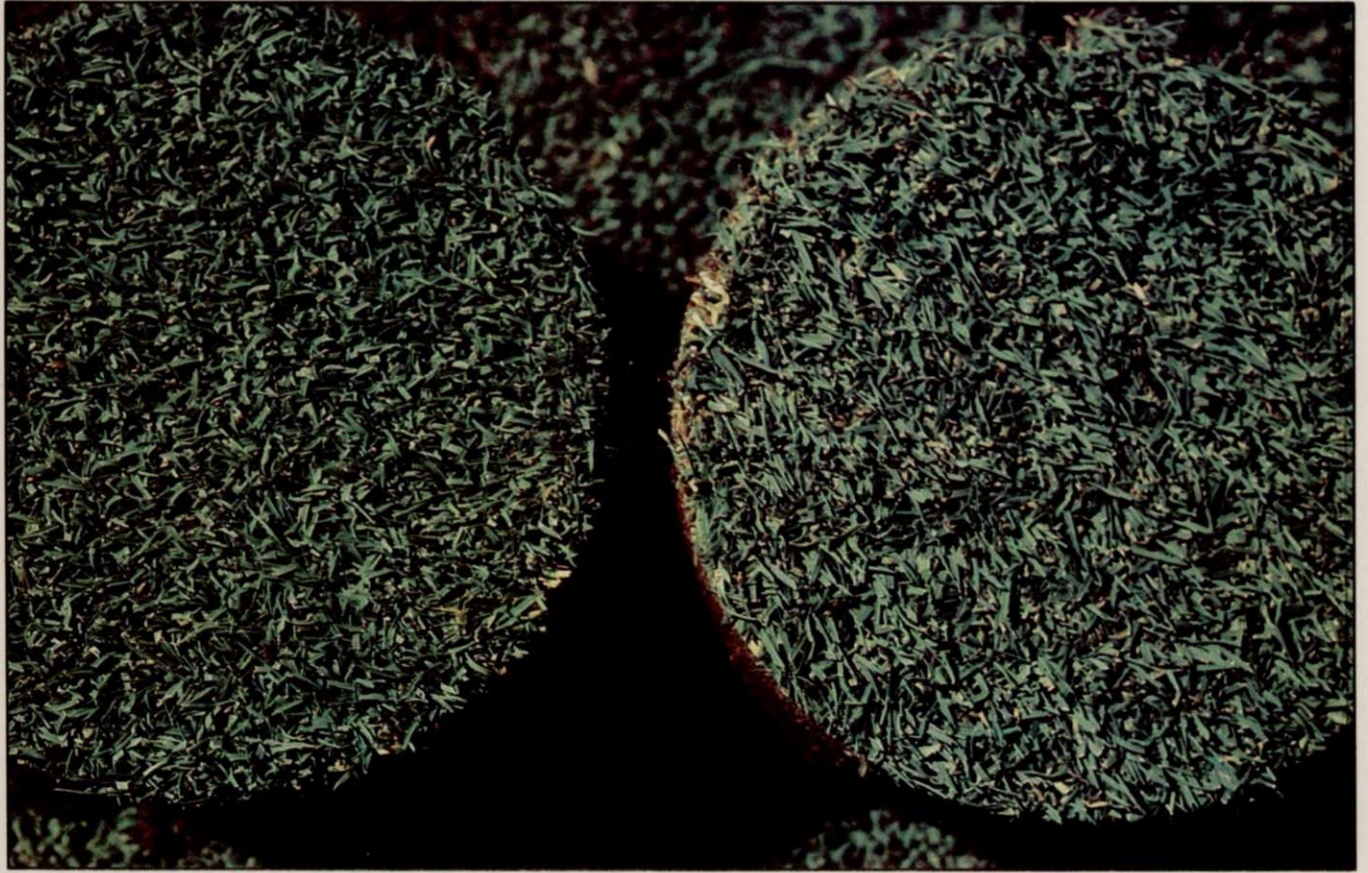


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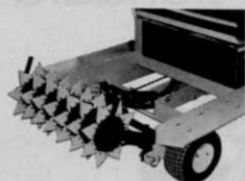
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EVENTS

New York Botanical Garden, "The New Perennials," Oct. 1, 8:30 a.m. to 5 p.m. Contact Ruth Clausen (212) 220-8719.

16th International Bedding Plants Conference, Grand Rapids, MI, Oct. 2-6. Contact Karen Sen, Bedding Plants, Inc., P.O. Box 286, Okemos, MI, 48864. (517) 349-3924.

Professional Grounds Management Conference and Trade Show Cincinnati, OH, Oct. 15-19. Contact Alan Shulder, Executive Director, 7 Church Lane, Pikesville, MD. (301) 653-2742.

North Central Turfgrass Exposition, Arlington Park Hilton Hotel, Arlington Heights, IL, Nov. 1-3. Contact Dr. Thomas W. Fermanian, University of Illinois, 1060 Horticulture Field Lab, 1707 S. Orchard St., Urbana, IL, 61801. (217) 333-7847.

7th Annual Arizona Landscape Awards Program, Rio Rico Resort, Arizona, Nov. 5. Contact Dick Lambert, Arizona Landscape Contractors Association, P.O. Box 27312, Tempe, AZ 85282. (602) 968-8179.

1983 Oklahoma Turfgrass Conference and Trade Show, Nov. 14-16. Contact Dr. Robert L. Green, 360 Ag Hall, Stillwater, OK 74078. (405) 624-5414.

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Greenhouse & Landscape Maintenance Conference, Salt Lake City Tri-Arc Travelodge. **Nov. 15-16.** Contact Dr. Dallas L. Holmes, Utah State University, UMC 50A. Logan, UT. 84322.

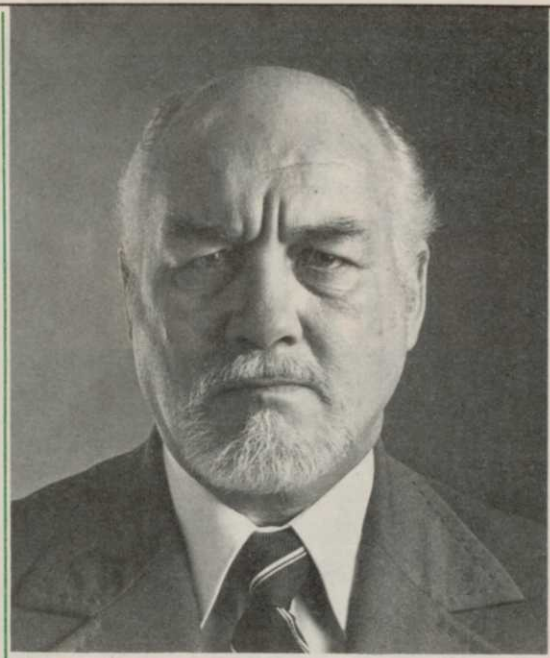
9th Annual Professional Landscape Management School, Indiana State University, Evansville, **Nov. 15-16.** Contact Allen Boger, Extension Agent, Horticulture Room 202, City-County Building, Evansville, IN, 47708.

Arbor Expo, Philadelphia Civic Center, **Nov. 17-19.** Contact Daryl Komar, 17 Washington St., Norwalk, CT 06854. (203) 852-0500.

1983 American Society of Landscape Architects' Education Exhibit, Indianapolis, IN. **Nov. 19-21.** Contact Pam Nesmith, ASLA, 1733 Connecticut Ave. NW, Washington, D.C. 20009. (202) 466-7730.

Ohio Turfgrass Conference & Show, Cincinnati Convention & Exposition Center. **Dec. 6-8.** Contact John Street, OTF, 2021 Coffey Rd., Columbus, OH 43210. (614) 422-2601.

North Central Weed Control Conference, Columbus, OH. **Dec. 6-8.** Contact Clause Cruse, NCWCC Business Manager, 309 W. Clark St., Champaign, IL, 61820.



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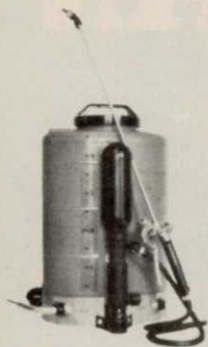
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Circle No. 129 on Reader Inquiry Card

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on
Dollar Spot
Fusarium Patch
Leaf Spot*
Brown Patch*
Red Thread*

*Approval Pending

counteract the force of winter winds prior to root growth. Deciduous trees and shrubs offer little wind resistance and staking may be unnecessary.

Fall is an excellent time to apply mulches. Mulching helps conserve moisture, discourage weeds, and reduce frost heaving and possible root damage. Composted materials (bark, wood chips, or leaf mold) provide moisture and temperature benefits without taking soil nitrogen to decompose.

Recent research has shown excessively thick layers of mulch, more than three inches, can damage shallow-rooted plants. Mulch depth should be watched and overmulching avoided.

Turf

Sodding new turf areas is still possible through October with good success, depending upon the weather. As one moves south, sodding can continue through November. A rule of thumb is one should be able to mow the sod twice before the onset of winter.

October is a good month for broadleaf weed control. Advantages to fall weed control include reduced damage to deciduous plants by drift and leaching, desired cool-season turfgrasses have time to fill in for weeds before the next weed season (June), and areas shaded by deciduous trees are now sunny.

Difficult to control weeds, such as chickweed and henbit, and standard dicot weeds, such as plantain and dandelion, can be controlled as long as they are actively growing. Standard phenoxy herbicides are still effective in October and burn potential is reduced. **WTT**

LANDSCAPE LOG

By Douglas Chapman, Dow Gardens, Midland, MI

OCTOBER JOB FOCUS

1. Trees and Shrubs
 - a. transplanting
 - b. mulching, winter protection
2. Turf
 - a. sodding
 - b. weed control

October is a key month for transplanting deciduous trees and shrubs, weed control, late season sodding, and winter protection.

Trees and Shrubs

Fall is second only to spring as the best time to transplant deciduous trees and shrubs.

Physiologically, plants require less moisture after losing their leaves and becoming dormant. Transplanting success is improved to the 80 to 95 percent range by using balled and burlapped plants.

Basic guidelines for transplanting are: the hole should be 6 to 12-inches deeper and wider than the ball; addition of manure, compost or peat moss to topsoil for conditioning; and mulching with less than 2-3 inches of composted bark, peat moss, or leaf mold.

Plant slightly above the soil level in poorly drained soils and slightly below in sandy, well-drained soils. Soak the soil around the plant thoroughly before mulching.

Staking is generally advised for conifers or evergreens to

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Many Other Insects

overlapping generations, more than one miticide application is needed. Also, a superior oil applied while the trees are dormant is effective against the overwintering stages. Oil should be used no more than once a year. Oil may result in a temporary loss of the waxy bloom, especially on blue spruce. The needles should produce more wax and regain their normal color in four to eight weeks.

Q: *We have a large purple-leaved plum tree and for several years now limbs have died off. I have pruned them out but it doesn't stop. I found some gummy stuff coming from what looks like holes. What can we do? (Illinois)*

A: A common problem of purple-leaf plum especially older, larger trees is borers. Borers are detected by looking for small, usually circular areas of sap-soaked bark or gummy sap which oozes from wounds caused by these insects. The sappy exudate may be mixed with "sawdust" (larval borings).

Most garden centers carry borer sprays which you could apply not to the trunk and branches. The adult, a clear-winged moth, is controlled with insecticide sprays which are applied in May or June. Phermone traps are available for this insect (*Synathedon* spp.) and can be used to determine the presence of egg laying moths in your locality.

If there are many small holes as if the tree was blasted with a shotgun, the problem is caused by bark beetles. The "shotholeborer" (*Scolytus rugulosus*) can also be controlled with a borer spray such as Lindane.

Cut out and destroy all borer-infested, dead and dying branches. Keep the tree healthy by watering and fertilizing regularly. Healthy trees are more resistant to borer attack.

PROBLEM SOLVER *from page 20*

Q: *The needles of several spruce trees around our patio have turned a dingy gray. Many but not all of these needles have fallen. Will a fungicide help? (Indiana)*

A: A fungicide will help if the problem is caused by a foliage disease. As head of the plant problem diagnostic clinic for tree care, I've seen a marked increase this year in the number of samples having spruce needle-cast. This disease is caused by the fungus, *Rhizosphaera kalkoffii*. The samples have off-color foliage, i.e., the needles were a mottled yellow-green, brownish-purple or chocolate-brown color. If fruiting bodies are present they look like small, black "pimples" and they emerge from the needle pores or stomata. Bordeaux is the fungicide most often recommended. Timing varies but the first application should go on about the first week in June. If the infection is severe repeat once or twice at approximately 14-day intervals.

Another pest problem on spruces with symptoms fitting those you describe is mites. A heavy infestation will cause the foliage to lose its color and appear yellow, reddish-brown, olive-green or gray. To confirm the presence of mites look for eggs, egg shells, silk between the needles or the mites themselves. You will have to look closely because mites are very small animals. A 10X hand lens will help, or beat the foliage. Collect what drops on a white surface. If you see tiny dots scurrying about they are mites. If you could count the legs there would be four pairs for an adult and three pairs on the immatures or nymphs. Mites are not insects and it's better to use a miticide rather than an insecticide on them. Since spruce mites have many and

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WTT 93

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LETTERS

Integration important

I want to respond to your editorial, "The Time is Now to Coordinate Educators With Our Industry," in your March issue.

It is very important to have a strong integration of formal education and industry. That has been our philosophy at Lake City Community College [Lake City, FL] over the past 16 years with our highly successful Golf Course Operations and Landscape Design & Sales programs. Our golf course program is a three year program: one year of mechanics and two years of golf course operations. Landscape Design & Sales is two years. An important part of both our programs is the two required on-job-training periods our students must complete before they graduate. They get college credit for their experience, and the students are evaluated at the sites by us, the instructors. This gets us out into the field to find out what is going on, and it helps us keep good control over what is happening to our students in the field. We place our students anywhere in a 500 mile radius of Lake City, so we cover a lot of miles in the summer. This OJT program has been extremely successful.

Another part of our industry contact is our advisory committee made up of golf and landscape industry professionals. We meet with them once a year to discuss our program and evaluate the courses we are teaching and the job market. We have made changes in our program based on their suggestions.

What we need is more motivated young people to meet the industry demand. The Associated Landscape Contractors of America is making a good initial national effort to increase young people's awareness of the opportunities that exist for them in the landscape industry. However, I feel this is something that all landscape companies should also get involved with at a local level. They should take quality slide shows to high schools to let students know what they do. This might entice a student to work for that company for the summer and perhaps go on to school for further training.

I am very excited about our programs because they are vocational education as it should be: training students to get jobs.

John R. Piersol, Instructor
School of Landscape Design & Sales
Lake City Community College
Lake City, FL

PRODUCTS

Bunton adds Triplex Approach and Tee Mower

Bunton Company has added a new Triplex Approach and Tee Mower to its line of golf course maintenance equipment.

The maneuverable mower features heavy-duty, welded-steel construction and is ideally suited for golf courses, parks, municipalities and any other situation where a finely manicured turf is desired. The heavy-duty transaxle has three forward ground speeds and one reverse, and can achieve speeds of nearly 10 mph.

Each six-blade cutting reel is individually adjusted for a cutting height



range from 7/16 inch to 2 3/4-inch. The three reels are hydraulically raised and lowered and have front and rear rollers to eliminate scalping. They combine to give a 73-inch cutting width.

Standard features include a four cycle, 8 1/2 hp Robin engine, rear wheel steering with an automotive type steering wheel, and a choice of plastic or metal grasscatchers.

Circle No. 180 on Reader Inquiry Card

Manhattan II available for fall delivery

Manhattan II, developed through a hybridization and selection program by Dr. C. Reed Funk of Rutgers University and Dr. William A. Meyer of Turf-Seed, Inc., and Pure Seed Testing, Inc., will be available for fall, 1983 delivery.

This variety, 10 years in the making, offers advantages including attractive leaf appearance after mowing, greater density, darker green color, finer leaf texture, a more dwarf growth pattern, good shade adaptation, increased heat

and drought tolerance, and improved resistance to Rhizoctonia brown patch, stem rust, crown rust, leaf spot and red thread, according to its developers. Circle No. 181 on Reader Inquiry Card

4WD trencher now in diesel

Ditch Witch's Model 2300 trencher is now available with a 30-hp-class diesel engine, as well as a gasoline engine.

The 2300 is a four-wheel-drive



continued on page 108

TORO GM 72 OWNERS

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Circle No. 159 on Reader Inquiry Card

trencher that can dig depths of 5-feet, widths to 16 inches, depending on boom and chain set up. A hydraulic backfill blade is standard. An optional front-mounted utility backhoe is also available.

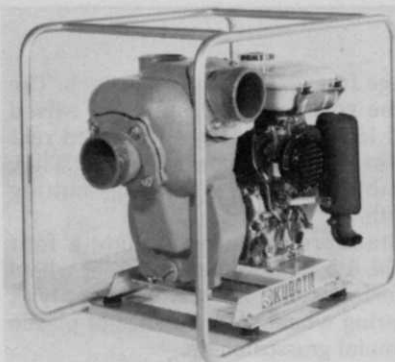
Circle No. 182 on Reader Inquiry Card

Kubota begins marketing water pumps

Kubota Engine Division is expanding its product line to include six models of Kubota pumps. Having marketed their pumps in developing countries throughout the world for more than 15 years, Kubota is now offering them to the U.S. market through local distributors.

All models are gasoline-powered with Kubota-manufactured engines, featuring solid state ignition, cast iron cylinder liner, projection-type spark plug, ball bearings on the crankshaft, stellite valves and an extra quiet USDA muffler.

Four models, 1½, 2, 3 and 4-inch, are self-priming centrifugal. They feature 6,360 to 28,620 gallons per hour pumping output, 82' to 92' total head; 25 suction head; and self-priming time of 40 to 90 seconds.



Kubota's two self-priming centrifugal trash models are 2 and 3-inch with 9,540 to 19,080 gallons per hour pumping output; a 79' total head; 25' suction head; and a self-priming time of 20 to 25 seconds.

Circle No. 183 on Reader Inquiry Card

Nobrush controls weeds, grass

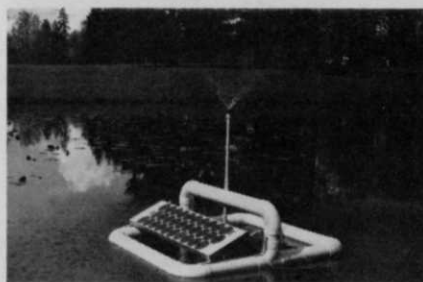
Nobrush from the Randustrial Corp., Cleveland, is a dry, granular product for weed control and wherever bare ground is desired. The degree of weed control and duration of effect will vary with the amount of chemical applied, soil type, rainfall and other conditions.

Usually, one application sterilizes the ground for one growing season. Nobrush is an effective control for annual and perennial weeds and grasses such as foxtail ryegrass, wild oats, crabgrass, cheatgrass, ragweed, goldenrod, plantain, dandelion, smooth brome, Canadian bluegrass and others. Nobrush may be sown by hand or with the Randustrial Weed Control Spreader.

Circle No. 184 on Reader Inquiry Card

Sun powers pond aerator

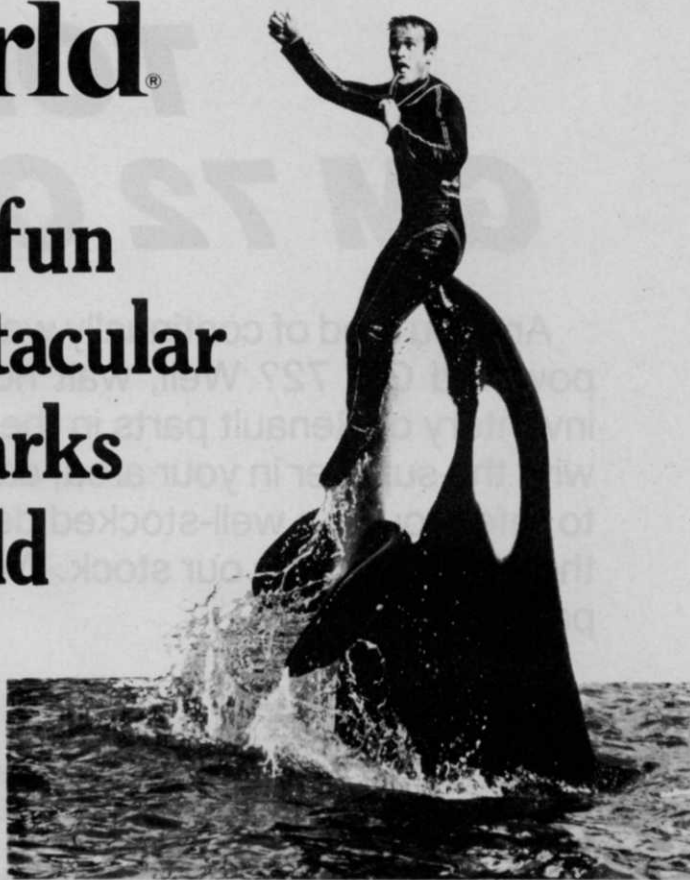
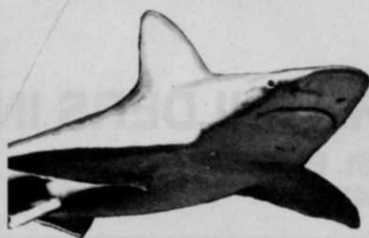
The Solar Powered Pond Aerator can replenish oxygen in ponds, fight algae growth and help to eliminate objectionable odors. The power source is a photovoltaic panel which converts



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sunlight directly into safe, usable D.C. electricity. There is no power cost and no expensive wiring involved; the unit is completely self contained.

The floating aerator is anchored in ponds with the panel facing out so when the sun strikes the panel, the spraying action begins. At sunset, the aerator shuts itself off. No switches are required. A special, submersible pump with a 400 gallon-per-hour flow rate recycles the pond water, cleaning ponds naturally. The device measures 4' x 4' and weighs 37 pounds and can be installed by one person. Low D.C. power eliminates the danger of electric shock. It is shipped partially assembled.

Circle No. 185 on Reader Inquiry Card

Finelawn 1 is released by Fine Lawn Research

Fine Lawn Research, Inc., has released Finelawn 1 turf-type tall fescue. Finelawn 1 combines the beauty of its green, narrow tapering appearance with the toughness necessary to resist eight common turf diseases and performs well even in hot, dry, shady or cold environments.

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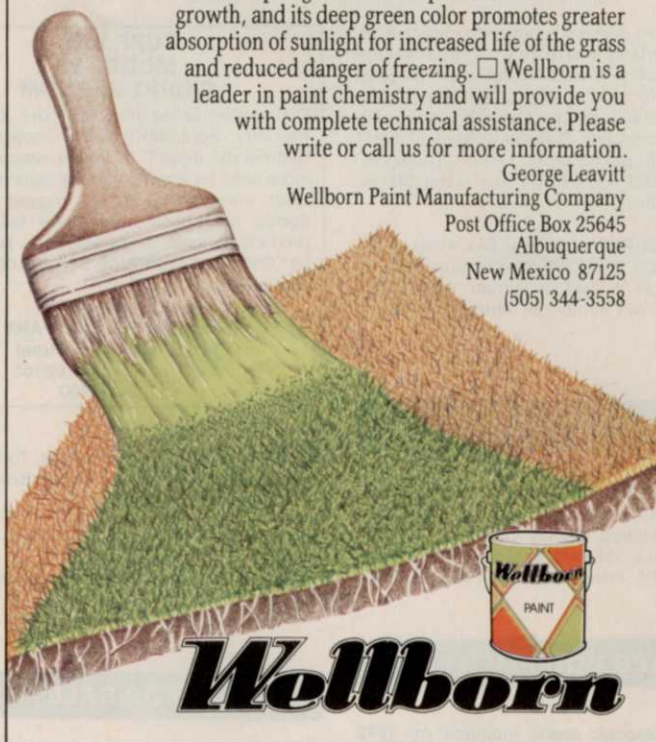
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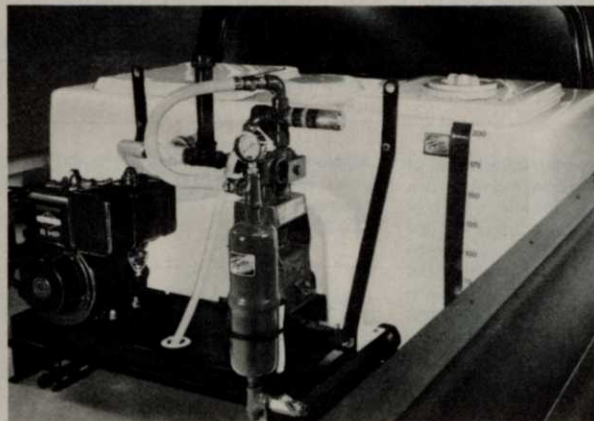
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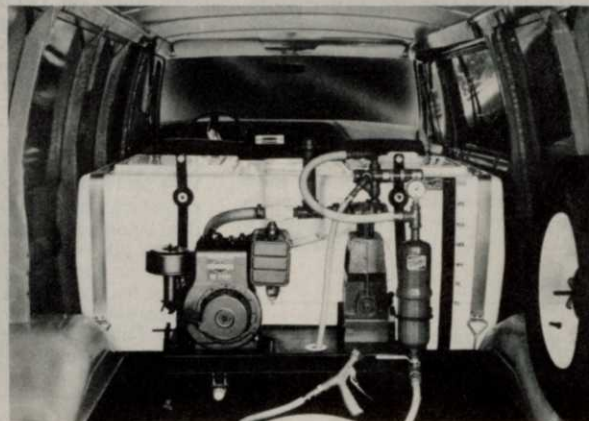
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