

# PRODUCT REVIEW

## Chippers feature self-contained hydraulic feed

Bear Cat has introduced its new, 9-inch capacity disc chipper, available in three models—the 72928, 72935 and 72942.

These high-performance commercial chippers are available with three different engine options: 28 hp Kubota diesel; 35 hp Wisconsin gasoline engine and a 42 hp Ford gasoline engine.

Other features include self-contained hydraulic feed with a 15-inch diameter top feed



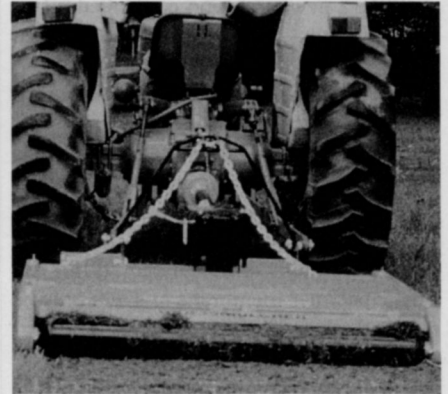
roller. Four tool steel reversible chipper blades are mounted on a 30-inch x 1.25-inch machined, balanced disc for maximum performance.

A fold-down tray and an integrated blower with 8-inch diameter discharge chute that rotates to 360 degrees are standard.

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## Finishing mower features dual-action steel blades

Falcon USA now markets the Grassmulcher, a tractor-mounted finishing mower to cut grass into a fine mulch. The mulching feature eliminates raking



and grass clipping disposal. Four specially designed dual action, tempered spring steel blades cut, lift and recycle clippings back into the grass mat.

The company reports the Grassmulcher is designed for large scale lawn maintenance. The unit runs on rollers and the cutting chamber is completely enclosed. Flaps in the front and rear of the unit provide protection from stones and debris.

The Grassmulcher cuts a five-foot swath. Cutting heights range from  $\frac{3}{4}$  to 4 $\frac{3}{4}$

## Power broom clears walks of most material, debris

The PowerBroom, from Shindaiwa, Inc., is made of a nylon drum equipped with a series of rubber-like fins.

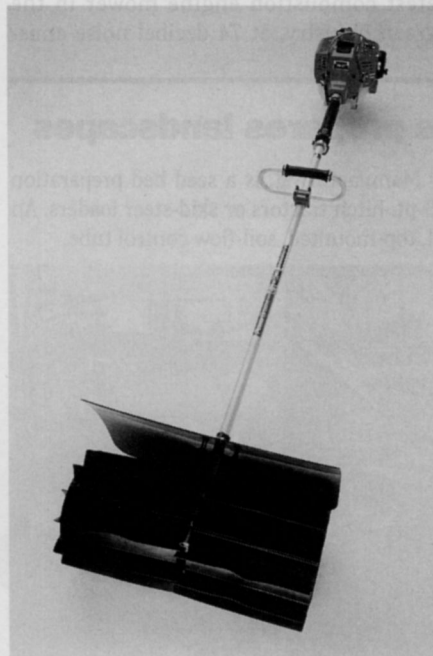
The drum rests on the ground and rotates under variable throttle control, as the fins push debris ahead of the operator.

The rotating sweep action removes almost any material from almost any surface.

Lawn and landscape professionals can use the PowerBroom to remove thatch, leaves, bark chips and snow, and spread thatch or break-up matted grass.

The broom weighs just over 12 pounds, and operates on 1.5 horsepower.

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## Service lift raises mower to four feet high

The Lit'L Heftee service lift from McCanse Engineering, Inc. lets mechanics raise lawn mowers and other walk-behind machines four feet high for maintenance.

The lift capacity of the Heftee is rated at 250 pounds, and the unit was performance tested to 1000 pounds.

An auto-brake self-locking safety winch cranks the unit up and down in seconds, and is ASAE approved. The handle always stops when released, and a safety lock locks at 1 $\frac{1}{2}$ -inch intervals.

According to the company, the unit requires no air or power hook-ups and can be used anywhere. It adapts quickly without tools to almost all walk-behind machines, from 13-inch inside to 34-inch outside wheel width.

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# SHOWCASE

## PRODUCT REVIEW

inches. It fits Cat. I or II, 3-pt. hitches, and requires a tractor power of 45 hp.

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### Fertilizer's nitrogen release based on right temperature

ESN, a new, precision controlled nitrogen fertilizer—manufactured for United Horticultural Supply by Sherritt, Inc.—allows nitrogen to be released entirely in response to temperature.

The key to the product's effectiveness is a continuous polymer membrane surrounding a high-quality urea granule. Once exposed to moisture, the urea liquefies and remains encapsulated within the elastic polymer membrane and will only be released when the surrounding temperature is sufficient for plant growth.

In the Turfgo line of professional turf products, different longevity formulations are available. With some applications, a two-month material may be needed, while in others, a four- to six-month material is more suitable. Turfgo fertilizers with ESN come blended with other essential nutrients vital for a well-rounded fertilizer program.

"This technology is unique to the market," says United Horticultural Supply product manager John Walther. "To demonstrate the elasticity of ESN's polymer membrane, take a fully hydrated ESN 'pearl' and bounce it on any hard surface. The 'pearl' remains intact and its controlled release characteristics do not change. This simple test will give you an idea of why blending, handling, mowing and traffic do not affect ESN's precision-controlled release."

ESN comes in two sizes, for golf course and landscape applications. A "mini" size allows for better particle penetration into closely-mowed turfgrass, such as bentgrass or bermudagrass; and a "standard" size is best for applications to roughs, lawns and landscape areas.

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### Trimmer is heavy-duty with extra-quiet feature

A new trimmer from Echo features a low-tone, quiet muffler for extra noise reduction.



The SRM-2501S is 59 inches long, and has a solid-steel drive shaft for the heaviest commercial applications.

The 24.4cc engine has plenty of power for the most demanding commercial applications and has one of the best power-to-weight ratios in its class.

The trimmer features a low-tone, quiet muffler for extra-quiet operation; a 20.3 oz., see-through fuel tank; a vibration-reducing engine mount; cushioned right hand grip; foam-covered left handle and nylon web shoulder strap. A dual-piston ring design combines with a heavy-duty commercial grade gearbox for years of long-lasting use.

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### Finishing tool clears debris prepares landscapes

The Power Landscape Finisher, from Shaver Manufacturing, is a seed bed preparation and turf maintenance unit that can be used on 3-pt. hitch tractors or skid-steer loaders. An aggressive, "digging roller" teams with a parallel, top-mounted, soil-flow control tube.

The finisher can be used to:

- clear rocks or debris
- dethatch, renovate worn turf prior to reseeding;
- scrape landscape to grade, fill and level;
- backfill, ditch, shape or mound;
- distribute and level topsoil;
- clear brush and vines.

The finisher is available in six- and eight-foot models.

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### Lightweight fairway mower cuts with floating heads

Ransomes America Corporation's Model 250 is a new fiveplex fairway mower with special floating heads to hug the turf for a better cut.

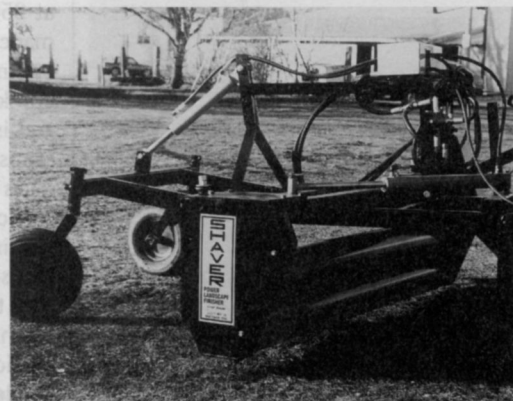
A weight transfer system on the five steerable cutting heads allows them to closely follow ground contours. As a result, the heads do not "bounce" at higher speeds. As a result, the mower leaves a smooth, clean finish over undulating terrain, across the mowers entire 98-inch cutting swath.

The Ransomes 250 is available in three models: a 23 hp two-wheel drive model; a 28 hp and a 33 hp model are available in two- or four-wheel drive. Each has 22 x 5-inch reels in seven- or 11-blade configurations. The bedknife on the Ransomes 250 is replaceable, and is mounted onto a fixed steel bar or a cast iron bar, depending on the model.

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### New greens mower made for 'super quiet' operation

The Toro Company's new Greensmaster 3200 is the first from the company to use a liquid-cooled gas engine, which the company says makes the 3200 the quietest combustion engine mower in the green industry, at 74 decibel noise emis-



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sion level.

Standard equipment features of the 3200 include an electronic control unit to simplify operation.

The company has redesigned the floating cutting system and improved the steering system to prevent sliding on tight turns. The carrier frame roller has been eliminated, however the basket is fully independent of the cutting unit. Cutting swath of the 3200 is 59 inches.

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## Get winter turf protection with tested geotextiles

Winter Green is a non-woven, needle-punched polyester geotextile to protect sensitive turfgrasses, which do not enter dormancy, from winter stress.

Developed by Contech, and tested by turf professors at Texas A&M University, Winter Green can be used in sports turf and horticultural applications.

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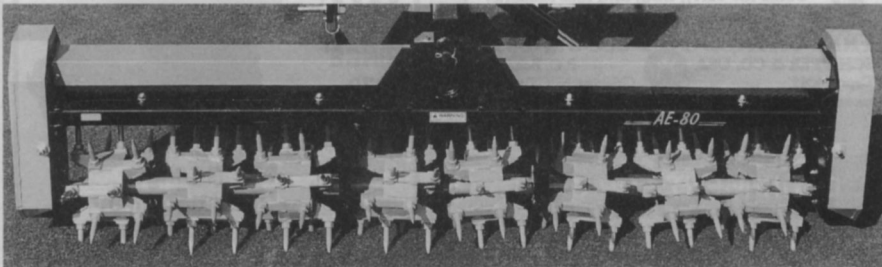
## Aerator rotors stay with rough terrain

The new model AE-80 Aera-vator, from First Products, Inc., is mounted on a 3 pt. hitch, on tractors 35 hp or larger.

The PTO power vibrates the tines to penetrate and fracture hard, compacted soil.

The Aera-vator covers an 80-inch wide path. A vertical pivot joint on the hitch unlocks when the unit is lowered, which allows the unit to make sharp turns during operation.

The unit centers on the tractor and locks when lifted. A horizontal pivot point keeps the rotors in contact with the soil over rough ground.



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## Injector tool adjusts to reach one foot deep

The new RZI-4903 root zone injector, from Rogers Innovative, Inc. injects pesticides or performs a fast, light aeration at the rate of 64,800 sq. ft./hr., in a 3 x 3-foot grid.

A deeper, more thorough aeration can be achieved at a rate of 28,800 sq. ft./hr.

The 4903 will inject most any nonabrasive, pumpable liquid, from one-half to one-foot deep.

Superintendents can aerate greens quickly and efficiently, thanks to a high transport speed.



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