

NEW PRODUCTS

Vanguard engine line added

Briggs & Stratton is making a new Vanguard engine line.

The 4.5-, 8.5- and 12.5-horsepower singles and 12.5- and 15-horsepower V-twins are designed for maximum operator comfort and quiet operation.

The 4.5 OHV engine features full pressure lubrication for

outstanding bearing life, and the spin-on oil filter adds lube efficiency. The 200-square-inch tri-phase air filter insures clean air to the carburetor.

Contact Briggs & Stratton Corp., P.O. Box 702, Milwaukee, Wis. 53201; (414) 259-5333. Circle No 269

Jacobsen adds power and speed



Jacobsen's Turfcut

Jacobsen has improved on its Turfcut models by adding more power and faster ground speeds to its top-of-the-line Turfcut out-front rotaries—the 36-hp gas T436G and 22-hp diesel T422D.

The gas-powered, four-cylinder Continental engine makes the T436G the most powerful Turfcut, producing up to 58-foot pounds of torque.

The new 72-inch Deep Tunnel rotary deck mounts up front on both units for productive cutting of tall, thick grass with smooth, efficient clipping discharge.

Jacobsen's dual-range transaxle now gives 10 1/2 mph in high range and 5 1/2 mph with increased engine torque for driving the rotary deck and a variety of other implements.

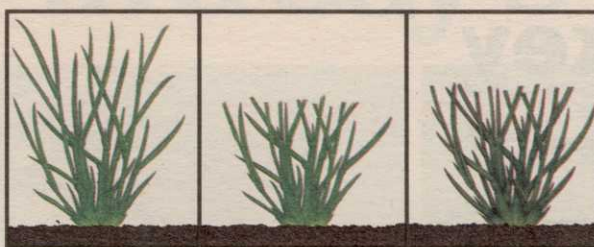
The two machines have hydraulic PTO implement drives that use specially designed high-efficiency gear motors to power the front-mounting implements. The company says this design eliminates maintenance problems associated with many moving parts of a mechanical PTO.

For more information, contact the Marketing Department, Jacobsen Division of Textron Inc., 1721 Packard Ave., Racine, Wis. 53403. Circle No 231

This is where perfect lies start on your fairway. New Cutless 50W from Elanco.

Unlike other turf growth regulators, new Cutless doesn't stop the development of warm and cool season turfgrass. Instead, it reduces or slows your turfgrass's growth rate by shortening the internodes of the growth stem with no adverse effects on their roots. The result is improved turf quality and more playable fairways.

With Cutless, your turfgrass appears thicker and stronger for a denser, more consistent playing surface. Golf balls just naturally sit up better.



1. Sprig of grass in normal state.
2. Seven to 10 days after Cutless application, mowed sprig sometimes exhibits slight discoloration of treated area and leaf tip browning.
3. Growth reduction peaks between third and eighth weeks, accompanied by darker green coloration and increased tillering.

Don't just take our word for Cutless. Take it from Scott Niven:



Scott Niven
Superintendent, Stanwich Club
Greenwich, Conn.

"I've reduced clippings 30 to 50% when we mow fairways. My guys don't have to empty the baskets as much, so we save time and money on labor. But I think the best advantage is the reduction in the amount of water you have using Cutless. It's a marked difference."

"Initially, you get so little discoloration with Cutless that a golfer would never notice it. But after 4 weeks, the difference was between night and day on how dark green the Cutless turf was."

"Cutless helped us convert from 80% Poa annua to over 95% bentgrass within five years. But I'm just as impressed with how Cutless creates a much thicker turf. It makes the grass as tough as nails, helps the ball sit up higher for our golfers."

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Find out more about giving your course more playability with Cutless. See your Elanco distributor. Or for a free brochure, call toll-free: 1-800-352-6776.

Elanco Products Company
A Division of Eli Lilly and Company
Dept. EM-455, Indianapolis, IN 46285 U.S.A.
Cutless®—(flurprimidol, Elanco)



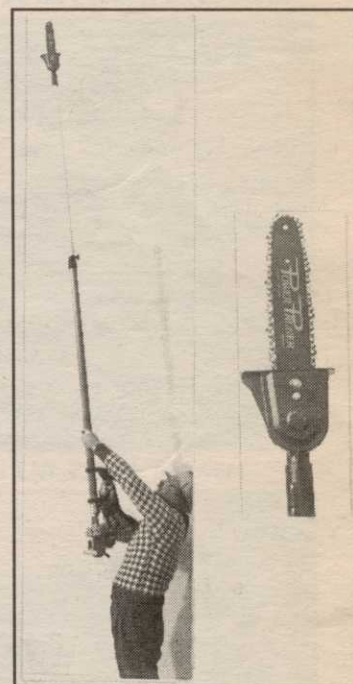
Cutless also reduces your water use, resulting in less turf wilt. And lower irrigation costs.

But Cutless does more than that. Much more. It also gives your turf a rich, darker green color.

Because Cutless-treated grass grows at a slower rate, there's also a dramatic reduction in clippings. Up to 50% less. With less mowing frequency. Also up to 50% less. You not only save time and labor costs, you

can also manage your hard-to-mow areas more efficiently.

Here's another added benefit with Cutless. As your turfgrass grows up thicker and more competitive, there's less room for troublesome weeds to interfere. Cutless also helps crowd out *Poa annua* for conversion to a more desirable turfgrass such as bentgrass.



Distant pruning made easier

The development of Power Pruner by Technic Tool Corp. has made pruning trees easier and less expensive.

Power Pruner's patented telescoping splined aluminum drive shaft extends or retracts with a twist of one knob from 7 feet to 11 feet so you can trim up to 10-inch limbs 17 feet high while standing on the ground.

The gas-driven 16-pound pruner has a patented cutting shoe that steadies the tool for a quick, clean cut.

It is designed for safety with its telescoping shaft that allows workers to stay clear of falling branches.

Contact Technic Tool Corp., 0309 Second St., Lewiston, Idaho 83501; 1-800-243-9592. Circle No 251

Kubota unveils wheel loaders

Two new articulated wheel loaders, the R310 and R410, have been added to Kubota Tractor Corp.'s growing product line of compact machinery.

They are said to be ideal for construction and landscaping.

They have a strong channel frame design and feature L.S.T. — load sensing transmission — which automatically changes from high speed with low torque to low speed with

high torque as load conditions vary.

Each is equipped with a liquid-cooled, four-cylinder super five engine. Both engines are designed for low noise and offer a self-bleeding fuel system. The R310 has a TVCS injection system.

These loaders have four-wheel drive and fully articulating steering at angles of 41 degrees for the R310 and 40 de-



grees for the R410.

Contact Kubota Tractor Corp.,

550 W. Artesia Boulevard, Compton, Calif. 90220. Circle No 234

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July Feature: Mowers, Tractors and Accessories.

GOLF COURSE NEWS

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Sun Caddy System taps solar power

The Sun Caddy System, which charges golf car batteries by converting sunlight into direct electrical current and is said to save money and energy, has been introduced by McCoy Industries, Inc.

The Sun Caddy canopy over the golf car collects solar energy as a continuous power source when exposed to sunlight, allowing cars to travel more rounds without a charge.

McCoy says courses can reduce battery charging by 70 percent or more, and extend the life of batteries by reducing the number of conventional charges they must take. A solid-state charge meter is included.

The lightweight frame and easy installation allow the Sun Caddy to be removed from old cars and installed on new ones easily. It fits any make or model of electric golf car, McCoy says.

For more information contact McCoy Industries, Inc., P.O. Box 2200, Suite 388, Sarasota, Fla. 34230; 813-371-0139. Circle No 245

E-Z-GO kit converts cars for more uses

The new E-Z-Go Convertible Car Kit, which may be used as a personnel carrier, light hauler and golf car, was reported in the April issue but the company's address was deleted in the printing process.

With E-Z-GO's new kit, you can put the rear seat in place and it can carry four passengers with ease.

Flip over the rear seat and it becomes a 38- by 35-inch cargo deck with an 800-pound load capacity. Fold the cargo deck for a bagwell that accommodates two golf bags.

Contact E-Z-Go Textron, P. O. Box 388, Marvin Griffin Road, Augusta, Ga. 30913-2699. Circle No 228

Lebanon's 2 in 1 time-saver

The address for Lebanon Total Turf Care was deleted in the printing process of the April issue when the company announced a product for Southern turfgrasses it feels can save time and money because it is two products in one.

Lebanon's Country Club 7-3-22 with Ronstar is a granular fertilizer that contains 1.73 percent Ronstar pre-emergent herbicide.

Its homogeneous 7-3-22 35-percent organic fertilizer base has W.I.N. and promotes turf growth and rich color.

Lebanon says the product is for use on established perennial bluegrass, Bermudagrass, perennial ryegrass and St. Augustinegrass, killing annual weed seeds as they germinate.

Contact Lebanon Chemical Corp., P.O. Box 180, Lebanon, Pa. 17042; 1-800-233-0628. Circle No 229

Cushman makes low-profile sprayers

Two new turf sprayers with low-profile tanks are now available from Cushman Division of Outboard Marine Corp.

The sprayers are available in either a 120- or 150-gallon tank size, and both are designed to mount easily on Cushman Turf-Truckster chassis.

Both spray tanks are lightweight, centrifugally cast fiberglass, colored to resist ultra-

violet action on the contents. The tanks feature a sloped bottom and center sump for complete drainage.

The tanks feature a new quadra-jet agitation system that constantly recirculates the contents to maintain proper chemical mix.

Fifteen- and 20-foot booms are available, both in three sections with outer boom guards and four-way spring-tension hinges

to provide bread-away action if the outer boom hits a tree or other object. The spray booms are "dry" type, with half-inch supply hose attached that allows for variable nozzle spacing.

Sprayer controls are mounted on an adjustable pedestal for easy operator access from the Turf-Truckster seat.

The sprayers can also be equipped with an optional spray gun to spray trees or other hard-



to-reach areas.

Contact your local Cushman dealer or Sales Department,

Cushman Division, P. O. Box 82409, Lincoln, Neb.; 1-800-228-4444. Circle No 232



Radio called most powerful of palm size

Advanced Videotech Corp. has introduced what it calls the world's most powerful palm-sized two-way radio.

The Advanced Tech Talk 5 watt, four-channel, hand-held portable radio can fit in a shirt pocket and keep you in touch with others on your frequency within a 5- to 7-mile radius.

Its four-channel capability makes it possible to selectively speak to specific individuals on assigned channels.

Advanced Tech Talk comes with one channel of crystals, a 6-inch rubber duck antenna, wall-type charger, 450 MAH NiCad battery, stainless steel belt clip, and soft protective case.

Contact Advanced Videotech Corp., 1840 County Line Road, Huntingdon Valley, Pa.; 1-800-233-0013, or in Pennsylvania 215-322-4600. Circle No 247

Wrangler tall fescue dense

The new Wrangler range of leafy, low-growing, dark green tall fescue grass is said to be impressive.

Medium textured, with good density, Wrangler is moderately tolerant of close mowing, exhibits good heat and drought resistance and performs well in sun and moderate shade.

This new grass is a 14-clone advanced generation synthetic variety that is winter-hardy and exhibits excellent performance in cool season environments.

Bonsai is dark and short and has an amazing number of tillers per plant.

Contact Turf Merchants, 33390 Tangent Loop Road, Tangent, Ore. 97389; (503) 926-8649. Circle No 268

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5. Triplex 376-A



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8. 5 Gang Vertical Mower



9. Large Capacity Brouwer-Vac™

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keep your machinery down-time low, and you happy to have Brouwer on your side. Check the products above, from the rugged, economical tractor mount mowers with unbeatable 4-WD traction and the high capacity Brouwer Vac to the turf renovating team of the Sod Cutter MK2 and one of those turf rollers, no matter, the Brouwer team can fit the bill ... and your budget.

For a live or Video demonstration of Brouwer products contact your area Brouwer dealer...TODAY

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