Strengthen root development
✓	Enhance nutrient utilisation

Our range of Amenity products are the result of over 15 years research and development into microbial and plant extract technology.



RESTORE THE BALANCE

MICROBALANCE - Select the right microbes for your soil

MICROBOOSTER - Boost for compromised soil

BIOFEED - Seaweed extract for Soil or Foliar feed

Use as stand alone treatments or as part of the Restore the Balance Programme.
A proven natural alternative.

Tel: 02920 747 414

Call us today for more information, and put a smile on the face of your turf.



Feed, Boost and Balance your turf with Biotal Environmental Solutions for the Amenity Market.

Biotal Limited, 5 Chiltern Close, Cardiff CF14 5DL.
Tel: (029)20 747414 Fax: (029)20 747140 e-mail: bip@biotal.co.uk

The most cost effective way of reaching readers of Greenkeeper International. Just call Cheryl Broomhead or Diane Bray on 01347 833800 and ask about an alphabetical category listing; the cost starts from as little as £29.50 per month.

1 2 3
KNOW YOUR NUMBERS

Here's your chance to win £50!

Simply look through all the products and services in our guide and name the companies which the following telephone numbers refer to;

- a. 01604 468908
- b. 01626 323420
- c. 01797 252298

Write down your three answers on a postcard and send your entries to:-

Know Your Numbers, Greenkeeper International, BIGGA HOUSE, Aldwark, Alne, York YO61 1UF

Entries to reach us no later than Friday, February 18, 2000. The first correct entry drawn will receive a cheque for £50!

The judges decision is final. No correspondence will be entered into.

This competition is not open to BIGGA staff or non-members.

Last month, Blair Purdie of Drumoig Golf Club, certainly knew his numbers when he correctly identified all three telephone numbers.

Our congratulations and a cheque for £50 are on their way to you!

1 2 3
KNOW YOUR NUMBERS

Advisory Services

SHOULDN'T YOU BE TALKING TO THE STRI?

STRI OFFERS A RANGE OF SERVICES WITH INDEPENDENT ADVICE FOR YOUR GOLF COURSE. ALL SUPPORTED BY OVER 65 YEARS OF TURFGRASS RESEARCH EXPERIENCE.

- Golf Course management and maintenance
- Construction and drainage
- Irrigation
- Architecture and design
- Ecology
- Choice of grasses
- Turf pests and diseases
- Laboratory analysis and testing
- Training and publications

THERE IS AN STRI ADVISOR NEAR YOU

FOR FULL DETAILS CONTACT:

PENNY MORRISROE
 STRI
 ST IVES ESTATE
 BINGLEY
 WEST YORKSHIRE
 BD16 1AU

TEL: 01274 565131
 FAX: 01274 561891
 E-Mail: info@stri.co.uk
 Website: www.stri.co.uk



Amenity Spraying

Talk to the professionals first

Vertidrainage ♦ Aeration ♦ Seeding
 ♦ Fertilising ♦ Top dressing
 ♦ Contact Spraying ♦ All leading brands of seeds, fertilisers & chemicals



Amenity Land Services Ltd
 Long Lane, Wellington
 Telford TF6 6HA

Contact: Ivan Toon, Jonathon Carr, Duncan Burton
 Tel: (01952) 641949 Fax: (01952) 247369



WEED FREE

• Advice • Application • Supply • Training

DRIFT FREE Contract Spraying utilising our purpose built machine

Freephone: 0800 068 08 78
 Fax: 07000 481022
 Car: 0850 300104

Unit 14, Roundshead Drive, Warfield, Berkshire RG42 3RZ
 WEED FREE is a Registered Trade Mark

Boreholes



Craigie, Kilmarnock KA1 5NB

WELL DRILLERS

Specialist in water wells for irrigation. Diving service available. Installation and commissioning of submersible pumps. We supply the full package nationwide.

Tel: 01563 860241
 Fax: 01563 860212

A member of the British Drilling Association

Buildings



THE GREENKEEPER'S CHOICE



- Secure sectional steel buildings in various sizes
- Machinery & equipment storage
 - Fertilizer, weedkiller & seed storage
 - Workshops ● Tool sheds
 - Trolley stores
 - Temporary fencing & secure enclosures

For FREE design service, quotation, brochures and technical advice PHONE NOW

0121 561 5656 (24hrs)
 Garratts Lane, Cradley Heath, West Midlands, B64 5SR
 Fax: 0121 559 0505

Bunker Rakes

MEMBERS BUNKER RAKES FROM ONLY £2.54 EACH

Strong construction complete with replaceable threaded handle

- 12 for £2.99 each
- 50 for £2.69 each
- 100 for £2.54 each

HEAD GREENKEEPER/CHAIRMAN OF GREEN? Send for a FREE SAMPLE

Prices are for complete rakes, delivered free. Rake support pegs - 70p each.

Made in the UK by MW Dyason Ltd,
 6/10 Hitchmead Road,
 Biggleswade, SG18 0NH

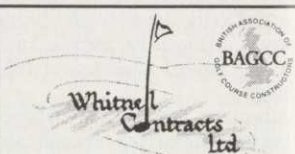
Tel: 01767 317011 Fax: 01767 317186

Construction

J & E ELY GOLF COURSE CONSTRUCTION

Reading, Berks
 Tel/Fax: 0118 9722257

E-mail: ely@btinternet.com



GOLF COURSE CONSTRUCTION

Woodlands, Ellis Road, Boxted,
 Colchester, Essex CO4 5RN
 Tel: (01206) 272834 Fax: (01206) 272104

AW GOLF SERVICES

1. Establishment of New Courses
2. Golf Course Maintenance
3. Machinery Appraisal
4. Temporary qualified staff supplied for major competitions
5. Competitive rates tailored to individual needs.

Contact A. Walker,
 24 Parc-V-Floridd, Carmarthen SA31 3HD
 Tel: 01267 233173

Aeration

KEITH DRIVER (SPORTSTURF CONTRACTOR)

HYDROJECT AERATION AND CHEMICAL INJECTION SERVICE



(WITH NO SURFACE DISTURBANCE)
 A full range of expertly operated turfcare services also available
 Tel: 01273 564015 Mobile: 0958 532008
 8 Morecambe Rd, Brighton, Sussex BN1 6TL

Agromony

B Jamieson Golf Advisors Ltd

Bruce Jamieson Golf Advisors Ltd, is an established company offering expert advice on:

- Golf Course maintenance
- Tournament preparation & presentation
- Machinery selection
- Budgeting
- Staff recruitment
- Soil & turf analysis
- Establishment of new golf courses

Contact: Bruce Jamieson
 Brownlop, 17 Haywarden Place, Hartley Wintney, Hants, RG27 8UA Telephone: 01252 844847

Artificial Grass



EPIC ALL WEATHER SURFACES
 EPIC DRIVING RANGE EQUIPMENT
 DFL GREENKEEPING SUPPLIES
 DFL GOLF COURSE FURNITURE



DRIVING FORCE LEISURE EUROPE LTD.
 TEL: 01795 427333 FAX: 01795 425222



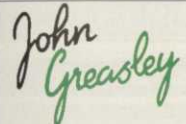
- VERDE TEE FRAME
 Steel platform, woven grass top.
 - VERDE WINTER TEE
 Generous size, self-install kit.
 - VERDE DRIVING MATS
 Top quality - Long Life - Best Prices.
 - ARTIFICIAL GRASSES
 - DRIVING BAYS AND NETS
 For club and home use.
- Available through most reputable course equipment suppliers
 Please call for samples & information

Colour Alert!


CONTOUR
 GOLF • LIMITED
 Construction of new golf development
 and upgrading of existing courses
Tel: 01327 879464
Fax: 01327 705777
 105 The Severn, Daventry,
 Northants NN11 4QS
 Irish Office: 026 47183

Artington
 GOLF LTD
Specialist
Golf Course
Constructors
Telephone/Fax
(023) 9259 2390
Mobile
(0410) 450454


Delta
Golf
 2000 Limited
 ● Construction ● Remodelling
 ● Reservoir Works
Tel: 01604 468908
 180 Ruskin Road, Kingsthorpe,
 Northampton NN2 7TA


John Greasley
 Specialists
 in Golf
 Course
 Construction
JOHN GREASLEY LIMITED
 "Ashfield House" • 1154 Melton Road
 Syston • Leicestershire • LE7 2HB
Tel: 0116 269 6766
Mobile: 0836 553899
Fax: 0116 269 6866


LAND UNIT
 CONSTRUCTION
 Hanslope, Milton Keynes MK19 7BX.
 Tel: 01908 510414 Fax: 01908 511056

Course Equipment

PAR
AIDE
 Wherever
 Golf is Played
 Par Aide UK
 1 Golf Course & Driving Range Equipment
 2 Range Balls 1 pce & 2 pce
 3 Winter Tee Mats
 4 Artificial Grass
 5 Suppliers of Range Servant Equipment
 204 Beeching Park, Waterwright Road, Bexhill on Sea, East Sussex TN39 3UR
Tel: 01424 819008 Fax: 01424 819007

Drainage
White Horse Contractors
Limited

 • Construction
 • Renovation
 • Drainage
 • Irrigation
Tel: 01865 736 272
Fax: 01865 326 176
 Lodge Hill, Abingdon, Oxon OX14 2JD

Drainage.
Sand Slitting.
Vertidrainage.
Established 42 years
ONGAR, ESSEX
01277 890274


SLEATH & SON
SPORTSTURF DRAINAGE
 Full range of modern equipment providing
 UK and European service
Contact Geoff Sleath
Tel/Fax: 01709 862075
Mobile: 0976 751742

GLM Turfcare
 For soil amelioration and
 compaction relief to 55cm depth
Contact James Gibson
Tel: 01694 723815
Fax: 01694 724186

Duncan Ross
 Land Drainage Limited
SPORTSTURF DRAINAGE SPECIALISTS
 ★ Latest Sportsturf trenching machine
 ★ Verti Draining ★ Sand Slitting ★ Overseeding
 ★ Gravel Banding ★ Top dressing
 Design, installation and maintenance service
Tel/Fax: 01257 255321
 Appley Bridge, Wigan, Lancs


M J ABBOTT LIMITED
 Bratch Lane, Dinton, Salisbury, Wiltshire SP3 5EB
Tel: 01722 716361 • Fax: 01722 716828
 Specialists in land drainage,
 golf course construction and
 maintenance

Turfdry
Golf Course Drainage
Specialist
 For fast and friendly UK
 service call:
Melvyn Taylor
 on 01283 551417
 or 0836 259133

IMPORTANT
NOTICE TO
ADVERTISERS
Colour
Alert!
 We are now offering advertisers
 the chance to display their
 Buyers' Guide campaigns in
 full glorious technicolour!
 Create an instant visual impact
 with your advertising, and target the
 largest audience available of any
 fine turf industry magazine.
 Renew your annual Buyers' Guide
 contract today, and for an additional
 20%, your advertisement will be
 designed, and printed in full colour.
Call Cheryl or Diane
now on 01347 833800

Driving Range

RANGE SERVANT
 • BALL DISPENSERS • BALL WASHERS
 • COLLECTORS • ELEVATORS •
 • BLOWER SYSTEMS • MATS •
 • BALL MANAGEMENT SYSTEMS •
 20a Beeching Park, Waterwright Rd, Bexhill on Sea, East Sussex TN39 3UR
 Tel: 01424 819008 Fax: 01424 819007

Fertilisers

Gem
 professional
 we make the difference
 Pro Formula range of fine
 turf & outfield fertilizers
 including our new easy pour
 liquid range
Tel: 0990 133800

Our 10th year supplying biotech solutions

 Thinking about a
 biological programme?
First ask a biologist
 Contact Louisa Farthing BSc
 or Stella Inglethorpe BSc
Tel: 01372 456101
 Email: fineturf@symbio.co.uk

Golf Course Supplies

M.C. & M.A.
STEWART
(HAULAGE) LTD
 A family business established 1969
 BS EN ISO 9002: 1992 Registered Company
 GRAVEL, SAND, SOIL,
 ROOT ZONE, TOP DRESSING,
 WOOD BARK, TRACK MATERIAL
 The independent supplier with the wide product range
 For professional service nationwide contact Rachel
Tel: 01257 792536/792692 Mobile: 0973 426890
 Woodlands, 31 Preston Road, Coppull,
 Chorley, Lancashire PR7 5HS


 • Silver Bunker Sands •
 • Drainage Aggregates •
 • Pathway Materials •
 • Lignite •
WBB Industrial Minerals
 Tel: 01626 323420 • Fax: 01626 323422
 Email: indmin@wbb.co.uk

Golf Mats
LINKS
ALL-WEATHER
GOLF
MATS
 Call now for
 • Pro Tee
 • bays
 • nets
 • signs
 • markers
 • stones
 • bins
 • planters
 • layouts
 Constructed using a robust and durable
 glass reinforced cement base and three
 individually replaceable turf sections -
 which have 12mm rubber shock pad
 backings - the PRO-TEE all-weather golf
 mats are ideal for both course and
 practice ground use.

LINKS
LIMITED
 Unit 21B
 Civic Industrial Park
 Whitchurch,
 Shropshire
 SY13 1TT
Tel: 01948 663002
Fax: 01948 666381

Irrigation

Advanced
Irrigation Ltd
 • IRRIGATION INSTALLATION •
 • DESIGN SPECIALISTS & SUPPLIERS •
 Blakes Cross, Lusk, Co. Dublin, Ireland
 Tel: (01) 8430431 Fax: (01) 8430441


Water Side
 Irrigation Services
 The most professional Design, Supply and
 installation service in the North.
 Trained in Golf Course management, with real
 knowledge of irrigation and Golf Course needs.
 Effortless irrigation with minimum inconvenience.
Call now on: 01405 814889
Mobile: 0421 578828
You'll be amazed where we pop up!

Consult
Watermation
Ltd
 • IRRIGATION SYSTEMS •
 Design Installation Supply Maintenance
Design Supply
Installation
Support

01788 510529

Independent Professional Irrigation

Golf Courses, Bowling Greens, Sports, Racecourses, Gardens +++

Design/Advice
New Installations
Contracting
Supply & Sales

Service Contracts
System Upgrades
PC Systems



Telephone
01765 602175
01765 690598
Fax 01765 603488
Email: Sales@par4.co.uk
www.par4int.u-net.com



B
T
L
I
A

Irrigation Technical Services

Design • Supply • Installation • Service
Pumps & tanks supplied
Moleplough & trencher hire
All leading manufacturers equipment serviced



AREA DEALER

Tel: 01202 87.42.16 Mobile: 0831 24.22.05



*DESIGN *INSTALLATION*
MAINTENANCE

TEL: 01785 812706

Outdoor Furniture

WE DON'T TALK ROT



WEATHERPROOF
OUTDOOR SEATING
ALL WEATHER TEES

MARMAX PRODUCTS LTD
TEL: 01507 450212 FAX: 01507 450061

Pathway Materials



Safety surfacing for the Golf industry
Manufacturers and installers of the
revolutionary rubber safety surface material
used by prestigious Golf Clubs worldwide

For further information call
Freephone 0800 028 2593
or email us at: pro-path@lineone.net

pH Control



pH control and dosing systems for your
irrigation water, for improved turf quality.
Nationwide installation and commissioning
service and advice. Contact Brian Sykes

USF STRANCO

Priority Works, Tonbridge, Kent TN11 0QL
Telephone: 01732 354888 Fax: 01732 354222

Railway Sleepers

LANDSCAPING
GRADE SLEEPERS
SELECTED HARDWOOD

BEST QUALITY
PRICES

ALSO
COCKLESHELL PATH MEDIA
BULK LOADS - DISCOUNTED PRICES
FINETURF PRODUCTS
Tel: 01375 361606

RAILWAY
SLEEPERS

TEL: 01302 888676 FAX: 01302 880547

* WE WILL BEAT *
ANY
GENUINE
QUOTE



* DELIVERY *
ANY AREA
* NO MINIMUM *
ORDER

www.sleeper-supplies.co.uk

Crossing Timbers, 4" x 4" Posts
and Telegraph Poles

QUALITY RAILWAY SLEEPERS

From the only Quality Assured company in the business

Best prices on all grades
(Softwood/Hardwood/Concrete)

CROSSING TIMBERS
12 x 12 BAULK TIMBERS
NEW UNTREATED OAK SLEEPERS

Large stocks nationwide. Immediate delivery, any area



TRACKWORK
LIMITED

UK's Major Supplier since 1975

Tel: 01302 365222 Fax: 01302 341691

Email: info@trackwork.co.uk
Website: www.trackwork.co.uk



Design. Supply.
Installation.
Service.

Established 42 years
ONGAR, ESSEX
01277 890274



Cameron IRRIGATION

Suppliers of Irrigation Equipment to Golf Courses,
Bowling Greens, Landscapes, Horticulture.
• Manufacturers of Irrigation Equipment
• Existing systems renovated and upgraded
DESIGN - INSTALLATION - SERVICE
Call now for your irrigation needs

Cameron Macpenny

Unit 17-18, Highdown Ind Est, Ringwood, Hants BH24 1ND
Tel: 01425 474614 Fax: 01425 471296

Autoflow Systems

CALL NOW FOR ALL YOUR
WATER REQUIREMENTS ON

SPORTS GROUNDS, GOLF COURSES,
BOWLING GREENS, COMMERCIAL
LANDSCAPING, PRIVATE GARDENS

TEL: 01603 759701 FAX: 01603 758200

AUTO HOUSE, ASHTREE WORKS, MILL ROAD,
BARNHAM BROOM, NORFOLK NR9 4DE

YOUR COMPLETE INDEPENDANT IRRIGATION SPECIALIST



Consulting Engineers Ltd

INDEPENDENT IRRIGATION CONSULTANTS
& PROJECT MANAGERS

Head Office: Tel/Fax: 01283 711864
Southern Office: 01483 278416
Scottish Office: 01259 742447
E-mail: wardle@avnet.co.uk

I.L.S. IRRIGATION SYSTEMS & EQUIPMENT

- Contact us for irrigation installation service ●
- Up-dates ● Equipment

sales
I.L.S. Irrigation, Oundle Road, Luton,
Peterborough PE8 5ND.

Tel: 01832 272450
Fax: 01832 272191

British Turf & Landscape Irrigation Association

"Quality by Association"



Our aim is to ensure you
have the best possible
irrigation system so we
constantly monitor, maintain
and raise the standards of
BTLIA members.

For a full list of members
contact David Halford

Tel: 01995 640611 or
Fax: 01995 640842

Glen Farrow IRRIGATION

Watering systems
for sports and leisure grounds
Designed • Supplied • Installed



Tel: 01775 - 722327

Fax: 01775 - 725444

Lake Construction/Liners

WATERPROOFING SERVICES

POND & LAKE
LINING SPECIALISTS

CONTACT US ON:
TEL: 01582 471723
FAX: 01525 261103

E-MAIL: info@waterproofingservices.com



Liners for lakes, ponds and
storage lagoons from the
UK's leading contractor

Comprehensive advice
regarding design and
construction of water areas

Detailed brochure available on request

GT Ltd, Wiston Road, Nayland,
Colchester, Essex CO6 4TL
Tel: 01206 262676 Fax: 01206 262998

Machinery

ETC GRASS
MACHINERY

Large selection of new and
second hand Turf Maintenance
Machinery in stock.

FREE DELIVERY IN UK.
Warranty given. Also interested in
purchasing surplus machines.

Tel/Fax: 01829 720280
Mobile: 0378 063418

Mycorrhiza

NEW Mycorrhiza for turf
The essential
start for new
greens.



Transforms existing greens.
Apply as Seed Coat or Inoculant

See us at Harrogate
Tel: 01372 456101 Fax: 01372 456099

York & Martin GOLF IRRIGATION CONSULTANTS

Speak to Europe's most experienced,
independent consultants for objective,
unbiased advice, before deciding

YORK & MARTIN
PO BOX 1192 FORDINGBRIDGE
HANTS, SP6 1YD, U.K.

Tel. 01425 652087 Fax. 01425 652476

M J ABBOTT LIMITED

Design, supply and installation of
RAIN BIRD
Irrigation Systems

Tel: 01722 716361

OCMIS IRRIGATION

Design, Manufacture,
Supply, Installation
& Service.

Ocmis specialise in Irrigation
Systems for Golf Courses,
Sportsgrounds, Recreational,
Amenity & Landscape Areas.

For further information contact:

HEAD OFFICE SCOTTISH OFFICE
01460 0131
241939 2202102

OAKDALE



Golf Course and Sports Turf Irrigation:
Design - Installation - Maintenance • Annual
Service Contracts • New Installations - System
Upgrades - Fully automated PC systems
Independent Installers of Hunter - Logic -
Toro Irrigation Equipment

Tel: 01427 874200 Mobile: 0860 542616
Fax: 01427 875333

http://www.sverco.co.uk/turfs/irrigation/ e-mail: enquiries@oakdale.sverco.co.uk

Root Zone

Great sport is built on

TopSport

National suppliers of sports surface materials:

- Sand • Rootzones • Pathway Materials
- Loksand • Drainage Aggregates

For further details telephone

01298 213740

Tarmac

MIDDLETON AGGREGATES LTD

Suppliers of Quality Topsoils, Root Zone and Sand at competitive rates

Tel: 01553 841044
Fax: 01553 841837

TOPDRESSING SANDS GRADED SOILS • ROOTZONES DRAINAGE & SUB-BASE MATERIALS

Freephone Sam on

0800 731 7450

Alan Hadley Limited

Fenton House, 102 Grazeley Road, Three Mile Cross, Berks RG7 1BU

- FENDRESS Rootzone to USGA • Economy Rootzone • Divot Mixes

NATIONWIDE DELIVERIES FROM 5 DEPOTS

Call: Banks Amenity Products Ltd

Tel: 01858 464346/433003

Sports Netting

TILDENET

Contact your local distributor or call the Tildenet Sports Department for further information
0117 966 9684

- Teaching Golf Net & Frame

PRONET

- Target Greens
- Anti-ball Plugging Nets
- Padded & Net Bay Dividers
- Bunker Membrane
- Perimeter Fencing
- Ball-stop Net
- Grass Germination

GREENSHIELD

- Anti-dazzle Netting
- Water Hog

Tee Mats



- Suppliers of The Dunlop Winter Tee & Practice Mat
- Golf Course Furniture
- Driving Range & Practice Ground Equipment
- Flooring & Pathways

Tel: 01704 571271

Fax: 01704 571272

Colour Alert!

TUFTURF ARTIFICIAL GRASS TEE MATS, CARRYMATS AND PUTTING SURFACES FROM CARPETITION LTD

14 Kaffir Road, Edgerton, Huddersfield HD2 2AN

Tel: (01484) 428777 Fax: (01484) 423251

Colour Alert!

Top Dressings

BL BOUGHTON LOAM LTD

Telford Way, Kettering, Northants

Tel: 01536 510515

for

- Turf Dressing
- Root Zone Mixes
- Screened Top Soils
- Bunker Sands
- Horticultural Composts

"Pre-germinated grass seed"

"Liquid Sod" Spray-on grass

- Herbicides
- Grass Seed
- Fertilisers

Turf Management Systems

Dromagh Farm, Sevenhills Road, Iverheath, Bucks, SL0 0PA

Tel: 01895 834411

SOIL TECHNOLOGY RUFFORD

BRITAIN'S NO 1 FOR QUALITY AND SERVICE TOP DRESSING • CONSTRUCTION ROOT ZONES

SANDS • GRAVELS • GRASS SEED SOIL • PATHWAY MATERIALS

Eaton Hall Quarry, Manchester Rd, Congleton, Cheshire CW12 2LU

Tel: 01260 281801

Sole manufacturers of FENDRESS™ & FENDRESS GREENTOP™

Superior, Consistent Top Dressings at AFFORDABLE PRICES

Call: Banks Amenity Products Ltd

Tel: 01858 464346/433003

Soil Shredders / Mixers Screeners

Make valuable compost and dressings on site. Wide range of models available.

sisis Tel: 01625 503030
Fax: 01625 427426

SISIS EQUIPMENT (Macclesfield) LTD

Tractors

MOTOKOV UK Ltd, Bergen Way, Kings Lynn, Norfolk PE30 2JH

Landini

Mistral

(37-47HP)

From £9,900+VAT



- Powered by Yanmar Diesel
- Sensibly priced
- 540/750 Groundspeed PTO
- Excellent manoeuvrability
- Interest-free Finance
- Electro hydraulic Twin Diff Lock
- Turf tyres available

Tel: 01553 81700 Fax: 01553 691201

TRACTORS AT REALISTIC PRICES

Trees

TREES TREES TREES

For everything to do with trees in the golfing landscape, planning to planting, felling and grant applications. Long term maintenance programmes and management plans for the Millennium. Nationwide.

DOLLAR - DURHAM - RETFORD - CHESTER
EAMONN WALL & CO
WOODLAND DESIGN AND MANAGEMENT
TEL: 01259 743212 FAX: 01259 743073



GROWERS OF TREES

THE TREE CARRIAGE COMPANY

Court Gate Nursery, Eckington, Pershore, Worcs WR10 3BB

Tel: 01386 750585 Fax: 01386 750197



NATURE first

Nature First Ltd.
Wood Lane Nursery
Down Hatherley
Gloucester
GL2 9QB

Tel: 01452 731199
Fax: 01452 731131
Email: trees@streetfirst-uk.com

BIG TREES

Vast range of semi-mature and heavy standard trees available from our nurseries. Nationwide planting service if required.

TREE MOVING

Move your own trees at a fraction of the cost with our fleet of modern tree spades.

Turf

NORTH WEST TURF

QUALITY SEEDED TURF GROWERS

- Greens Turf
- Tees Turf
- Revetting Turf
- Next day nationwide delivery

All grown on beautiful sandy soil and TGA approved turf

TEL: 01695 422144

Greens Turf

Grown on top quality USGA spec root zone & maintained at 6mm completely chemical free

Bent/Fescue or Creeping Bent
AGATES NURSERY FARM

Tel: 0118 932 4910 Fax: 0118 932 4913

Q Lawns

Growers of Quality Turf

Q Master (no ryegrass) for Golf Greens, Croquet Lawns

Q Lawn (with ryegrass) for General Landscaping & Retail

Quality Service with next day Nationwide Deliveries

Quality Fair Prices – No Hidden Costs

Tel: 0845 70 23 979
Fax: 01842 827911

ISO 9002 - TGA certified turf
Official Suppliers to
Royal Botanic Gardens KEW

www.qlawns.co.uk

Email: sales@qlawns.co.uk

INTURF

Turf Growers and Innovators of Turfgrass Systems

The Chestnuts, Wilberfoss, York, YO41 5NT

Tel: 01759 321000

Fax: 01759 380130

e-mail: info@inturf.co.uk

TT ProTurf

GROWERS AND SUPPLIERS OF QUALITY CULTIVATED TEES, GREENS AND AMENITY TURF COUNTRYWIDE

TEL: 01427 890797

FAX: 01427 891785

Email: info@proturf.co.uk

TT ProTurf Ltd

NORTH CARR FARM, WEST STOCKWITH, NR DONCASTER, SOUTH YORKSHIRE DN10 4BD

Turf Dressings

Gem professional
we make the difference

Pro Formula quality fine turf dressings, rootzones & divot mixes

Tel: 0990 133800

BAILEY'S OF NORFOLK

☆ GOLF TURF DRESSINGS ☆ SAND ☆

☆ SCREENED TOP SOIL ☆ FEN SOIL

Deliveries Nationwide

BAILEY'S OF NORFOLK

Tel: 01603 754607

Turf Dressings

BOURNE AMENITY

Manufacturers of quality dressings, including green organic, fensoll & loams, for fairways, greens & tees, in loads of all sizes

Serving the South of England.

Tel: (01797) 252298 Fax: (01797) 253115

Vertidrain Hire

WORTH DRAINING

VERTIDRAINING and HOLLOW CORING HIRE

Distance no object

Contact Peter Bloodworth

Cornbecks Farm, Inham, Grantham,
Lincolnshire. Tel/Fax: 01476 550226

or Paul Simpson, Manager

Tel: 01476 585 549 Mobile: 0797 450 4793

PETER MANNINGTON



Specialist Verti-Drain Contractor for the South
For greens, tees, fairways and sportsgrounds

Experienced operator, competitive prices and reliable service

Tel/Fax Peter on 01580 861211

or Mobile 0850 612061

1 White Horse Cottages, Silverhill, Hurst Green,
Etchingham, East Sussex TN19 7QA

CONTACT THE PROFESSIONALS

FREEPHONE 0500 432 120

OR 0780 125 6767

DAY OR NIGHT

FOR ALL TYPES OF AERATION,
CULTIVATION AND SEEDING,
CONTACT MICHAEL SEWARD AT
SEWARD TURF MAINTENANCE
YORK

Classified

**The deadline for inclusion in the March 2000
Classified section, is Friday, February 18, 2000**

Machinery For Sale

SISIS DIRECT

Various SISIS S/H aerators, scarifiers, top-dressers,
sweepers, seeders, etc. refurbished by the manufacturer.
Stock constantly changing - phone for details and prices.

**Also extensive range of hire equipment including stone
removers, trenchers, aerators, seeders, top dressers, etc.**

Phone 01625 503030

Job Shop

Highly motivated pro-active Course
Manager with 22 years experience
(10 as Course Manager) seeks a new
and challenging position in the South
East. Qualified up to City and Guilds
Level 4 plus spraying and chainsaw
certificates and D32/D33 assessors
certificates. Experience of
construction, irrigation installation
and servicing and machinery
maintenance and repair. Competent
in the formulation of budgets, and
health and safety. A capable
manager of staff and resources.

JS/109/00

24 year old. Currently employed
as an Assistant Greenkeeper
with over five years experience.
Seeking new position as First
Assistant/Deputy Head
greenkeeper. HND in Turf
Science with spraying and
irrigation certificates.
Qualified first aider. Willing
to move to any location.

JS/110/00

FOR SALE

Jacobsen Tri-king 1672 D
- 900 hours - 1996
One of two used on privately owned
9 hole course. Fully serviced and ready
for work - £4950 plus VAT
For details please telephone:-
01257 276652 (daytime answerphone)
or 01257 232800

Trees

FAST-GROWING TREES

Growth of 6-8 feet per year
For rapid improvement to new
and developing Gof Courses

Hybrid Poplars used for specimen and group plantings
to make handsome trees and perimeter windbreaks.

Hybrid Willows used for screens, hedges, wind-
breaks, and dense cover on course.

**Both are tolerant of poor soils and sites
and require little post-planting care.**

**All sizes available from 12 inch slips to
8 foot well-rooted trees.**

**Prices including delivery from £42 per 100,
or £380 per 1000**

**Free information pack and advice without
obligation Phone Gordon Hill on
01404 812229 or Fax on 01404 815800
Bowhayes Farm, Venn Ottery, Devon, EX11 1RX
Website: www.bowhayesfarm.co.uk**

Classified Information

Do you have a machine that is
surplus to your requirements?
Or are you wanting to buy that
specific piece of equipment, but
don't quite know where to find it?
Then why not advertise your
Sales and/or Wants in
Greenkeeper International's
Classified section?

Greenkeeper INTERNATIONAL

For as little as £57, your boxed
advert will be seen by over 10,000
readers of this award winning
publication. Simply complete the
order form on the right (in block
capitals please), not forgetting to
include your name, address and
telephone or fax number.

Upon receipt, your order will be
acknowledged by telephone or
fax, along with details of the cost
and publication date of the next
edition.
Remember, send no money now,
an invoice will be raised after
publication.

					Name
				
					Club/Company
				
					Address.....
				
				
				
				
				
				
					Tel:.....
					Fax:
					Email:

Send your completed order form to: Cheryl Broomhead, Greenkeeper International, BIGGA
HOUSE, Aldwark, Alne, York YO61 1UF, or alternatively fax the form to us on 01347 833802

**Greenkeeper
INTERNATIONAL**



VEJLE GOLF CLUB – DENMARK

HEAD GREENKEEPER

APPLICATIONS ARE INVITED FOR THE
ABOVE POSITION

Vejle Golf Club is one of Denmark's most renowned course situated in the Munkebjerg Forest. The position of Head Greenkeeper becomes vacant in April 2000, due to the retirement of our present Greenkeeper after 28 years.

The primary responsibilities of this very much "hands on" position are as follows

- Experienced and qualified in all aspects of modern greenkeeping
- Be self motivated with good/proven man management skills
- A good working knowledge of modern golf course management practices and techniques, with an ability to work on and within the financial budgets of the Club.
- Sound knowledge of health and safety obligations.

Please apply in writing with full cv to:

Vejle Golf Club, Ibaekvej 46, 7100 Vejle, DENMARK

Att. Manager – Henrik Hansen

Vejle Golf Club has 27 holes, part 3 course, driving range and 2 putting greens. Accommodation is available on the course.

Belton Park Golf Club

Applications are invited for the position of

HEAD GREENKEEPER

The club, a parkland 27 hole course founded in 1890, requires a successor to the head greenkeeper who is retiring after 25 years.

The position will require a hands on, hard working self motivated person with the necessary man management skills, health and safety knowledge to lead a 6 man team working to approved standards and budgets.

The club is preferably looking for someone experienced in computer controlled irrigation (the course has recently been fully irrigated) and a knowledge of modern machinery and techniques.

The salary is negotiable. No accommodation, but some assistance with re-location expenses will be met.

Applications in writing with current C.V. by
15th March 2000 to:

The Secretary, Belton Park Golf Club,
Londonthorpe Road, Grantham, Lincs. NG31 9SH

British and International Golf Greenkeepers Association

is looking to appoint a

REGIONAL ADMINISTRATOR

(part-time)

in the MIDLAND REGION

The successful candidate will cover the Midland Region with responsibilities for the East Midland, Midland, East of England, Berks/Bucks/Oxon and Mid-Anglia Sections where there are currently 1175 members.

Applicants should possess sound administration and communication skills whilst being able to demonstrate computer literacy. In addition to serving the needs of the Regional Board, a positive contribution to promoting the Association and the welfare of greenkeepers will be required.

The post holder will be expected to display initiative and enthusiasm particularly in the drive to introduce new members. Regular contact with golf clubs and greenkeeping staff will be an essential element of the post. Ideally applicants should be able to display an affinity with the greenkeeping profession and the game of golf.

It is envisaged that the average working week will be 27.5 hours and the post will be home based. A job description and further details are available from the Executive Director, BIGGA, BIGGA House, Aldwark, Alne, York YO61 1UF.
Telephone 01347 833800 Fax 01347 833801





Mere Golf & Country Club DEPUTY COURSE MANAGER

Applications are invited for the above position at this prestigious James Braid/George Duncan designed 18 hole Championship parkland course.

The requirements for the Deputy Course Manager are:-

- Minimum of 8 years experience
- Holder of relevant qualifications, including PA1, PA2 and PA6 spraying certificates.
- Knowledge of automatic irrigation systems
- Computer literate
- Able to produce work to a high standard
- Self-motivated and ambitious
- Able to manage, motivate and train staff at all levels to precise working practices.
- Able to work to current Health and Safety regulations.
- A good communicator
- Able to integrate well into an established team environment
- Ability to deputise in the Course Manager's absence

EXPERIENCED MECHANIC/GREENKEEPER

The requirements for the Mechanic/Greenkeeper are:-

- Ability to repair and maintain a variety of Course Maintenance equipment.
- Work to current Health and Safety Regulations
- Ability to control stock and work to set budgets
- Able to work to service schedules
- Self motivated
- Ability to work alone or in a team
- Able to assist with Greenkeeping duties when required.

Applications in writing with full CV by 13 March to:
Mr MA Sheehan, Operations Director
Chester Road, Mere, Knutsford,
Cheshire, WA16 6LJ



INVESTOR IN PEOPLE



Requires a

COURSE MANAGER/HEAD GREENKEEPER

Founded in 1904 and recently reconstructed under the design of Cameron Sinclair, Blankney is an 18 hole Proprietary course of 6638 yards SSS 73, with 700 members. This parkland course is situated 10 miles from Lincoln in the heart of rural Lincolnshire.

The position requires an outstanding candidate, self motivated with the skills to lead a team of five, in all aspects of maintenance and development of the course.

The successful applicant will have demonstrated a full understanding of greens and golf course management supported by qualifications and previous experience.

Salary and Terms of Employment negotiable.
Accommodation available if required.

Applications in writing including full CV to:

The General Manager/Secretary
Blankney Golf Club, Blankney, Lincoln, LN4 3AZ

Closing date: 10 March 2000

SUTTON GREEN GOLF CLUB

Require an

ASSISTANT GREENKEEPER

We are looking for an enthusiastic and hard working greenkeeper to join our existing team.

NVQ Level 2 along with PA1A, PA2 and PA6 qualifications preferred.

Apply in writing with full CV to:

Nathan Kimsing, Head Greenkeeper
Sutton Green Golf Club, New Lane, Sutton Green, Surrey GU4 7QF

THE YORK GOLF CLUB

requires a

DEPUTY HEAD GREENKEEPER

Applicants will have at least five years experience in all aspects of greenkeeping. A thorough knowledge of machinery and water irrigation systems are essential.

Qualifications up to NVQ Level 3 preferred. Also spraying qualifications PA1, PA2 and PA6. Chain saw certificate would be an advantage. The successful applicant will be required to take over all the duties of the Head Greenkeeper in his absence. Early morning weekend working is essential. Salary negotiable.

Apply in writing to: The Chairman of Greens, The York Golf Club,
Lords Moor Lane, Strensall, York YO32 5XF

Golf Club Herford e.V.

Enthusiastic and self-motivated **Greenkeeper** required to maintain a 9 hole course in Germany between Hannover and Dortmund.

The successful applicant must have a good approach to modern greenkeeping and a good working knowledge of machine maintenance.

As we are anxious to fill this position, applicants should preferably be able to take up the role middle to the end of March. This is a long term employment and is an ideal opportunity for your first Head Greenkeeper's position.

Salary is negotiable.

Accommodation possible.

Please apply in writing or fax with your CV to:

The President, Golf Club Herford e.V. Tel: 00 49 5228 7434
Heideholz 8 Fax: 00 49 5228 989 366
32602 Viotho-Exter
Germany



St Edwards Leisure UK Ltd
Crowlands Heath Golf Club

AMBITIOUS ASSISTANT GREENKEEPER

To join this dynamic golf course development company in the 'growing in' and development of our 9 Hole USGA spec course in Dagenham, Essex, due to open in June.

We have other projects in progress and career prospects for dedicated career minded individuals are excellent.

If you have NVQ2 with 3 years experience, a strong will to succeed and an open mind toward learning new methods, please apply to:

Jeff Robinson
COURSE MANAGER
St Edwards Leisure UK Ltd
Sawtrees Manor
Cold Christmas Lane
Thundridge
Herts SG12 7SP