
#### Abstract

There were so many new products launched at the BTME that we couldn＇t fit them all in last issue．．．


Barenbrug used the BTME to launch two low maintenance mixtures featuring Barkoel， crested hair－grass．Named Bar Slow Motion，the two mixtures are quick to establish but then produce unusually slow annual regrowth，according to Baren－ brug．The company says Barkoel＇s performance in dry and infertile conditions has been＂remarkable －actually performing better with－ out fertiliser．While in every trial， and in any application，Barkoel has shown drastic reductions in cutting frequency．At the rate it is used in Bar Slow Motion，a reduction in mowing of up to $50 \%$ can be expected．＂The mix－ ture aimed at greenkeepers for use on fairways and roughs is the one without Barcredo／Barlow
perennial ryegrasses．It features $35 \%$ Barkoel combined with four other varieties，each recording the lowest regrowth rating listed on the STRI Turf Seed Guide．

The new Beaver FM 514 five－ gang，self－propelled mower from Hayter has been designed specif－ ically for cutting fairways．It fea－ tures newly designed 26in fully floating cutterheads to follow precisely the ground contours． The mower is available with 7 or 11 blade cutting reels offering a clip rate of 131 or 206 per metre． It also has a wide wheel track of 1.46 m to ensure safety and stabil－ ity in difficult areas．Four－wheel drive is fitted as standard and when the going gets really tough the differential lock can be engaged．Hayter also claims excellent weight distribution has been achieved to minimise com－ paction and great care has been taken to obtain a tight turning circle with the minimum of tyre
Finance is for business purposes only in the UK and is subject to status． Written quotations are available on request from the address below： UFB Humberclyde，United House，Bartley Way，Hook， Basingstoke，RG27 9UF
marking．Power comes from a 29 hp Lombardini diesel engine．

Human error，particularly at the mixing stage，is one of the most frequent causes of disappointing results with pesticides．To remedy this，Levington Horticulture＇s turf fungicide and wormcast con－ trol product，Turfclear，is now available in pre－measured，water soluble sachets．The new option， Turfclear WDG，comes in a plas－ tic tub containing $10 \times 50 \mathrm{~g}$ soluble sachets which dissolve quickly and completely in water．Each sachet contains sufficient Turf－ clear to treat $100 \mathrm{~m}^{2}$ at the higher （disease control）rate and $200 \mathrm{~m}^{2}$ at the lower rate（wormcast con－ trol only）．Turfclear，which con－ tains carbendazim，will continue to be available in the traditional liquid concentrate formulation． Chris Kennedy，who uses Turf－ clear as part of the disease and wormcast control programme at Wentworth，says he will try the Turfclear WDG．＂I welcome any product which improves accuracy and efficiency，＂he says．

Rope and rope stakes are an easy， economical way of protecting high traffic areas and ground under repair．Standard Golf now offers green rope stakes and green and white polypropylene rope．The green rope stakes are available in two sizes－ 32 in for traffic control and 14 in for use along cart paths and around new plantings．Costing $£ 4.70$ and $£ 4.45$ respectively，each stake is $5 / 16$ in in diameter and is said to position easily with foot pressure， even in compacted soil．The loop at the top is designed to make it easy to attach or remove rope． The green and white polypropy－ lene rope－costing $£ 22.75$ for 500 ft －provides high visibility without disturbing the beauty of the course．Classic yellow rope and rope stakes are also avail－ able．

Standard Golf has also added a new＂bigger，better＂bunker rake to its range．The Tour Smooth Maintenance Rake is a mainte－ nance class version of its Tour Smooth Bunker Rake．With its 22 in wide，extruded aluminium head，heavy－duty teeth and extra－ long，powder－coated aluminium handle（ 66 or 82 in ），the new rake is said to be＂perfect for fin－


The new 422 Greens King pedestrian mower from Jacobsen complies with the latest EC regulations and is fitted with Operator Presence Controls（OPC）．It also has a 22 in cutting width and a high－ speed 11 －knife cutting cylinder． It is powered by a quiet 4 hp ， four－cycle OHV engine and， with its 11.5 in rollerbase， follows contours without scalping．The reel，roller and traction drum are all the same width．
ishing bunker edges quickly and professionally．＂Prices are $£ 60.33$ and $£ 51.43$ ．

An extension to D\＆E Turf Main－
tenance＇s premises in Bishop Auckland houses a new purpose－ built training facility where greenkeepers can receive practi－ cal and theoretical training in turf machinery maintenance．A con－ stantly updated fleet of machin－ ery will ensure that the training delivered is technically up to date，relevant，more specific and indepth than other training estab－ lishments，claims Edith Stephen－ son，director of education．Tel： 01388608620.

British Seed Houses introduced its new creeping bent，Providence （Agrostis stolonifera）．Bred by Seed Research of Oregon and marketed by British Seed Houses， Providence has high STRI ratings for all characteristics and is rec－ ommended for greens，tees and fairways．BSH claims：＂No other cultivar of Agrostis stolonifera has the outstanding high shoot den－ sity of Providence to quickly give a strong dense turf of even tex－ ture and，therefore，hard wear－ ing．＂BSH also says it is highly rated for its fineness of leaf，it has much shorter growth than other cultivars，it has good resistance to fungal diseases，it keeps an attractive colour throughout the season without heavy application of fertiliser and it produces less thatch than Penncross．＂Tel： 01925654411.

Autoguide Equipment has introduced a new flail mower. With a 1.5 m ( 59 in ) working width, the mower is designed specifically to fit on ride-on power units such as Ford CM224/274, Kubota F2000/2400 and Iseki SF300. The flail rotor, which carries 90 heavy-duty reversible back-toback grass flails, is dynamically balanced and runs in large sealed self-aligning ball bearings. Cutting height is variable and quickly adjustable without tools from a minimum height of $8 \mathrm{~mm}(3 / 8 \mathrm{in})$ to a maximum of 122 mm (4 $3 / 4 \mathrm{in}$ ), with the monocoque-constructed machine running on two castor wheels at the front and an anti-scalp roller at the rear. The side frames have anti-scalp skids and 'plygene' safety deflectors are fitted to both front and back. Price is $£ 2,575$ plus VAT.

Gannon's Aera-Vator AE60 150 cm width (for the compact tractor) now has a big sister - the Aera-Vator AE80 270 cm width. The Aera-Vator, which can be used for turf cultivation, seed bed preparation and bare soil conditioning, is available in standard form or with optional seeders, rollers and brush attachments. Prices start at $£ 5,692$, or it can be hired with all its attachments.

## Inventorlink Products Ltd is

 marketing a practice mat that enables golfers to practise on a slopping lie. The Quadra-Slope Golf Practice Mat enables golfers to practise on downhill, uphill, right to left and left to right slopes. Tel: 01713234323.
## Farmura Environmental has

 launched a new fusarium management product, Inhibiter. Working on the principle that prevention is better than cure, Inhibiter is applied before the onset of this major turf disease. But it is not a fungicide. A British development, Inhibiter is applied by spreader at 50 grams per square metre and stays active for 6 -8 weeks. It costs $£ 36$ per 25 kgs . Farmura managing director Jonathan Harmer says it should be used as part of an integrated disease management approach, that is, combining cultural, chemical, mechanical and now biological methods. "We are not in the magic business - no product can work in total isolation," he commented. Inhibiter should be applied 2-3 weeks before fusarium is expected. It works by stimulating soil bacteria which inhibit the activity of fusarium and enhance the plants' natural resistance to the disease. Tel: 01233 756241.Rolawn can now supply turf in a new roll size. The harvested dimensions of the 'Budget Roll' are 21 in wide x 77 ft 2 in long which yields approximatley 15 sq yds of turf on each roll. They weigh approximately 5 cwt . Price varies according to the grade of turf. All Budget Rolls are provided with netting as standard and have a circular core running through their centre which takes a standard 4 in forklift tine. Rolawn also has a new laying machine, the Turfmaster, which is 48 ins wide, 35 in high and weighs 132 lbs ( 60 kilos ). This

New from Ransomes is the Greenplex 160 hydraulic greens mower. Available in 19 hp diesel and 16 hp petrol-engined versions, prices excluding VAT are $£ 16,235$ and $£ 13,435$ respectively. Designed and built with continuous input from greenkeepers, the new triplex has three steerable cutting units producing a maximum mowing width of 1.6 m (62in). The cutting reels, available with either nine or 11 blades, can be set to cut at heights from 2$20 \mathrm{~mm}(0.078-0.78 \mathrm{in})$. At the recommended $6 \mathrm{~km} / \mathrm{h} \quad(3.8 \mathrm{mph})$ mowing speed, cutting frequency is every 5 mm ( 0.19 in ) using the 11-bladed reels. Maximum transport speed is $12 \mathrm{~km} / \mathrm{h}$ ( 7.5 mph ). Manoeuvrability is enhanced by rear wheel power steering which

requires just two and a half turns of the steering wheel to move from lock to lock. The result is an inside turning radius of 150 mm (6in) and an uncut turning circle of $685 \mathrm{~mm}(27 \mathrm{in})$. Features are a thoughtfully laid out operator's platform, high-back seat and adjustable height steering arm. A kick pedal is fitted to lift, lower and engage the cutting units, with a timed delay ensuring that all three units start and finish mowing in line every time. Backlapping can be carried out in-situ on the fully interchangeable units.
machine, which can be taken apart in seconds, can transport and lay the turf. Two Scottish courses, Gullane and Ythan, have already used it. Paul Seago, course manager at Gullane, said: "We laid 1000 sq yds in four hours on the first day using three men." This machine can be bought for $£ 395$ plus VAT or hired for $£ 15$ a day.

Huxley's new Turfblazer 91in Rotary Mower has been designed for rapid mowing of roughs and semi-roughs. The mower has a powerful 32 hp Yanmar diesel engine, optional four-wheel drive and a variable cutting width. The operator can quickly select a 56 in, 74 in or full 91 in mowing width using a hydraulic control lever next to the driving seat, enabling him to work in narrow
as well as open areas. The standard machine costs $£ 16,545$ plus VAT. Tel: 01962733222.

Turf Machinery Ltd has introduced a range of replacement cutting units suitable for Jacobsen and Toro greens mowers. Made from premium grade steel, the cutting units and accompanying verti-cut units are cheaper than manufacturer-branded originals. Turf Machinery's price for a Toro GM300 unit fitted with an eight-bladed cylinder, standard bedknife, grooved front and solid rear roller is $£ 740$ - a saving of more than $£ 400$. A nine-bladed unit for a Jacobsen Mk4 Greens King with tournament bedknife and grooved front and solid rear roller costs $£ 720$. Tel: 01483 764467.

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Fendress, using the original Fen Soil, is now manufactured in the North of England in association with Martin Brothers

Sisis used BTME to launch the Supa-Rotorake, a versatile, heavy-duty scarifier. Independently powered, the SupaRotorake has a range of interchangeable reels for all-yearround use. The thatch removal, thatch control, wire and brush reels rotate at high speed in the opposite direction to that of a conventional cylinder mower. The blades, therefore, cut upwards, continuously taking fibre away from the surface. This operating principle also holds the machine to the ground, maintaining a regular working depth. Tel: 01625503030.

Dax Products has launched a crystalline tree and weedkiller that breaks down into a nitrogenous nutrient in the soil once it has killed the plants to which it has been applied. Root-Out is designed for scrubland and brambles, and for killing trees and
their root system. It is not harmful to animals. Tel: 0602609996.

The first new Echo product to be introduced into the UK since Allen Power Equipment took over the franchise last year is the model HC2410 40in Hedgecutter. This single sided double reciprocating machine is powered by a Kioritz 23.6cc engine, featuring electronic ignition and diaphragm carburettor. Other features are a new commercial duty air filtration system, see-through fuel tank and a vibration reduction system. It weighs $12.6 \mathrm{lbs}(5.7 \mathrm{~kg})$ and costs $£ 408.47$ plus VAT. Tel: 01235813936.

Service Chemicals plc has relaunched Turfex Traditional, the concentrated wetting and penetrating agent. It is the same formula tried and tested by greenkeepers over the last eight years and is claimed to be the


Ultra Plant has launched a new high lift trailer, the HL40. The trailer cuts down on shovelling and double handling of materials and the scissor action design means sand and other materials can be directed straight into difficult locations. Managing director Kevin Gates tells us: "The trailer can drop from a height of over 6 ft direct into bunkers, topdressers, drainage hoppers and skips. Jobs that normally take two or three men can now be done by one and the ingenious floating axle design prevents damage to bunker edges and other delicate surfaces. And, of course, it can also tip as a standard trailer." Tel: 0868747582.
only product of its type fully evaluated in independent tests by the STRI. A free 12 -page colour booklet explaining the management of dry patch and related problems and how to use wetting agents effectively is now available from Service Chemicals ple at Lanch-
ester Way, Royal Oak Industrial Estate, Daventry, Northants NN11 5PH. It is called The Turfex Guide to Dry Patch and Compaction. For further information about Turfex Traditional call distributors Amenity Technology on 01734510033 .


