

U.S. Dept. of Labor prosecutes sod grower for hiring practices

The Department of Labor recently cited and assessed a penalty of \$8,000 to Warren's Turf Nursery Inc. for the way it obtains workmen for its nurseries.

The action centers on Warren's Sullivan, Wisconsin nursery, one of the firm's largest with more than 1,000 acres. The nursery annually hires 25 to 30 itinerate workmen from Mexico for the growing season.

The Department of Labor filed a complaint against Robert Milam, Warren manager at Sullivan, and assessed him with a penalty of \$7,000 for not registering as a labor broker. A citation was also issued against the Warren Corp. with an assessment of \$1,000 for hiring an unregistered labor broker, who is the firm's own manager, also Milam.

"The immigration people have made things very difficult for us," said Ben Warren, president of the company. "They have entered our bunkhouses. without warrants, at 3 or 4 am. They have driven over newly irrigated sod fields, doing serious damage, in their zeal to arrest "wet backs." They have demanded proof of citizenship from native born Americans, a practice which I understand is illegal."

Warren was also critical of trade associations whom he says have done nothing to help. "So far neither the Sod Growers Association or the American Association of Nurserymen have done anything except feel sorry for us. They act like they think 'Warren is guilty of breaking the law so we can't help them.' We have broken no laws.'

William Harding, legal counsel for the American Sod Producers Association, said, "The decision made by ASPA was that the resolution of the problem would come about quicker through legislation than through litigation. Our primary thrust is to get the legislation changed." He said the litigation would take a long time.

Lofts Seed and Southern Turf establish Sunbelt Seeds, Inc.

Lofts Pedigreed Seed, Inc., NJ, and Southern Turf Nurseries, Tifton, GA, have formed a new company based in Tucker, GA, called Sunbelt Seeds, Inc.

Peter Loft, chairman of Lofts, and Charles Nash, president of Southern Turf, said the company initially will specialize in marketing programs to the southern recreational turf market, particularly golf courses during the overseeding season. Sunbelt Seeds will also provide supplemental seed treatment for disease control as well as a blending service for those requiring special blends of seeds to fulfill their seeding needs.

There just isn't another sod cutter built like Ryan's.

2

This is the Ryan[®] Jr. Sod Cutter. The latest in a line that started 24 years ago. Naturally, we've made quite a few improvements since then, but today's Jr. Sod Cutter delivers the same, everyday dependability and reliable performance that made our first model so popular. Here's why.

(1) It has simple, one-man operation; (2) Hand lever

heavy-duty gear box is built to last year after year; (6) Self-propelled action lets you cut up to 135 feet of sod per minute.

With operating costs getting higher all the time, you need to get the most out of every hour's wage you pay. That takes a dependable crew, using dependable equipment. Like the

controls set the cutting depth up to $2\frac{1}{2}$; (3) A rugged 7-hp engine delivers plenty of power; (4) You can choose 12" or 18" width models; (5) Its

Ryan Jr. Sod Cutter. Ask your Ryan dealer for a demonstration. and see for yourself how we build a sod cutter. 80-CUR-5







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Land Reclamation Report

Interior approves funding for mine projects

Projects in various states have received federal monies for mining and reclamation contracts from the Department of the Interior.

The Water and Power Resources Service has awarded \$11 million to a California construction firm for work on the Southern Nevada Water Project. This entails construction of flow control facilities, tanks, and a chlorination station.

Joan M. Davenport, Assistant Secretary of the Interior for Energy and Minerals, has approved a mine expansion plan on some 6,680 acres of land in northern Colorado which will produce 31.2 million tons of steam coal over the next eight years.

Along with approval of this construction, the Interior has committed money to some reclamation projects. These include:

• An abandoned coal mine site that is causing air pollution in western Il-

linois at an estimated cost of over \$450,000,

• A \$2.4 million project to reclaim the abandoned Zayre strip mine and coal refuse bank in Wilkes-Barre Township, PA, and

• A plan to reclaim some 219 acres of abandoned coal mine lands in the Little Kyger Creek watershed in Gallia County, OH.

OSM gives statement on reclamation funds

The Office of Surface Mining has issued the Final Environmental Statement (FES) on the proposed use of the federal portion of fees collected from active coal operations to reclaim abandoned coal mine lands.

The FES examines five possible approaches for the allocation of the

20 percent federal share of the fees collected.

The preferred alternative is based on a goal-oriented approach which directs funds toward the most extensive abandoned mine land problems and toward those which most affect people.

Other alternatives are:

• Funding eligible projects in the order received, regardless of the location.

• Allocating funds based on the percentage each state or Indian tribe contributes to the fee collection system.

• Allocating based on the percentage of national historic coal production from a given area.

• Allocating on a state's or tribe's share of the Abandoned Mine Lands problems nationwide.

HYDROSEEDING AND MULCHING EQUIPMENT FINN LEADS THE INDUSTRY FOR OVER 30 YEARS



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For the first time, a trap rake that extra-smoothes sand. Just the way your golfers want it!

Unique Standard Duo-Rake lets user rake out deep footprints, other indentations — then turn rake over and blade out — absolutely smooth — the grooves or ridges that can be a menace to good play.

Golfers find Duo-Rake a delight to use because it's so lightweight and easy to handle.

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Add to this the no-rust, heavy-duty aluminum handle and chrome-plated 3-inch stand-up spike — and we ask — how can a rake be more maintenance free!

Choice of bright yellow or uncoated natural-aluminum-color handle.

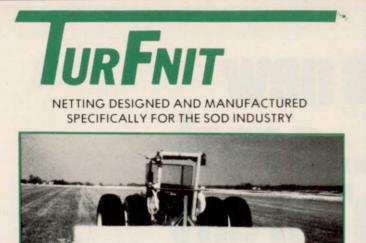
Duo-Rake head is interchangeable with head on other Standard Trap Rakes.

The Standard Touch makes the difference.

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Contact your Standard Distributor. Or write or phone for new Standard Duo-Rake Bulletin DR-'78. Standard Golf Company, 220 East Fourth Street, Cedar Falls, Iowa 50613. 319/266-2638.





Each roll of TURFNIT is 14' wide by 28" in diameter and weighs approx. 650 lbs. Picture above shows Councell's Universal Net Layer ready to lay roll of TURFNIT.



Picture above shows TURFNIT being laid in field after seeding. Roll of TURFNIT is stretched to approx. 116' width in field and each roll covers approx. 7 acres.



Above shows typical hole configuration of TURFNIT in field after installation.

- No Tent Up—weeds penetrate through TURFNIT
- In field use, TURFNIT withstood winds in excess of 50 MPH with no movement
- TURFNIT speeds up sod harvest time and helps prevent soil erosion
- Cut labor installation time by using TURFNIT

Please call or write for further information on TURFNIT: Joseph F. Lamb, President Delmarva Textile Co. Inc. 254 N. Rehoboth Blvd. Milford, DE 19963 (302) 422-7531

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PRODUCTS

Fastgrass, a varietal blend of fine-leafed perennial ryegrasses, forms a dense stand quickly and blends in well with other desirable grasses, such as Kentucky bluegrass, Creeping Red, or Chewing fescue. This variety, from Otto Pick & Sons Seeds Ltd., has a dark color, mowes easily, withstands low mowing heights, and resists many turf diseases. It holds up well to traffic and can be used on golf course fairways, tees, and greens in the South, football fields, and other highly tread areas.

Write 701 on free information card

Efficient handling of hose and electric cable saves time and convenience. Hannay Reels on Wheels handle fluids, gases, cable with electrical connections, or rope and chains. They adapt to a wide variety of maintenance applications, such as spraying, watering, fertilizing, edging, trimming, and pruning.

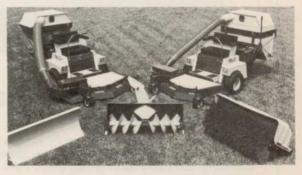
Models 1100 and 1200 are continuous flow reels and handle ³/₈ through 1-inch inside diameter hose. They are equipped with swivel joint inlets, fluid hubs and outlet risers, and are made with steel handles, rubber-tipped front legs, and rubber wheels for easy transport over uneven surfaces. Models for dry storage handle 2,000 feet of ³/₈-inch outside diameter cable, rope, etc. Another model transports electric cable and comes with a 6-foot lead of Type SO cable with a 3-prong male plug.

Write 703 on free information card

A quick disconnect of the 44-, 52-, and 61-inch mower decks makes for easy attachment of optional equipment on Grasshopper's 12- and 16horsepower riding mowers. Attachments include a 48-inch dozer blade, adjustable to bi-directional angles: snow thrower with 12-inch auger and rotating discharge chute: and rotary broom with protective cover.

A vacuum grasscatcher discharges into a selfcontained, rear-mounted collection hopper. A fan assembly powered by the mower deck drive conveys clippings to a catcher. Dual hydrostatic drives power each drive wheel independently, providing maneuverability that saves labor and fuel.

Write 705 on free information card



Correction: The Kleco drift-proof sprayer listed in March "Products" is manufactured by Kinder Lawn Equipment Co., Denton, TX.

Dicoa Irrigation Systems, a division of Raindrip, Inc., has introduced Turbo-Flush in-line emitters which have a wide flow path to prevent clogging. They are available in ¹/₂, 1, and 2 gph capacities for tubing sizes of .520 inch and .400 inch inside diameter.

Write 708 on free information card

A 60-inch rotary mower attachment provides a clean, even cut over most terrain because of its adjustable anti-scalp caster wheels in front and anti-scalp rollers in the center of the mower in the front and rear. The Gravely mower for 16 to 19.9 horse-power tractors comes with gauge wheels in the rear and an all-gear drive from tractor to mower gear box for efficient transmission of power.

Write 709 on free information card



A modular combine can seed, fertilize, dispense insect and weed controls, and aerate, all at once. The combine, called Trac'n Combo, by a manufacturer of the same name, can increase productivity and reduce costs by accomplishing several tasks in one pass. It mounts directly onto any tractor and its modular design allows good maneuverability, especially in confined areas.

A patented drive system allows the combine to dispense and aerate in either forward or reverse. Other features include retractable aerator and spinner plate for travel over rough terrain or curbs. The combine aerates up to 2 inches deep and dispenses over a 5 to 12 foot area.

Write 715 on free information card

A complete line of backhoe loaders come with sideshift to permit digging right next to barriers, me-



dians, fences, and property lines. It reduces interruption to traffic flow by leaving all lanes open except the one in which the loader is working. Sideshift also gives the operator an unobstructed view of the trench and anyone working in and around the trench. With the backhoe tucked in, there is greater road stability to and from the job.

Front loading provides up to 6,500 pounds lift, 13,800 pounds breakout, 15% cubic yard bucket, and 10 feet 11 inch loadover height. Digging depths range from 13 feet to 19 feet 2 inches. JCB Inc. makes the line.

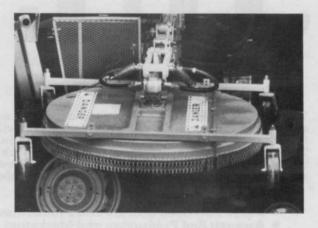
Write 707 on free information card

A grass seed product, ProTurf Utility Mixture, from O.M. Scott & Sons, establishes turf quickly, wears well, and covers throughout the year. It was developed especially for golf course roughs, school grounds, athletic practice fields, cemeteries, general landscape and utility areas, and where soil needs to be stabilized against erosion. It contains Victa Kentucky bluegrass, perennial ryegrass, and creeping red fescue.

Write 704 on free information card

Slope and ditch mower by Auto Specialties Mfg. Co. floats on a boom that extends to 28 ft. from its tractor mount. It solves problems by cutting vegetation in water-filled ditches, steep slopes, and along fencelines. A brake keeps the head from creeping under its own weight. More than 1,000 units are currently used for right-of-way work.

Write 716 on free information card



Fiber-Lock, an acrylic emulsion binder developed by Superior Fiber Products Co. locks in soil stability in landscaping and land reclamation. It has been designed to control erosion, minimize sediment loss, keep down blowing dust, and act as an efficient binder. It can be used in hydroseeding or hydrograssing projects in either a one-step or multi-process. The product comes in 5-gallon pails and 55-gallon drums.

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A soil salts meter from Advanced Marketing, Inc. indicates soluble salts in soil at a "Safe" or "Danger" level in a 5 second test. It is permanently calibrated and requires no battery. Simple directions tell how to correct imbalance.

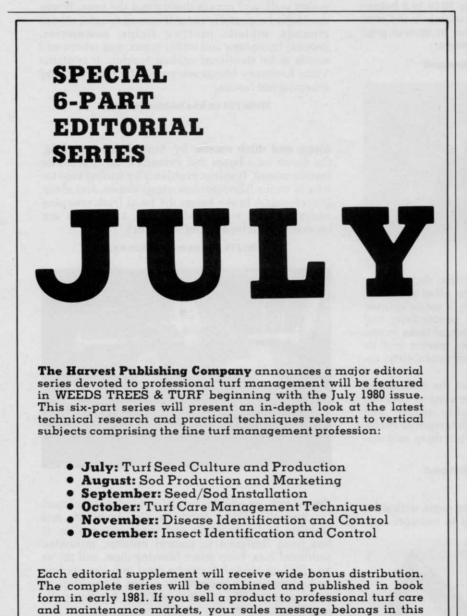
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The current issue of WEEDS TREES & TURF carries meeting dates beginning with the following month. To insure that your event is included, please forward it, 90 days in advance, to: WEEDS TREES & TURF Events, 9800 Detroit Ave., Cleveland, OH 44102.

Residential Landscape Design Course I, Milwaukee, WI, June 18**20.** Contact John Shaw, Executive Director, ALCA, 1750 Old Meadow Rd., McLean, VA 22101, 703/821-8611.

Metropolitan Tree Improvement Alliance papers on "Urban Trees and Their Soils," Rutgers University, New Brunswick, NJ, June 18-20. Contact Dr. David F. Karnosky, Cary Arboretum, Box AB, Millbrook, NY 12545, 914/677-5343.



Advertising Closing Dates: June 20th

HEDSTREESETURE

Material Due: June 25th

26th Grass Breeders Work Planning Conference, Utah State University, Logan, UT, June 18-20. Contact K.H. Asay, Research Geneticist, Crops Research Laboratory, U.S.U.UM63, Logan, UT 84322.

Residential Landscape Design Course I, Tucson, AZ, June 23-25. Contact John Shaw, Executive Director, ALCA, 1750 Old Meadow Rd., McLean, VA 22101, 703/821-8611.

Lawn Institute Annual Meeting, Del Coronado Hotel, San Diego, CA, June 23. Contact Robert W. Schery, Director, 991 W. 5th St., Marysville, OH 43040, 513/642-1777.

American Seed Trade Association, Del Coronado Hotel, San Diego, CA, June 23-25. Contact Dr. Harold D. Loden, Executive Vice President, Turfgrass Div., 1030 15th St. NW, Washington, DC 20005, 202/223-4080.

Dutch elm disease training course, Sault Ste. Marie, Ontario, June 23-26. Contact Dr. Peter F. Rice, c/o Royal Botanical Gardens, Box 399, Hamilton, Ontario, Canada. L8N 3H8, 416/527-1158.

University of Massachusetts Field Day, South Deerfield Plot, South Deerfield, MA, June 25. Contact Dr. Joseph Troll, Dept. of Plant and Soil Science, Stockbridge Hall, Amherst, MA 01003, 413/545-2353.

Residential Landscape Design Course II, Phoenix, AZ, June 26-28. Contact John Shaw, Executive Director, ALCA, 1750 Old Meadow Rd., McLean, VA 22101, 703/821-8611.

Minnesota Park Supervisors Association spring meeting, Northrup King Co., Eden Prairie, MN, June 27; summer meeting, Duluth, MN, Aug. 15-16; fall meeting, Red Wing, MN, Oct. 10-11; and winter meeting, Washington County Park Dept., Dec. 2. Contact Thomas Feltl, M.P.S.A. Secretary, 8200 Wayzata Blvd., Golden Valley, MN 55427.

Niagara Falls Convention & Trade Show, Niagara Falls Convention Center, Niagara Falls, NY, June 30-July 3. Contact Margaret Herbst, Executive Secretary, NY State Nurseryman's Assn., Inc., 101 Park Ave., New York, NY 10017.

American Association of Nurserymen's 105th Annual Convention and Trade Show, Radisson Muehlebach Hotel, Kansas City, MO, July 13-16. Contact Harry C. Kiely, Ad-

special editorial series.

ministrator, American Association of Nurserymen, Inc., 230 Southern Buidling, 15th & H Streets, N.W., Washington, DC 20005, 202/737-4060.

Aquatic Plant Management Society annual meeting, Sarasota Hyatt House, Sarasota, FL, July 13-16. Contact International Plant Protection Center, Oregon State University, Corvallis, OR 97331.

Plant Growth Regulator Working Group meeting, Dallas Sheraton Hotel, Dallas, TX, **July 13-16.** Contact Dr. Louis G. Nickell, Program Chairman, Velsicol Chemical Corp., Research & Development, 341 E. Ohio St., Chicago, IL 60611, 312/670-4740.

Athe National Association of Cemeteries annual maintenance meeting, Indianapolis, IN, july 17-19. Contact Russell P. Rager, Washington Park Cemetery, 10800 E. Washington Street, Indianapolis, IN 46229, 317/898-6611.

American Sod Producers Association summer convention & field days, Four Seasons Hotel, Alberta, Canada, July 20-22. Contact ASPA, Bob Garey, Executive Director, 9th & Minnesota, Hastings, NE 68901, 402/463-4683.

Wisconsin Park and Recreation Association tour and equipment demonstration, Washington County, July 24-25. Contact Jerry Adams, County Park Dept., 515 E. Washington St., West Bend, WI 53095, 414/338-4445.

North American Forest Tree Nursery Soils five-day workshop, State University of New York College of Environmental Science and Forestry (ESF), Syracuse, NY, July 28-Aug. 1. Contact Dean, School of Continuing Education, SUNY College of Environmental Science and Forestry, Syracuse, NY 13210, 315/473-8711.

Penn Allied Nursery Trade Show, Hershey Convention Center, Hershey, PA, **July 29-31.** Contact S. Howard Davis, Executive Director, Pennsylvania Nurserymen's Assn., 234 State St., Harrisburg, PA 17101, 717/238-1673.

Southern Nurserymen's Trade Show, Atlanta Convention Center, Atlanta, GA, Aug. 2-6. Contact Tommy Henegar, Southern Nurserymen's Assn., 3813 Hillsboro Rd., Nashville, TN 37215, 615/383-5674. **Roadside Vegetation Management and Manipulation Program,** San Antonio, TX, **Aug. 4-8.** Contact Robert Guinn, Engineer of Maintenance, Texas Department of Highways and Public Transportation, Highway Building, Austin, TX 78701.

Ohio State University Turf Field Day, OSU Turfgrass Research Facility, Columbus, OH, **Aug. 5.** Contact Keith Karnok, OSU Dept. of Agronomy, 1827 Neil Ave., Columbus, OH 43210, 614/422-2591.

Fertilizer Institute Trade Fair, Roe Vartle Hall, Kansas City, MO, Aug. 5-6. Contact Barbara Schoen, 1015 18th St., NW., Washington, DC 20036, 202/466-2700.



Rutgers Turfgrass Research Day, New Brunswick, NJ, Aug. 6. Contact Ralph E. Engel, Research Professor of Turfgrass Management, Rutgers University, P.O. Box 231, New Brunswick, NJ 08903, 201/932-9427.

Illinois Landscape Contractors Association annual summer field day, Chicago Horticultural Society Botanic Gardens, Glencoe, IL, Aug. 6. Contact Lucile Little, 202 W. Main, Box 1049, St. Charles, IL 60174, 312/584-5770.

Residential Landscape Design Course I, Seattle, WA, Aug. 7-9. Contact John Shaw, Executive Director, ALCA, 1750 Old Meadow Rd., McLean VA 22101, 703/821-8611.

International Society of Arboriculture, Sheraton-Hartford Hotel, Hartford, CT, Aug. 10-14. Contact Ervin C. Bundy, ISA Executive Director, P.O. Box 71, 5 Lincoln Square, Urbana, IL 61801, 217/320-2032.

American Association of Nurserymen management seminar, St. Louis, MO, Aug. 10-15. Contact Robert S. Fortna, 230 Southern Building, Washington, DC 20005, 202/737-4060.

Residential Landscape Design Course II, Seattle, WA, Aug. 11-13. Contact John Shaw, Executive Director, ALCA, 1750 Old Meadow Road, McLean, VA 22101, 703/821-8611.

Iowa State University Turfgrass Field Day, Horticulture Research Station, Ames, IA, **Aug. 12.** Contact A.E. Cott, Extension Horticulturist, Dept. of Horticulture, Iowa State University, Ames, IA 50011, 515/294-1870.

Central Plains Turfgrass Foundation Field Day, Kansas State University Turf Conference, KSU Union, Manhattan, KS, Aug. 13. Contact Dr. R.N. Carrow, Secretary/Treasurer, Horticulture Dept., Waters Hall, Kansas State University, Manhattan, KS 66506, 913/532-6170.

Massachusetts Nurserymen's Association and the New England Nurserymen's Association summer meeting, Weston Nurseries, Hopkinton, MA, Aug. 13. Contact Deborah M. Fanning, Associate Director, MNA, 715 Boylston Street, Boston, MA 02116, 617/266-6800.

Lawn, Garden Outdoor Living, Div. National Hardware Show, McCormick Place, Chicago, IL, Aug. 13-16. Contact National Hardware Show, Charles Snitow, 331 Madison Ave., New York, NY 10017, 212/682-4802.

Tan-Misslark Trade Show, Astro Hall, Houston, TX, Aug. 16-19. Contact Bill Fullingim, Texas Assn. of Nurserymen, 512 E. Riverside Dr., Austin, TX 78704, 512/444-74 89.

International Arboricultural Conference, University of Sussex, Brighton, England, Aug. 18-21. Contact Mrs. Moira Allan, Latchetts, 23 Portsmouth Lane, Haywards Heath, Sussex. RH 16 1SE, England, Tel: 04447-3344.

Rhode Island Turfgrass Field Day, Turf Research Farm, University of Rhode Island, Kingston, RI, **Aug. 20.** Contact Professor C.R. Skogley, Plant and Soil Science Dept., University of Rhode Island, Kingston, RI 02881, 401/792-2570.

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Superintendents, Contractors, Lawn Care Managers, New, On-the-Job Reference. The Turf Managers' Handbook is a comprehensive, organized approach to turfgrass science and care. It has been designed and written by leading turf specialists from Purdue, Dr. William Daniel and Dr. Ray Freeborg, for on-the-job reference and as a text for students.

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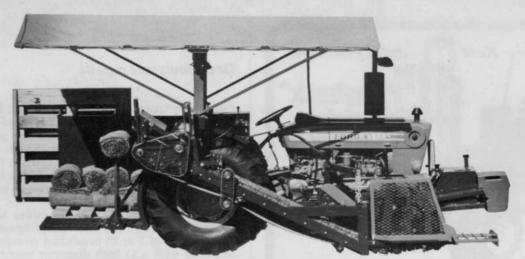
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chemical applications, and extensive metric-imperial conversion. Business and technical aspects of turfgrass management are covered in this 424-page book. Planning, purchasing, hiring, construction, and plant selection are put together for easy on-the-job reference. Markets covered include lawn care, sod production, golf course nanagement, cemeteries, athletic fields, and low maintenance areas. If it concerns turf, it's in the Turf Managers' Handbook.

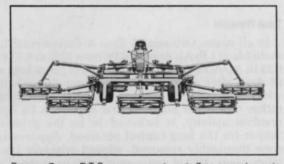
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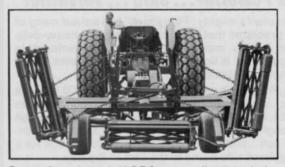


Brouwer Sod Harvesters – Cut, Roll, Slab, Fold, all grasses, all seasons, all conditions in 15, 16, 18 and 24 inch widths and choice of pallet sizes.



Brouwer 7 gang P.T.O. mowers — cuts up to 7 acres per hour at normal speed with 30 HP Tractor. Unique Positive P.T.O. Drive uses less horsepower, successfully operates in varying grass conditions.

P.T.O. MOWERS



Brouwer 5 gang hydraulic lift P.T.O. mowers offer all standard Brouwer mower features plus hydraulic lift.

With an all Brouwer package, you can improve your bottom line.

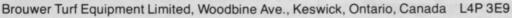
Brouwer Harvesters give you a more uniform cut, less down time, less top soil removal and a harvester that operates off the uncut turf. Over 1000 Top Turf men around the world use Brouwer Harvesters to assure themselves top profit.

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Dealer/Distributor Inquiries Invited



Greenbug from page 64

deep were taken from areas on the test lawn with high numbers of greenbugs or those showing symptoms of damage. Each sample was placed in a Berlese funnel, a device with a 25 watt incandescent bulb which generates heat to drive the aphids out of the sample. Over a period of 24 hr the aphids were driven into a jar of 70% ethyl alcohol, and later counted under a microscope.

Since the number of turf samples taken was limited by practicality, later sampling consisted of taking 3 sets of 5 or 10 pendulum sweeps over the test area with a 15 inch diameter insect net. The aphids collected in the net were placed in 70% ethyl alcohol until counted.

Test Results

In all cases, Orthene 75 Tree & Ornamental Insecticide at 1 lb AI/Acre and Pirimor 50W at 0.5 and 0.25 lb AI/Acre gave excellent control for as long as 68 days after application. The thoroughness with which the initial treatment removed the aphids rather than what might at first appear to be long residual activity, is believed to be the primary reason for the long control obtained. Apparently, once thoroughly removed, winged migrarits from other areas did not cause reinfestation. A word of caution, however, the tendency for reinfestation by migrants could increase in years when rain is scarce from July through September.

Using the data gained from these tests as the basis, a petition for 24(c) Special Local needs labeling (state label) to use these products in Ohio only was approved in 1979. This labeling must be in possession of the user at the time of application. Data from these tests are also presently being used to support similar labeling in other states where the greenbug has caused damage.

Application

The greenbug has already demonstrated the capability of developing resistance to OP insecticides, therefore, it would be wise to alternate between Orthene (an OP) and Pirimor (a carbamate) when treatment is necessary. This action should forestall the aphids developing resistance to Orthene for at least a few years.

Cooperation the Key

Obtaining the 24(c) label was accomplished as the result of a truly cooperative research effort between the Ohio Agricultural Research and Development Center, Mike Dietrick of ChemLawn Corporation Research Center, Milford Center, Ohio, and Doug Halterman of Leisure Lawn Corporation, Dayton, Ohio. Much credit also goes to Kevin Power, Technician, and "Harry's Angels", Abby, Debbie and Gayle, of the OARDC, who spent many hours counting thousands of aphids in the hundreds of samples taken. We are pleased that these two effective tools have been labeled for control of this pest and, at the same time, proud that "we," the OARDC and you, the lawn care industry, accomplished it working together.