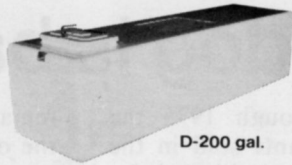
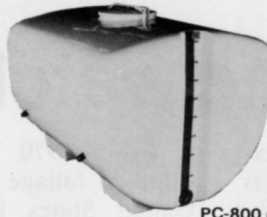


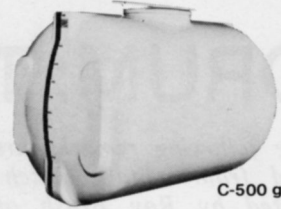
R-100 gal.



D-200 gal.



PC-800 gal.



C-500 gal.

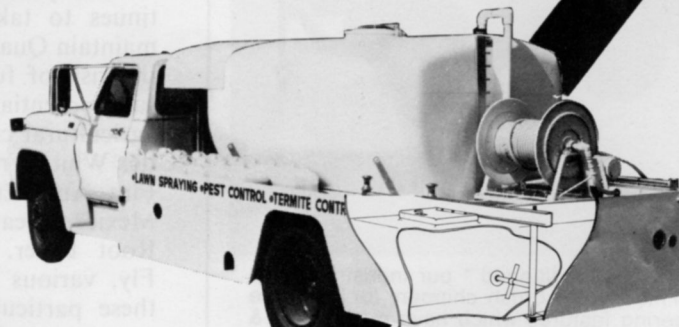
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Cutaway view showing D. 200 gal. mixing tank.

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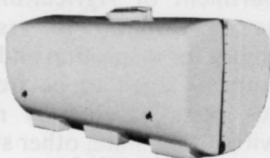
Write today to: **Tuflex Manufacturing Co.**
P.O. Box 13143, Port Everglades, Florida 33316

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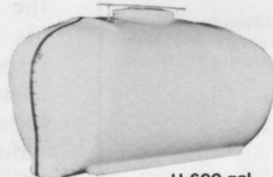
Plant Location:
800 Eller Drive, Port Everglades, Fort Lauderdale, Florida



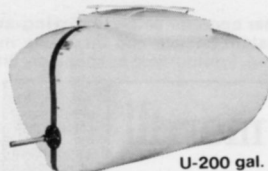
THE LARGEST FIBERGLASS "PEST CONTROL" SPRAY TANK MANUFACTURER IN THE SOUTHEAST



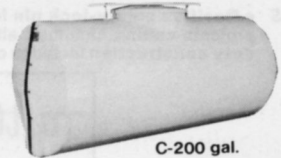
PC-1200 gal.



U-600 gal.



U-200 gal.



C-200 gal.

FORUM: The watchdog is barking

The following remarks are excerpted from a talk which was presented by Ray Brush of the American Association of Nurserymen before the National Plant Board.

Fundamental to analyzing how great a pest risk there may be with foliage plants is an understanding of the phenomenal growth in the foliage plant business.

From 1970 through 1975 the value of foliage plants sold in the United States has multiplied by nearly seven times. Two states account for most of the production — Florida and California. In 1970 it was estimated that 55 percent of the foliage plant sales represented Florida production and 12½ percent California production, the

remaining one-third coming from the other 48 states.

California saw the most rapid increase during this period. Let's examine the cause of this expansion. Increased production by florists, foliage producers, nurserymen, poultry growers, vegetable growers, speculators new to horticulture, and imports accounted for this growth. Reports from both California and Florida indicate that some new foliage producers, in getting started with these crops, experienced difficulty in meeting the quality level sought by retailers and consumers. Along with that difficulty could come increased pest risk.

What was and is the American Association of Nurserymen's stand on this pest risk? The AAN continues to take a strong stand to maintain Quarantine 37 to minimize the risk of further introduction of such potentially hazardous pests of agricultural crops as Japanese Beetle, White Fringe Beetle, Imported Fire Ant, European Corn Borer, Mexican Bean Beetle, Sugar Cane Root Borer, Mediterranean Fruit Fly, various viruses, etc. Some of these particular pests entered this country before the advent of Quarantine 37, others since.

The control of these pests and others continues to be a burdensome expense for nurserymen. As the Japanese Beetle moves south and westward, does the soybean, cotton, or peanut farmer care? Apparently not, for each can still market his crop even though a reduction in yield may be experienced. In contrast, the nurseryman, if his plants become infested, can only market his plant within the quarantine regulated area or not at all.

The American Association of Nurserymen believes it is the joint responsibility of the producer and the Department of Agriculture of his State or Country to assume responsibility for inspecting and certifying nursery stock to be free of hazardous pests covered by regulations within that state, other states or foreign countries to which those plants might be shipped. □

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more efficiency



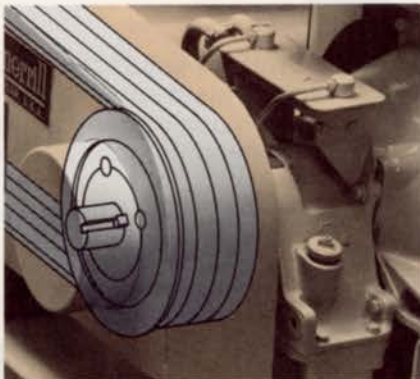
Applying engineering designs which "Sound Conditioned"* our industrial scrap reduction machinery, Mitts & Merrill can modify our brush chippers for low noise levels. At the same time, those engineering features which have made Mitts & Merrill the leader for years have been retained.

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Staggered knife pattern, for years a Mitts & Merrill feature, has always resulted in a lower noise level. First, by segmenting the noise source. Second, through smoother cutting action. Third, by producing smaller chips.

Plus • **Positive safety-lock pin** for greater operator safety • **Swing-away, folding feed chute** protects cutting chamber; allows instant access and increases maneuverability • **Heavy duty construction** includes coil spring, torsion-type suspension, and box tubular steel frame.



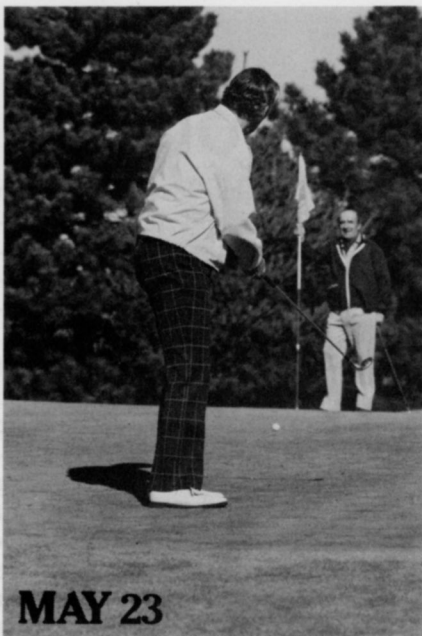
Optional torque converters and the heaviest steel cylinder — even without an external flywheel — combine to give positive cutting action under the most rugged conditions. Isolates the engine from shock. Minimizes maintenance.

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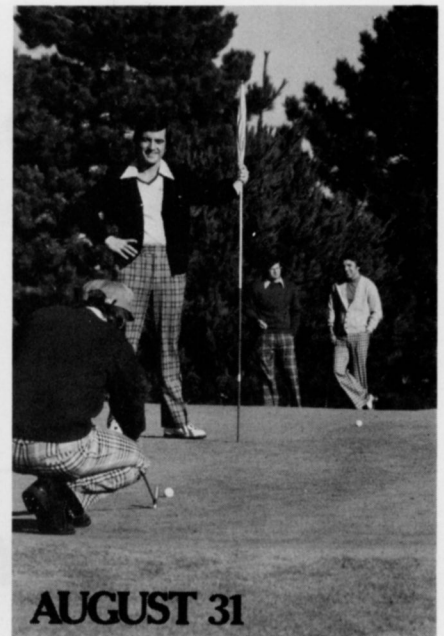
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MAY 23



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AUGUST 31

It can take months to compact a green. It takes 60 minutes to fix it.

Greens aeration is one of the most important maintenance jobs you have. Months of compaction can damage a green by preventing air, water, and fertilizer from penetrating the surface. Proper aeration is essential. But it must also be done quickly to get your course back in play and keep your golfers happy.

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Maybe you don't need the big capacities of the Greensaire II and Core Processor, but you do want the same fine capabilities. Then choose the Greensaire 16. Instead of a 24" swath, you have a 16" width. You can use the same selection of tines and the convenient windrow attachment makes core removal easy.

And like all Ryan equipment, these machines are built to last. We believe longevity is just as important as performance.

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EQUIPMENT



Sawdust treatments improve soil

Nurserymen know their soils suffer yearly depletion of organic matter. This occurs due to cultivation, irrigation, additions of mineral fertilizers and, of course, the removal of the entire nursery crop.

Peat, applied at rates up to 150 cubic yards per acre, usually corrects organic matter deficiency in these soils. This correction is essen-

tial because soils with a low supply of humus lose nutrients at a high rate due to leaching. Moreover, humus mollifies pest eradication treatments and helps to prevent possible damage to nursery stock and beneficial soil organisms by toxic chemicals.

But peat just isn't always available. So Richard Camp, super-

intendent of the Wisconsin Wilson State nursery, and Jaya Iyer, lecturer in soil science at the University of Wisconsin, tested sawdust as an alternative soil amendment.

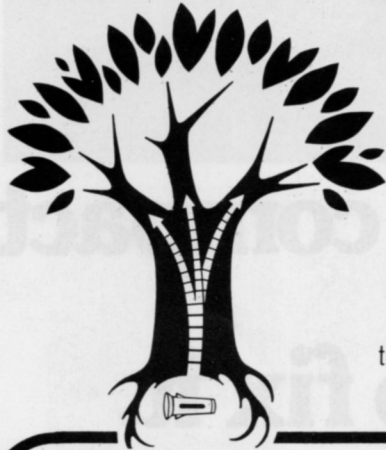
Sawdust as an amendment is not new. It has been used for years to enrich nursery soils in organic matter and increase the soil's exchange capacity and biodegrading potential. But sawdust does not break down as fast as peat, and sawdust composting requires more labor and may cost more than peat applications. So, the researchers felt present nursery practice needed a low cost way to convert sawdust into a good humus amendment. This was accomplished by a treatment of the sawdust directly on nursery beds. They suggested the following procedure.

Apply one inch of sawdust with a manure spreader on top of nursery beds. Treat the sawdust-covered beds with anhydrous ammonia from a tank with four injecting knives set one foot apart. The outside knife should be inserted six inches from the border of the bed and knives should penetrate four inches. This treatment requires three pounds of anhydrous ammonia per cubic yard of sawdust, or four pounds per 100 running feet of seedbeds, and consumes 300 pounds of ammonia at a cost of \$35 per acre.

A few days after application of ammonia, the beds are treated with a five percent solution of 55 percent phosphoric acid delivered from a pressure pump sprayer at a rate of 3 gallons per 100 running feet of seedbeds. This treatment applies 40 pounds of elemental phosphorus per acre at a cost of \$30.

In soils treated with potent pesticides, such as Mylone, Vapam, and methyl bromide, there may be a deficiency of effective cellulose decomposers, such as inky caps or other mushrooms. To restore these below ground dwellers, it may be desirable to spread on the beds partly decomposed horse manure, fermented compost, or soil treated previously with ammoniated sawdust at a rate of two cubic feet per 100 running feet of seedbeds. Then

Continued on page 42



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LANSING, MICH., Tues., Jan. 11 Holiday Inn South	_____	_____
CLEVELAND, OHIO, Wed., Jan. 12 Holiday Inn — Cleveland/Independence	_____	_____
ROCHESTER, N.Y., Thurs., Jan. 13 Hilton Inn on the Campus	_____	_____
FREMONT, NEBR., Tues., Feb. 8 Holiday Lodge	_____	_____
ST. LOUIS, MO., Thurs., Feb. 10 Holiday Inn — Riverfront	_____	_____
MILWAUKEE, WISC., Fri., Feb. 25 Hoffman House, 251 N. Mayfair Rd.	_____	_____
ELMHURST, ILL., Tues., March 8 Holiday Inn, 624 N. York Rd.	_____	_____
CHAMPAIGN, ILL., Fri., Feb. 11 Ramada Inn — University	_____	_____
MOLINE, ILL., Thurs., Feb. 24 Holiday Inn — Airport	_____	_____
INDIANAPOLIS, IND., Wed., March 9 Sheraton Inn, Pendeton Pike Exit off I-465	_____	_____

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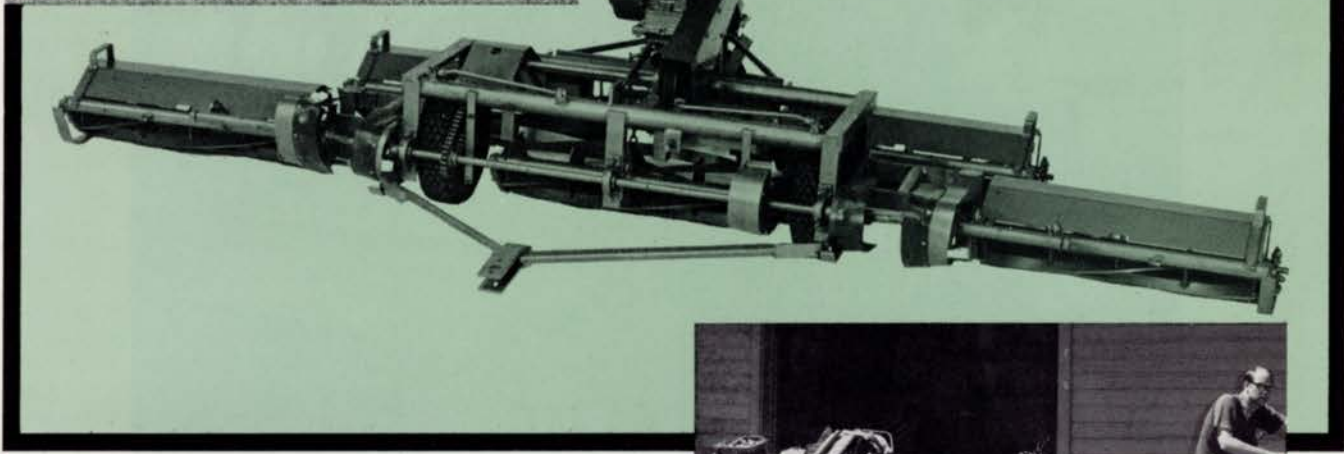
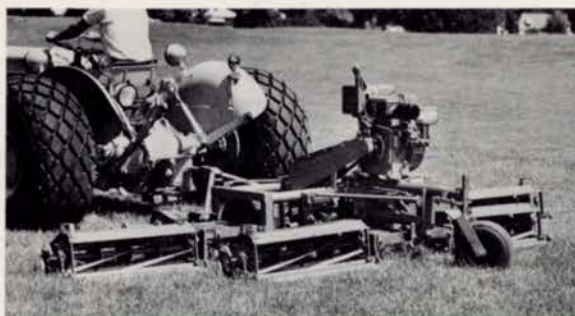
Meetings scheduled from 10 A.M. until 2:30 P.M. Lunch will be provided (no charge) for one key employee per firm, additional are welcome. Indicate above, location and number attending from your firm.

Clip above schedule and return at least 10 days prior to meeting as confirmation of your attendance.

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Meeting Dates

Delaware Turfgrass Conference, Clayton Hall, University of Delaware, Newark, Del., Dec. 6.

International Plant Propagators' Society Southern Region Inaugural Meeting, Sheraton Inn, Mobile, Ala., Dec. 7-9.

University of Maryland Corn Technology Conference, Civic Center, Salisbury, Md., Dec. 9.

University of Maryland Agronomy Short Course, National 4-H Center, Chevy Chase, Md., Dec. 13-15.

Connecticut Nurserymen's Association Annual Meeting, Ramada Inn, North Haven, Conn., Dec. 28.

Western Association of Nurserymen Annual Meeting and Trade Show, Hilton Plaza Inn, Kansas City, Mo., Jan. 2-4.

Tennessee Turfgrass Association Annual Conference, Music City Rodeway Inn, Nashville, Jan. 3-4.

Northeastern Weed Science Society 31st Annual Meeting, Baltimore Hilton Hotel, Baltimore, Md., Jan. 4-6.

Mid-Atlantic No-Tillage Conference, Sheraton Inn, Gettysburg, Pa., Jan. 7.

Wholesale Nursery Growers of America Membership Meeting, Hyatt Regency-O'Hare, Rosemont, Ill., Jan. 9.

New York State Arborists Association Annual Convention, Nevele Country Club, Ellenville, Jan. 9-12.

Mid-America Trade Show, O'Hare International Trade and Exposition Center, Rosemont, Ill., Jan. 9-12.

Mid-Atlantic Association of Golf Course Superintendents Annual Conference, Baltimore Hilton, Baltimore, Md., Jan. 10-11.

Landscape Materials Information Service Winter Meeting, The Biltmore, New York, N.Y., Jan. 13.

New Hampshire Turf Seminar, Sheraton-Wayfarer Motor Inn, Bedford, N.H., Jan. 13-14.

Landscape Ontario Congress, Four Seasons Sheraton Hotel, Toronto, Ont., Canada, Jan. 18-20.

International Society of Arboriculture Ohio Chapter Annual Meeting, Sheraton-Columbus Hotel, Columbus, O., Jan. 23-25.

National Tropical Foliage Short Course, Sheraton-Towers Hotel, Orlando, Fla., Jan. 23-26.

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People on the Move

M. Joseph Heimes has joined the **Kaiser Trading Co.** as manager in agricultural chemicals and fertilizer trading. He will be located at Kaiser Trading headquarters, Kaiser Center, Oakland, Calif.

Heimes, a graduate of Iowa State University, most recently held the position of general manager in supply and distribution for Terra Chemicals, Sioux City, Iowa.

Bob Willcox and **Jim Earnest** have been named technical representatives for the **ProTurf Division**

of O.M. Scott and Sons, according to Frank Kolley, Director of Sales.

Prior to joining the turf products company, Willcox served as golf course superintendent at Royal Poinciana Golf Club in Naples, Fla. Earnest was golf course superintendent at Danville Country Club in Danville, Ky.

Sherman Shaw has been promoted to southern regional sales manager, agricultural business group, **Velsicol Chemical Corp.** He will be responsible for sales of

agricultural products in the southern United States stretching from the Virginias, west to New Mexico. Shaw was graduated from Louisiana Polytechnical Institute with a B.S. degree in biology/agronomy.

Research and teaching awards of the Northeastern Branch of the American Society of Agronomy were presented recently to two faculty members in the College of Agriculture at **Pennsylvania State University.**

The research award went to **Dr. John B. Washko**, professor of agronomy. **Dr. Joseph M. Duich**, professor of turfgrass science, received the teaching award. Presentations were made at the annual meeting of the organization at West Virginia University, Morgantown.

Northrup, King & Co., Minneapolis, has announced the appointment of **Jack Welch** as manager of their professional turf products department. A graduate of the University of Rhode Island, Welch has been associated with O. M. Scott & Sons for the past 15 years.

Edsel M. Fussell has been named director of entomological research and services for **Micro-Gen Equipment Corp.**, San Antonio, Tex. In addition he will act as consultant to Micro-Gen distributors and customers to outline programs for the safe and efficient use of Micro-Gen products.

Thomas J. Walsh has been promoted to marketing communications manager at **Thompson-Hayward Chemical Co.** In his new position, Walsh will be responsible for the overall administration and coordination of advertising, sales promotion and public relations. Walsh is a graduate of Notre Dame University.

C. M. Henderson has been elected president of **USS Agri-Chemicals**, a division of U.S. Steel. He is a member of the board of the Fertilizer Institute, a national trade association. A native of Brookneal, Va., Henderson has a B.S. degree from the University of West Virginia.

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Robert W. Beaman has been appointed product planning manager for **Massey-Ferguson's** consumer products in North America. In his new capacity, Beaman is responsible for consumer product planning, market forecasts, and marketing programs. Beaman joined the company in 1973 after receiving a degree in marketing from Drake University and has served as an area parts sales manager and district sales manager.

Jim McCreery, vice president of Klumb Co., Crystal Springs, Miss., was elected president of the **National Bark Producers Association** during its 5th Annual Convention held in Key Biscayne, Fla.

McCreery has been a past chairman of the membership committee and previously served as program coordinator for two of the association's annual conventions.

Northwest Industries Inc. announced that two of its subsidiaries, Velsicol Chemical Corporation and Michigan Chemical Corporation, have agreed in principle to merge, effective Jan. 1, 1977.

Dr. Paul F. Hoffman, president of Michigan Chemical and formerly executive vice president of Velsicol, will become chairman of the board and chief executive officer of the merged company, which will be known as Northwest Chemco, Inc.

Raymond W. VerHoeve, currently executive vice president of Velsicol and formerly vice president of technology and planning for Hooker Chemical Corp., will become president and chief operating officer.

Harriet B. Marple has been appointed the judicial officer of the **Environmental Protection Agency** by Russell E. Train, Administrator of the Agency.

Marple is an honors graduate of Radcliffe College and graduated from Harvard Law School in 1966.

The judicial officer of the EPA serves as the Administrator's adviser in the resolution of judicial and quasi-judicial decisions arising out of EPA's regulatory programs.

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