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NATURALLY AMAZING RESULTS GUARANTEED

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THE
GRASS ROOTS
TRADING COMPANY LTD

Unit 8, Carlo Court, Marino Way, Hogwood Industrial Estate, Farbridge, Wokingham, Berkshire RG40 4RF
Tel: 0118 973 6600 Fax: 0118 973 6677 E-mail: james.bennett1@virgin.net
Welcome to the third and final part of this exciting competition, which is your last chance to win an all expenses trip to Harrogate, the host of BTME 99. Over 170 exhibitors are set to promote their products and services at next year’s BIGGA Turf Management Exhibition featuring the Learning Experience. Judging by the response to this year’s show, it looks as though visitor attendance figures are set to break all records once again!

Well what are you waiting for? Here are the final and most challenging of the six questions featured over the last couple of months. Simply complete the form below and return it to us no later than 31st October 1998.

October Questions:
1. Which Golf Club won two of BIGGA’s major competitions in 1997?

2. Who sponsored the BIGGA Golf Day in June this year?

And just a reminder for the August questions:
1. What date does the BIGGA Turf Management Exhibition start?

2. What date does then BIGGA National Education Conference start?

September Questions:
1. Name the new workshop for 1999

2. What is the name of BIGGA’s Education & Training Assistant?

First Prize Return rail travel from anywhere in the UK plus three nights accommodation at a top hotel in Harrogate and entry into all the education seminar sessions.
Second Prize Return rail travel from anywhere in the UK plus two nights accommodation at a top hotel in Harrogate and entry into all the education seminar sessions.
Third Prize Return rail travel from anywhere in the UK plus one nights accommodation at a top hotel in Harrogate and entry into all the education seminar sessions.

Name
Address
Tel
GC/Co/

Send your completed entry form to: BTME Competition, BIGGA, Aldwark Manor, Aldwark, York, YO6 2NF. The first three correct entries will win the prizes. Judges decision is final.
John Nicholson of Eamonn Wall & Co reviews the grants available to golf clubs for the planting and management of trees

Trees often form an integral part of both the strategy and landscape of a golf course and yet both the management and planting of trees are frequently viewed by golf clubs as of minor importance.

Subsequently, new tree planting is often undertaken by one well-intentioned individual who views the golf course as an extension to his own garden. The results of this are all too often evident when visiting courses. Flowering cherries and other exotic species abound and once established it becomes very difficult to rectify such problems as club house politics dictate no tree should ever be removed, no matter how many replacements are planted.

It is therefore essential when undertaking tree planting schemes, of any size, to take advice and to plant in keeping with the existing landscape character of the course. Similarly, where courses have existing woodland, management will be required in order to create sustainable woodland and to protect the strategy of the golf course.

It is therefore advisable to take expert advice from the outset, this course of action is however often curtailed as it is thought to be expensive. But to quote Dr Alister MacKenzie, 1920, Golf Architecture "Perhaps the most serious mistake made by golf committees is the fallacy that they will save money by neglecting to get expert advice."

This statement manifests itself in a number of ways regarding trees. Firstly, careful planning is required to avoid the future problems with turf management factors such as air circulation, sunlight penetration, water uptake and rooting habit have to be taken into account at design stage otherwise the trees which are planted and maintained for a number of years will then have to be removed.

Secondly, suitable species to suit the soil and climate of the area need to be used if successful establishment is to be achieved.

Finally, planting and management costs can often be offset by grants from various organisations. Listed below are guidelines to some of the grants available for both new planting and the management of existing woodland.
The Forestry Authority Woodland Grant Scheme

<table>
<thead>
<tr>
<th>Planting Grants</th>
<th>Broadleaves</th>
<th>Conifers</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 10ha</td>
<td>£1350/ha</td>
<td>£700/ha</td>
<td>Min spacing 3m*</td>
</tr>
<tr>
<td>More than 10ha</td>
<td>£1650/ha</td>
<td>£700/ha</td>
<td>70% paid after planting**</td>
</tr>
</tbody>
</table>

* min area 0.1ha - 0.25ha * min width 15m ** 30% paid after five years

New Planting
The basic new planting grant is paid in two instalments - 70% when planting is finished and 30% after six months. The successful establishment is achieved (although your contractual agreement is over 10 years). Allied to this grant are a number of supplements which are aimed at encouraging planting in priority areas.

Better Land Supplement - £600/ha
This grant could apply to either new golf courses or courses which are extending onto new agricultural land. The land to be developed must be either "arable land" or "improved grassland" and must have been in agricultural use for the previous three years and be of that designation at the time of the initial inspection by the Forestry Authority.

Community Woodland Supplement - £950/ha
This may be applicable to golf courses which have a public footpath or bridleway crossing through areas of potential new planting. The aim of the grant is to encourage public access to new woodlands. This is, of course, in contradiction to most golf club's policies where safety dictates discouraging access. However, if the access is already there, then why not take advantage of the grants available, using the new planting to screen and protect the public right of way.

It may also be necessary to waymark the route of the path with "Walkers Welcome" signs provided by the Forestry Authority or to offer the use of car parking facilities to the public. This grant may or may not be applicable to individual golf courses but at £950/ha is particularly lucrative.

To be eligible for CWS, the new planting must be within five miles of a conurbation where there are few other woodlands available for recreation.

The payment is normally made with the first instalment of the new planting grant.

Locational Supplement - £600/ha
The aim of this grant is to encourage planting in target areas, particularly Community Forests.

Payments are made with the first instalment of the establishment grant.

The grants are awarded on a discretionary basis, with different criteria being used in different areas.

Case Studies
- Balbirnie Park, Fife - Grant of £2950 for managing 14ha of small woods over five years.
- Roseberry Grange, Durham - 19000 trees planted, 72% grant.
- Brookdale, Manchester - 6000 trees planted, 47% grant.
- Hadley Wood, London - 1100 trees planted, 40% grant.
- Grant of £4125 for managing 23ha of woodland over five years.

Existing Woodland
Natural Regeneration Grant
Natural regeneration provides an alternative to new planting in areas of existing woodland. The grant falls into two categories.

- a discretionary payment of 50% of the agreed costs of work necessary to encourage natural regeneration (paid on completion of work).
- a fixed payment of £325/ha for conifers, £525/broadleaves once re-stocking has occurred at the appropriate density.

Annual Management Grant - £35/ha per annum for five years
Annual Management Grant is intended to help towards some of the costs of the work required to maintain and improve existing woodlands.

Payment of Grant
For woods under five ha the payments is in a lump sum in year two once the work is complete. For areas over five ha the grant is paid annually for a period of five years.

Woodland Improvement Grant
WIG is available in specific areas of the country over a limited period of time. It is paid to bring certain types of woodland back into management or where work will improve the conservation, landscape or recreational value of the site. It is a discretionary payment of 50% of aged costs.

Summary
To date we have been able to secure grant aid for over 50 clubs ranging from Aberdeen to London. Net cost varying from £1,000 to £9,000.

Other Grants
Other grants may be available from sources such as MAFF, The Countryside Commission and local authorities.
MASSIVE SAVINGS ON EX-DEMONSTRATION & USED MACHINERY!

Ransomes T-Plex 185, 240 hrs £8950
Ransomes T-Plex 285, 40 hrs £9950
Fully reconditioned LF3810 4WD, 899 hrs, MASSIVE SAVING! £19500

Charterhouse Bulk Dresser, New price £11,000, fully reconditioned £6950 SAVE £4000!

Ex-Oem Cushman GA60 aerator, 40 hrs, R.R.P. £18,610 ONLY £8950
Ex-Dem Ransomes Fairway 405, only 148 hrs R.R.P. £34,050 ONLY £23,950
Ex-Dem Ransomes E-Plex, SAVE £6000 ONLY £7950!

Kubota B1750, 74 hrs "as new" £8950
Kubota ST30, 445 hrs only £8750
Ex-Dem Ransomes Fairway 250, 40 hrs R.R.P. £26,630 ONLY £14,950

Toro hydroject 3000 £10,450
Toro Greens Aerator £5950
Toro GM32000, low hours £12,500

Ex-Dem Cushman GA60 aerator, 40 hrs, R.R.P. £18,610 ONLY £8950
Selection of Ransomes 213's P.O.A.

Ryan GA30, low hours, £7950
Moore Uni Drill, very little used £7950
Case 246, only 924 hours £9950

Kubota ST30, 445 hrs only £8750

AFT Wizz Wheel with laser leveler £3450
Dual Use backfilling hopper £2950
Gannon Aeravator 60" overseeder £3850
Huxley TV36 fine turf scarifier collector, very little used £1850

Ex-Dem Proseeder combined overseeder and topdresser £2750
Huxley TV36 fine turf scarifier collector, very little used £1850

Kubota 81750,74 hrs "as new" £6950
Kubota ST30, 445 hrs only £8750
Dennis 36" diesel and Mastiff P.O.A.

Eaton 6 leg vibrating mole £4950 Twose 3 leg £1250
Ex-Dem Ransomes Fairway 405, only 148 hrs R.R.P. £34,050 ONLY £23,950

TRUESURFACE®
Kubota ST30, 445 hrs only £8750
Dennis 36" diesel and Mastiff P.O.A.

ITM...makes true greens.

DO YOU WANT TRUE GREENS?

As used by: St Andrews, Gleneagles, Carnoustie, Royal Birkdale etc. Phone for a Demo!

GREENSWARD DIRECT
Manor Farm, Otley Road, Adel, Leeds, LS16 7AL, England 0113 267 6000
Ken Richardson gives a last minute run down of the courses and educational opportunities still available to you.

Golf Course Design, Construction and Establishment
Presented by Howard Swan and Simon Gelmon
This two day workshop is based on the highly successful workshop at Harrogate and includes some theory but is largely hands on with delegates producing a detailed design of greens, tees, irrigation and drainage.
Places are still available for the incredibly low price of £300 + VAT (£363.75) at
Inchyre Lodge Hotel Falkirk on 13 & 14 October 1998
Lakeside Motor House, Greys, Essex on 10 & 11 November 1998
Berrington Hall Hotel, Powys on 8 & 9 November 1998
Swansea Marriott on 10 & 11 December 1998

Project Management
Presented by Brin Bendon from Vector Training
This two day course is a must for all greenkeepers involved in planning and controlling major course projects. The course includes information to help you plan, monitor, cost and control projects large or small.
Places are still available for the incredibly low price of £300 + VAT (£363.75) at
Weston Hotel, Weston Favell, Northampton on 8 & 9 December 1998

Pesticide Management
Presented by Douglas Shearer
Do you know how to select and specify the right pesticides for a particular task?
Do you understand the requirements for storage, application and disposal? Are you comfortable with this?
Find out by attending this two day course.
Places are still available for the incredibly low price of £300 + VAT (£363.75) at

Irrigation Workshop
Presented by David Halford and members of the British Turf and Landscape Irrigation Association.
The workshop at Walsall on 24/25 November 1998 is now FULL. This workshop will be presented again in the Majestic Hotel at Harrogate on 18/19 January 1999. See the Learning Experience brochure for full details.

Essential Supervisory Management Skills
Presented by Brin Bendon from Vector Training
This two day workshop, which gives essential skills and knowledge for all greenkeepers who are or are about to become supervisors, has proved to be so popular that we have had to arrange a second course. Be sure to apply today if you want to make sure of your place.
Places are available for the incredibly low price of £300 + VAT (£363.75) at
Queens Hotel, Chester on 1 & 2 December 1998.

Interviewing Skills
Presented by Brin Bendon
This one day course will give you hints and techniques that you can use when interviewing new staff and prepare you to be interviewed for your next job.

Places are still available for the incredibly low price of £300 + VAT (£363.75) at
Inchyre Grange Hotel Falkirk on 16 February 1999.

Report Writing 1 and 2
Presented by Frank Newberry or Brin Bendon
Learn the techniques of business English, preparation and presentation methods on Report Writing 1 then return to see how to put the techniques into practice on Report Writing 2.
Places are still available for the incredibly low price of £300 + VAT (£363.75) per day at
Alldwick Manor on 29 October 1998 and 10 February 1999 - Brin Bendon
Fort Pincott, Maidstone on 18 November 1998 and 23 February 1999 - Frank Newberry
Watermill Hotel, Hemel Hempstead on 3 December 1998 - Frank Newberry

Employment Contracts
Presented by Frank Newberry
Do you or your staff have contracts? Do you know what should be included? Do you know what your rights are? Find out by attending this one day course.
Places are still available for the incredibly low price of £300 + VAT (£363.75) per day at
Castle Hotel Taunton on 11 November 1998

Health and Safety 1 and 2
Presented by Tony Rees
Find out how to assess hazards, conduct risk assessments, understand the Health and Safety at Work Act and how to stay within the Law on Health and Safety 1 then return and see how to produce the relevant documentation on Health and Safety 2.
Places are still available for the incredibly low price of £300 + VAT (£363.75) per day at
Castle Hotel Taunton on 3 November 1998 and 23 February 1999.
Swanley Hotel, Swanley on 24 November 1998 and 16 February 1999.
Presented by Douglas Shearer at Inchyre Grange Hotel, Falkirk on 1 December 1998 and 9 February 1999.

Alldwick Manor Supervisory Management Courses
A limited number of places are still available on this year's Alldwick Manor Supervisory Management Courses. Weeks 1 to 4 introduce you to a wide range of supervisory management skills and Week 6 covers Irrigation and Drainage Management. All courses are linked to N/SVQ Level 3 Sportsturf Maintenance and N/SVQ Level 4 in Sportsturf Management. Presented for the fifth year by Brin Bendon and for the first time by members of the British Turf and Landscape Irrigation Association and Land Drainage Contractors Association. These courses are excellent value for money especially as all training will take place in the Training Room in BIGCA's new head quarters and accommodation will be in the newly refurbished Alldwick Manor Hotel.

The cost for all training accommodation for four nights and all food is £500 + VAT (£597.50)
**T.G.A. APPROVED TURF QUALITY STANDARDS**

**DECLARATION OF TURF CHARACTERISTICS**

**Company Name:** Sovereign Turf

**Field Identification:** 121A

**Grade of Turf:** NEW CENTURY (2)

**Date of Harvest:**

**Date Sown:** 9.9.97

**Assessment Date:** 5.9.98

### Details of seed mixture sown to produce the turf

<table>
<thead>
<tr>
<th>Species</th>
<th>Cultivar</th>
<th>% in mixture (by weight of seed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 CHEWINGS FESCUE</td>
<td>CENTER</td>
<td>40</td>
</tr>
<tr>
<td>2 SLENDER CREEPING RED FESCUE</td>
<td>JUPITER</td>
<td>40</td>
</tr>
<tr>
<td>3 BROWNTOP BENT</td>
<td>HIGHLAND</td>
<td>17.5</td>
</tr>
<tr>
<td>4 BROWNTOP BENT</td>
<td>LANCE</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Soil type:** SANDY LOAM

**Netting present in turf:** Yes

**Weight of turf:** 18 kg

**% turf purity (assessed by quadrat):** 99 %

**Nominal size of turf piece:** 16" X 81"

**This turf has passed the TGA assessments for:**

<table>
<thead>
<tr>
<th>Actual Values</th>
<th>Target Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil thickness (mm)</td>
<td>12</td>
</tr>
<tr>
<td>Thatch thickness (mm)</td>
<td>3</td>
</tr>
<tr>
<td>Height of sward (mm)</td>
<td>25</td>
</tr>
<tr>
<td>Strength</td>
<td>18</td>
</tr>
<tr>
<td>(Number of turves picked up without tearing)</td>
<td>out of 20</td>
</tr>
</tbody>
</table>

**General health of turf:** HEALTHY AND VERY EVEN

**Approximate percentage cover of plant species found in turf (assessed using quadrats):**

<table>
<thead>
<tr>
<th>Species</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 FESCUES</td>
<td>87 %</td>
</tr>
<tr>
<td>2 BENTS</td>
<td>12 %</td>
</tr>
<tr>
<td>3 POA ANNUA</td>
<td>1 %</td>
</tr>
<tr>
<td>4</td>
<td>%</td>
</tr>
</tbody>
</table>

**Notes:** Available now!

*Details of assessment methods available on request*

**Signed:** [Signature]

**Available now!**
No one can accuse John Deere of standing still. Since 1995, we've added 8 quality machines to our line. Another strong statement about our commitment to your business. New this year are the Turf Gator and 220A Walk-Behind Greens Mower.

The Turf Gator's unique combination of toughness and quietness make it perfect for the golf course. Toughness comes from unibody construction and one-piece forged axles. Quietness comes from a large volume silencer, internal sound absorbing material, and golf-car-style transmission.

The 220A is the latest addition to John Deere's quality line of walk-behind greens mowers. 220A improvements include an isolation-mounted engine for reduced vibration, improved operator-presence safety system, and an easier-filling grass box design.

Add superior parts support and our existing line of quality mowers, tractors, aerators, root zone injectors and utility vehicles and you see why John Deere is the fastest growing golf and turf equipment name in the world. Talk with us soon for a first-hand look.
Saltex '98 Review

Saltex '98 as ever produced a variety of weather conditions which would keep even the most voracious meteorological student satisfied. If the more conventional use had been made Windsor Racecourse the going would have been classified as ‘heavy’ but the occasionally torrential rain, coupled with the high winds, did nothing to blow away or dampen the enthusiasm of exhibitor and visitor alike and the number of new products unveiled was a healthy sign to gladden the hearts of industry watchers.

Saltex REVIEW

Watermation join forces with Toro

A union between two well known companies in the irrigation business was revealed the show when Watermation was appointed as an authorised installer of Toro irrigation products. It follows TIL Irrigation's decision to market its products and services under the Hydroscape name.

Aldershot-based Watermation has been installing irrigation systems on golf courses for almost 30 years and has a portfolio of over 1,000 courses, but recently decided that the design and manufacture of its own range of products would no longer be feasible. It decided, therefore, to look at another option, that of sourcing products from another supplier.

“I see the partnership between Watermation and Hydroscape as a new chapter in Watermation’s history,” said Watermation Chairman, Ray Lewis (left).

“The combination of the Toro range and Watermation’s design and installation skills will provide the market with the highest possible standard of irrigation systems.” Peter Roberts, Chairman and Managing Director of the Hydroscape Group, said.

“Watermation’s Choice of Toro and Hydroscape re-emphasises the leading position all three companies hold in the UK amenity market.

“We know that the relationship will prove beneficial to all concerned.”
Alanco
Alanco, designer and manufacturer of Weed Free’s Spraying Mantis, has launched the Allrounder. Similar in concept but on a smaller scale, the new all purpose utility vehicle can take a variety of attachments including top dresser, aeration unit, three gang mower and sprayers with a tank capacity of up to 1000 litres. It has a 60 horse power dual fuel engine, hydraulic take off, low pressure tyres and four wheel drive, and comes in three models. For further information Tel: 01622 832830.

Bioseed
Bioseed Probiotics Ltd has introduced the Sustane range of soil builders/fertilisers into the UK market and this will be distributed through Amenity Technology. Sustane has been released following three season’s of trials which have provided information regarding the product’s performance in tackling thatch reduction, disease suppression, Take All eradication, dormant winter feeding and black layer eradication. For further information Tel: 01747 832771.

London Club are Spray away winners

The London Club was this year’s winner of the Blazon Spray Watch campaign and Courses Manager Steve Jones was on hand to receive the first prize of a Hardi AMK 300 Tractor Mounted Sprayer from BIGGA Chairman, Gordon Child. In addition to winning the sprayer for the club Steve, also won an expenses paid trip to the 1999 GCSAA Convention and Show in Orlando, Florida, next February.

John Deere: Small is beautiful

A new generation of four wheel drive compact tractors was launched by John Deere. The 4000 Series models, from 20 to 423 hp, offer a host of big tractor features in a compact size. The entire range features a new Yanmar clear and silent three or four cylinder diesel engine with low exhaust and emission levels and there is a choice of gear or infinite speed hydrostatic transmissions on all except the 4200 version which is only available in hydrostatic form and the 4500 which is gear only. All the tractors can carry a loader, mower and backhoe at the same time while other attachments include rear and mid mounted mowers, front blades and brooms while the three point hitch for rear mounted equipment offers lift capacity of up to 1.4 tonnes matching the highest in the industry. There is also a new range of dedicated front mounted loaders with joystick controls for materials handling and heavy lifting jobs. Also launched was the F735 compact diesel front mower which is particularly suitable for mowing open areas as well as trimming around trees, shrubs, flower beds, signs and fences.

It features a new vertical crankshaft, two cylinder Yanmar 20.5ph diesel engine with shaft drive to the mowing deck for greater reliability and a longer operating life. For further information Tel: 01949 860491.

Scotts on fastrack with Speedway

Scotts launched Maraud and Speedway 2 at the Show while it was announced that Greenshield has been cleared for use against worm casts. Maraud is a contact and fumigant insecticide based on chlorpyrifos, which targets leatherjacket and frit fly and is sold in one litre packs sufficient to treat 6,666 square metres. Speedway 2 is an amenity herbicide containing diquat and paraquat and has a fast contact action against most weed species. In warm weather it will kill weeds within two days by disrupting the plant’s photosynthetic process. The product is manufactured as water dispersible granule formulation to give dust free mixing with water. It is also rain fast and inactive by contact with the soil. Greenshield targets fusarium, red thread, Anthracnose, Take All and leaf spot as well as now being cleared to reduce worm casts. For further information Tel: 01473 830492.

The ‘A’ grade

British Seed Houses introduced new grass varieties Loretta Nova and Raisa to its ‘A’ grade mixture. Loretta Nova ryegrass offers strong growth and low nutrient conditions, good shoot density and close mowing tolerance with excellent disease resistance. Raisa chewings fescue delivers excellent shoot density, short growth and readily accepts close mowing. For further information Tel: 01925 654411.