Paving Manufacturers Association states that the actual construction and installation methods of the pavers eliminates the need for expansion joints. It also eliminates the cracking associated with poured concrete and asphalt roads and walk slabs.

The density of the pavers, less than 5% absorption, virtually eliminates freeze thaw problems. Their strength, 8000 psi, allows the pavers to be used in areas with heavy weight load requirements. Pavers are available in color as well as natural concrete.

Circle No. 182 on Reader Inquiry Card

Tree & Shrub Root Feeder Fertilizer Cartridge is specially formulated to stimulate root growth and reduce shock after transplanting. High in phosphorous and containing a combination of fast-acting and slow-release nitrogen, the cartridge aids new plantings in developing a sound root system as well as stimulating proper foliage and top growth. A free sample of starter cartridges is included with each Root feeder, from Ross Daniels, Inc. The new fertilizer cartridges are available in packages of 12 cartridges and an economy size containing 60 cartridges.

Circle No. 184 on Reader Inquiry Card

The Water Machine, from Cascade Designs, Inc., is a portable pressurized watering system suitable for operation anywhere. The pressurized tank is sealed and spillproof. Clean and quiet, the machine uses pressure instead of pumps, motors or batteries. Each tank receives a permanent pressure charge at the factory. An internal valve system maintains the permanent air charge even when the water is fully discharged. The Water Machine comes in two models, Model Mini WM-8, with a tank volume of 8.5 gallons, and Model Maxi WM-18, with a tank volume of 18 gallons.

Circle No. 183 on Reader Inquiry Card

Hydraulic truck equipment, the La Font Multi-Lift HL-3 system, helps to transport refuse or bulk material more smoothly and economically. The inter-

changeable container system may be used on a truck chassis of 10,000 pounds gross vehicle weight. Demounting of the container, lifting up, and dumping is accomplished in less than 30 seconds from inside the truck cab via remote control.

Circle No. 185 on Reader Inquiry Card

Continues on page 122

ELIMINATE LEAF GRIEF

with a rugged Woods Leaf Mulcher

Are those leaves of brown getting you down? Well, if they are, you can eliminate "The Brown Leaf Blues" by specifying a handy leaf mulcher for your new Woods Model 59, 306, RM59 or RM306 mower. The mulcher attaches easily and is designed to thoroughly disintegrate leaves, returning valuable organic nutrients to the soil.

And don't forget, if you already own one of these four Woods rotary lawn mowers, you can add a leaf mulcher to your existing unit.

Contact your Woods dealer for a demonstration or write for more information. Do it today for sure!

Woods
Division of Hesston Corporation
OREGON ILLINOIS 61061

Products backed by 34 years of dependable quality.

Circle No. 179 on Reader Inquiry Card

SEPTEMBER 1981/WEEDS TREES & TURF 121
Chipco 26019 fungicide, manufactured by the Agrochemical Division of Rhone-Poulenc Chemical Company, has been registered by the EPA to control turf diseases on fairways and lawns for up to 28 days. The up-to-28 days registration is for preventive control of the important spring and summer turf diseases: dollar spot (including benomyl resistant strains), brown patch and Helminthosporium leafspot and melting out.

The new spray interval allows the Golf Course Superintendent to embark on a more long-range fairway disease control program. The lawn care applicator can incorporate the disease control brought about by Chipco 26019 into his maintenance service contract.

Hinder repellent, a deer and rabbit repellent, is now registered for use in South Carolina. Labeled for use in 31 other states and Canada, Hinder can be applied by conventional spraying methods or painted on the bark of trees and shrubs to prevent deer and rabbit damage. To repel deer, preventive applications should be made just prior to periods when deer can be expected to feed on crops. Re-treatment may be necessary after a heavy rainfall.

The repelling action is caused by odor, not by toxicity. The repelling ingredients are derived from natural sources. For fruit tree, vine and forage and grain protection, apply three to five gallons of Hinder in five to ten gallons of water per acre by air, or in 100 gallons of water per acre by ground sprayer. To protect vegetable and field crops, or nursery and ornamental crops, apply two to four gallons in five to ten gallons of water per acre by air, or in 50 to 100 gallons of water per acre by ground sprayer.

Du Pont's newest herbicide, "Oust," has received an Experimental Use Permit (EUP). Formerly coded DPX-5648,
Most times the best player on the course is the one who makes all the shots. Long and short. Around trees. Through narrow openings. In all kinds of conditions.

That's just the kind of trencher the Case 25+4 is. A total player. With the compact D70 backhoe, a fully hydraulic backfill blade, and trenching capability to 66" (1676 mm) deep, the 25+4 can handle the toughest hole on your course. Whether it's for installation of sprinkler systems. Drainage work. Tree planting. Or just about anything.

At 23 hp (17 kW) it gives you a perfect balance of power and economy. It's articulated and has 4-wheel hydrostatic drive. So it'll probably never get trapped someplace you don't want it. And it won't tear up the turf getting to and from jobs.

The 25+4 is easy to operate and service. New amateurs quickly learn how to use it. And old pros just love it.

The Case 25+4. The ideal trencher for golf course maintenance. The compact trencher with a whole bagful of tricks.

J I Case
A Tenneco Company
Construction Equipment Division
700 State Street Racine, WI 53404 U.S.A.
the herbicide will be tested widely in 39 states and is expected to be commercially available in 1982. "Oust" is a highly active, broad spectrum weed killer that controls numerous broad-leaves and grasses, especially johnsongrass, one of the most noxious weeds in the country. The herbicide works best on actively growing plants. It translocates from the leaves to the rhizomes and kills the rhizomes. The company plans to market the product as a 75 percent DF (dry flowable) formulation, pouring easily and eliminating the problem of dust and material residue. Well suited for industrial weed control, comparatively low rates of application are necessary. Toxicological studies demonstrate favorable environmental characteristics and a low order of mammalian toxicity.

Circle No. 190 on Reader Inquiry Card

With Dyson Bucket forks, one worker with an open end wrench can convert a front end loader into a fork lift truck in minutes—without altering or damaging the bucket. The fork's unique design eliminates the need to drill holes or weld brackets to the bucket. Instead, the buckets are mounted with a clamp bar, which is secured to the wear plate of the bucket by four hex head bolts. Weight is thus evenly distributed throughout the entire surface of the bucket, reducing the twisting action on the wear plate and bucket that may occur with individually mounted forks. A convenient handle makes carrying and installing the forks easier. Capacities of the alloy steel forks from Jos. Dyson & Sons range from 4,000 to 8,000 lbs. The width of the fork can be adjusted in 6" increments. Special designs and accessories are available.

Circle No. 191 on Reader Inquiry Card

Aero-Seeder #84, from Olathe Manufacturing Company, thatches and seeds simultaneously. It can also just be a thatcher. A 16 H.P. engine propels the machine, which is equipped with 10 point-12 gage blades, an electric start and a 20 pound seed hopper. The seeder shuts off automatically when the blades are disengaged, and returns to the previous setting when activated. Blades cut a continuous groove 1/8" to 2" deep, while the seed is being dropped via seed tubes. The Olathe Aero-Seeder is self-propelled.

Circle No. 192 on Reader Inquiry Card

Kleenup ready-to-use weed and grass killer dispenses Ortho's new Herbicide in a trigger squeeze, refillable applicator. Ortho introduced Kleenup in May, 1980. The new applicator bottle allows home gardeners to conveniently control such hard-to-kill weeds as Bermuda grass, nimblewill, dandelion, oxalis, quackgrass and Canadian thistle. Kleenup contains the Isopropylamine
salt of glyphosphate, a systemic herbicide which kills tops and roots.

Circle No. 193 on Reader Inquiry Card

A 20-page booklet, "John Deere Diesel Engines—Reliable Power for Your Needs," informs the public about John Deere’s line of diesel engines and about the company itself. Learn about the history and commitments of the corporation, manufacturing, diesel research and development, and engine product support. The booklet is illustrated and profiles Deere’s engines from 52 to 282 horsepower (39-210 KW).

Circle No. 194 on Reader Inquiry Card

Treetote plant lifting sling eases the burden when moving heavy, bulky, balled plant material. Made of heavy nylon webbing, the sling is available from Dixon Nursery Co. in two sizes—14-26” ball size or 20-36” ball size. The chocker design goes on and off with ease and can be used by two or four people manually or with a fork lift, hoist or tractor boom.

Circle No. 195 on Reader Inquiry Card

What Do Turf Experts Say About Pennant* Ryegrass?

Universities and other organizations are continually testing new varieties of grasses under rigidly controlled conditions. Recognized experts objectively monitor these tests, and their findings are published as an aid to the grass seed industry and to consumers.

In a recent series of tests, PENNANT performed well even under low nitrogen conditions during the fall stress period, held its color as winter approached, and showed remarkable resistance to common lawn diseases. In both its warm and cool season ratings, PENNANT was tops. Where the need exists for a lawn that establishes quickly, PENNANT proved itself to be an ideal choice. PENNANT also ranked high in overall turf performance. Its attractive, medium-high density, and fine leaf blades gave PENNANT a distinct edge over its competitors. Good mowing characteristics was another factor: its moderately dark-green color persisted through several summer mowings, and its blades were clean, not ragged.

So well did PENNANT perform in several of these independent turf trials, it was deservedly nicknamed “The Trophy Turf.”

For more information call or write to:

Vaughan's SEED COMPANY
CHIMNEY ROCK ROAD
BOUND BROOK, NJ 08805
800 / 942-7706 Inside NJ
800 / 526-3814 Outside NJ
8343 ARDMORE ARDWICK
LANDOVER, MD 20785
301 / 322-8800

*Plant variety protection pending and anticipated
RATES: 75 cents per word (minimum charge $20). Bold face words or words in all capital letters charged at $1.00 per word. Boxed or displayed ads charged at $70 per column inch (one inch minimum). Agency commissions will be given only when camera-ready art is provided by agency. For ads using blind box number, add $5 to total cost of ad. Send ad copy with payment to Dawn Anderson, WEEDS, TREES & TURF, 1 East First Street, Duluth, MN 55802. Please include box number in address.

BOX NUMBER REPLIES: Mail Box number replies to: WEEDS, TREES & TURF, Classified Department, 120 W. 2nd St., Duluth, MN 55802. Please include box number in address.

USED EQUIPMENT

1) Brillion Turf Maker (Precision Grass Seeder) $ 900.00
2) 5-gang set Jacobsen Fairway Mowers $ 2,500.00
3) Towable Fork Lift, Liftall model L-60 (heavy duty) $11,000.00
4) Land Leveler (like new) PlaneO'Matic land plane $ 700.00
5) Deutz Diesel Engine and water pump For 12 inch water line $ 2,500.00
6) Wisconsin T H D 21 horse engine & Berkely 3T pump $ 1,200.00
7) MOUNTAIN MEADOW SOD FARM OLD RANCH ROAD, BOX 180, PARK CITY, UT 84060 PHONE 1(801) 549-9750, (801) 486-4514
8) A 1980 Mits & Merrill M-11 12” six-cylinder Brush Chipper. Less than 100 hours. $6,750. Like New — A 1981 Ridgway Shred King Shredder, 750-gallon tank, 50 GPM pump, 60 HP Wisconsin motor, complete with electric hose reel and 300 ft. 3/4” hose. $11,000. — 1980 John Deere 454-B Skidder. Rear axle moved back 24 inches, converted to a carrier or forwarder. $2,800.00
9) 12 foot Zodiac, closed-in cab with spray machine or Skyworker. Unit has a 20,000 lb. towing capacity. $12,000.00
10) Ryan Soda cutter w/rider $1,300. 7 gang Roseman $1,200. $1.50 irrigation pipe new 90 ft. $1.50. Sod business. (414) 326-5267.
11) Chipper 18 HP—THD engine on wheels 30/yds/3/4" hose. $11,000.-1980 John Deere 540-B Shredder. $6,750. Like new, Tractor mounted, rubber tires $ 1,200.00
12) 100 FT ARLO CRANE 2½ ton capacity of Ford L3000 with Louisville cab, air brakes, power steering. Good Condition. (201) 891-9035. 9/81
14) Caretree tree-spade 30’, like new, Melroe bobcat 720 about 100 hours on new engine, Davis trailer. (205) 942-8269.
15) 1978 PRENTICE MODEL 110 LOG/BRUSH LOADER with 310 grain. Excellent condition. (603) 222-5591.
16) 100 FT ARLO CRANE 2½ ton capacity of Ford L3000 with Louisville cab, air brakes, power steering. Good Condition. (201) 891-9035. 9/81
17) For sale or rent — 78 in. Big John Tree Mover mounted on C-90 Chevy. 30,000 miles both new in October 1978, not used in 1980. Excellent condition. Many extras. Phone (517) 627-6200. 9/81
18) Like New Vermeer TS-24 tree spade $2500.00. Also 5 ft Lely Turf Shaper $3500.00. Phil Cooling, Durand, Ill. (618) 248-7775. 10/81
19) For Sale — A Lely turf shaper. 5-foot. Less than 30 hours. Very good condition. $450. Call evenings (915) 369-3236.
20) WEEDS, TREES & TURF, Classified Department, 120 W. 2nd St., Duluth, MN 55802. (218) 714-5295. 3/29/81
22) COMMERCIAL ROTARY MOWERS — 32” to 84”. New — Like New — Reconditioned. Yazoo, Excel Hustler, Howard Price Turf Blazer. Toros, Jacobsen, Simplicity, Bob Cat. Some demonstrator available. All sales on a first come, first serve basis. Call or write for current list. KEI, 3650 E. Munkwitz Ave, Cudahy, Wisconsin 53110. (414) 744-7646.
23) Ryan Soda cutter w/rider $1,300. 7 gang Roseman $1,200. $1.50 irrigation pipe new 90 ft. $1.50. Sod business. (414) 326-5267.
24) Caretree tree-spade 30’, like new, Melroe bobcat 720 about 100 hours on new engine, Davis trailer. (205) 942-8269.
26) 100 FT ARLO CRANE 2½ ton capacity of Ford L3000 with Louisville cab, air brakes, power steering. Good Condition. (201) 891-9035. 9/81
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HELP WANTED

SALESMAEN: Landscape contracting. Must have 3-5 years experience in commercial and large residential sales. Ability to quality clients, knowledge of construction and aggressive attitude essential. Salary negotiable depending on qualifications. Send resume or call Landscape Design & Construction, 2559 Southwell, Dallas 75229. (214) 247-3121. 9/81

NEW RAVEN 38” diameter 300 gallon fiberglass tanks with 18” hinged manway at wholesale prices. Call (502) 366-1415.

ZOYSIA MEYER Z-52 $2.00 per square yard, 200 yard orders. Cartwright Nursery Company—Collerville, TN 38017 (901) 853-2352. 10/81

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FOR SALE

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ZOYSIA MEYER Z-52 $2.00 per square yard, 200 yard orders. Cartwright Nursery Company—Collerville, TN 38017 (901) 853-2352. 10/81

FOR SALE

LAWN SEED. Wholesale. Full line of top quality grasses. Improved bluegrass varieties, fine fescues and fine bladed ryegrasses. We specialize in custom mixing. Oliger Seed Company, 2705 Westingate Avenue, Akron, Ohio 44314. Call collect (216) 753-2259. 1/82

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New turf-type tall fescue of the 80's

You'll like this new, fine-textured variety with higher density than most of the currently available tall fescues. Falcon is a leafy, moderately low growing turf-type variety with pleasing green color and tolerance to heat and drought. It's a good performer under minimum maintenance programs, too. Throughout its area of adaptation, mature stands of Falcon have shown tolerance to wear and moderate shade which makes it useful for home lawns and play areas such as athletic fields and parks.

Contact us for more information.

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P.O. Box 217 • Forest Grove, OR 97116
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Cable: Burlingham
“Wanted to Buy. Woods 5-ft Side Mount Mower. Call (412) 793-4665 or (412) 793-3870 between 8:00 and 5:00 Weekdays.”

Wanted: Bean Roto Mist, also a Bean hydraulic sprayer. Call Bombaci Tree Experts, Essex, Conn. (203) 767-1752. 10/81


Does leaf-tip shredding make your turf brown?

Switch to fine-leaved Pennfine Perennial Ryegrass. Bred for softer fibers that take a smooth, clean cut, Pennfine has set the standard for mowability against which other ryegrasses are compared. Get Pennfine, the most widely used fine-leaved perennial ryegrass. It’s available just about everywhere. Pennfine Perennial Ryegrass, P.O. Box 923, Minneapolis, MN 55440

MISCELLANEOUS

Increase your profits this year with “Garden Tips.” the monthly customer newsletter with your company name/phone. Proven response...cements customer relations, gets them to spend more, opens new doors expertise in new expansion areas. Low cost, effective profit building. Call today (516) 538-6444, we'll send complete information or write: Garden Tips, Box 117, Garden City, NY 11530.

LANDSCAPE DESIGN KIT, 37 rubber symbol stamps, ink pad, $38.50 postpaid. California add 8% tax. Stamps kit brochures available. American Stamp Co., Box 741, Dept. WT, Reseda, California 91335. Phone (213) 881-2808. TF

INTERESTED in expanding into SHRUB & TREE CARE (insect/disease control and feeding)?

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WANT TO BUY OR SELL a golf course? Exclusively golf course transactions and appraisals. Ask for our catalog. McKay Golf and Country Club Properties, 15553 N. East Street, Lansing, Michigan 48906. Phone (517) 484-7726. TF

HYDRO SEEDING BUSINESS — Limited number of franchises available in the Baltimore/Washington area. Write WTT Box 273. 9/81

In every issue of Turf, a selection of the most prominent businesses in the industry are featured. This index is furnished for the readers convenience. However, the publisher can not guarantee its accuracy due to circumstances beyond our control.

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128 WEEDS, TREES & TURF/SEPTEMBER 1981
Sod growers specify Touchdown for profit

Rapid development of marketable turf is the key to profitable sod production. That's why sod growers prefer Touchdown.

An aggressive turf that fills in quickly, crowds out weeds and undesirable grasses, even under low mowing heights, Touchdown is a must in any turf program. Touchdown's strong and vigorous rhizome system means tough turf and quick healing from traffic and machine damage. Whether you seed or sod, specify Touchdown.

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