

## EQUIPMENT UPDATE

continued from page 25

pressurized air to clean or dry the cartridge. If the filter is extremely dirty, replace it or use a non-sudsing detergent in a warm water solution. Never use petroleum solvents such as kerosene to clean the cartridge. Do not oil the paper filter.

**Dual-element air cleaners.** Many engine manufacturers offer dual-element air cleaners. In dual systems, a foam pre-cleaner surrounds the paper element, helping catch dirt and debris before they reach the paper filter. This double line of defense offers additional engine protection.

Dual-element air cleaners often are requested because equipment will be operated under extremely dusty conditions. Therefore, check and clean the filters more frequently than normal. Follow the instructions listed previously for cleaning the foam and paper elements. Be sure each filter is thoroughly dry before you reassemble the filters and install.

### Maintenance Tips

The operator's manual suggests when you should clean and change the air fil-

ter. Normally, this recommendation is listed in operating hours. A log book is a good way to track maintenance scheduling. However, during the busy season you may not always have time to check a log book. Make regular air cleaner maintenance something you schedule, like refueling. You wouldn't think of starting the day without a full tank of gas. Make checking the air filter just as automatic.

Many landscape contractors have equipment operators check air cleaner elements in the morning before they begin work. This is not the time when you want to be cleaning and re-oiling a foam element. Invest in a few extra foam elements. Clean and lubricate them, and then place them in a resealable plastic bag. When it's time to change filters, just remove the dirty filter and pop in a clean one. However, someone will have to clean the dirty filter and place it in the bag so it is ready for the next change.

The conditions under which engines operate can vary with the location and applications. However, you can minimize wear and tear with a strong maintenance program, part of which can be as simple as keeping air filters clean.

*Technical credit: Briggs & Stratton*

## ROOKIES

### PRODUCT UPDATE

#### PORTABLE LOCATOR

The 8870 portable locator is capable of long- or short-range locating, inductive or conductive locating, or active or passive locating.

The operator can choose from multiple frequencies to optimize the performance for specific locating situations. The HI power setting on the transmitter allows AF or RF signals to transmit simultaneously which enables the user to switch between signals without having to return to the transmitter to select a new frequency.

It also features current amount reading, 60-Hz passive power, peak and null antenna, LCD display and 45-degree depth measurement.

**RYCOM INSTRUMENTS INC.**

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# Brouwer is the power in vacuums.

## BV-85 & BV-138 POWER VACS

Whatever your need in vacuums, Brouwer delivers. From the mid-size BV-138 Vac that's easily maneuverable in tight spaces, through to the BV-85 Vac, the largest capacity vacuum on the market today, you can trust Brouwer for the ultimate in efficiency and reliability.



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# ROOKIES

## PRODUCT UPDATE

### TURF COVERS

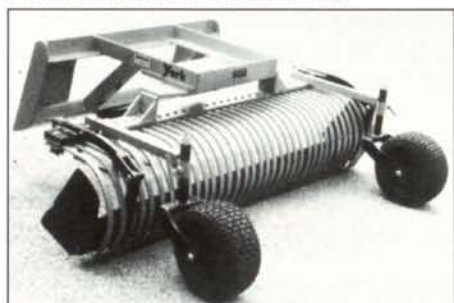
WinterGreen Turf Covers create a healthy cold-weather environment that protects sensitive turfgrass against the rigors of winter. This 100 percent needle-punched non-woven fabric is manufactured from continuous filament fibers for high-strength and longer service.

The cover allows the transfer of air and moisture to prevent desiccation, while preserving soil temperatures. It allows for easier spring preparation and faster early-season green-up.

#### CONTECH CONSTRUCTION PRODUCTS INC.

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### LANDSCAPE RAKES



York Rakes builds the models BCF and CSF specifically for use with Bobcat and Case skid-steer loaders, and the model SSF can be used with most other makes.

Rakes can be set at angles to discharge material either left or right and, with a six-foot rake section and five working positions, it can handle almost any landscaping or maintenance job.

The models can also be equipped with optional caster wheels, grader blade and end boots to make the skid-steer loader more versatile.

#### YORK MODERN CORPORATION

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### GERMINATION BLANKET

The chemical-free Roll-Lawn™ seed germination blanket is made of natural wood fibers. Inexpensive and biodegradable, it bonds to ground contours to hold seed and water in place during the grow-

ing cycle. This bonding to the soil eliminates the expense and labor of repairing seed washout and erosion problems.

In a few weeks, the blanket begins to decompose to form an organic mulch which provides added nutrients to the young sprouts. No blanket removal is required. The emergent growth is protected from seed washout, water runoff, erosion pitting and weeds.

#### CONWED BONDED FIBER

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### HYDRO-SEEDER

The Q-3400 GeoSeeder has a 100 percent, stainless-steel, 3,400-gallon-capacity tank. All controls are within reach on the driver's seat, including a remote spray gun and agitators. The heavy-duty centrifugal pump and quick-release cam lock coupling make servicing lines trouble-free.

Other features include heavy-duty discharge ports run by a 116-hp turbocharged Cummins diesel engine and electrically actuated hydraulic controls on the remote gun and agitator.

#### GEOQUIP INC.

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### IRRIGATION SYSTEM DESIGN SOFTWARE

Two computer software packages for the design and analysis of turf irrigation systems are available from Nelson Irrigation Corporation.

Irricad 5 is for large turf irrigation systems. In addition to the speed, accuracy and convenience of the computer, the system provides a high-quality, professional design. It also handles selection of pipe sizes and fittings, running out a complete bill of materials and pricing system components.

Fastquote is a program for small turf irrigation system design. Users can quickly and easily perform work normally involved in designing and pricing a system.

Both programs operate on an IBM or compatible personal computer.

#### NELSON IRRIGATION CORP.

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