Show 1996

The 13 square metre budget roll can be laid in less than a minute, enabling landscapers to achieve cost savings in laying and production previously unavailable.

Eric Hunter

Eric Hunter and Co (Tools) will be showing a very large range of professional landscaping and horticultural hand tools by leading manufacturers. Hunters Tools has gained considerable recognition for value, service and attractive prices.

Appointed principal supplier to Glendale Industries in 1995, Hunters has also had the confidence of the Commonwealth War Graves Commission for over 15 years.

Many large DSOs and significant contractors have found Hunters a good firm to deal with.

Eric Hunter Grinders Ltd (an associated company) will be showing its world beating JUNO mower reel and bedknife grinder. Already installed into a large number of premier golf course workshops, this machine combines accurate "Relief Angle" grinding of reels and also bedknives on one machine. It is water cooled for health and dust suppression and all machines are fitted and with full training provided.

Landscape tool users and greenkeepers are recommended to visit this most interesting stand at Stoneleigh 1996.

Rhône Poulenc

Rhône Poulenc will be featuring its extensive range of turf products and also its total herbicides range.

New to the range is Spasor Biactive. The addition of this non-irritant, 360 g/L glyphosate based product enables Rhône Poulenc to provide customers with a complete range of options for total weed control.

The benefits of Spasor Biactive are: A new formulation system consisting of a new type of surfactant and an activator ensuring better product performance in a variety of situations; better rainfastness; less viscous and better tank-mixing; does not need wetters; more soluble in water; low foam formulation; can be tank-mixed with Freeway for combined knock-down and residual activity.

The wear and tear your tees suffer all year round puts a premium on turf with outstanding powers of recovery. That's why you should use Medallion turf from Rolawn.

It's ferocious rooting power ensures maximum penetration - ready to play weeks, even months, earlier. And Medallion turf is ideal for repair and renewal: order as much or as little as you need.

TRY BEFORE YOU BUY: contact your local Rolawn depot for a FREE sample and see the difference for yourself in days.

We have depots nationwide - to find your nearest, call 01904-608661 and ask for Customer Services.
Even the most Stubborn turf weeds won't see new SPEARHEAD coming.

Containing new chemistry, SPEARHEAD is a selective herbicide with the power to strike from out of the blue in any sports or amenity turf situation.

SPEARHEAD sets new levels of excellence, and controls not only the more common weeds of turf, but also the problem weeds such as Slender Speedwell and the Clovers.

With its approval for use on grasses as young as two months, low rates of use and clearance for knapsack application, now is the time to select SPEARHEAD - the ultimate all round weapon in the war against turf weeds.
Horticulture Industries Show 1996

**SISIS**
The new SISIS Cultiseeder is a pto driven disc seeder with a working width of 1.2m (4ft). The coulter discs vibrate using a new patented system to ensure a clean, deep cutting action without the weight required by other, conventional, disc seeders. Compaction problems are therefore greatly reduced. The discs can be preset to the required depth, at 50mm spacings. They are mounted on to two independently floating units to follow ground contours. Several different seeding rates can be obtained, including an ultra-low rate for bents. The seed hopper has a large (0.3 cubic metre) capacity and the seed is delivered, via tubes, directly into the slits cut by the discs. Rollers follow, to even out the surface, leaving minimal surface disturbance.

**Ransomes**
Professional grass and turf machinery suitable for maintaining a full range of sports, leisure and amenity areas will be exhibited by Ransomes at the forthcoming Horticulture Industries show. A total of five different cylinder mowers will be displayed encompassing the tournament quality walk-behind Greens Super, the productive Highway 213, the versatile T-Plex 285D, the high performance Fairway 305 and the formidable Commander 3500DX. Complementing this impressive display of fine finish mowers will be the T-51D "bat-wing" rider rotary with 2.97m (117in) cut width and 1.55m (61in) transport width, a Cushman 4-Wheel Turf Truckster, now with power steering, a Ryan GA30 solid and hollow tine aerator and the Ryan Mataway combined overseeder and dethatcher.

**Dixon & Holliday**
In recent years Dixon & Holliday knapsack machines have become established with greenkeepers and local authorities as the easy and safe means of cutting steep banks and tall hedges. Their hover hood mower, pictured above, incorporates the air cushion principle, but with the motor on the operator's back he has better balance and complete control of the mower. The machines are also no mean performers with string trimmer heads or steel sharpenable blades. Ease of changing heads gives D&H knapsack machines exceptional versatility in all its roles. The long reach hedge trimmer enables the operator to cut hedges over 3m high without trestles or ladders. As well as its range of knapsack brushcutters Dixon & Holliday will be exhibiting a complete range of accessories for its machines.

---

**WHOLE IN ONE**

**EVERYTHING YOU NEED IN ONE FERTILIZER**

This unique product, combining nutrition, conditioning and colour enhancement in one container, promotes robust rooting, even grass cover, microbial activity and a durable green-up in one operation. It allows the greenkeeper to get the whole job done in one go.

**AGRILAND LTD**
BLUE ROOF FARM
THROOP ROAD
BOURNEMOUTH
DORSET BH8 0DW
01202 532291
FAX 01202 535224

AD REF 84

GREENKEEPER INTERNATIONAL May 1996 23
Wetting Agents. You should know the score.

STRI WETTING AGENT TRIALS 1995
WATER PENETRATION 6 MONTHS AFTER INITIAL TREATMENT

Or to put it another way...

Where other leading wetting agents needed up to **SIX** treatments, just **ONE** application of Ultraflo did the same job, **FASTER**.

VITAX
Ultraflo
THE BETTER WETTER

Vitax Ltd, Owen Street, Coalville, Leics LE67 3DE
Tel: 01530 510060 Fax: 01530 510299
NEW PRODUCTS

The National 68 Triple Mower has been standard equipment for mower fleets with many contractors, public authorities and golf clubs, for over 20 years. Many improvements over the years have taken place keeping up to date with market changes and customer demands. The engine is now a Kawasaki, there are now six bladed cylinders, guarding and operator comfort has been improved but basically the unit has been the same in terms of performance since Allen Power Equipment first launched the 68 on the UK market as long ago as 1978. However, for 1996, comes the National 68 De Luxe. Aimed primarily at the golf club market, the new introduction has a 7 mph transport speed and electric starting Kawasaki 7.5hp engine as standard, full width rollers are also fitted. This new addition to the Allen National Triple range will be popular with golf clubs enabling much faster transportation of the mower around the course than the standard one speed model. The 68 DL still retains all the performance features of the standard model, which is known for its bank mowing-go anywhere capabilities, 68" width of cut and belt drive insuring contour hugging maintenance mowing. Also fitted with an ammeter and hour meter, the new National 68 D-L retails at £4995 + VAT.

As local authorities and members of the public become more aware of the damage and pollution chemicals can cause to the environment, there is an increasing demand to eliminate the use of these substances. The new Hoaf Weedmaster Infraplus from Industrial Power Units provides effective and safe weed control without the use of chemicals. The Infraplus system has been developed and engineered to control vegetation on paths, paved and gravel areas. Through the use of infra-red heat the plant proteins congeal and cause cells to burst. The flow of sap to the root system is broken down; photosynthesis ceases; the roots rot and the weeds die. The Hoaf Weedmaster eliminates the need for chemicals. Its design incorporates a stainless steel housing beneath which is a high performance burner. A thick layer of ceramics prevents heat loss and acts as an insulation barrier for the outside of the housing. The specially formed infra-red gauze is corrugated to increase the effective surface area of the heat produced. The Groundsman is targeted at Golf Course Maintenance, Golf Ball Recovery, Garden Centres, Small Estates, Large Gardens, Municipal Works, Holiday Parks, Caravan Parks, Riding Centres, Horticulture etc.

The Groundsman, pictured above, is a vehicle to fit in under the market for the excellent, but more expensive machines, already available, and to offer a basic and economic light utility for general purposes at under £2,500. It will shortly be available with fittings for specialist applications such as line marking, ball recovery, small spray bar or lance operations, and a fitted mower is currently under factory development. A video of the machine is in production as weather permits, and will be available for dealership promotion.

Spaldings has three new and differing launches which could help a greenkeeper measure up, rake it in and patch it up. To cope with the ever increasing demand for accurate measurements around farms, golf courses, parks etc, Spaldings sell an exceptionally accurate, substantially built American land measuring wheel (pictured below left) which incorporates a fully extendible handle and, claim Spaldings, is ideal for tough terrain conditions. The read-out on the calibrated gauge is to four digits and is in metres and decimetres. Spaldings also sell a range of rakes to suit many uses. The spring lawn rake is a versatile rake used for leaves, cut grass and those more delicate raking jobs around borders and shrubs. The 12 tooth garden rake being the general purpose 'workhorse' used for numerous jobs in all conditions. The 16 tooth wooden rake is the largest in the range and is used widely on golf courses.

Prices range between £13.50 to £24.00.

The first aid range consists of workshop size first aid kit to protect workers and profits, complies with statutory regulations for up to ten people. A smaller version of this is also available, which comes in its own pouch. The range also has an assorted plaster pack for topping up your first aid kits, and sterile eye wash can also be mounted on tractor cabs or workshop walls.

Spaldings has three new and differing launches which could help a greenkeeper measure up, rake it in and patch it up. To cope with the ever increasing demand for accurate measurements around farms, golf courses, park areas etc, Spaldings sell an exceptionally accurate, substantially built American land measuring wheel (pictured below left) which incorporates a fully extendible handle and, claim Spaldings, is ideal for tough terrain conditions. The read-out on the calibrated gauge is to four digits and is in metres and decimetres. Spaldings also sell a range of rakes to suit many uses. The spring lawn rake is a versatile rake used for leaves, cut grass and those more delicate raking jobs around borders and shrubs. The 12 tooth garden rake being the general purpose 'workhorse' used for numerous jobs in all conditions. The 16 tooth wooden rake is the largest in the range and is used widely on golf courses. Prices range between £13.50 to £24.00.

The first aid range consists of workshop size first aid kit to protect workers and profits, complies with statutory regulations for up to ten people. A smaller version of this is also available, which comes in its own pouch. The range also has an assorted plaster pack for topping up your first aid kits, and sterile eye wash can also be mounted on tractor cabs or workshop walls.
The new SISIS 321 tractor has been designed specifically for the maintenance of turf and artificial playing surfaces and is ideal for golf clubs, local authorities and sports complexes.

- 4-wheel drive
  Permanent drive to all 4 wheels
  Built-in hydraulic differential

- 32 h.p. engine

- Excellent manoeuvrability
  Power assisted steering
  Pivot-steer chassis

- Deluxe safety cab

- Versatility
  Operates range of more than 30 pto and towed attachments

- Patented weight-transfer system
NEW PRODUCTS

...area by 40% and its shape directs heat on to the weeds from varying angles. A regulator is used to adjust the gas supply and, depending on the size of the unit, the machine can be operated from between two and seven hours on one bottle of propane gas.

There are four models available. The Hoaf Weedmaster 25 is ideal for small confined areas and is particularly suitable for paths, driveways and play areas. The unit is lightweight to push and is easily manoeuvred around obstructions such as street furniture. For larger spaces there is the 50cm wide Hoaf Weedmaster 50. This machine is supplied with height-adjustable handlebars and front shield which is shaped to direct heat to the side for treating weeds against walls. A brake is fitted as standard to prevent the machine from moving when parked on a slope. At a walking speed of 2km/hr, the Hoaf Weedmaster 75 has a work-rate of 1500 square metres an hour. Double wheels are fitted for easy manoeuvrability.

Little Aston Golf Club had until recently a serious problem with Canada Geese landing on the lake near to the green on the 17th hole. They were then walking over the surrounding area, fouling the greens and fairways. This was both unsightly and unpleasant to play through, not to mention the damage being caused to the greens.

The club approached Drivall, the fencing specialist, to see if it could come up with any solution. Drivall suggested using an electric fence.

Drivall put together a portable fence kit, comprising PVC fence posts and white polywire to fence off 200 metres of the lake adjoining the 17th hole. To electrify the fence they used the Pel PE5 portable battery fence controller, which hangs directly on the electric polywire. It is powered by 2 x 1.5v torch batteries, and if the long life type are used, they will provide eight weeks continuous use before are charge. The kit takes less than 20 minutes to erect and can be removed easily for re-use. Also included are an earth stake and a warning sign.

A new lightweight pressurised water tank has been developed by the power tool manufacturer Stihl, to provide a mobile water source for the Stihl TS 400 cut-off saw.

The TS 400 is fitted with a water attachment as standard equipment. This takes the form of a clip-on hose connector which enables the operator to connect to a tap and supply water to the cutting disc to suppress dust created during the cutting of concrete, asphalt, stone, brick, ceramic or any other material which creates dust when cut.

With the availability of the new portable water pressure tank this dust control facility enables the user of Stihl cut-off saws to benefit from dust-free cutting even on the most remote sites such as motorways or high-rise developments where running water is unavailable.

Weighing in at 2.2 kg, Stihl's new pressurised water tank is two feet high and can hold over two gallons (10 litres) of water. This can be pressurised to approximately 50 psi (2 bar) to supply the water, which can be flow-controlled by a valve, to the cutting head jet.

These special facilities enable The electric fence proved to be extremely effective and the Canada Geese are no longer a problem in this area of the course. The club has, as a precaution, subsequently extended the electric fence to cover that part of the lake within its boundary.

Drivall can now offer these kits, boxed with easy to read instructions to other golf courses with a similar problem.

The price of a kit is £126.90, including carriage and VAT.

...
Dear Scottish Greenkeeper...

THE BIGGEST GETS BIGGER

CSC are a long established multi-million pound Scottish company and are currently the largest supplier of Amenity Pesticides in Scotland.

We are expanding further into the supply of quality turf management products including the market leading turf pesticides, premier slow release fertilisers, wetters and biostimulants.

From ATB Pesticide Instructors to award winning Greenkeepers our staff can offer you a proven comprehensive advice package.

It does not matter where you are in Scotland we can rapidly deliver from one of our 11 Depots.

For more information please phone 01738 623201

Stihl to be the first manufacturer of cut-off saws to meet COSHH regulations and the Health and Safety guidance notes on the inhalation of silica dust.

The new pressurised water tank costs £49.95 ex.VAT and is available from 1000 Stihl service centres nationwide.

A new way to treat problem dry spots on tees and greens comes in the shape of New Spot Doctors from Standard Golf. Attach to a hose and quick coupler to deliver penetrating, subsurface moisture right to the heart of the problem. The tools are available in two configurations.

The Spot Doctor Tine Unit works like a combination pitchfork and syringe. Just place the tines on the spot and squeeze the pistol grip. There’s no need to push or force the tines into the ground. Water pressure helps them slide through the soil like a hot knife through butter—delivering water to a depth of up to 6". When one area is saturated, simply release the grip, slide the unit out of the ground and position it at the next spot.

The Spot Doctor Roller Unit can be wheeled back and forth over dry spots like a vacuum cleaner. Straight stream nozzles force the water from half an inch to two inches below the surface, with the depth of penetration and water volume controlled by the rolling speed.

Hardi has launched a series of new Greensirons onto the amenity sports turf industry. The Greensiron 3000 is the one which will be of greatest interest to greenkeepers. Powered by a Honda 5.5hp engine the Greensiron 3000 includes tension and height adjustment and is ideally suited for variable top dressing application.

Operating side-to-side the turf broom and rollers quickly and evening knit in top dressing, creating a consistently smooth putting surface.

Reaching a speed of five mph it has a non-slip roller for wet and steep surfaces and weighs 690lbs.

Further information can be obtained from Hardi Tel: 01455 233811 Fax: 01455 233815.

Tacit has launched a new Lawn Leveller (below) for the maintenance and repair of golf greens. The Lawn Leveller, being a well balanced tool of superior design, is ideal for spreading sand, seed, top dressing etc. and will produce a super flat surface. The major refinement of the Tacit Lawn Leveller is that it is manufactured from round bar which will not scar the greens. The traditional lutes are produced from angled bar that has a tendency to gouge the turf. The Lawn leveller is, also, ideal for use on bowling greens and cricket squares. For further details contact Tacit on 01788 568818.
NOT QUITE THE SMOOHEST Finish
The only choice on the putting surface. 
Introducing the Greens King V.

It all starts with the superior cut you expect from Jacobsen. Then it goes a few steps further. Meet the new Jacobsen Greens King V Triplex Greens Mower. Lighter. Quieter. More operator friendly. More serviceable. More versatile (Just pull a pin to change a reel). More productive. In short, more of everything you need.

Ask your Jacobsen dealer for a demonstration today.
The only choice on the tees and surrounds.
The Tri-King 1900 Series.

For years, the Jacobsen Tri-King has been the professional's choice for tees and
surrounds mowing. The new Tri-King 1900 does the same great job.
Only Better. Take a look for yourself at a few of the reasons why. Rapid access
3-piece hood assembly, power steering, automatic 3-wheel drive. Then ask your
Jacobsen dealer for a demonstration. You'll find the name over the page.

THE PROFESSIONAL'S CHOICE ON TURF.
 Jacobsen's national parts and service support is widely recognised as the best in the turfcare business. Jacobsen now provides complete sales and service back-up for Gravely groundcare products and the Turfco top dressers. For further information please call your local dealer.
Hugh Tilley examines the unwelcome phenomenon afflicting many golf clubs and looks at crime prevention.

Security and vandalism

Sign of the times: Golf clubs need to be vigilant against intruders

Levels of theft and vandalism vary greatly around the country, some greenkeepers on urban courses wake up each morning wondering what they will find when they go out. Others have to send someone round the course before play just to replace flags and rakes, but still the majority seldom if ever have any problem. Thus many clubs take minimal precautions against theft, however a growing number have elaborate electronic surveillance installed.

Vandalism is often more of a problem than theft, for while the loss of a strimmer or Flymo is annoying, the destruction of a green upon which you have lavished care is heartbreaking as well as disrupting play. For obvious reasons none of the greenkeepers to whom Greenkeeper International spoke nor their club are named. Both municipal and private courses were contacted, most were parkland courses but in both rural and urban locations, and they were selected more or less at random along a line from Liverpool to North London. Also several commercial security firms were contacted, few have specific experience of protecting greenkeepers facilities, although none saw this as a problem should they be asked. Classified directories offer a list of local suppliers installers, but this does not vouch for their ability NACOSS approval should offer some guarantee of standard but it does not cover all systems. Greenkeeper International also contacted some suppliers of secure buildings and containers.

More than one greenkeeper...

BRILLIANT BOOKS at 25% DISCOUNT to readers of

Quantitative Techniques in Landscape Planning

Here's an exciting book that covers all aspects of landscape planning, from the initial study to the final stages of processing data and obtaining a classification of the study area. It clearly describes the process of conducting an assessment and the methods for using the information gained to form an analysis. It also discusses the application of optimisation techniques for assigning significance to points in the study area according to planning objectives.

Features:
1. Examples of techniques and area classification systems used in Europe
2. Covers every aspect of landscape planning
3. Discusses statistical methods for data interpretation
4. Describes the use of models in landscape planning

October 1995 • 320 pages • Hardback
ISBN 1-56670-157-0 • Normal Price £54.00
SPECIAL PRICE for Greenkeeper International Readers: £40.50

Managing Turfgrass Pests

This reference is a complete compilation of all the pest management practices currently in use. It contains an abundance of methods for diagnosing, identifying and controlling pests, and emphasises management, rather than the use of chemicals, as the major component of pest control. The practical advice is illustrated with over 200 colour photographs and detailed drawings showing grasses and turfgrass insects.

Contents include:
1. Monitoring disease and establishing thresholds
2. Diseases categorised by season
3. Seedling diseases and damping off
4. Factors associated with fungicide use
5. Insects and mite management

October 1994 • 200 illustrations • 400 pages • Hardback
ISBN 0-87371-999-9 • Normal price £65.00
SPECIAL PRICE for Greenkeeper International Readers £48.75

ORDER FORM

Please supply copy/copies of Quantitative Techniques in Landscape Planning at the special price of £40.50 per copy including post and packing

Please supply copy/copies of Managing Turfgrass Pests at the special price of £48.75 per copy including post and packing

I enclose cheque payable to BIGGA for £

OR I wish to pay by credit card. Please debit my

Access/Visa and please send by...

Card No

Expiry date

Signature

Name

Address

Return to BIGGA, Aldwark Manor, Aldwark, Aire, York, North Yorkshire YO8 2NF, UK.
commented that the need for security, was a sad reflection on the society we live in today, however several also said that they felt that golf courses fared better than many other businesses. There is remarkable acceptance of theft and vandalism — finding flags used as javelins, buildings broken into and the odd strimmer or hover mower lost would seem to be par for many courses. If you are visited once by the light fingered brigade you can expect more visits, they know when they are onto a good thing, so if the horse bolts once lock the stable door before you lose more. Only one incident was reported where the police had apprehended the thieves and recovered the goods.

Increasing numbers of clubs are thinking seriously about security, perhaps spurred on by their insurers and escalating premiums, perhaps by the general heightened awareness of security in the community, or perhaps actually by their mounting losses.

Vandalism
No one offered a complete answer to this, most clubs experienced some incidents ranging from the occasional to the regular — where Monday was always commenced by a hunt the flag exercise. Bikers on the course would seem a problem for some, and there are incidents reported of cars running riot across fairways and greens. One private course has security patrols over the weekend, another, a municipal course, used to have a mounted policeman on regular patrol until town hall politics stopped this. Some success was claimed for both of these. Otherwise precautions may be possible such as fastening down seats, waste bins and other course furniture, some items are available in vandal resistant and heavyweight designs with better resistance to destruction.

Public rights of way are often seen as a potential danger area giving ready access (and a fast exit) for the miscreant, however an alternative view was offered that they can be an advantage because it can put more eyes on the course. In fact one greenkeeper even suggested that encouraging the public to walk their dogs was one way of getting unpaid patrols, he did not go as far as suggesting putting in extra rights of way. Most clubs try to restrict access. One greenkeeper said he was lucky in that his course is ring fenced with just two access points — many others have this advantage. Once access is restricted it is easy to keep these locations under surveillance or even guard them.

Michael Webb, of Devizes based TH White Installations Ltd, said that options in these situations include installing closed circuit TV (CCTV) or even a dummy camera. TH White has a system called 'Vocalite' which, activated by a detector, switches on lights and announces that the alarm or CCTV has been activated. Crime-watch and other TV programmes has shown how effective the camera can be. However, Michael Webb said that it is vital to use the right camera with the right lens and position it correctly for the best picture.

Some clubs have the advantage of natural barriers, like the sea or a river, or man made barriers such as industrial estates or factories which have their own security fencing. Unfortunately the obvious intrusiveness of fencing detracts from the essence of a golf course, however physical barriers such as wood and shrub land can be equally effective, especially if species such as quickthorn, pyracantha and barber are planted.