

Classifieds

When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

Rates: "Position Wanted" 10c per word, minimum \$3.00. All other classifications 20c per word, minimum \$4.00. All classified ads must be received by Publisher the 10th of the month preceding publication date and be accompanied by cash or money order covering full payment. Bold-face rule box: \$25.00 per column inch, two inch minimum.

FOR SALE

PRIME TREE SPRAYING business located in Westchester County, New York, established 20 years ago. Gross volume approximately \$55,000 to \$65,000 a year plus considerable tree surgery work that is referred to other companies in the area. There is more than \$40,000 in equipment which ranges from office data processing machines to 600-gal. hydraulic sprayers. This also includes a modern 2-way radio network with three licensed base stations. There is approximately a \$5,000 inventory. This gross business is done in less than a seven-month period with a payroll of only \$12,500. It nets well into five figures plus other valuable considerations for its owner. The asking price is \$50,000, or we would consider selling the business and equipment separately. Terms arranged. Priced for a quick sale. List of equipment and inventory mailed on request. Mail inquiry to Mr. H. G. Widmark, Pres., Widmark Scientific Control, Inc., Drawer 151, Harrison, N. Y. 10528.

FOR SALE

IOWA BOOM unloader, standard model, less bed, new expanded upright, newly rebuilt, cleaned and prime painted, \$2300. Minn Turf Equipment Corp., 7100 France Avenue, South, Edina, Minn. 55435.

NATIONAL 72-inch riding reel mower, Mott 24 inch self-propelled hammer knife mower. All in excellent condition. Lake View Memorial Gardens, Belleville, Illinois 62221.

SPRAYERS, USED, all sizes and makes, at large savings. Send your requirements. Equipment Sales Co., 4742 Sunrise Highway, Massapequa Park, N. Y. 11762.

1965 BEAN 301 Roto-Mist, 300 hours use. A-1 condition. Paul VanderMass, 4970 Cascade Rd., SE, Grand Rapids, Michigan 49506. Phone 949-4168.

REBUILT RYAN Sod Cutters with or without cutoff. Sharon Welding Company, 11674 U.S. 42, Cincinnati, Ohio 45241.

HELP WANTED

FIELD SUPERVISOR Industrial Weed Control firm in eastern Pennsylvania is looking for a field supervisor. Degree in one of the agricultural sciences is desirable but not necessary. Write Box 30, Weeds, Trees and Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

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POSITIONS WANTED

AGGRESSIVE, profit-minded experienced and production and marketing manager with proven record, seeking right opportunity with expanding sod operation interested in dynamic growth. Write Box 31, Weeds Trees and Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

Send for FREE Literature on BACHTOLD Quality MOWERS and ATTACHMENTS

featuring **Variable Speed DRIVE & SAFETY Blade Clutch**

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BACHTOLD BROS INC. FORREST, ILLINOIS

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- 30" Lawn Mower Attachment 26" Weed Mower
- Brand New Easy riding sulky available.

NAME _____

ADDRESS _____

TOWN _____ STATE _____

Meeting Dates



National Pollution Control Exposition and Conference, Houston Chamber of Commerce, Astrohall, Houston, Tex., April 3-5.

Florida Turfgrass Trade Show, Florida Turfgrass Foundation, Jack Tar Harrison and Belleview - Biltmore Hotels, Clearwater, Fla., April 24-26.

Keystone State Association of Cemeteries, Spring Convention, Shawnee on the Delaware, June 9-12.

Turfgrass Sprinkler Irrigation Conference, University of California Extension Conference Center, Lake Arrowhead, Calif., June 21-23.

Tri-County Chapter, California Landscape Contractors' Association, 17th Annual Convention, Ojai Valley Inn and Country Club, Ojai, Calif., June 25-29.

Lawn and Utility Turf Growers Field Day, Rutgers University, College of Agriculture and Environmental Science Campus, New Brunswick, N. J., July 30.

Golf and Fine Turf Growers Field Day, Rutgers University, College of Agriculture and Environmental Science Campus, New Brunswick, N. J., July 31.

Midwestern Nurserymen's Summer Meeting, Zelenka Evergreen Nursery, Grand Haven, Mich., August 13-14.

1968 Turfgrass Field Day, Pennsylvania State University, Joseph Valentine Turfgrass Research Center, Campus, noon August 21-noon August 22.

Lawn and Ornamentals Days, Ohio Agricultural Research and Development Center, Wooster, Ohio, September 10-11.

1968 Southern California Equipment and Materials Educational Exposition, City Park, Lynwood, Calif., October 16-17.

American Society of Agronomy, 1968 Annual National Meeting, Jung and Roosevelt Hotels, New Orleans, La., Nov. 10-15.

Weed Science Society of America, Annual Meeting, Las Vegas, Nev., February 10-13.

Only By Chance Do Bark Beetles Locate Elms

Scientists have found insect-feeding stimulants and deterrents in the bark of some trees. Most important is the chemical in the American elm which stimulates bark feeding by the European elm bark beetle, transmitter of Dutch elm disease fungus.

The scientists also discovered that the beetles are not actually attracted to healthy American elms as was previously believed. Instead, beetles feed on the elms only when finding them at random in their flight. If the beetles land on non-host trees, they are deterred from eating by a chemical in the bark. They continue on until they find an American elm.

Both discoveries, according to the researchers, will have great significance in control of Dutch elm disease. They also provide information about the probable nature of chemical communications between many other insects and their perennial host plants.

University of Wisconsin scientists, Dale M. Norris, James E. B. Baker, B. M. Trost and Barry L. Gilbert, have isolated the chemical stimulant, pentacyclic triterpene, from the bark of American elms. A deterrent chemical, juglone, has also been isolated. Juglone keeps the elm bark beetle from feeding on the bark of shagbark hickory, a non-host tree. It does not, however, stop the hickory bark beetle from feeding on the shagbark hickory.

Chemical deterrents to elm bark beetle feeding have also been found in white oak. The researchers expect there are deterrent chemicals in most, if not all, non-host trees.

Norris says his group will attempt to protect important trees from insect attack by altering the taste of the trees and thus confusing the insects.

Trimmings

Forest of Fifty. Each state is represented by its official or otherwise favorite native tree in a unique planting near Portland, Ore. The Oregon Association of Nurserymen has established a 50-tree forest of state trees just south of Portland at a rest area on the Baldock Freeway. The site is near the Hubbard Interchange. Trees are small as yet, since the young forest was established just more than a year ago. The first grove of 13 trees represents the original 13 colonies. Then come state trees by sections of the country. This is a tribute to the national beautification program and an honor to each state, thanks to Oregon's progressive nurserymen.

* * *

Green Seed Marks the Trail. Embankments on the interstate highway through Salt Lake City, Utah, have been planted with dyed grass seed sprayed on with a hydroseeder. Green dyed seed serves as a marker for workmen who can easily spot the areas covered.

* * *

Trial By Students. Colorado State University is establishing a research green for student use. A 10,000 square foot area near the Student Union will be used in the hope that heavy student traffic will simulate golf course conditions. Idea is to research methods for establishing superior greens. Agronomist R. E. Danielson is also seeking US Golf Association support for funds to research soil matrix needs for turf maintenance under heavy recreational use.

* * *

We goofed. Our apologies to Hercules, Inc. and Evan Swartz. We ran an interesting article in the March WTT on the use of invert sprays for improved spray drift control. Author Swartz, director of the Noxious Weed Department at Shawnee County, Kan., related his experiences with Visko-Rhap used for roadside spraying. We tagged the article with a headline which said "thickeners" when we should have said "Use Invert Sprays."

* * *

Good News for the Industry. The University of Delaware Research Foundation has just released a report stating that herbicides used in farm and industry are not contaminating ground water. E. M. Rahn, horticulturist at UD, reports also that herbicide residues appear in small amounts in surface runoff water only under unusual condition. Highly sensitive detection methods to analyze ground and surface water were used on periodic samples from fields treated with atrazine and trifluralin, and from an industrial area treated with enough bromacil to control vegetation for a period of years. No trace of herbicides was found in ground water seeping into nearby drainage ditches or streams. Surface runoff showed only 10 parts per billion, which is about 100 times less than the amount considered harmful to plant or animal life.

Insect Report

WTT's compilation of insect problems occurring in turfgrasses, trees, and ornamentals throughout the country.

ORNAMENTALS

APHIDS (*Aphis* spp.)

Alabama: *A. spiraeola* eggs hatching on spirea plants in central and southern areas throughout winter; adults not abundant. Nymphs increased to 10-25 per branch tip in Lee county due to higher temperatures and more sunlight hours. **Arizona:** *A. spiraeola* heavy on young tip growth of many pyracantha plantings in Phoenix area, Maricopa County. *A. nerii* heavy on oleander terminals in Yuma, Yuma County.

PEA APHID (*Acyrtosiphon pisum*)

Arizona: Heavy on untreated snapdragon plantings in west Phoenix area, Maricopa County.

TULIP BULB APHID (*Dysaphis tulipae*)

Alabama: Heavy in several packages of iris bulbs shipped from an out-of-state nursery; moisture loss to bulbs and thousands of dead and dying aphids resulted.

TREE INSECTS

WHITE-PINE APHID (*Cinara strobi*)

Maryland: Eggs heavy on white pine needles at Bel Air, Harford County.

BARK BEETLES (*Dendroctonus frontalis*)

Maryland: Killed isolated loblolly pines in Worcester and Somerset Counties.

(*Ips* spp.)

New Mexico: Killing ponderosa pines at Los Alamos, Los Alamos County.

DOGWOOD BORER (*Thamnosphenia scitula*)

Alabama: Larvae active on warm days on dogwoods on lawns and streets in southern and central areas; some pupation evident.

EASTERN TENT CATERPILLAR (*Malacosoma americanum*)

Alabama: Egg clusters light, 0-3 per tree, on isolated cherry trees in Lee County; no hatch to date. Some egg masses partially destroyed, probably by birds.

AN ARMORED SCALE (*Hemiberlesia lataniae*)

California: Moderate on palm nursery stock in Fallbrook, San Diego County.

PINE NEEDLE SCALE (*Phenacaspis pinifoliae*)

Alabama: Very light on few loblolly and slash pine plantings in Lee County; lighter in area than in most years.

Compiled from information furnished by the U. S. Department of Agriculture, university staffs, and WTT readers. Turf and tree specialists are urged to send reports of insect problems noted in their areas to: Insect Reports, WEEDS TREES AND TURF, 9800 Detroit Ave., Cleveland, Ohio 44102.

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