

LOW MAINTENANCE GRASSES



These Turf-Seed varieties require only occasional mowing, little fertilizer and have very low irrigation requirements.

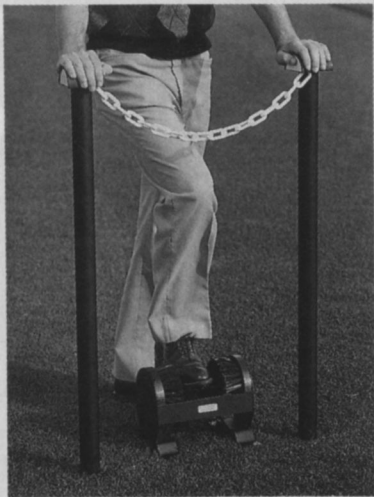
Turf-Seed Fescues	Tall Fescue	Apache
		Bonanza
		Olympic
		Triathalawn blend
	Fine Fescue	Flyer
		Fortress
		Shadow
	Hard Fescue	Aurora
		Waldina
	Sheeps Fescue	Bighorn

Turf-Seed variety Oregon certified blue tags qualify for cash for turf research to qualified associations and valuable prizes to individuals. Ask your distributor for details.



PO Box 250, Hubbard, OR 97032
503 981-9574/TWX 510 590 0957

Circle No. 152 on Reader Inquiry Card



SCRUSHER

Scrapes 'em and brushes 'em . . . the new better way to clean spikes and shoes.

The Scrusher is a must around heavy traffic areas like the clubhouse, locker room entrance, or pro shop. It keeps dirt in its place — outside!

The Scrusher is a heavy duty brush that cleans spikes and sides of the shoe at the same time. The lower brush has three rows of stiff nylon bristles to thoroughly clean spikes. Spaces between the rows of brushes allow grass and dirt to fall through and help keep brushes free from clogging. Side brushes are softer nylon bristle that won't scratch shoes. All brushes are replaceable. Can be mounted on turf or concrete. Posts, chain and mounting spikes optional.

**STANDARD
GOLF ProLine**

Standard Golf Company
Box 68
Cedar Falls, Iowa 50613
(319) 266-2638

See Your Local Standard
Golf Distributor

SG-148

Circle No. 146 on Reader Inquiry Card

PRODUCTS

Front mount mower made for contractors

Kubota Tractor's newest entry into the commercial turf maintenance market is the F2000 front mount mower. Designed specifically for commercial use, estate landscapers and homeowners, the F2000 is equipped with a 20 hp liquid-cooled diesel engine, four-wheel drive, differential lock, rear-wheel steering, hydrostatic transmission and power steering.

Kubota's hydrostatic transmission, teamed with the four-wheel drive and front differential lock, allow for smoother operation on terrain too steep or traction too slick for conventional two-wheel drive mowers.

The F2000 has good visibility and infinite forward travel speeds to 9½ mph. A 60-inch deck is standard, though an optional 72-inch mower is in production. Mowing heights are adjustable from 1½ to 4 inches.

Circle No. 190 on Reader Inquiry Card

Tree injector applies chemicals through trunk

A new tool for injecting chemicals into tree trunks has been developed by Advanced Plant Management. The injector has a manually operated piston pump and is certified as a



"closed system" by the California Department of Food and Agriculture.

The storage reservoir holds up to 470 milliliters, allowing for numerous injections before refill is necessary. A pressure gauge informs the operator when the injection process is complete. An auxiliary hose and tip allow for injection into inaccessible areas.

Circle No. 191 on Reader Inquiry Card

New striking tools, cultivators unveiled

A new line of striking tools and cultivators is available from Zabarte Industries. The tools feature northern ash or hickory handles, and can be used for a variety of ground preparation practices for planting.

The tools are lightweight, ranging

from 7 lbs. down to just over 1 lb. Tools in the line include a mattock, pick,



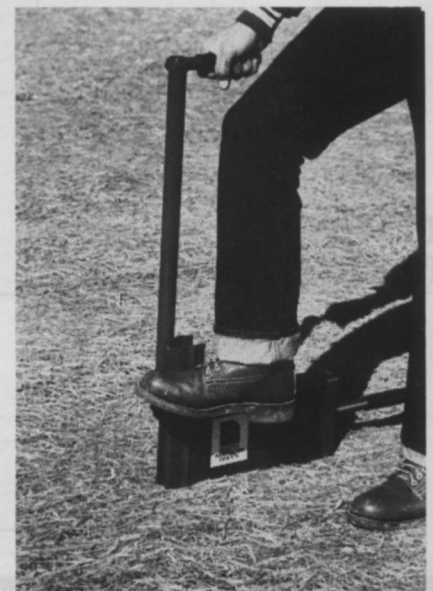
scraper/weeder, planter, trencher and others in various sizes.

Circle No. 192 on Reader Service Card

Staple gun eliminates hand installation

North American Green's new Surelock Staple Gun is designed to end stooping and hand installation of erosion control fabric while holding the fabric firmly in place.

The Surelock is an upright staple gun with a foot operation pedal. The handle is adjustable to the operator's height. Its cartridge chamber is enclosed to keep dirt out. Each cartridge holds 100 staples.



Circle No. 193 on Reader Inquiry Card

Continued on page 74

Good News About TERRANE[®] SP:

It's Now Proven Effective for Brown Patch and Sclerotium Blight on Turf Grasses.

Terraneb SP is now available for control of Brown Patch and Sclerotium Blight. Used for years to control Pythium and Gray Snow Mold, Terraneb is now the only product you need to fight the four most common turf diseases.

Brown Patch: The Most Common Turf Disease.

All commonly grown turf-grasses — especially bentgrasses — are susceptible to Brown Patch. It can destroy a stand of bentgrass within a few days.

Prevalent during extended periods of high temperature and humidity, Brown Patch is also encouraged by poorly drained soil, lack of air circulation and excessive nitrogen. In its early stages it appears as a circular area of light brown grass, from a few inches to several feet long. A grayish-black smoke-ring band up to two inches wide will be visible, especially in the early morning, on the edges of the affected grass. The circular areas grow and turn brown. Brown Patch is best controlled with a combination of dethatching, good drainage and air circulation, avoiding overfertilization and **TERRANE[®] SP**.

Hot and Humid Sclerotium Blight.

Also called Southern Blight, Sclerotium attacks annual bluegrass, Kentucky Bluegrass, ryegrass and bentgrass in all sections of the country, from the west in early spring to the east in early summer.

The fungus begins to spread from the soil and surrounding debris to the grass during hot, humid weather.

In its early stages, Sclerotium Blight has a frog-eye appearance, with small, circular dead areas with tufts of apparently non-diseased grass. The circles may grow up to three feet in diameter.

Apply **TERRANE[®] SP** during periods of high temperature and humidity to prevent Sclerotium Blight.



TOP: Sclerotium Blight on Kentucky Bluegrass. BOTTOM: Sclerotium Blight on Bentgrass green.

Control the Big 4 with TERRANE[®] SP.

Now there's no need to keep several different fungicides on hand. **TERRANE[®] SP** now controls Brown Patch, Sclerotium Blight, Pythium and Snow Mold. Simple to use, **TERRANE[®] SP** provides fast-acting control and its time tested, biodegradable formula, with low toxicity, requires lower use rates than other products. The systemic action of **TERRANE[®] SP** controls fungus growth and protects grass when the heat and humidity make it most vulnerable.

Time Tested TERRANE[®] SP TURF FUNGICIDE



For further information, write:

Kincaid Enterprises, Inc.
P.O. Box 671, Nitro, WV 25143

or call your local distributor.

Pump prevents spillover when filling gas tanks

The "Tommy Pump," distributed by Mason & Assoc., is designed to transfer liquid from one container to another without spillage or lifting heavy cans. It fits most metal gas cans and designed to become a permanent fixture on the fuel can.

It is approved for use with gasoline, kerosene, diesel fuel, hydraulic fluid, oil, water, antifreeze, 90-weight gear oil and automatic transmission fluid. It also has a 12-month limited warranty.

Circle No. 194 on Reader Inquiry Card

Transporter 1st entry into utility market

The AMT 600 all material transporter is the first entry by John Deere into the utility vehicle market. The five-wheel cargo carrier has a capacity of 600 lbs. and is powered by an 8.5 hp engine featuring variable speed drive for speed control up to 20 mph.

The cargo box sits above the four rear wheels for better stability. The box is 48 $\frac{1}{4}$ x43x11 inches. The tailgate



can be removed and the box dumped manually. Flotation tires inflated to six psi minimize ground compaction. The unit can fit in the back of a standard size pickup truck for easy transport between job sites.

Circle No. 195 on Reader Inquiry Card

Dripless attachment tools are quick connecting

Power Spray Technology, Inc., offers a line of attachment tools for use with all standard spray equipment. The

dripless soil rod features an on/off valve and six-hole lateral dispersion. A 32-inch dripless step-on sub-slab injector features a heavy duty welded foot step and a nylon back-splash preventive guard. A 12-inch standard dripless sub-slab injector features a nylon back-splash preventive guard. The step-on root feeder features a heavy duty iron welded foot step, on/off valve and six-hole lateral dispersion.

All tools feature an in-line automatic chemical shut-off, assuring the operator that chemical in the rod and handle will not run when the valve is turned off, and quick-connect cadmium plated steel couplings.

Circle No. 196 on Reader Inquiry Card

Valve performance shows reduced pressure loss

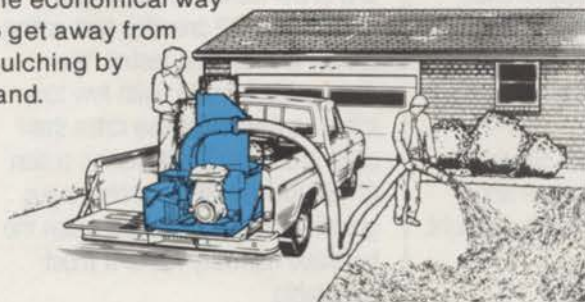
UltraFlow valves from James Hardie Irrigation feature straight-through water flow paths for low pressure loss over wide flow ranges.

The valves feature adjustable flow control and a non-corrosive sealed solenoid. The valves come in three sizes and have a five-year

THE MULCHING SOLUTION

The Goossen Bale Chopper -

The economical way to get away from mulching by hand.



Shreds straw (and many other materials) in seconds, and blows it where you want it. Covers large areas quickly, yet fills in tight spots easily.

Now with electric start, electric clutch. Improved blower boosts efficiency 20% (upgrade kits available for earlier models).

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COME GROW WITH US.

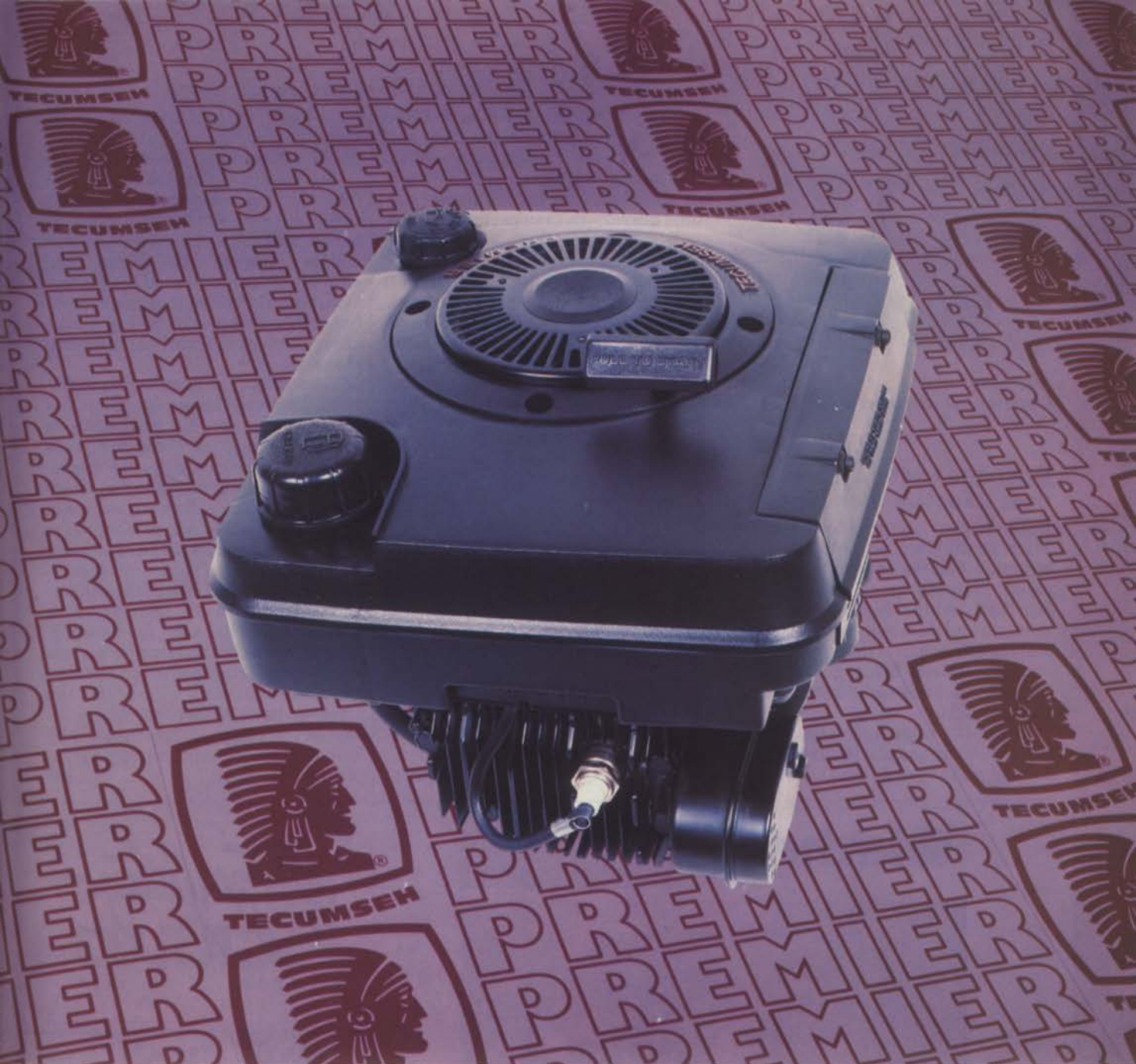
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PREMIER Rotary Mower Engines

Premier is the styling pacesetter for the entire Tecumseh TVS series of rotary mower engines. New operator convenience features and engine protection features include • over-sized, pleated paper air cleaner element • a one and one-half quart fuel tank • new larger oil fill and fuel fill openings with large, easy-to-grip caps. • New soft-pull recoil starter makes starting effortless. • The Premier continues to feature the innovative pressure pump lubrication system, • mechanical governor and • compression release for which the TVS series has been acclaimed. The Premier is available in four displacement sizes, with electric starting and with 8½:1 and 2:1 PTO's. • XL Xtra Life (Industrial/Commercial) Models: Cast iron cylinder sleeve and replaceable bronze main bearings.

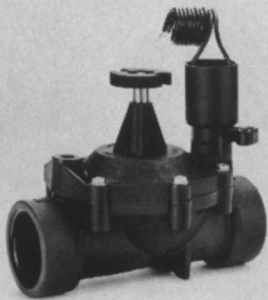


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XTRA LIFE
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ENGINE AND TRANSMISSION GROUP
1604 MICHIGAN AVENUE NEW HOLSTEIN, WISCONSIN 53061

TECUMSEH ENGINES . . . Better, right from the start.



warranty.
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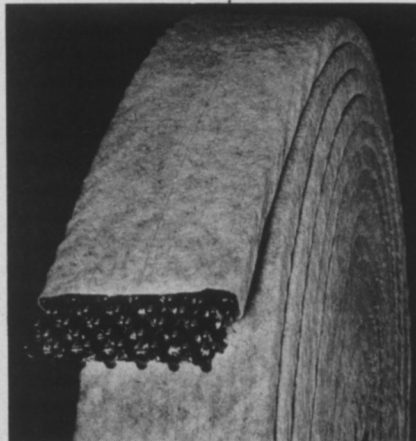
Drainage system more cost-effective than pipe

Drain-It, manufactured by American Wick Drain Corp. for Atlantic Construction Fabrics, is a new prefabricated, highway-grade drainage system that combines high flow capacity, strength and durability with economical installation. It is designed for golf courses, athletic fields, parks, building grounds, bridge abutments and retaining walls.

Drain-It's high flow capacity results from the use of a multi-channel, formed polyethylene core covered by

a polypropylene fabric to prevent clogging. According to the company, the non-woven, needle-punched fabric also allows water entry over 95% of its surface for up to 35% higher volume drawdown than perforated pipe.

It is one inch thick and weighs 8 oz./sq.ft. Sections can be joined using duct tape and a utility knife. Drain-It features a core crush strength of 8000 psi to withstand the pressures of back-filling and compaction during installation without loss of flow area. Drain-



It comes in rolls of 100 and 150 feet in six, 12, 18 and 24 inch depths.

Circle No. 198 on Reader Inquiry Card

UPDATE from page 64

In cool environments this could mean the difference between seed germination and no germination.

Studies at Cal Poly-Pomona reveal that within 14 days perennial ryegrass seedlings were eight inches tall compared with 2½ inches tall where covers were not used. When used with pre-germinated seed the success of faster turfgrass establishment is enhanced, particularly where a balanced starter fertilizer was placed in the seedbed.

Geotextiles. The introduction of fabrics collectively known as geotextiles has greatly reduced the wear factor on many athletic fields. These covers are made of 100 percent polyester needle-punched, non-woven fabric that resists heavy traffic. They allow air, water and sunlight to pass through the fabric so the grass can carry on its normal functions.

Major stadiums have used geotextiles to protect turf from concerts, circuses and events that require thousands of chairs for field seating. When used as bench tarps for players to stand on during football games they have miraculously preserved the grass surfaces. Without the geotextile covers the turfgrass areas would be ground into soil, sand, mud and grass plant parts. **LM**

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MODEL 986. Compare its 42" diameter drum, hydrostatic drive for variable feed speed, 15° curbside angle for operator safety and 360° swivel chute. Gas or diesel — you'll buy Olathe.

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San Antonio
PLCAA 87
 NOVEMBER 12 - 15, 1987

New!

Don't Just Cut Grass!



Get 10 times the work year-round from your mower with the fast, easy to use, power raise and dump Auto-Dump™ loader! Changeover in minutes with no additional hydraulics.

Put more versatility in your mower by calling or writing:

WESTENDORF MFG. CO., INC.
 P.O. Box 29 • Onawa, Iowa 51040
 Phone (712) 423-2762

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A New Turf Care Formula!

Two Well Proven Fungicides Together Add Up To Maximum Disease Control.

VORLAN™ is the product of choice by superintendents, professional lawn care operators and landscapers for the control of Leaf spot, Dollar spot, Red thread and Pink snow mold.

FUNGO® is the standard for control of the ever increasing problems of Brown Patch and Anthracnose.

This tank mix affords you the unequalled disease control, plus, the economy of a single spray at reduced rates.

A one ounce each application of VORLAN and FUNGO tank mix can prevent these six major diseases.

1. Leaf spot
2. Melting out
3. Dollar spot
4. Brown patch
5. Red thread
6. Anthracnose

Without VORLAN and FUNGO your disease control program just won't add up. Contact your local Mallinckrodt distributor today.

Vorlan & Fungo are available in 6 x 2-lb. bags/cases.

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Compare Fylking's competitive price and advantages! Fylking forms a thick, lush turf that has improved disease and drought resistance. Fylking greens up earlier, stays green longer; can be cut as low as 3/4 inch—even 1/2 inch. Fylking has been proven over many years of international turf testing.

Ask your seed distributor for Fylking.

FYLKING
KENTUCKY BLUEGRASS

U.S. Plant Patent 2887

*Another fine, quality controlled
 product of Jacklin Seed Company*

EVENTS

JULY

The American Cemetery Association University, July 13-17, Memphis State University, Memphis, Tenn. Contact: American Cemetery Association, 5201 Leesburg Pike, Suite 1111, Falls Church, VA 22041; (703) 379-5838.

American Association of Nurserymen 112th Annual Conference and Industry Exposition, July 19-21, Amway Grand Plaza and Grand Center, Grand Rapids, Mich. Contact: AAN, 1250 I Street N.W., Suite 500, Washington, D.C. 20005.

Kansas Turfgrass Field Day, July 22, Kansas State University, Manhattan, Kan. Contact: Larry D. Leuthold, Horticulture Dept., Waters Hall, Kansas State U., Manhattan, KS 66506; (903) 532-6173.

International Lawn, Garden and Power Equipment Expo '87, July 27-29, Commonwealth Convention Center and Kentucky Fair & Exposition Center, Louisville, Ky. Contact: Show management office, P.O. Box 70465, Louisville, KY 40270; 800-558-8767 or (502) 582-1672.

Association for the use of Native Vegetation in Landscapes seminar, July 21-23, Purdue University, Lafayette, Ind. Contact: Ray Freeborg, Ph.D., ANVIL, 871 Shawnee Ave., LaFayette, IN 47905.

Fourth annual International Lawn Garden and Power Equipment Expo, July 27-29, Louisville, Ky. Contact: Polly Moter, P.O. Box 70465, Louisville, KY 40270; (800) 558-8767.

Missouri Turfgrass Field Day, July 28, UMC South Farms, Columbia, Mo. Contact: Dr. David Minner, Dept. of Horticulture, University of Missouri, Columbia, MO 65211; (314) 882-7511.

Penn Allied Nursery Trade Show, July 28-30, Valley Forge Convention and Exhibit Center, King of Prussia, Pa., Contact: Pennsylvania Nurserymen's Association, 1924 N. Second St., Harrisburg, PA 17102; (717) 238-1673.

ASPA Summer Convention & Field Day, July 29-31, Westin Hotel, Seattle, Wash. Contact: Douglas H. Fender, American Sod Producers' Association, 4415 W. Harrison, Suite 309-C, Hillside, IL 60162; (312) 449-2890.

AUGUST

Rutgers Turfgrass Research Field Day, August 11, Rutgers Soils and Crops Research Center, Adelphia, N.J. Contact: Henry Indyk, Ph.D., Soils & Crops Department, Cook College, New Brunswick, NJ 08903; (201) 932-9453.

International Society of Arboriculture 63rd Annual Conference, August 16-19, Keystone, Colo. Contact: International Society of Arboriculture, 5 Lincoln Square, P.O. Box 71, Urbana, IL 61801.

Association of Zoological Horticulture Annual Conference, August 17-21, The Calgary Zoo, Alberta, Canada. Contact: Don Peterkin, Calgary Zoo, Box 3036, Station B, Calgary, Alberta Canada T2M 4R8.