

**Praise Water-Soluble Diquat  
For General Home Weed Control**

"Water-soluble Diquat is an effective contact herbicide for control of young annual weeds, and temporarily controls herbaceous perennials," according to J. B. McHenry in the January 1964 issue of the University of California's Ag Extension Service *Pest Control Review*.

Diquat is currently registered as a seed crop desiccant, a general weedkiller, and an aquatic herbicide. Action of Diquat is such that it is absorbed only through leaves. Since it is deactivated by contact with soil it cannot be absorbed by roots of desirable plants. By directing spray onto leaves of weeds under trees, around gardens, in patios, and on walks, selective control is attained.

Availability of the 2 lbs. of active cation per gallon is to professional applicators only. California Chemical Co. does not presently formulate a preparation for homeowner use.

California Extension Service

recommends the addition of 6 to 8 ounces of surfactant to each 100 gallons of spray mix to enhance the phytotoxic action of Diquat herbicide. The fact that Diquat is water soluble, odorless, and will not stain painted or masonry structures makes it desirable for use around homes, the report maintains.

**Bark Beetle Fungi Fell Pines**

Pine trees usually succumb after an attack by bark beetles only indirectly because of the beetles, according to Dr. M. H. Farrier, entomologist at the North Carolina State College, Raleigh.

Real culprit is the blue-stain fungus which both the southern pine beetle and the Ips engraver beetle carry. Even though the beetles may be killed after infesting a pine, the fungi they have carried plug the water-carrying vessels of the tree, and the tree dies from drought.

Only sure control for the blue-stain fungus, Dr. Farrier recommends, is adequate prevention before beetles strike.

**New England Herbicide Workshop  
(from page 20)**

more susceptible species, Dr. Ahrens further reported. Assuming a simazine residue of 1 lb. per acre, 100 lbs. of charcoal could be used to prevent the expected simazine injury when susceptible species are to be planted.

Final speaker on the program was Prof. Jay S. Koths who discussed herbicide usage in greenhouses. Principle use in this area is on the floor to control weeds and the pests that survive or build up in numbers on the weeds, the expert commented.

Only nonvolatile, long-lasting herbicides should be used for this purpose, he continued. These include monuron, diuron, neburon, simazine, and atrazine.

In accordance with the policy of rotating areas of interest in this New England Herbicide Workshop, there is a possibility that turf will be one of the subjects to be discussed next year, Professor Koths told *Weeds and Turf*.

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KILLER**

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## Classifieds

When answering ads where box number only is given, please address as follows: Box number, c/o Weeds and Turf, 1900 Euclid Avenue, Cleveland, Ohio 44115.

**Rates:** "Position Wanted" 5c per word, minimum \$2.00. All other classifications, 10c per word, minimum \$2.00. 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.

### HELP WANTED

**OUR COMPANY** is now operating in termite and pest control. We wish to expand into weed control, turf maintenance, tree care, etc. If you qualify to form and manage this new department, kindly give education details, experience, reference and personal data. Write Box 512, Havertown, Pa.

### MISCELLANEOUS

#### TO EMPLOYERS who advertise for men!

The letters you receive in answer to your advertisements in WEEDS and TURF are submitted by each of the applicants with the hope of securing the position offered. When there are many applicants it frequently happens that the only letters acknowledged are those of promising candidates. (Others do not receive the slightest indication that their letters have even been received, much less given any consideration.) These men often become discouraged, will not respond to future advertisements and sometimes even question if they are bonafide. We can guarantee that every advertisement printed in WEEDS and TURF is duly authorized. Now won't you help keep our readers interested in this advertising by acknowledging every application received, even if you only return the letters of unsuccessful applicants to them marked, say, "Position filled, thank you"? If you don't care to reveal your identity mail them in plain envelopes. We suggest this in a spirit of helpful cooperation between employers and the men replying to Help Wanted advertisements. Put yourself in the place of the other fellow.

#### One Aphid Is Danger Sign

Discovery of a single aphid on ornamentals is an indication that spraying should begin immediately, according to William Hantsbarger, extension entomologist at Colorado State University, Fort Collins.

"Usually too many people wait too long," Hantsbarger points out. "When aphids and plant lice are so numerous that leaves of plants begin to curl, irreparable damage has already been done."

Aphids, or plant lice, feed on most plants, including annuals, perennials, shrubs, and trees. Either malathion or lindane may be used as a controlling spray, Hantsbarger reports. "Repeated spraying will probably be needed throughout the summer."



**New, all-purpose** 10-gallon power sprayer from Root-Lowell Corp. features 4-cycle, 2-hp. gasoline engine with recoil starter. Fully adjustable power spray gun attaches to a 3-nozzle hand boom for small trees, high shrubs, and dense plantings; an easily mounted 4-nozzle lawn boom is also available for wide-swath lawn spraying, the firm reports. For more information contact Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago 11, Ill.

#### Henderson Reveals New Multi-Use Power Turf Maintenance Tool

A new 28-inch self-propelled power lawn tool which either mows, renovates, or sweeps (as separate operations or as one) is now available from Henderson Manufacturing Co.

Called the Henderson Contour 28 Turf-Tool, the machine possesses fingertip controls which adjust depth of cut and permit variations of travel speed for both mowing and renovating. Dual cutting blades are individually bolted to a patented hexagon tubular shaft. These cutting blades are accessible without tilting or lifting the machine.

Henderson says the dual cutting blades, which may be replaced on the job by the operator, offer the advantage of lighter weight, which reduces impact and consequently reduces machine damage and the chance of injury.

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Turf management specialists who want to know more about the new Henderson combination tool should write to E. P. Shapland, Henderson Manufacturing Co., 612 West Hessel Blvd., Champaign, Ill.

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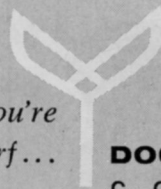
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#### FISONS MCPP SELECTIVE WEED KILLER

A potassium salt formulation containing 2½ lbs. of MCPP per gallon. Made available through Fisons research in England. Developed especially for use on fine turf grasses where control of chickweed (common and mouse-ear), clover, and knotweed has heretofore been difficult to accomplish without injury to bent grasses, bluegrass, and fescues. Because of its safety features, it is slow-acting; full effects from treatments are not visible for about three weeks.

Also available — FISONS DSMA 100 AMA for crabgrass control as well as FISONS DSMA 100 for control of Dallis grass.

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#### FISONS DAP-CAL

60% Mercurous Chloride, 30% Mercuric Chloride. Suspension type fungicide based on combination of mercury chlorides for positive long-lasting control of Large Brown Patch, Dollar Spot, Snow Mold.

75% Thiram

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Wettable powder 75% Thiram, a proven fungicide for the prevention and control of Brown Patch, Dollar Spot, Snow Mold, Fisons TURF-TOX may be safely mixed with mercury to your own specifications. Apply to prevent disease or to control it after it occurs.

Thiram with Mercury

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One convenient wettable powder formulation that eliminates the need for on-the-spot mixing. Fisons TURF-TOX MC combines the widely used turf fungicides, Thiram, Mercurous Chloride and Mercuric Chloride, for the prevention and control of Dollar Spot, Brown Patch, Copper Spot, and Snow Mold.

Also available — FISONS 10% PHENYL MERCURY ACETATE. Effective for control of Bluegrass Blight, Curvularia Blight, Copper Spot, Dollar Spot, Pink Patch, Snow Mold.

### TURF FERTILIZERS

#### FISONS XL TURF FERTILIZER 28-7-14

A concentrated water soluble fertilizer in the popular 4-1-2 ratio suitable for use on greens and fairways. XL Turf Fertilizer provides a better control of growth, texture and color by going to work instantly, feeding through blades and roots.

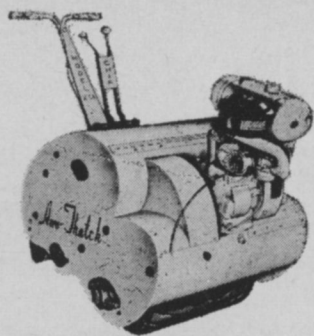
Also available — XL LIQUID FERTILIZER, 15-10-5, and STOP-WILT, an emulsifiable vinyl compound in concentrated form for preventing moisture loss.

For further information and the name of your nearest distributor, write:



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Name .....

Address .....

City .....

State..... Zip.....

*Naturally, there is no obligation!*

## Cornell Sells Color Photo Guide to Turf Problems

Twenty-four common turf problems, such as leaf spot disease, chinch bug damage, drought, and fertilizer injury, are presented in glossy color photos along with a written description of each condition in a handy pocket-sized guide, produced by Cornell University, called "Picture Clues to Lawn Troubles."

The booklet is written by Norman J. Smith, Nassau County Extension Agent, in collaboration with Professor John F. Cornman, Horticulture Department, Cornell University.

Although the booklet contains no specific recommendations for control or correction, general suggestions are made, and it is an excellent aid to one who may not be familiar with the overall looks of some of the lawn ills.

It costs 75 cents and can be obtained by writing either to the Mailing Room, Cornell University, Ithaca, New York, or the Nassau County Extension Service Association, Agricultural Department, 1565 Franklin Ave., Mineola, Long Island, New York.

## New Bulletin Gives Aquatic Weed Control Specs for Ill.

Illinois State Department of Conservation recently published a booklet, "Aquatic Weeds, Their Identification and Methods of Control" by Albert C. Lopinot, Fishery Biologist.

This 47-page booklet discusses the case against aquatic weeds and various control methods of the past. Included also are instructions to determine areas to be treated, dosage needed, and application means.

Since identification is essential, the greater part of the booklet is turned over to plant drawings and descriptions of those weeds found in Illinois. A chart of recommended chemicals and dosages accompanies each species.

A copy may be obtained free by writing for Fishery Bulletin No. 4, to Division of Fisheries, Room 102 State Office Building, Springfield, Ill.

## Trimmings

**A fresh new crop.** Turf maintenance companies or turfgrass supervisors need not fear that the burgeoning industry will be insufficiently manned in the years to come, we're prompted to comment after reflecting on February's International Turf-Grass Conference in Philadelphia. Conspicuously on hand were 50-plus blazer-clad, bright-eyed turf management students from the University of Massachusetts, down to Philadelphia to get an advance peek at the nature of their chosen jobs. Also in evidence was a flock of earnest student-scientists from Dr. Joe Duich's renowned turfgrass school at Pennsylvania State University. If the representation of these two schools alone is any indication, turf managers of the future will have benefitted from fine schooling, enthusiastic guidance, and some down-to-earth experience with practical aspects of the profession. We congratulate these two schools, and the others like them, on a fine job which will be a keystone in building America's turf industry to soaring new heights in the next decade!

\* \* \*

**Tarheel Titan.** Each year the Southern Weed Conference has an essay contest, and we're informed that for the second year in a row, North Carolina State College has provided the winner. He's Horace Dean Skipper, whose efforts have been soundly commended with a \$500 scholarship to continue his graduate studies. Title of this titan's essay? "Career Opportunities in Studying Herbicide Residues." Quite a feather in the Tarheel school's already feathery cap.

\* \* \*

**Turf and surf.** We've just learned that the turfgrass industry on the island of Oahu in Hawaii is a million-dollar-a-year industry, and turfgrass people there have just formed the Oahu Turfgrass Council which will seek to collect, preserve, and disseminate information on development and maintenance of turfgrasses. This is interesting news indeed, and we're wondering if first hand investigation of this phenomenon isn't in order. Perhaps some footloose readers would like to join us in the First Annual Weeds, Turf, and Surf Tour of Tantalizing Technology, for an on-the-spot look at turfgrass maintenance in our 50th State!

\* \* \*

**Let us spray.** Down in Ft. Lauderdale, we hear, one Sydney Kirkpatrick has a going enterprise which encompasses power spraying, fertilizing, landscape service, and care of palm trees and shrubs. "Kirk" has a unique customer service which we think is worthy of passing on to other readers. He mails periodic news bulletins to his customers in which he outlines the biology of some common lawn pests and details how they're to be treated, at the same time reminding everyone that his company offers professional services for homeowners who don't want to trust themselves. "Let us spray," Kirk's flyer concludes. An effective combination of public education and salesmanship!

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Efficient, long-term control of  
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A single application of KARMEX®  
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Deep-rooted perennial  
weeds— morning glory,  
leafy spurge, Canada  
thistle and others.

**THE ANSWER:**  
Easier control of noxious weeds  
than ever before with TRYSBEN®  
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controls some woody plants.



**THE PROBLEM:**  
Undesirable growth of  
brush on plant sites,  
roadsides, drainage  
ditches, rights-of-ways.

**THE ANSWER:**  
Economical control of brush with  
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