



described as having rolling terrain. It is a measure of the exclusive nature of the course and the honour the Hayter International Cup team members will feel that the course has a mere 12,500 rounds per annum.

The Superintendent is William Shirley.

The Golf Club of Georgia will offer a superb opportunity for those with an interest in nature to

see some unusual wildlife as raccoon, beaver and muskrat are listed as on the course. No doubt the beaver enjoy the five water hazards on the course more than the golfers might while there are 60 bunkers to get snare anyone who avoids the water. Like Peachtree the greens stimp at nine and a half for tournament play.

The Superintendent is Travis Shirley.



Go On...

OCMIS IT

Give your irrigation system the stamp of approval

Design & Service
You Can Trust

Head Office 01460 241939
Scotland Office 0131 220 2102

The Aercore 1500 can produce 900,000 holes per hour at a coring swath of 146 cm (57.5 in.).



1.5 m (60'')

The Aercore 1000 can produce 600,000 holes per hour at a coring swath of 95 cm (37.5 in.).



1 m (40'')

JOIN THE REVOLUTION.

The New Aercore Aerators Have Arrived

Both the Aercore 1000 and 1500 deliver a true 10-cm (4-in.) core at spacings that range between 60 x 50 mm and 80 x 125 mm (2.4 x 2 and 3.2 x 5 in.).



Revolutionary ideas often take simple forms. Consider John Deere's latest revolutionary products – the Aercore 1000 and Aercore 1500. The first tractor-mounted aerators that deliver high productivity without sacrificing hole quality, durability, or ease of service.

A quick look inside reveals the clean, simple logic of the Aercore designs. Easily accessible Kevlar belts, instead of chains, power the systems. Making them quieter, more



forgiving, and easier to maintain. Plus, mounting geometry and "flexi-link" supporting arms ensure the tines stay perpendicular to the ground longer for a cleaner hole. The bottom line – the Aercore 1500 can punch up to 900,000 high-quality 10-cm (4-in.) holes an hour. The Aercore 1000 – right behind at 600,000. They just get on with the work.

Compare the John Deere Aercore 1000 and 1500 to the aerators you're using now. Then, talk to us soon for a first-hand look.

Standard "flexi-link" supporting arm on both the Aercore 1000 and 1500 ensure a high-quality hole by helping keep tines perpendicular to the turf surface longer.



NOTHING RUNS LIKE A DEERE

John Deere Ltd., Harby Road, Langar, Nottingham NG 13 9HT. Telephone 01949 863299 (answerphone)



C 623 E

SALTEX

98

Sports. Amenities. Landscaping

8-10 September '98 Windsor Racecourse



SEE YOU IN WINDSOR

The annual outdoor Saltex Show, at Windsor, in September, is the ideal complement to our own indoor BTME Show, at Harrogate in January.

It will again be a case of all roads heading to Windsor on September 8-10 for the annual Saltex Show and this year the emphasis is very much on special working features. More than 12,400 square metres of the 48,500 square metres of space available at the show has been dedicated to working demonstration areas where machinery will be put through its paces before the gaze of potential purchasers.

"Machinery and equipment demonstrations are one of the main reasons why people keep coming back to Saltex," said Show Director Jon Gibson.

"People spend a lot of money on some of this machinery and it's not enough simply to find out about it from leaflets and brochures. No-one would be foolish enough to buy a car without first giving it a test drive, so why should the attitude be different towards buying a tractor."

However, Gibson adds that the demonstration areas are not just not about giving visitors a better look at equipment.

"Some companies use the exhibition to introduce a prototype and they need feedback from visitors so that they can make adjustments before launching the real thing," he explained. Among the companies exhibiting for the first time including Stihl, Twose Turf and Spray and Zaun while MJ Abbott are among the companies returning to the show after a gap. The show will also include a free seminar programme, running throughout the three days of the show.

Among the special guest speakers will be Eddie Seaward, Head Groundsman at the All-England Lawn Tennis & Croquet Club, who also spoke at this year's BTME, while the English Sports Council will give information on the Lottery Sports Fund and how to attract funding.

BIGGA will again be well represented at the Show with a prominently placed stand G1 and a team of staff keen to meet existing and prospective BIGGA members.

How to get to Saltex

SALTEX is held at Windsor Racecourse. About 20 miles west of Central London, Windsor is easy to reach by rail, road and air. Heathrow is only a 15 minute drive away; Gatwick and Luton are within an hour's drive.

By road

From the M25. Leave the motorway at Junction 15, where you'll join the M4, heading west.

From the M4: Westbound -- leave M4 at junction 6. Eastbound -- leave M4 at junction 8/9. Then follow brown and white signs for Windsor racecourse.

By rail

From London Paddington: Leave the train at Slough and join the local service to Windsor and Eton Central Station. Approximate journey time is 35 minutes.

From London Waterloo: Leave the train at Windsor and Eton Riverside Station. Approximate journey time is 45 minutes.





WARDLE
Consulting Engineers Ltd
Independent Irrigation Consultants
& Project Managers

Golf Irrigation Specialists

- ◆ Feasibility studies, water supply and storage
- ◆ Irrigation system designs, technical specifications
- ◆ Bills of quantities, tender documents
- ◆ Supervision of installation & project management
- ◆ System appraisals & upgrade recommendations

Our independence ensures you get:

Impartial, objective and practical advice

- ◆ A system designed to meet the specific needs of your course
- ◆ A well-designed, reliable & efficient irrigation system

Value for money
& peace of mind

NATIONWIDE SERVICE

Head Office (Midlands):
Giles Wardle
Tel/Fax: 01283 711864
E-mail: wardle@avnet.co.uk

Southern Office:
Bill Hawthorn
Tel/Fax: 01483 278416
E-mail: hawthorn@avnet.co.uk

Scotland Office:
Phil Langdon
Tel/Fax: 01259 742447
E-mail: langdon@avnet.co.uk

EXHIBITOR

Listings, listings, listings, listings, listings, listings

Amenity Technology - Stand D71

Amenity Technology will be launching a number of new ranges at this year's Saltex show, which will herald a new generation of Amenity Products to take the company into the new millennium.

This year Amenity Technology have moved their stand further forward to allow easier access and as in previous year's free gifts will be available to the first 500 visitors every day, so don't be late!

Amenity Technology continue to pioneer developments in products to the amenity market. A visit in to the Amenity Technology show stand is the best way to find what is new in the amenity market.

Avoncrop - Stand H71-73

Throughout '98 Avoncrop Amenity Products have continued to develop their range of turf products to enable turf managers to meet ever increasing expectations and challenges of producing high quality playing surfaces. We have also developed a range of products and services which help turf managers to meet strict environmental regulations and will be exhibiting the latest products from our own AAP range; Scotts Turf & Amenity; Rhone-Poulenc; Supaturf; Farmura; Headland and Vitax. The organic and microbial products from Green Releaf and Terralift will also be featured.

Details of the new highly successful AA Chemical Container Disposal Service will be available along with a range of the latest spraying, line marking and golf sundries.

The BAA/Basis Advanced Contractor Certification Scheme (Supported by Rhone-Poulenc Amenity) - Stand T30

Rhone-Poulenc, as a Company focused to improving standards in the Amenity Industry, is supporting the BAA/BASIS Advanced Contractor Certification Scheme. Amenity Spraying Contractors, D.S.O's and D.L.O's can gain certification through this new scheme. This will indicate to Local

Authorities and other customers, that the contractor is operating very high standards of pesticide application. Local Authorities will be encouraged to use only "Advanced" contractors in their tenders. This quality concept is important with the move from Compulsive Competitive Tendering (CCT), to the Best Value principle within Local Authorities.

Barenbrug - Stand I12

Whether it's dedicated professionals or enthusiastic amateurs, when sports players take to the turf they expect nothing less than perfection. Which is why turf managers from all disciplines should seek out the Barenbrug stand. Their technical advisors will be on hand to discuss Barenbrug's extensive range of quality grass seed varieties and mixtures. Barenbrug's BAR 2 is today's most successful mixture on golf and bowling greens. The presence of BARCROWN, slender creeping red fescue, provides compactness, disease resistance and drought tolerance; this mixture offers a perfect sward. If shade or dryness is an issue, it will be worth investigating the newly formulated BAR 15. Also suitable on golf fairways, this mixture requires only minimal maintenance.

BLEC - Stand V43 and demonstration area numbers A29-33 & A43-47.

With an increasing demand to mechanise and create higher productivity in the landscape, turf-care and amenity industry, we at BLEC are able to offer an extensive range of equipment to meet that need. Experience dating back to the 1950s has given us first hand knowledge of the industry's requirements, both from a technical and cost effective point of view. BLEC are constantly researching and developing new equipment for the future - confirming our total commitment to establish BLEC in the forefront for many years to come. To purchase a BLEC product is to invest in a machine designed and built to serve you reliably and efficiently.

Cheshire Sand & Top Dressings

Does your current supplier of Top Dressings, Root Zones and Sands:

- Own a quarry containing the highest quality Cheshire Silica Sand?
- Produce all products to BS EN ISO 9002?
- Carry out hourly tests of all of the grades of sand which they produce, to ensure the highest quality?
- Test every batch of Top dressing and Root Zone to assure you the consistency which you require?
- Have the productive capacity to produce 600 tons of Top Dressing per day, so that you will not be let down at the busiest times of the year?
- Use top quality hauliers to ensure that deliveries are in the right place, at the right time and without a mess?

If your current supplier cannot offer you all of these, we would be delighted to.

Please call 01270 765996 for prompt service and delivery.

Arclid Quarry
Congleton Road
Sandbach
Cheshire
CW11 4SN



EXHIBITOR

Listings, listings, listings, listings, listings, listings

Complete Weed Control - Stand E33

Following its highly successful introduction at Saltex 97, Weed-It, the winner of the award for Best New Landscape Product at Saltex 97, will be shown in final production form.

Weed-It is an acronym for Weed Economical Eradication Detection - Intelligent Technology. This employs an optic sensor working on the principle of measuring luminescence picked up from the chlorophyll in a plant by using an infra-red light and optic sensor. When a weed is identified, a signal is sent to the computer that effectively tells the sprayer to turn on a jet and spot treat the weed.

The unit incorporates a sealed chemical handling system that reduces exposure to the chemical by both operator and public alike, and also minimises problems with chemical disposal and waste packaging.

The Sisis Ecospray designed specifically for spraying close mown areas, and developed by Complete Weed Control and Cranfield University, will also be on display.

Eagle Promotions - Stand D24

Eagle Promotions provide an extensive range of services to Golf Clubs from the initial Course Measure through to Scorecards, Yardage Books and other Point of Play accessories. This Exhibition enables us to show our exciting choice of signage for the Golf Industry. Our signage is developing around our ability to create any image etched into zinc plate. These mounted on stone, moulded rock and wood create truly spectacular sign systems. For more information please contact Philip McInley or call on 0860 239 354.

Eric Hunter Grinders - Stand Q12

The chance to witness relief angle grinding first hand, is offered by Eric Hunter Grinders Ltd. Eric and his team will be demonstrating the unique capabilities of the Jupiter and Juno machines which are the only grinders guaranteed to grind a cylinder perfectly parallel to

0.004" over 30". Both models offer a total service to golf clubs, with their ability to accurately relief grind cylinders "in situ" or out with the benefit of coolant, and also precision grind bottom blades.

The increasingly popular "in - frame" Jupiter is top of the range. It is built, like the standard machine, of heavy duty cast iron, ensuring that both models give accurate results for at least 50 years. The Juno offers all the advantages of the Jupiter at a budget price. Large golf and local authority complexes with ample work shop space can take advantage of the Amazon or the Orion. These precision grinders for bottom blades only are designed to supplement cylinder grinding machinery.

Gannon Oils - Stand T4

Gannon Oils Limited have a range of high performance multi-purpose lubricants and specialist greases all designed to meet the criteria of the agricultural and amenity industry and will be launching their 'Slip Plate' dry film lubricant at this year's event. As the sole agency for Superior Graphite Co, Gannon Oils invite Groundsmen/Turf and Amenity Managers to sample the benefits of this superb product. Ideal for use on all grass cutting and landscape machinery or tools, 'Slip Plate' bonds quickly and is easy to apply, with little clean-up. You are warmly invited to meet our colleagues from Chicago to discuss your requirements.

Green Releaf - Stand H70-H72

Green Releaf, the US leaders in liquid microbial products are exhibiting a range of microbial products at Saltex. The Green Releaf liquid beneficial microbes applied with their own unique food source rapidly improve root structure, enhance nutrient uptake and increase natural resistance to disease. Other products at the show include Thatchless Liquid which will reduce your Thatch in only 30 days. And for faster, hard wearing greens why not try KCS 0-0-14 Liquid which is used on the USPGA tour for tournament preparation. Visit us at our exclusive South & South West distributor, Avoncrop Amenity Products.

NOW SEAWEED CAN MIX IT WITH THE BEST



Vitax Seaweed Soluble is a new, 100% pure, concentrated seaweed from Nova Scotia that stimulates root development, releases locked up soil nutrients and improves drought and disease resistance in turf. Now with the introduction of Vitax Tank Mixing Agent it can be combined with a whole range of Vitax supplementary fertilisers, especially Iron. Cocktails, or on-the-rocks, there is a soluble solution for every turf requirement.

Phone 01530 510060 for complete compatibility list.

VITAX
Mix & Match Solubles

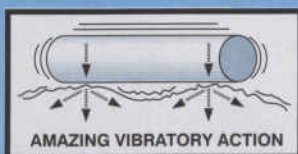
EXHIBITOR

Listings, listings, listings, listings, listings, listings

Would you like true Greens?

YOU NEED TRUE-SURFACE LIGHTWEIGHT VIBRATORY GREENS ROLLERS

- Consistently fast and true greens without lowering cutting heights
- Raise cutting heights or miss a mowing to relieve stress without loss of speed
- Restore surface after aeration
- Vibrate top dressing onto the surface
- The faster way to roll that follows contours just like your mower does



TRUE-SURFACE rollers weigh no more than your standard mowing units. Their unique vibratory action energises the surface particles and transforms the green back to its original shape without using a heavy roller!

USED BY MANY TOP CLUBS THROUGHOUT EUROPE INCLUDING:

- | | |
|---------------------------------|----------------------|
| ● St Andrews | ● Royal Portrush |
| ● Gleneagles | ● Mere |
| ● Carnoustie | ● Moor Park |
| ● Forest Pines | ● Chobham |
| ● Slieve Russell Hotel | ● Dale Hill |
| ● Lamberhurst | ● Slinfold Park |
| ● Chart Hills | ● Fairwood Park |
| ● Birchgrove Estate | ● Alwoodley |
| ● Merrist Wood | ● Dalmahoy Hotel |
| ● North Hants | ● Torino |
| ● Skibo Castle | ● Minchinhampton |
| ● Woking | ● Todmorden |
| ● Parkwood | ● Ostschweizerischer |
| ● Golfplatz Holsdorf | ● Royal West Norfolk |
| ● Crail | ● Secret Valley |
| ● Kobenhavn | ● Royal Dublin |
| ● Club de Bonmont | |
| ● Golfanlage Munzingen-Freiburg | |
| ● Golfpark Schloss Wilkendorf | |
| ● Hamburger Falkenstein | |

ORDER YOUR SET DIRECT FROM THE EXCLUSIVE EUROPEAN DISTRIBUTORS NOW!

GREENSWARD DIRECT
0113 267 6000

FREE DELIVERY THROUGHOUT EUROPE



To fit Ransomes Greenplex 160, Toro, Jacobsen, John Deere, Lesco and Huxley

Hayter - Stand W15

Products on the Hayter stand will include the upgraded gang and triple mowers and the production version of the R314 rotary mower. The popular professional pedestrian mower, the hydrostatic Condor will show a 36" rotary attachment. This machine can also be fitted with a 30" rotary or 30" verge attachment. The Bank Condor will also be shown with a 30" rotary attachment.

Recently voted "Product of the Decade" the Harrier will also be featured. Initially designed for the domestic market a high percentage of contractors use this product very successfully.

Hydroscape - Stand U25

The importance of water quality management in lakes and ponds has never been greater. The essential features of good lake and pond water are the maintenance of a balanced eco-system with high levels of circulated oxygen. As leaders in the development of amenity water quality management systems, Otterbine Barebo has the most comprehensive range available. This wide range of options allows for the selection of the most appropriate system for each application, including floating fountain models, submerged and land based circulation units. Visitors to the Hydroscape stand will be able to experience a unique opportunity of seeing a number of water aeration units operating in a real-life river setting and a demonstration of the benefits offered by the new range of Weather Stations introduced into the UK for the first time this year.

Kubota - Stand W40

Kubota's Saltex exhibit will be highlighting the care and dedication applied by the company in all its contacts and dealings with owners and users of Kubota tractors, implements and ride-on mowers. Areas which will come under the spotlight on stand W40 include:

The care taken to appraise, understand and meet each customer's specific machinery requirements. The availability of competitive and flexible finance for lease or purchase funding through Kubota Credit.

Respect for the environment through the extensive use of low noise, low emission diesel engines. The wide selection of implements available to extend the year-round versatility of Kubota tractors and mowers. Sustained performance and reliability through the fitting of genuine Kubota replacement parts supported by trained engineers at appointed dealers nation-wide.

Mommersteeg International - Stand F22-24

Mommersteeg International will be exhibiting its wide range of top quality grass mixtures.

The company's MM mixtures, which continue to find favour with groundsmen and greenkeepers will be the focus of the exhibit. The mixtures will be backed by a team of experienced technical experts who will be on hand to advise on the best use of grass seed mixtures for sports and amenity areas.

Recent contracts for the company include the supply of mixtures for the new Reading Football Club - the Madjiski Stadium - the soon to be opened Newbury bypass, where 32 tonnes of Mommersteeg grass seed will be used, and the new cricket arena and sporting village for Hampshire County Cricket Club, which includes 20 new wickets, outfield, 9-hole golf course and bowling green, will also be using all Mommersteeg grass seed.

Ocmis Irrigation (UK) Ltd - Stand Q6

One of Europe's largest irrigation companies specialising in the design, supply, installation and service of sportsturf and landscape irrigation systems. Distributors for Rainbird, Hunter and Buckner products. In house design service with full ISDN links. Unique unrivalled installation methods ensure minimal scarring to existing sports surfaces. International Rainbird Contractor of the Year 1997. British Turf and Landscape Irrigation Association Award of Excellence Winner 1997. Offices and service centres throughout the United Kingdom, for further information contact: Head Office, 01460 241939; Scotland Office, 0131 220 2102; Email Ocmis@compuserve.com

No more slip-ups!



Slip-Plate is a non-polluting greaseless, dry film lubricant which is ideal for all amenity and landscape machinery maintenance

Available only in the UK and Ireland from:

GANNON OILS LTD
9-11 Wood Street · Poulton Ind. Estate
Poulton-Le-Fylde · Lancashire · FY6 8JY



- Prevents build up of dirt, grass and mud
- Rust / corrosion resistant
- Resistant to most chemicals & solvents
- Available in 1, 5 & 25 ltr tins or 400ml spray cans



Tel: 01253 899240
Fax: 01253 899280

EXHIBITOR

Listings, listings, listings, listings, listings, listings

Pattison's - Stand Q1

Pattison's enhance product portfolio with 3 new additions: The, Oakland, The Windsor Tee Collection and The Junior Sarrell Rollers

1. Pattison's have established themselves as the innovator of golf course furnishings since 1896 and continue to do so.
2. This year has seen 3 new products come onto the market, first was the Oakland Tee Marker, taking the popular design of the wooden log tee marker but making the tee marker out of resin instead of natural wood. The effect is identical and obviously environmentally friendlier. They came in two size's and can be personalised.

3. The Windsor Tee collection consist's of a matching Divot Box, Tee Block to hold the hole information and a Litter Bin all made from the same material. For anyone looking for consistency throughout the course you will find it with these new products

4. The popular Sarrell roller has been complimented with a one and two drum version. These new versions will be a popular product for someone needing to aerate small areas instead of having to get the big machinery out of the sheds.

Rain Bird Europe - Stand CP9.

Rain Bird's Nimbus Decoder central control system uses powerful colour graphics and simplified on screen instructions to provide ET-based schedules and advanced flow management. With Nimbus Quick Start™, users easily start-up the software and are able to build their first customised program step by step. Maxi Nimbus™, uses Microsoft Windows™ '95. With advanced built-in features to maximise your irrigation efficiency, Nimbus will put you in control of your irrigation system in record time form tees to greens, this feature rich, user-friendly system will optimise water use, reduce input costs and prolong the life of your hardware.

Rhone-Poulenc - Stand P2

Visit Rhone-Poulenc Amenity to discuss their extensive range of sportsturf products and to hear about a number of exciting new developments and additions to their product range. Zapper is a revolutionary new total herbicide giving season long control of all weeds thanks to its combination of glyphosate and the unique anti-germinative properties of oxadiazon. It has a superb environmental profile which is further enhanced by its innovative water soluble packaging. Also featured will be Mildothane Turf Liquid with its new label recommendation for the suppression of worm casts. Whatever your problem, be it sportsturf or total weed control, Rhone-Poulenc Amenity have an effective solution and look forward to sharing their expertise with you.

Richard Campey Ltd - Stand W60

Richard Campey Ltd are exhibiting in their own right for the first time in order to launch the KORO range of Turf Renovation Machinery. The equipment is new and exclusive in the UK via Richard Campey and is available as a Recycling Dresser and Field-Top-Maker.

This unique concept of surface management will be demonstrated to underline its ability to create an ideal environment for re-seeding - by the completion of several jobs, i.e. flattens, creating even ground: collects earth and sand: aerates sports turf areas: removes top layer: improves drainage and surface water percolation.

The Field-Top-Maker corrects surface irregularities by removing top turf to 1 cm depth, eradicating weeds and weed grasses, resulting in flat level surfaces, ready for conventional overseeding.

Rigby Taylor - Stand M1

Come and talk to the experts at the Rigby Taylor. Staff will be on hand as always to offer friendly help and advice. In addition you'll also have the opportunity to meet guest experts from major manufacturers who will be more than happy to provide more specialist assistance and information.

Our stand will again offer a warm

GREEN RELEAF BENEFICIAL MICROBES



- LIQUID BENEFICIAL MICROBIAL PROGRAM
- ORGANIC GRANULAR FERTILISER INNOCULATED WITH BENEFICIAL MICROBES

Let nature give you a helping hand!
To find out more visit us at SALTEX



GREEN RELEAF EUROPE
TEL: 01782 373878

STAND
H70-72

- BLEC** AVATOR STONEBURIER
- BLEC** SEEDERS
- BLEC** ROTARY RAKES
- BLEC** STONE PICKERS
- BLEC** OVERSEEDERS
- BLEC** MULTISCRAPERS
- BLEC** GRADERS
- BLEC** AQUASEEDERS

BETTER RING BLEC

Global Centre, Spalding Road,
Deeping St James, Lincs. PE6 8SD
Tel: 01778 346222 Fax: 01778 346777

T: 01494 79 46 46



**JULY - SEPT
PROMOTION**

NEW

OAKLAND TEE MARKER

Buy a set of red & white Oakland tee markers and receive your **YELLOW TEE MARKERS F.O.C**

SPECIAL OFFER

Purchase 6 cans of spray paint
RECEIVE 2 F.O.C

Purchase 6 cases of spray paint
RECEIVE A 2-WHEEL APPLICATOR F.O.C

quality golf course equipment

F: 01494 79 47 47

Ad Ref 35

EXHIBITOR

Listings, listings, listings, listings, listings, listings

welcome and comfortable hospitality as well as exhibiting the latest products together with comprehensive reference literature. All of us at Rigby Taylor look forward to meeting friends both old and new.

**Rolawn -
Stand CA11**

Feedback from greenkeepers and agronomists throughout the UK led Rolawn to sow a new mixture of turf in late spring last year.

Sown from a mixture of Chewings Fescue (Bargreen), Slender Creeping Red Fescue (Barcrown), Smooth Stalked Meadow Grass (Limousine) and Brown Top Bent (Heriot) the turf is now ready for harvesting. The brand name Olympic has been used to identify the new turf and it was tested by STRI in late July with results available from August. It is non rye and purpose grown for tees. However it is also suitable for green surrounds. It can be seen during the show.

**Scotts UK Professional
Turf and Amenity Division -
Stand E1**

Scotts UK Professional Turf and Amenity Division is the UK's leading supplier of fertilisers and chemicals to the landscape and amenity market, focussing in particular on fine and outfield turf-care and weed control. The business was formed following the acquisition of Miracle Garden Care and Levington Horticulture by The Scotts Company. The company invests heavily in Research and Development at Levington Research Station to ensure that the Sierra, Greenmaster and Longlife ranges continue to meet the needs of today's turf managers. A comprehensive range of formulations and treatments is available in both granular and liquids options, combining even and accurate application with uniform and reliable turf growth and colour response.

**Sisis Equipment
(Macclesfield) Limited -
Stand B27**

Sisis are moving to a larger stand this year, where we will be exhibiting the largest range of Sisis machinery ever shown at Saltex. And, as always, Sisis will have lots of new introductions

**Supaturf -
Stand E18**

Supaturf will be displaying their full range of amenity and grounds maintenance products, but in pride of place, will be the new line marking machine - the Topline TXE. The Topline TXE follows on from the revolutionary Topline 2000, and features a totally new - no-weld -rugged free frame, designed to offer new levels of performance and reliability. At the heart of the TXE is an improved battery powered pump system that can provide a full day's work between charges. Also, a new addition to Supaturf's world leading range of Water Management Products is AquaDoc In-A-Can. AquaDoc, already available in liquid form, has been specially formulated for rapid recovery treatment of localised problems such as: Dry Spot, Wet Spot, and Hydrophobicity on slopes and banks.

**Symbio -
Stand H20**

Symbio is launching a range of mycorrhizal inoculants for turf that will be of specific interest to greenkeepers growing in new greens and for architects and greenkeepers building new greens. Lake, pond and irrigation water management. Symbio is building on its long experience of pollution control and management of urban lakes and wastewater to provide a complete service for golf courses and amenity water managers.

**Textron Turf Care &
Specialty Products -
Stand V15**

Textron Turf Care & Specialty Products may be a new name to some, though when it comes to equipment the stand remains the Mecca for all discerning greenkeepers. Revered names like Jacobsen, Ransomes, E-ZE-GO, Iseki, Ryan and Cushman will be demonstrated, though each brand will be grouped separately. So you'll see many familiar faces and some wonderful new machinery, for Textron's philosophy is to continue providing exciting equipment that delivers value, performance and productivity- always. Newcomers include Jacobsen's Sand Scorpion, plus their innovative LF 3400 and LF 3800 fairway mowers, while Ransomes' unveil the acclaimed new Turf-Truckster; the first of its type to offer automatic transmission.

**NEW
SITESAFE**

MODULAR SYSTEMS



...make all the difference to secure storage & accommodation units.



GARAGE



PAVILION



WORKSHOP

For further information
please contact:

Irvine Weston on Tel: 01427 752058 or
Cleveland Sitesafe Ltd. Park Farm,
Dunsdale, Guisborough,
Cleveland. TS14 6RQ.
Tel: 01642 475009 or Fax: 01642 471056.



Ad Ref 56

EXHIBITOR

Listings, listings, listings, listings, listings, listings

Look also for the new G-Plex 11 with a swing-out centre reel for easy access, plus the reintroduction of Ransomes' highly favoured T-Plex 180 with improved performance and economy. E-Z-GO vehicles on display will include golf buggies and specialist load carriers with bespoke bodywork, while a galaxy of Iseki tractors and accessories will nicely round off the Textron exhibition.

Toro Commercial Products - Stand W50

Toro Commercial Products is showing a large selection of turf care equipment from its comprehensive product range, including two new products being launched on to the UK market. Brand new and representing a bit of a departure from the normal Toro line-up is a walk-behind, compact utility machine designed to speed up and take the backache out of a wide range of groundworks operations. Far more conventional is the new Toro Reelmaster 5200-D fairway mower making its UK debut. A much-awaited diesel version of the Grounds Pro multi-purpose grounds machine makes its first appearance; while favourites from Toro's existing range include all four Greenmaster pedestrian mowers, as well as 3000-D and 3200-D ride-ons, Groundmaster out-front rotaries, Reelmaster 6500-D and 2300-D, Sand Pro bunker vehicle, Workman utility vehicle and the Hydroject aerator.

Turfmech - Stand W38

A high capacity, high-tip vacuum collector suitable for use behind smaller tractors is to be launched at the show by Turfmech Machinery. Designed for fast, efficient collection of leaves, litter, cut grass and other debris from turf or hard surfaces, the TurfVAC TM5 is a trailed machine ideal for tractors of just 30hp-plus. Standard features of the TM5 include a high-lift, high-tip unloading capability and a fully-floating suction head with full-width powered agitation brush. To assist the collection of stubborn, damp or sticky material, the head is fitted with a full-width, rotating polyester filament brush as standard. The brush is supported by two height-adjustable wheels, enabling the severity of the brushing action to be altered quickly and easily to suit the type and condition of the debris being collected.

Vitax - Stand F54-56

Continuing Vitax's commitment to innovative new products, for Saltex 1998 we launch three new products to further boost the strength of our already successful Sportsturf Chemical range. Firstly comes a new fungicide/worm killer spray called "Twincarb". A very cost effective chemical, it also offers the benefit of worm killing at low rates. We think it will be a winner with Greenkeepers and Groundsmen alike, but are reluctant to give too much away! Next is Vitax Vitamark, a super concentrated spray indicator which disperses over a 24 hour period, and has very low usage rates. Finally we launch Vitax Defoamer, again a super strength defoamer in a handy, easy to use trigger spray.

Weed Free - Stand CA15

A day at the races awaits the visitor who can meet The Mantis Challenge. Weed Free, who launched their unique spraying unit, The Spraying Mantis at last year's show and chose its name from entries submitted during the event, are offering free entry to Ascot Racecourse for two, to the turf professional who can correctly answer questions on the machine's performance and say in under 50 words why they would like the Mantis to spray their turf areas. The Spraying Mantis will be on show along with full information on Weed Free's comprehensive range of Amenity Spraying Courses.

Toro Irrigation - Stand W52

Toro will be demonstrating its most innovative computerised central irrigation control system ever - the revolutionary SitePro. Combining an easy, productive, graphic user-interface, matched with a Microsoft Windows 95 operating platform, SitePro takes all the guesswork out of professional irrigation management. Toro Irrigation has contributed to an amazing summer of UK sport with its systems installed in many of the country's major sporting venues. Places such as Highbury, home of Arsenal; Wembley; The All England Tennis Club; Royal Birkdale; Twickenham and Ascot. Many other sporting arenas have benefited from Toro Irrigation systems, none more prestigious than the Home of Golf, St Andrews, where Toro Irrigation products have been specified for the Old Course and the other four and a half courses.



FREEBIE THREE FREE

This is your opportunity to attend the 1999 show absolutely FREE!

The BTME99 will once again be held in Harrogate, with the National Education Conference Seminar Programme starting on Monday, January 18 and the Exhibition and Education Seminar Programme commencing on Wednesday, January 20.

The show represents the ideal forum for Greenkeepers to meet both trade and other greenkeepers.

All you have to do to stand a chance of winning one of the freebie-three-free prizes is to answer six questions - two in this issue, two more in September, and the final two in October's issue. Then send in your answers with the entry form which will be printed in the October edition, and you could be one of our lucky freebie-three-free winners!

FIRST PRIZE: Return rail travel from anywhere in the UK plus three night's 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 night's 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 night's accommodation at a top hotel in Harrogate and entry into all the education seminar sessions.

AUGUST QUESTIONS

1. What date does the BIGGA Turf Management Exhibition 1999 start?
2. What date does the BIGGA National Education Conference start?



Dr Catherine York, Turfgrass Pathologist at the STRI, examines some of the reasons behind turfgrass disease, and asks "Is Ditylenchus a pest on your turf?"

Nightmares from nematodes

Working as a turfgrass pathologist can be quite a lonely profession, especially when you consider the rarity of the "breed". Confirmation of your knowledge and improvement of your understanding can be developed over time through reading and receiving unusual turf problems. However, to be able to receive information directly from someone who has written the books that you've learned from, provides obvious confidence in your abilities.

It was a pleasure to have had the opportunity this year to work with Dr Noel Jackson, who came over to the STRI in April on sabbatical leave from Rhode Island, USA. Dr Jackson, who was the Biologist at STRI in the 1950's, initially accepted a two year position at Rhode Island - but decided to stay and is now Professor of Turfgrass Pathology & Turfgrass Management.

He came over to do a couple of months research with us looking specifically at dollar spot and anthracnose diseases, but generally at all disease problems that can be found on turf at that time of the year.

The Biology laboratory at the STRI is kept busy during the year, mostly with identifications and confirmations of disease problems that occur amenity turf. It is interesting, however, when samples arrive in the laboratory and the problem is not "routine" but something a bit different. In the first few months of 1998, we had two rather interesting samples arrive on the laboratory bench - one from a golf green and the other from a golf fairway. Both were problems caused by nematodes.

Nematodes are microscopic roundworms which are generally between 0.5 mm and 2.0 mm in length. There are many types of nematodes which naturally inhabit our soils but it is only a relatively small number which actually cause problems on turf in the UK. Their activity is favoured by warm soil temperatures and restricted by soils which are either dry or waterlogged. They also prefer light, sandy soils rather than heavy and compacted rootzones. Nematodes move through soil in a similar way to

that achieved by the common earthworm although they can be spread across large distances in surface water, or soil movement, due to their small size. It is probably fair to say that, until recent years, nematodes had not been considered a problem for turf in this country. Recently, however, we have seen nematode problems on both coarse and fine turfgrasses. The symptoms caused by nematodes vary depending on the type which have infected the tissues but they basically fall into one of two types - ecto-parasites (which attack and remain outside the plant) and endo-parasites (which enter the plant tissues). Over the past couple of years we have seen problems caused by the stubby root nematode which causes symptoms as described by its name. The nematode attacks the roots on the outside and causes the root to 'react' in such a way as to protect itself from further attack. The infected area swells and the nematode moves on to attack the root at another point. The result of these attacks is to have a restricted root system which is swollen all over. This type of attack, however, is not the type which we have seen in recent months.

The first problem sample to come into the laboratory was from a green from Bedale Golf Course in North Yorkshire. The problem was found on one of the five greens constructed about five years ago on land which had previously been farm land. The only symptoms observed on the turf surface were those of weak, patchy *Poa annua*. An inspection by our agronomist, Emma Kirby, identified some unusual growths on the roots of the turf. The affected turf was *Poa*



Figure 1