

IOG SALTEX 2002 SEMINARS

Tuesday 3 September

A1 Recycling – 10:30 – 11:15

Trelawney Dampney - Composting Association
Refining compost for top quality products.

A2 Health & Safety – 11:30 – 12:15

Douglas Shearer, Senior Lecturer - Elmwood College
Recent Developments in Health & Safety.

A3 Play & Parks – 13:30 – 14:15

John Yearly - RoSPA
Are we creating dangers for our children by trying to make play areas too safe?

A4 Ground Maintenance – 14:30 – 15:15

Ted Mitchell – Member of Hire Association Europe
Advantages of hire within the grounds maintenance industry.

Wednesday 4 September

B1 Landscaping/Groundscare – 10:30 – 11:15

David Spencer, Vice Chairman - BALI
The ROLO scheme and BALI: the answer to the 'rogue trader'.

B2 Regeneration – 11:30 – 12:15

Colin Cannon – Member of DTLR, Task Force Working Group of GSBP
Green Spaces, Better Places (DTLR Initiative).

B3 Major Project – 13:30 – 14:15

Dominic Cole, Landscape Architect, Eden
The making of the Eden Project.

B4 Stadium Design – 14:30 – 15:15

Steve Gingell – STRI Regional Agronomist, Thames Valley
Managing a sand dominated rootzone pitch for winter play.

Thursday 5 September

C1 Sports Surfaces - 10:30 – 11:15

Roy McLaren, Ground Manager – Malvern College
Resurfacing a cricket square.

C2 Horticulture – 11:30 – 12:15

David Brown, Chief Horticulture Advisor to the NFU
A better identity for Horticulture as an industry.

C3 Sports & Stadiums – 13.30 – 14.15

Keith Kent, Grounds Manager – Manchester United
High sided stadiums and the effects of its micro climate.

C4 Sports & Stadiums – 14:30 – 15:15

Mike McDonnell, Case Manager, Community Facilities Environment, Sport England
Accessing funds from Playing fields and community green spaces.



AGCO Limited (Massey Ferguson)

Stand: U04

PO BOX 62 Banner Lane, Coventry CV4 9GF

Tel: 024 76852684

Fax: 024 76851817

uksales@uk.agcocorp.com

www.masseyferguson.com

The Massey Ferguson range of grounds care equipment on display at Saltex will include:

- MF quadbikes (Ag.TV's) comprising models from 300 to 500 cc
- the MF 2924D diesel lawn tractor with a choice of cutting decks
- a wide range of ride-on mowers designed to meet the needs of a variety of customers
- the MF 1200 series of compact tractors with mid-mounted decks, offering maximum operating efficiency, comfort and economy for year-round work in grounds care
- the MF 2200 series tractors from 47 - 64 hp designed to meet a wide range of user requirements
- the MF 4300 series range of high quality medium/high specification cab tractors 53 - 116 ISO hp.

Allett Mowers Ltd

Stand: A18

Baden Powell Road, Kirkton Industrial Estate, Arbroath,

Angus DD11 3LS

Tel: 01241 437740

Fax: 01241 431715

sales@allett.co.uk

www.allett.co.uk

Allett will be showing their range of mowers together with the RTS Aeration equipment.

Aventis Environmental Science (now Bayer Environmental Science)

Stand: G07

214-224 High Street, Waltham Cross, Hertfordshire EN8 7DP

Tel: 01277 301115

jenny.murphy@bayercropscience.com

www.aventis-environmentalscience.co.uk

After the successful acquisition of Aventis Environmental Science in June of this year by Bayer CropScience, Bayer will be the new Company name from the Saltex Launch. Come and talk to us on stand G07, to find out the latest information on our novel new Amenity products, including the ultra-low dose fungicide Capricorn (winner of the Sportsturf product of the show award at Saltex in 2000). There will also be information available on our latest promotions for Spearhead and the joint Capricorn/Rovral Green Promotion. Rovral Green and Capricorn can also be used in combination with a microbial approach as they have been shown (through trials) to be harmless to beneficial turf fungi. Rovral Green will have a new Global Tradename which will be Officially launched at the Show.

We have a website with product information, calibration, weed death movies, printable safety data sheets and other useful information. Bayer continue to strive in answering Questions from the Industry with new novel solutions.

Barenbrug UK

Stand: I12

33 Perkins Road, Rougham Industrial Estate,

Bury Street, Edmunds, Suffolk IP30 9ND

Tel: 01359 272000

Fax: 01359 272001

sales@baruk.co.uk www.barenbrug.co.uk

Barenbrug UK, the specialist breeder and producer of grasses, has a strong portfolio of specialist grass cultivars and mixtures for the sports and amenity turf markets. Barenbrug has the experience and the products to offer immediate solutions to turf professionals.

ROMANCE, a perennial ryegrass, particularly suitable for winter pitches receiving intense wear will be of interest to groundstaff as well as the ever popular BAR 7/BAR STADIA mixtures - for football and rugby renovation. Barenbrug's BARGOLD, the finest leaved perennial ryegrass available, has proven very popular. The best advice on criteria selection, wear tolerance, light/shade etc, is available from Barenbrug technical staff at Saltex 2002. Contact Ben Petitjean

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Stand: G07

214-224 High Street, Waltham Cross, Hertfordshire EN8 7DP

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We have a website with product information, calibration, weed death movies, printable safety data sheets and other useful information. Bayer continue to strive in answering Questions from the Industry with new novel solutions.

Bernhard and Co Ltd

Stand: P68

Bilton Road, Rugby CV22 7DT

Tel: 01788 811600 Fax: 01788 812640

info@bernhard.co.uk www.bernhard.co.uk

LEADING GRINDING SPECIALIST Bernhard and Company invites all greenkeepers who need to produce that vital fine cut - to see their NEW grinding machine which is set to transform the workshop facility, as it requires no removal of cylinder or bottom blade from the mower.

Specially dedicated grinders include Express Dual 3000 and Anglemaster 3000 which ensure cylinder mowers cut to perfection day in, day out - Rota Master, for sharpening rotary mower blades - Chain Master, a chainsaw sharpener and Chipper Master, for chipper blades.

Completing the highly cost-effective line-up are - Express Dual 1000 and Anglemaster 1000, Gear Rite, Rapid Relief and Rapid Facer. Secure a healthier future for turf by using precision grinders from Bernhard. Contact Sam McLean.

Charterhouse Turf Machinery Limited

Stand: W28

Weydown Industrial Estate, Weydown Road,
Haslemere, Surrey GU27 1DW

Tel: 01428 661222

Fax: 01428 661218

sales@charterhouseturfmachinery.co.uk

www.redexim.com

Charterhouse Turf Machinery are well known experts providing a broad range of products to the groundscare and landscaping industries. With well over 60 products, no matter what your requirement is, Charterhouse will be able to offer a solution.

Charterhouse's four Company Divisions include the Tractor Division with its versatile Antonio Carraro range. These super-compact machines have a high power to size ratio making them ideal for use on cultivated turf. The Professional Machinery Division have an impressive variety of units for seeding, top dressing and core collection and includes the Verti-Drain machines, a product range so well established it has become a generic term for deep-aeration.

For tackling tough vegetation, the Connoisseur Division offers the All Terrain Mower and DR Trimmer Mowers from the USA.

Finally Charterhouse Richmond, the fourth division, will be exhibiting their full range of arboricultural and forestry equipment, hand tools and sundry items.

Contact Philip Threadgold.

Cranfield University

Stand: CP22

Barton Road, Silsoe MK45 4DT

Tel: 01525 863381

Fax: 01525 863253

sportssurfaces@cranfield.ac.uk

www.silsoe.cranfield.ac.uk

Cranfield Centre for Sports Surfaces is an advisory and educational Centre to meet the sports industry requirement for high-level training, consultancy and research in respect of maintaining, specifying and constructing natural sports surfaces.

The Centre offers the MSc in Sports Surface Technology (full and part-time) which is the premier qualification for those aspiring to a managerial/consultant role and attracts green keepers, consultants and groundsmen nationally.

With extensive industrial links and 40-years of scientific expertise in soil, plant and water management, the Centre is recognised as a leading authority and endorsed by the IOG and many leading sports organisations.

Services offered:

- Industrial consultancy
- Contract and academic research to provide leading-edge, technological developments within the industry
- Training and education

For details visit stand CP22.

ZallysUK

Eco transporters - for Golf Courses

The Zallys range of electric power units incorporates quality build and state of the art battery technology. Zero emissions, minimal noise and vibration coupled with the simplest controls ensure everyone can use them with ease and safety.

- Versatile and stable
- Ideal for club hire
- Range up to 50km
- comfortable all-weather seat
- Golf bag carrier option
- Wide wheels for low ground pressure



For further information
or a demonstration

Tel: 01332 824777

email: sales@zallysuk.com

www.zallysuk.com

DENNIS

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Maintenance
Equipment for
Professionals



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for more information on our
full range of products or log onto

www.dennisuk.com

Dennis
Stand: F21
Howardson Works, Ashbourne Road, Kirk Langley,
Derby DE6 4NJ
Tel: 01332 824777
Fax: 01332 824525
sales@dennisuk.com
www.dennisuk.com

Come and find out why many of the leading football, tennis, bowls and cricket groundsmen use Dennis Premier, FT or G series equipment to produce some of the best playing surfaces in the country. The unique FT and G series interchangeable cassette systems provide a quick and easy method of transforming a fine turf mower into a verticutter, scarifier, sorrel roller, slitter or brush in under a minute.

Additionally on the stand will be Eco powered carriers from Zallys UK. These strong, robust carriers have zero emissions, minimal noise and are simple to use. Ideal for indoor or outdoor situations, factories or farms, hospitals or horticulture, gardens to golf courses. The choice is endless.

The Dennis team will be delighted to talk to you about the range of machines on display and how they can assist you in creating the perfect playing surface. Contact Ian Howard.

Ernest Doe & Sons Ltd
Stand: V15 (Textron)
Ulting, Maldon, Essex CM9 6QH
Tel: 01245 380311
Fax: 01245 381194
www.ernestdoe.com

Ernest Doe & Sons Limited are one of the leading agricultural, construction & grass machinery dealerships in the UK. Trading from their head office in Ulting, Essex, since 1898, the family-run business sells a wide range of turf maintenance equipment for the municipal and golf markets. Brand names include Ransomes, Jacobsen, EZGO, Cushman & Ryan, from Textron, as well as a range of tractors from 17 to 400 hp. To compliment these grounds care products, Ernest Doe also sell aeration & irrigation equipment. For more information call 01245 380311 or visit the Textron Stand at Saltex where Ernest Doe staff will be happy to answer any questions you may have. Ernest Doe & Sons Limited, the one-stop shop for turf maintenance solutions.

Gem Professional
Stand: D62
Brookside Lane, Oswaldtwistle, Accrington, Lancashire BB5 3NY
Tel: 01254 356611
Fax: 01254 356677
sales@gemweb.co.uk
www.gemprofessional.co.uk

Granular Fertilizers for Gem Professional
Following significant investment at the Lancashire headquarters, Gem Professional has launched a range of granular fertilizers.

Micro-granular products are renowned for their ease and accuracy of application, making them the perfect formulation for fine turf surfaces.

Initially 8-0-0, an organic, fine turf fertilizer was the first to be granulated but this was soon to be followed by the rest of the Gem Professional fine turf fertilizer range making it one of the most comprehensive fertilizer ranges available. For more information on the latest developments come and see us at Saltex.

Hayter Ltd
Stand: W15
Spellbrook, Bishops Stortford, Hertfordshire CM23 4BU
Tel: 01279 723444
Fax: 01279 600338
sales@hayter.co.uk
www.hayter.co.uk

Hayter will be exhibiting their comprehensive range of grass cutting machinery. The T424 five unit cylinder machine, will incorporate a totally new transmission system allowing it to be used in the most difficult, wet conditions. The seven unit trailed gang mower, now redesignated the TM749, will also feature significant enhancements in respect of stability and performance.

Also on display will be the range of ride on triples and the R314 three deck rotary. Hayter are market leaders in pedestrian rotary mowers and a representative selection for the commercial user will be available for viewing.

Contact Barbara Garton.

Headland Amenity Ltd
Stand: H44
Norfolk House, Great Chesterford Court,
Great Chesterford, Essex CB10 1PF
Tel: 01799 530146
Fax: 01799 530229
amenitysales@headlandgroup.com
www.headlandamenity.co.uk

Headland Amenity offer one of the widest ranges of turf fertilisers available in the U.K. Using a range of different technologies, we can provide fertiliser programmes for all turf situations, with the emphasis on quality results. The market leading Multigreen range of controlled release fertilisers will be at SALTEx, alongside the newly launched Xtend outfield fertilisers, that have been a huge success with greenkeepers and groundsmen alike, by providing extended response at low cost.

As well as fertilisers, Headland will be showing its full range of amenity products including the new and much talked about turf wetting agent TriCure, available in both liquid or granular forms.

Hunter Grinders Limited
Delta Works, Hobson Industrial Estate, Burnopfield,
Newcastle upon Tyne NE16 6EA
Tel: 01207 270316
Fax: 01207 270312

Hunter Relief Grinders are in over 90% of the UK's most prestigious golf clubs including; Muirfield, Sunningdale, The De Vere Belfry, Slaley Hall International Golf Resort, Glen Eagles, Turnbury, Troon, Carnoustie and St. Andrews. All of these clubs have discovered that keeping blades sharper for longer by relief grinding is the key to saving maintenance time and money. The latest Jupiter 2000 will keep your mowers at peak performance all year round. The accuracy of relief grinding is so effective that the need to bring the mowers into the workshop for sharpening is dramatically reduced.

Contact Keith Cann-Evans.

ING Lease**Stand: CP40**

Apex Court, Camphill Road, West Byfleet, Surrey KT14 6SQ

Tel: 01932 359270

Fax: 01932 359280

sean.jones@mail.ing.nl

ING Lease is the leading independent finance company within the Turfcare market.

Working in partnership with many of the sector's key companies, such as Textron and BALI, ING offers the full range of finance products that are specifically tailored to the individual market sector requirements.

ING Lease has also established a clear understanding of the needs of local authorities, providing finance solutions that offer distinct advantages. Simple, clear and easy to understand documentation has been developed, together with realistic return conditions and the provision for early settlement of Operating Lease Agreements.

ING have a highly experienced team of employed field managers, who have an in depth understanding of the finance demands in the Turfcare market. In addition ING have recently developed an industry leading E-Commerce facility which will shortly be launched to the Turfcare market.

For further information on the services ING Lease can offer you, please come and visit the ING team at stand CP40. We look forward to seeing you there.

Contact Sean Jones.

John Deere Limited**Stand: V4**

Harby Road, Langar, Nottingham NG13 9HT

Tel: 01949 860491

Fax: 01949 860490

www.johndeere.co.uk

John Deere has Europe's biggest range of commercial and consumer equipment - from John Deere and Roberine cylinder and front rotary mowers, to a range of Gator utility vehicles and the 6020 Series tractors.

John Deere's stand at SALTEX 2002 features a number of new machines, including the X Series diesel lawn tractors, 1600 Turbo multi-purpose implement carrier, and attachments for the 1400 and 1500 Series front rotary mowers.

Contact Peter Nell.

Kubota (UK) Ltd**Stand: W40**

Dormer Road, Thame, Oxfordshire OX9 3UN

Tel: 01844 268111

Fax: 01844 216685

tomb@kubota.co.uk

www.kubota.co.uk

Kubota will be unveiling a high performance rotary mowing package based on the 25hp F2560 diesel ride-on front mower. Supplied at a very competitive price complete with 54in (1.37m) side-discharge rotary deck and high-lift grass collector, the package has been put together for users needing a powerful, yet manoeuvrable machine capable of working comfortably in confined spaces or any area with restricted access. Also being shown for the first time by Kubota at IOG Saltext are three advanced mini tracked excavators of 3.2 tonnes, 4 tonnes and 5 tonnes respectively.

it's how often that matters

Why have grinding programme that saves a few minutes in the short term – only to repeat the process time and time again?



Hunter Grinders 'relief grinding' keeps your mowers sharper for longer and out of the workshop, – saving you time and money.

For full details of our range

call **01207 270316**



HUNTER GRINDERS

Hunter Grinders Limited
Delta Works, Hobson Industrial Estate,
Burnopfield, Newcastle upon Tyne NE16 6EA
Tel: 01207 270316 Fax: 01207 270312

Lastec UK Ltd

Stand: A50

**Court Lodge Farm, Kenward Road, Yalding,
Maidstone, Kent ME18 6PJ**

Tel: 01622 812103

Fax: 01622 815534

www.lastec.com

Lastec will be exhibiting its range of wide area Articulator rotary mowers. The concept is to provide a quality finish to turf cut from 25mm to 150mm, over flat, undulating and steeply banked terrain. The range includes out front, rear mounted and self propelled models with a cut width from 1.80 metres to 3.35 metres. Lastec's revolutionary belt drive system allows decks to articulate independently without the power robbing hydraulic driven decks. Self propelled, zero turn models are powered by 36hp Kubota diesel engines and will out perform comparable machines on the market.

The Scotts Company (UK) Ltd

Stand: E1

Paper Mill Lane, Bramford, Ipswich, IP8 4BZ

Tel: 01473 830492

Fax: 01473 830386

dave.steward@scottscos.com

www.scottscos.com

The Scotts Company (UK) Ltd will be displaying at SALTEx the benefits of their new range of organic based turf fertilisers – formulated to give turf managers the benefits of both organic and inorganic fertiliser. New Greenmaster Organic fertilisers combine inorganic and organic nutrient sources with natural bio-stimulants, ensuring accurate, reliable provision of essential nutrients whilst also enhancing the soil micro-flora.

A brand new product – Scotts Sportsmaster Organic High N (13+5+10+TE) – will be launched at the exhibition. Designed for all turf areas with a mowing height of over 12mm, Sportsmaster Organic offers the balanced analysis appropriate for use throughout the growing season.

Textron Golf, Turf and Specialty Products

Stand: V15

Central Avenue, Ransomes Europark, Ipswich, Suffolk IP3 9QQ

Tel: 01473 270000

Fax: 01473 276300

info@textronsolutions.com

www.textronsolutions.com

Alternative power is the theme on Textron's Saltex stand and the spotlight will fall on electric and LPG powered vehicles from their respected turf care and specialty product brands.

From Ransomes, the new LPG powered Parkway 2250 triple mower is being unveiled, sharing the stage with a range of electric-powered Cushman Diabline and other electric utility vehicles from E-Z-GO.

The Jacobsen E-Plex II greens mowers and the E-Z-GO ST350 Workhorse golf utility vehicle, with an LPG option, both fall into the environmentally friendly category for the golf sector.

New products and enhancements feature across all products, so be sure to visit Stand V15.

Toro Commercial Products

Stand: W50

Lely (UK) Limited Station Road, St Neots, Cambs PE19 1QH

Tel: 01480 226800 / 00 353 (0) 4552 6170

Fax: 01480 226801 / 00 353 (0) 4552 6649

toro.sales@lely.co.uk / info@lely.ie www.toro.com

Toro is launching what it says is the most economical diesel trim mower on the market today – the new and improved Reelmaster 2300-D. The triplex unit has been specially developed and improved to provide an affordably-priced mower that will deliver a superior quality of cut on sports fields and golf courses.

Also new are the Groundsmaster 4700-D, which delivers a precision cut on sports fields as well as rough and trim golf applications; the Groundsmaster 228-D rotary mower, fitted with 60in rear discharge deck and available with optional grass collector; and the Workman 2110 utility vehicle, which features four-wheel braking.

TurfTrax Ground Management Systems Limited

Stand: F44

Chequers Court 31 Brown Street, Salisbury, Wiltshire SP1 2AS

Tel: 01722 434000

Fax: 01722 434040

colin.hood@turfrax.co.uk

www.turfrax.co.uk

The TurfTrax Ground Management Systems Limited is part of the TurfTrax Group Limited, which was founded in 1997 to commercialise research undertaken in conjunction with Cranfield University. TurfTrax's world-class soil engineers offer unrivalled service in all aspects of soil and soil water management utilising bespoke scanning technologies that deliver non-invasive assessments of soil properties through to a depth of 1.2 metres. The precision technology to underpin a fundamental understanding of soil water analysis enables the preparation and maintenance of high quality surfaces with unprecedented cost effectiveness and care for the environment. The scanning results provide information on the soil structure and texture, nutrient status, cation exchange capacity, water holding properties, levels of compaction and drainage qualities of your playing surface. The processed scanning data highlight variability in soil type and condition.

National Proficiency Tests Council (NPTC)

Stand: CP12

National Agricultural Centre, Stoneleigh, Warwickshire CV8 2LG

Tel: 0247 669 6553

Fax: 0247 669 6128

information@nptc.org.uk

www.nptc.org.uk

NPTC's aim is to deliver qualifications to people working in the land-based and allied industries by providing a professional, accessible, independent, assessment service. These qualifications are now accredited by the Qualifications and Curriculum Authority which means they are eligible for public funding, have been entered into the National Qualifications Framework and are nationally recognised. To achieve this we appoint assessment centres throughout England, Wales, Scotland, Republic of Ireland, Denmark and Bermuda who are able to link-up candidates with organisations/colleges where training courses are available, advise on the arrangements for assessment either at their place of work or a local assessment site.

NPTC is continuing to develop new qualifications and keep present standards updated as legislation is constantly changing.

GROUND CONTROL.



comfort and quality. A range which helps you to maintain control of your grounds – mowing and loading, cutting and spraying, and more. If your business is ground care, MF will suit you down to the ground.

www.masseyferguson.com

AGCO Ltd. Tel Hotline: 01628 488441 Email: uksales@uk.agcocorp.com



**Powerful engineering.
Powerful products.
Powerful support.**

May the Massey Ferguson ground force be with you. A range which gets off the ground with the compact MF 1200 series, includes the dedicated MF 2924D lawn tractor and reaches the heights of the MF 4300 series. A range which combines technology and reliability,



Massey Ferguson is a worldwide brand of AGCO Corporation

Aventis Environmental Science



Intelligent disease control

Amazingly, some species of fungus are good for your turf.

Mycorrhizal fungi develop a mutually beneficial relationship with turf roots for effective nutrient exchange, and increased resistance to drought, insect pests and disease.

You'll be pleased to hear then, that Rovral Green leaves these 'friendly' fungi completely unharmed.

But Rovral Green is as effective as ever at controlling the harmful species like Fusarium, Red Thread and Dollar Spot.

Rovral Green - it thinks for itself.

Harmless to beneficial fungi - still effective against disease



Mycorrhizal structures associated with turf roots



Associate Member

Aventis Environmental Science
Fyfield Road • Ongar • Essex CM5 0HW • Telephone 01277 301115 • Fax 01277 301119
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ROVRAL is a registered trademark of Aventis. © Aventis 2001

NEW PRODUCTS

KOMATSU ZENOAH

Komatsu Zenoah has introduced the Strato Charged two stroke engine giving 30% less pollution and 30% reduction in fuel consumption.

Now in time for the Autumn season, Allen introduce the Komatsu Zenoah model EBZ4800 back pack blower, the quietest available anywhere, thanks to the Strato-Charged engine and the specially designed muffler on the outlet pipe.

The 47.9cc engine produces 960cbm/h with a noise dB(A) rating of only 65.

The Strato-Charged engine gives 30% fuel saving compared to standard engine blowers of a comparable size and the free flow net around the fan reduces debris from being sucked into the engine enhancing durability and reliability.



Features such as styled-for-comfort low vibration back pad and single hand usage together with 2 litre fuel tank is bound to make this new addition a firm favourite with contractors and other professional users.

Launched at the same time is the World's most powerful back pack blower, the EB7000. This model enjoys a two stage, fresh flow air filter system minimising the intake of debris.

With a powerful 62cc Komatsu Zenoah engine and an air volume output of 1200 cbm/h, this machine is also extremely quiet with a dB(A) reading of just 75. RRP Model EBZ4800 £424 Model EB7000 £449

For further information contact Tel 01865 820731.

AQUAFLEX

Aquaflex is a flexible moisture sensor that is buried in the soil which measures soil moisture and temperature continuously so you always know what's going on in the root zone. The sensor has been used in the UK for some time and is now being increasingly utilised by turf managers internationally. As a direct result prices have been reduced and new entry-level products have been introduced to allow even wider use.



The Aquaflex gives accurate information for the first time on soil moisture over a given 10 foot section of a green. This data can then be used to determine irrigation needs and limits as well as confirm when irrigation comes or not.

Using Aquaflex to monitor soil moisture has proven to save water, and the energy required to drive pumps. Optimising water application also minimises leaching of fertilisers and chemicals as well as encouraging root growth.

For further information Tel 01274 733 145.

LILLEYBROOK GC

Lilleybrook GC has recently installed a Waste 2 Water model 750 recycling wash-off system, developed by ESD (Environmental System Design).

"The new environmental law came into force in April, with tight water pollution control (section 161 A-D of the Water Resources Act 1991). The fines for polluting a water course can be £20,000, but if a case goes to crown court there is no limit to the fine," said Course Manager, Paul Jenkins.

"This alone should make all golf clubs review their wash-off facility. Gone are the days when one could be tempted to wash machinery off 'round the back of the shed' especially if the maintenance facility is hidden away in the middle of the golf course. As professionals working with the environment we have a duty of care, not only to comply with the law, but to help set standards, not just react to them."

The contributing factors that influenced the design of the new facility, that incidentally includes new chemical and flammable liquids stores, were that the Lillybrook maintenance facility is situated at the top of a sloping car park, coupled with the fact that 100 yards away, runs a stream that feeds the Lilleybrook.

With only one part pesticide to 10 billion parts water constituting pollution, serious planning was put in place to eliminate "run off".

The ESD- Waste 2 Water recycling wash-off system is a complete wash unit high pressure wash hoses. Grass and dirt is separated by the Grass Separator and deposited into a wheelbarrow for easy disposal. The contaminated wash

water is then biologically cleaned and recycled, for continual re-use. The closed loop system rapidly breaks down all organic contaminants (oil, petrol, diesel, pesticides, fungicides etc.) into carbon dioxide and water.

"I believe, setting and maintaining high standards on the golf course goes hand in hand with setting and maintaining high standards off the course. To this end, an extension to the maintenance facility is planned to include a dedicated workshop, staff facility, grinding room and store," said Paul.

For further information Tel: 01782 373878.



MACCAFERRI LTD

Geotubes supplied by Maccaferri Ltd, specialists in retaining structures, soil reinforcement and erosion protection, have been used to create sustainable sea defences to protect a golf course. A 400 metre reinforced sand bank has been constructed to shelter the practice ground of the Royal North West Norfolk Golf Club from erosion and inundation during high Spring tides.

The golf course at Brancaster is in a designated SSSI. Until recently erosion protection was provided by the Environment Agency in the form of an existing coastal dune system with hard protection, but this had become expensive to maintain. A decision was taken to adopt a policy of managed retreat and with the demolition of banking to the west, the golf club practice ground would be left unprotected from the sea.

Using independent finance and working in close consultation with the Environment Agency, the Golf Club decided to construct its own new flood bank to protect the practice ground. The Golf Club appointed Peter Lawton of North Norfolk-based St La Haye Consulting Engineers with a brief to create a sustainable sea defence, using local materials and construction techniques, that would cause minimal disturbance to the environment. Local borrow pit material was found to be of poor quality and sand from adjacent tidal flats was suggested as an alternative. English Nature confirmed that there is an area designated 'barren sand' of little environmental value which might be used for this purpose.

Maccaferri was asked to look at a possible containment system for the sand, and the final solution using Geotubes was developed by St La Haye in



consultation with Maccaferri. Three geotubes were supplied to principal contractor J Breheny Contractors Ltd, each measuring 3.25 metres in diameter and 105 metres long. Filled with locally won sand, they form a solid core to the new coastal defences and will be able to withstand even severe winter storms.

Maccaferri is the exclusive UK distributor for Geotubes, which are manufactured in the Netherlands by TenCate Nicolon. The system is proven technology and has been used in many successful applications in Holland.

For further information Tel: 01865 770555.

WARDLE CONSULTING ENGINEERS

Irrigation consultants Wardle Consulting Engineers have announced the launch of a new venture, IrriPlan Ltd. an original concept in professional independent irrigation design for golf clubs with more modest irrigation requirements and limited budgets. IrriPlan is an irrigation "design studio" as opposed to a "consultancy".

"IrriPlan is a professional, independent design studio whose income, like a consultancy, is solely derived from client fees and not from the sale or installation of irrigation products and systems. However while an irrigation consultancy generally bases its fees as a percentage of the contract, IrriPlan charge an all inclusive fixed fee," said Giles Wardle.

Over the last few years Wardle Consulting Engineers has enjoyed success in the irrigation market with Royal Lytham & St. Anne's Golf Club, Carnoustie Links, The Gleneagles Hotel, The Turnberry Hotel, Queenwood Golf Club and Brocket Hall among its client reference list.

"However like other irrigation consultancies we have been guilty of neglecting the clubs with more modest requirements and limited budgets, who would nevertheless still benefit from professional, independent irrigation planning, design and monitoring.

We therefore established IrriPlan to meet the needs of exactly such a market and extend the benefits of professional, independent advice to a broader audience," said Giles.

Different clients want and require a different level and type of service. The club that just wants an irrigation system for their greens, tees and approaches often cannot justify the fees for a consultant to undertake a fully comprehensive service including contract administration, project management and site supervision.

Nevertheless such a client would still benefit from impartial, objective advice and a design and specification, to which all the contractors are bidding for, on a like-for-like basis, in a process of truly competitive tendering.

COMPLETE WEED CONTROL

Complete Weed Control's Weed-It machine uses optic sensor computer technology to detect weeds then delivers chemical only to the weed itself. This ensures an effective result with the minimum environmental damage. Resulting in chemical savings of 50 - 70% the

Weed-It system is proven to make significant savings on the cost of weed treatment. In addition, and perhaps more importantly, limiting the quantity of chemical used allows a high degree of safety to bystanders and operator as well as being kinder to the environment - an issue of great concern in today's improved awareness of environmental issues.

For more information contact: Tel: 01451 822897.

ZALLYS UK

Zallys UK expects that one of the most popular units in its new range of environment-friendly utility vehicles will be Jack. This three-wheeled, ride-on carrier has a zero turning circle, making it ideal for use in tight situations indoors and outdoors.

Jack helps give maximum working efficiency, being able to operate for up to eight hours from just one charge of its 24v, 80A battery. It is designed for ease of use, having fingertip control of forward and reverse travel, and the low footboard makes it easy to step on and off the machine. Maximum forward speed is a surprisingly high 6mph.

A wide range of platform and hopper options are available, making Jack suitable for transporting many different objects and materials in and around sports grounds, golf courses, parks, glasshouses, nurseries, theme parks, hospitals, airports and other facilities. Zallys UK can manufacture customised platforms to meet individual requirements.

Different wheel and tyre options can be specified for optimal performance on hard and soft surfaces.

Like other models in the Zallys range of powered carriers, Jack is driven by an 800W motor, powered by rechargeable, long-life batteries that give silent, non-polluting operation. The high specification batteries can be recharged in situ and are capable of at least 500 recharges.



TALKING HEADS

EDUCATION & TRAINING

1

How have you gone about establishing an Education and Training Budget which satisfies your needs?



Name: John Wilshire
Course: Tobermory, Isle of Mull
Region: Scotland
Course Type: Heathland and Parkland (nine holes)
Staff: One - me! (student in school holidays)

Don't have one. We couldn't afford it at our club where we struggle to balance our books with 120 members paying £115 subscription each year.



Name: Mike Davey
Course: Hazel Grove GC, near Stockport
Region: Northern
Course Type: Parkland
Staff: Head Greenkeeper plus five (two casuals in summer)

Basically we put money in the budget for education and training and then it is done on a voluntary basis and anyone wishing to progress is offered every encouragement.



Name: Geoff Henderson
Course: Kenwick Park Golf Club, Lincs
Region: Midland
Course Type: Parkland and woodland (18 holes)
Staff: Course Manager, plus five

We have links with local training groups. We don't have a special training budget as such but if we need the finance for staff training it would be available.



Name: David Ansell
Course: The Dyke Golf Club, near Brighton
Region: South East
Course Type: Downland (18 holes)
Staff: Course Manager plus five

We finance day release courses at Plumpton College and also Chainsaw and First Aid courses etc. We also pay for staff subs to BIGGA.



Name: Carl Horrax
Course: Salisbury and South Wilts Golf Club
Region: South West and South Wales
Course Type: Chalk downland (27 holes)
Staff: Course Manager, plus seven, plus mechanic

We have training and education programmes in place for everyone's requirements on the staff. We have appraisals to identify training needs.



Name: Bernard Findlay
Course: Portstewart Golf Club
Region: Northern Ireland
Course Type: 36 holes links, nine holes parkland
Staff: Course Manager, plus 12, plus mechanic, plus four part-timers

We have a budget which varies each year based on demand from the members of staff.