

NEW PRODUCTS

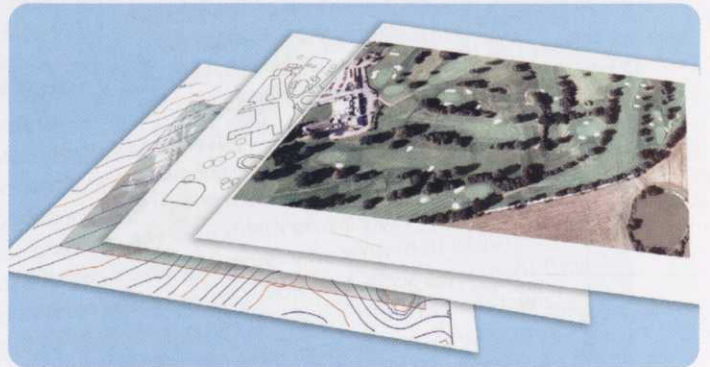
QUICK ON THE DRAW

A good set of drawings is a real asset for helping maintenance and when alterations are to be done. Accurate plans used to cost thousands, but can now be achieved on a realistic budget. Tonick Watering can now provide large scale drawings containing a wealth of detail derived from the latest in aerial photography and radar. A poster-sized colour photo is also included.

The new golf course mapping service provides detailed plans of the course which is achieved by means of a novel approach to scale drawings and colour photography based on aerial data. The plans are derived from stereo photography combined with radar elevation measurement which provide a wealth of detail. The resultant plans can be optionally augmented with accurate positions of sprinklers, valves, drain points, cable and pipe runs via a simple GPS ground survey conducted with the Greenkeeper in just one day; because the main features are provided by the photograph, this survey will cost a fraction of a conventional ground-based one.

The many benefits of accurate plans include minimised maintenance cost with less chance of damage to existing pipes and cables, assistance with water legislation compliance and planning applications and reduced design cost for new course features. Also, the plan can be loaded in to a PC to allow graphical control of irrigation.

The plan set comprises a poster-size colour aerial photograph, a tracing to the



same scale of the greens, tees, bunkers, fairways, wooded areas, lakes, visible paths, buildings and car parks and a contour plot.

From the included data, water-run-off models can be constructed to help with environmental impact studies or winter storage lake design. Optional software allows simulated flight around the course at any height which can help in the concept design of new greens and tees.

FIRST CLASS POST

Whatever your fence post needs, QwikPost from Catnic has the solution.

QwikPost enables the fast and easy installation of fence posts with a selection of products that can accommodate any ground type. Choose from a range that comprises the QwikPost Spike, Concrete In Post, Bolt Down Support and, an extremely popular winter seller, the Repair Spike.

For soft ground areas, the QwikPost Spike only requires hammering in. A twin bolt system for secure fixing, the Spike is manufactured from robust galvanised steel for strength and durability and will accommodate all standard sized fence panels. It can also be used on rocky or stony ground, which has first been checked for major obstacles.

In hard standing areas or where the ground prevents the use of QwikPost Spike, QwikPost Concrete-In Post is ideal. By placing the unit in a pre-dug hole and filling with concrete, the Concrete-In Post is simply placed into position.

Finally, the QwikPost Repair Spike provides a solution for broken posts in concrete. The base of the broken post is squared off and the Repair Spike is tapped between the old post and the concrete base until the box of the Repair Spike is just above the level of the concrete. The new fence post is simply inserted and tightened.

All the products in the QwikPost range feature the new Square Neck Twin Bolts, designed to make installation far easier and requiring only one spanner to damp the timber fence posts securely in the supports.



CHIP OFF THE OLD BLOCK

The Eliet range of chipper/shredders distributed by Pinnacle Power Equipment have been imported for five years and the line up includes domestic and professional models.

Introduced for 2003, the new Eliet Primo model is powered by a 4hp Honda GC135 engine, and has a chipping capacity of 35 mm.

A 60-litre collection bag is supplied as standard and the whole machine weighs just 32kgs.

The Primo uses the tried and trusted unique Eliet blade design, delivering 18,000 cuts/minute that enables even wet material to be shredded.

Featuring compact design for easy storage, the Eliet Primo measures 740mm x 500mm x 740mm and retails for £695 inc. Vat.



CLEAN GET AWAY

Bio Series, distributed by Hydroscape, is designed to deal with some of today's toughest wastewater applications. The biological treatment turns organic contaminants (oil, grease, herbicides and pesticides) into carbon dioxide and water, through the process of biological digestion.

Equipment is driven on to the wash down area and either hosed down from one of the integral hose outlet points at a pressure of 50 psi (3.4 bar), or pressure washed as necessary. Contaminated water is then channelled to catchment channel drains and flows to the sub surface catchment basin. A heavy-duty sewage cutter pump transfers all waste products to the waterfall solid separator chute, depositing debris into a wheeled cart for disposal.

The filtered liquid then enters the first chamber of the stainless steel bio-reaction tank where solids are precipitated out and the microbiological digestion begins. Model B10-25R has a bio reaction tank housing 3,456 sq.ft (321 sq.m) of biological media with the larger model, B10-35R, housing 6,480 sq.ft (602 sq.m). Water flows through the media and through a tortuous baffle path to ensure maximum contact with the microbe population. Microbes treat the water by consuming a broad range of organic constituents i.e. herbicides, pesticides, oils, greases, petro-carbons etc., turning



them into carbon dioxide and water. Microbes are added monthly to ensure proper and continued colonisation – a process called inoculation.

The system incorporates a unique aeration procedure that quietly injects large amounts of oxygen, in the form of micro-bubbles, to maximise the amount of dissolved oxygen into the water.

Once water is biologically treated a pressure tank and pump system delivers treated water up to a rate of 25gpm (113.5 lpm.) at a pressure of 50psi (3.4 bar) back through 3 integral hose point connections for the washing of further equipment, creating a "closed loop" washing system.

The Bio Series system is fully automatic and B10-25R can treat up to 3,000 gals (13.620 ltr) per day or two hours of continuous washing, if all hose outlets are being used simultaneously. The larger version, B10-35R, treats up to 4,500gals (20.430 ltr) per day at a flow rate of 45 gpm (204 lpm) .

It is believed legislation will shortly be introduced requiring all wastewater from non-domestic environments to be treated prior to disposal. Bio Series will do just that with the added plus of being environmentally friendly. It is the ideal system for those operating in golf course and sports ground maintenance and almost anywhere the treatment of wastewater prior to disposal is necessary.

HANDY SIZED

David Jenkins Turfcare Equipment have published their first full colour brochure in a handy A5 pocket size. The 16 page booklet contains the full range of products available for the turf professional from the new company formed last year at Dunsfold, near Guildford, Surrey.

The line up of products in the new catalogue has been especially selected by David and his team to offer their customers the very best in professional turfcare available anywhere.

Powered machinery in the catalogue ranges from the DJ Plugger Aerator, the new DJ Turfcare designed and built linear aerator system, plus shredders, scarifiers, cylinder mowers and sprayers.

The number of hand tools featured in the brochure is extensive and vary between soil samplers to spreaders and from rakes to rollers.

Copies of the new brochure can be obtained by telephoning 01483 200976.

MULE TRAIN

Kawasaki has launched its new Mule Diesel 3010, a tougher, stronger and more durable than predecessor, the Mule Diesel 2510, establishing it firmly at the top of Kawasaki's utility vehicle range.

The UK utility vehicle market is burgeoning and the launch of the Diesel 3010 is aimed at all sectors demanding power, reliability and performance, but at the same time tighter control of operating and maintenance costs.

The 23 hp, four-stroke, liquid-cooled, 3-cylinder, diesel engine delivers rakes of unstinting low RPM torque, but they have produced their largest and highest capacity Automatic Power-Drive System on an ATV or Mule.

With its new pick-up truck styling and sturdy and flexible load carrying capability for which it has received widespread praise, the Diesel 3010 has also received enhanced drive line durability with a heavier-duty rear differential, heavier-duty rear bevel gear set and a stronger rear axle assembly.

CLEAN AS A WHISTLE

All ground maintenance equipment works in relatively hostile conditions and

subjected to either mud or dust, so cleaning down after use has a number of benefits.

Machinery is much easier and pleasant to work on when carrying out maintenance or repairs; any missing components, damaged cables or hydraulic hoses are more likely to be spotted, while well-kept plant is more saleable

The latest professional pressure washers from Briggs & Stratton Power Products are ideal for cleaning equipment down, fast and efficiently.

Two units are available, the BPW2700 and the larger BPW3500. The BPW2700 has a 7.5hp Vanguard engine and produces a maximum pressure bar of 180 (2700 psi) while the BPW3500 has a top output of 241 (3500 psi) and is powered by a 13hp Vanguard unit.

Both machines are fitted with a thermal pump relief valve and come with 15 metres of hose and a lance with five quick connecting nozzles.

The frame assembly is designed to withstand the units being manhandled on and off vehicles and the wheel kit makes them easy to manoeuvre around sites.



SEEDS OF SUCCESS

Barenbrug UK's latest Amenity Grass Seed and Wildflower Mixtures catalogue details the latest introductions from the company. These include Bargold perennial ryegrass, the finest-leaved variety on the market, with a tolerance of close mowing that makes it suitable even for golf greens. Other new perennial ryegrasses from the specialist breeders include the highly wear-tolerant Romance for winter pitches, and Bartwingo which has excellent shoot density and superb cleanness of cut, making it a preferred choice for medium/fine turf applications and turf production.

Barlouse, another new perennial ryegrass, has excellent disease resistance and good wear tolerance.

For 2003, Barenbrug have introduced Baronie, a fast establishing smooth stalked meadowgrass with strong disease resistance, along with Barifera creeping bent, bred specifically for northern Europe offering excellent recovery from damage.

Making its debut during 2003 will be the Barenbrug-bred rhizomatous tall fescue, Labarinth RTF producing an astonishingly dense root system that recovers quickly from damage and can fill in patches in a sward.

