

John Deere's new Turf General 2030 utility vehicle



John Deere's new Turf General 2030 utility vehicle can be used as a general materials transporter or with specialist turf maintenance equipment for a wide range of applications in the golf & turf and commercial grounds care markets. It was previewed at BTME99, before being officially launched in the UK and Ireland in the autumn.

The standard tipping cargo box has a capacity of 876kg, and towing capacity at the rear hitch is 680kg. Overall capacity with driver, passenger and loaded attachment is 1203kg, while unladen weight is 841kg.

In addition to the cargo box, it can be fitted with a range of different attachments utilising the vehicle's hydraulic services and mechanical pto. These include sprayers, spreaders, top dressers, materials collection systems and adapter kits for other turf maintenance equipment.

The new 180A walk-behind greens mower made its first ever appearance in Europe at the show. This is an 18in version of the established 22in 220A model.

It has been introduced to the John Deere range as a result of customer feedback, and provides an alternative choice for greenkeepers working on undulating greens, where the narrower configuration provides better contour following and reduces the risk of scalping.

The 180A mower incorporates an 11-blade, 46cm reel, delivering a high quality cut at up to 3.4mph, with adjustable cutting height.

Dual aluminium traction rollers are fitted, covering the entire length of the bedknife. An external differential drive splits power to both the rollers, allowing straight tracking and easy turning.

Toro launched a new subsurface injector at BTME99 is designed to save greenkeepers' time and money in controlling soil-borne pests and diseases, as well as being safer and more environmentally friendly.

The unit employs a sprayer with a 160-gallon tank hooked up to a coulter blade system, and is towed behind a tractor. There are 16 blades and spraying is carried out at low pressure up to 200psi to a depth of up to one inch.

This also can mean savings on chemicals through reduced application rates and frequency of treatments - while putting chemicals directly into the ground eliminates drift and run-off.

Toro Commercial Products' UK distributor, Lely, expects a lot of initial interest from greenkeepers as the product has some unique features.

The new Toro Reelmaster 5400-D four-wheel-drive fairway mower introduced at BTME is designed to offer a more powerful alternative to the company's Reelmaster 5200-D launched last summer. Both machines are Toro's response to customer calls for a competitively-price and more simply-engineered fairway mower

with a lower specification and less-sophisticated features.

But whereas the 25hp 5200-D is designed particularly for links and heathland courses where grass growth rates are lower, the new 5400-D is fitted with a Kubota turbo-charged 32hp engine for customers who want extra horsepower for more-severe cutting conditions.

The Reelmaster 5400-D 4WD costs £29,155 ex VAT.

UK greenkeepers were the first to get a look at Toro's new generation triple mower the Reelmaster 3100-D Sidewinder - when a prototype of the revolutionary machine made its world debut at BTME98. Now the final production version was on show at BTME99 and the first models of this unique mower will appear on the golf course this season.

What makes the Sidewinder an industry first is that its three cutting units can be moved left or right.

Toro is also offering the Reelmaster 3100-D without Sidewinder and this machine shares the same high power-to-weight ratio and unrivalled traction for hillside working.

Toro's new subsurface injector



Barenbrug UK's new amenity grass seed catalogue features a number of recommended mixtures and varieties made them worth extra investigation at this year's BTME.

Bar Extreme has an improved formula for 1999, combining heavy-duty perennial ryegrass with remarkable fine turf characteristics. It is perfect for golf tees and fairways; wherever extreme wear tolerance must be balanced with a fine appearance.

The new, very fine leafed perennial ryegrass Barenbrug gives this mixture its good looks. Extensive trials have shown its

excellent tolerance to close mowing. Bar Fairway is a new addition to the Bar range, containing some outstanding cultivars. Offering the best resistance to disease and withstanding drought well, Bar Fairway gives a fine, quality sward. There are also two new hard fescue cultivars to look out for, which are ideal in low maintenance areas, particularly in dry or infertile conditions. Barreppo has fine, mid green leaves and develops into good dense turf which resists red thread and tolerates frequent mowing. Bardur has dark green leaves, which are even more resistant to red thread. High shoot density makes it an interesting component of fine turf mixtures and it can tolerate mowing down to 7mm. Like Barreppo, it has good tolerance to drought and low fertility conditions.

Companion is the unique microbial turf inoculate, new from **Amenity Technology**. It contains the active ingredient *Bacillus subtilis* GB03 and other beneficial microbes that backed up with over three decades of research. *Bacillus subtilis* GB03 is a beneficial microorganism that quickly colonises in the soil, crowding out invading pathogen and producing a natural antibiotic as it grows. Companion has been shown to dramatically reduce the occurrence of a large number of diseases including *Fusarium Patch* and *Anthraxnos*. Unlike most other microbial inoculates *Essential* is a 100% natural organic soil conditioner and rooting biostimulant. As part of the holistic approach to plant care, it feeds soil microorganisms, improves the soil structure and supplies nutrients not available in N-P-K fertilisers. *Essential*'s rich carbon based solution decomposes in the soil, acting as a food source for beneficial microorganisms. Active humic acid reduces compaction, while improving the cation exchange capacity. *Amenity Technology* also launched the new Bayco European range of Golf Course Accessories. The range features six and eight feet flag pins complete with UK ferules, UK hole cups and tie on flags.

Hydraulic frame for the 'H' models has been simplified and now runs on four small low ground pressure transport wheels reducing ground compaction and the price.

The central quick adjustment lever for ease of adjustment of the tine angle has already proven itself with the 7212 and 7316 models. Now this special feature has been built into these bigger machines. Maintenance free self lubricated sealed bearings on all pivot points. This innovation saves the operator many hours greasing. Only the crank shaft and rollers retain their grease nipples.

All models are supplied with a standard rear roller. These not only provide the customer with an extra facility but also acts as a storage stand too. Both front and rear rollers have integral scraper bars.

A standard tool box is integrated in the Verti-Drains, containing the manuals and a combi-tool.

Turf Fingers are optional. These can be used when working with weak turf and helps to keep the turf in position while verti-draining.



The new generation of Verti-Drains from Redexim Charterhouse

Textron Turf Care and Specialty Products launched new products under the Jacobsen, Ransomes and Izeki names. Jacobsen has added two all-new light-weight fairway mowers to its range of high performance turf-care machinery. Labeled the LF 3400/LF-3800, the five unit mowers combine durability and productivity whilst retaining low ground pressure.

Available with two- or four-wheel hydrostatic drive, the new LF models are powered by 34hp (LF-3400) and 36 hp (LF-3800) water cooled diesel engines, producing a maximum working speed of 7.5 mph (12 km/hr). Power steering, tiltable steering column and an hydraulic oil monitor with horn alarm, all are standard.

The five cutting units span 8ft 4in and use Jacobsen's well-proven FlashAttach reel-mount system for fast, easy maintenance, adjustment and changeover to verti-cut reels, available as an option. The reel diameters are 7-blade 5in for the LF-3400 and 11 blade 7 inch for the LF-3800.

The operator's platform offers clear, uncluttered access from either side and the controls are ergonomically placed to one side of the driver. All regular service points are easily accessible. Both models are supplied with an integral roll-bar. Price of the LF-3400 begins at £25,640.00 + VAT (4-wheel drive £29,215.00 + VAT), and the LF-3800 at £33,150.00 + VAT. The Ransomes G-Plex 11 supersedes the acclaimed Greensplex 160.

Containing a host of features designed to enhance performance, productivity and ease of servicing, the G-Plex 11 is available with a choice of high-efficiency 18hp

Nearly two years after the introduction of the new smaller Verti-Drain Models 7212 and 7316, **Redexim Charterhouse** has introduced of the new generation bigger models of Verti-Drains. The machines were in fact ready for launch last autumn but Redexim, the Dutch Company who supplies the Verti-Drain, wanted them tested in extremely tough conditions throughout the autumn and prior to their debut at the BTME.

The machines have a rounder more appealing appearance but the real differences are technical and are summarised in the following points:

Textron Turf Care and Specialty Products launched new products under the Ransomes, Jacobsen and Iseki names respectively



Shortcut contains the new active ingredient trinexapac-ethyl, and has been the subject of an exhaustive series of UK trials over more than three years. The development work on Shortcut has involved research work at Scotts Levington Research Station as well as "in use" trials at a number of prestigious venues around the UK, including Wentworth and Loch Lomond Golf Courses.

Consistently, Shortcut has successfully reduced mowing requirements by 50% on fairways and tees, freeing up labour at times of peak demand for mowing and other cultural activity. Crucially, turf responds positively to treatment with Shortcut, with trial sites also reporting enhanced colour, thickening of the sward and improved root development following application.

It works by restricting the lengthening of leaves and internodes over a period of four to six weeks. Because of this mode of action, Shortcut is able to reduce mowing requirements by 50% without sacrificing sward vigour and wear resistance. Scotts UK Professional launched a new, improved turf wetting agent at the BTME exhibition this month.

Aquanova replaces the old Levington Aquamaster and offers greenkeepers and groundsman a better performance in use and improved value for money. Aquanova is designed to improve water penetration in turf areas, reducing surface water, encouraging deeper rooting and combating dry patch.

Importantly in this market, given recent publicity, Scotts Aquanova does not contain environmental oestrogens.

Aquanova is available through the Scotts Master Distributor network in 10 litre packs, two to an outer.

petrol or 18.8hp diesel engines. Tandem hydrostatic transmission and reel pumps are direct driven by the engine, eliminating the need for belts and pulleys, reducing sound levels, vibration and maintenance.

A notable feature of the G-Plex 11 is its patented centre reel which pivots sideways clear of the mower for convenient adjustment and servicing. In work, an automatic time delay lowers and raises the centre reel after the front two units to maintain an in-line finish at the perimeter of the green.

It also has a number of design points which help enhance mowing performance and ease of use. These include a patented stabiliser linkage which levels the cutting units parallel to the ground during lifting and lowering, ensuring an even, level cut on undulating terrain and eliminating unit bounce in transport.

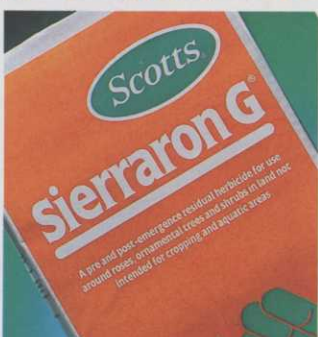
Two new ride-on rotary mowers were introduced by Iseki for the 1999 grass-cutting season.

Known as the SF200 and SF230, the new mowers are powered by 20hp and 22.5hp water-cooled diesel engines respectively. Both have two pedal hydrostatic transmission offering infinitely variable forward and reverse travel up to a maximum speed of 8.4 mph.

Maximum cutting performance is assured by rugged, shaft-driven Iseki mower decks available in 48in and 54in working widths. An hydraulic weight transfer system between the deck and power unit maintains maximum traction at the driving wheels while helping minimise grass damage.

The Iseki SF200 and SF230 ride-on front mowers are proved from £7325.00 + VAT (SF 200) & £8890.00 + VAT (SF 230).

Scotts UK Professional launched an exciting new product at BTME which can halve the amount of time grounds and greenkeeping staff need to spend mowing grass freeing up valuable man hours for deployment on more meaningful tasks. The product is Scotts Shortcut, a grass growth control agent which, unique among currently available growth regulators, reduces grass growth without sacrificing sward vigour and appearance.



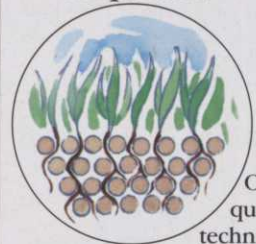
Exciting new products from Scotts UK Professional, launched at BTME99



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