Use Velsicol® "2-1" Turf Fungicide To Control Brownpatch and Dollar Spot

Velsicol 2-1 is a mercuric fungicide that can be used for either preventive or curative treatment of brownpatch and dollar spot. It's a pleasure to use. It's made in a new formulation that has greater wettability, more stability in suspension and less foaming action than any other comparable product. With 2-1, you'll find application is easier, coverage is more even, and equipment wear is greatly reduced.

Use Velsicol® Memmi .8EC to control turf diseases

Velsicol Memmi .8EC is a mercuric fungicide in emulsifiable concentrate form. Mixes fast, needs no constant agitation, and leaves no sediment in tanks. Use it for better control of brownpatch, copper spot, melting out (Helminthosporium) and dollar spot in St. Augustine, Bermuda, and Zoysia grasses, for gray leafspot in St. Augustine, and for cottony blight (Pythium) in Ryegrass.

Use Banvel® D 4S To Control hard-to-kill broadleaf weeds

New Banvel D 4S gives excellent control of knotweed, common chickweed, clover, red sorrel, mouse-ear chickweed, stitchwort, dog fennel, chicory, curly dock, and many other hard-to-kill broadleaf weeds. It works two ways, on leaves and roots, for complete kill. Banvel D 4S is also effective in cool weather. Let it help you build your reputation for weed control.
They're actually spraying a lawn!

How? They’re using International Paper TURFIBER®, a new sprayable mulching discovery that mixes in water with fertilizer and grass seed. It cuts costs, resists erosion and promotes growth!

1. Turfiber being sprayed on 3:1 slope along New Jersey interstate highway project. Two days later, hurricane Donna dumped five inches of rain on the Turfiber treated area.

2. Here’s the same slope several weeks later. Adjacent slopes seeded the same day by conventional straw method had a much poorer stand of grass and considerably more erosion.

3. Turfiber comes in 50-pound, moisture-resistant multiwalls you can store on the job without cover. Material cost of Turfiber is often less than hay-straw-asphalt combination.

TURN THE PAGE FOR MORE FACTS
Before you plant any more grass
read why Turfiber has been such an amazing
success in 4 years of use in 47 states

Contractors and their customers profit from the four Turfiber
benefits: economy, efficiency, erosion control and growth.

TURFIBER is a wood cellulose mulch
made from 100 percent virgin wood
pulp. It looks and feels like raw cot-
tton. It is free from any chemical ad-
ditives and foreign matter which
inhibit growth.

The key to Turfiber's success is that
its tiny fibers separate and become
suspended in water. It is easily
sprayed in a slurry with water, fer-
tilizer, and grass seed to form a fi-
brous mat over soil.

How Turfiber works
With Turfiber, you seed, fertilize
and mulch in a single operation.
Turfiber replaces the use of hay, straw, asphalt, mulch blowers and
most of the manpower needed for
conventional seeding operations.
A hydraulic seeder with a two-
man crew can spray one-half an acre
in about seven minutes—and cover
up to twelve acres a day. Unlike hay
or straw, Turfiber can be sprayed in
high winds—and with a precision
not possible with mulch blowers.

Turfiber is colored green to
assure uniform distribution.

How Turfiber resists
erosion
Once on the ground, Turfiber
becomes a fibrous mat. Em-
bedded in this mat, grass
seed and fertilizer are held
in place.

Turfiber acts as a buffer.
Water is absorbed quickly
and allowed to percolate in-
to the soil. The usual erosion
problems from wind or rain
are reduced.

Dangers of drought are reduced
because Turfiber helps maintain a
favorable moisture-temperature re-
relationship between seed and soil.
This relationship encourages early
germination and growth.

Lands devastated by forest fires
have been sprayed with Turfiber
with dramatic results. It quickly
established a grass cover for erosion
control.

The problem of seed migration is
reduced by the use of Turfiber. The
Turfiber mat helps keep seeds from
drifting to lower areas in the soil.
You also get more even distribution
of seed and fertilizer than with any
other application method.

Where you can use Turfiber
You can use Turfiber anywhere you
want to plant grass—including 1:1
slopes and other places where estab-
lishing grass is difficult.

Primary users of Turfiber have
been contractors for highways, water
and soil conservation projects, in-
dustrial and commercial parks, golf
courses, and housing developments.

NOTE: Contractors and their cus-
tomers report that Turfiber seeding
can produce pure stands of grass
equal to or better than the more
costly methods.

Turfiber has been used in 47 states,
Puerto Rico, and 8 foreign coun-
tries. A number of states and the
U.S. Corps of Engineers Districts
have written Turfiber into their spec-
ifications. So have the Soil Conser-
vation Service, Federal Aviation
Authority, Forest Service, National
Capital Parks, among others.

Write for full details
If you would like to learn more
about Turfiber, write International
Paper, Special Products Depart-
ment, Room 4, Drawer A, Mobile,
Alabama 36601.

You will receive technical data, a
current price list and information on
recommended hydraulic seeding
equipment and lawn care.
Now single operation seeds, fertilizes & mulches 1/2 acre in 8 minutes... FASTER TURF!

Approved Bowie one-step hydraulic method plants slopes and hard to get at areas better... Ideal for Golf Courses

Now you can plant large quantities of mixed slurries of various materials in record time... with up to 200 foot spray-distances... without clogging of pumps or lines... ONLY THE BOWIE HYDRO-MULCHER DOES IT! Proven for both sprigging and seeding with many mulching materials. The Bowie HYDRO-MULCHER is designed to handle all known wood cellulose fiber mulches. In addition to the time saving of applying seed or sprigs, fertilizer and mulch at the same time is the advantage of having moisture put out also to speed germination and growth. Write today for details.

There's a Bowie HYDRO-MULCHER for every requirement • reduces erosion • right-of-way planting • parks • golf courses • earth dams • property development • estates • public works • landscaping • Approved by many universities, state agricultural departments and forest services.

WRITE FOR NEW CATALOG

BOWIE HYDRO-MULCHER*

*©1964 Bowie Machine Works, Inc. • Patent and trade-mark registration applied for

BOWIE MACHINE WORKS, INC.
Box 630 • Bowie, Texas 76230
UGLY SPOTS CAUSED BY FUNGAL DISEASE

EASY TO AVOID WITH THIS SPRAY

Fungal diseases such as you see here can ruin a beautiful lawn fast. First, ugly yellow, brown or grayish spots appear. Left unchecked, these diseases destroy vital root systems and spread, killing off large areas of lawn. To prevent such costly damage, simply apply Panogen Turf Fungicide.

This hard-working chemical makes it easy—and inexpensive—only .14 to 28c per 1000 ft. to spray away the danger of fungal disease. Can be used to keep healthy lawns disease-free, or to control an outbreak of fungal disease during early stages. Highly selective; attacks only fungal diseases without injury to turf. A liquid concentrate. Simply mix with water and apply with sprayer. Order from your chemical supplier.

Another Peace-of-mind product from...

MORTON CHEMICAL COMPANY
A DIVISION OF MORTON SALT COMPANY
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WEEDS AND TURF, September, 1964
Dear "Pass-along" Reader

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mar ked-up
nondescript
ripp ed
rolled-up
stained
stapled
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weathered
wrinkled???

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If so, you ought to have your own personal subscription, which will cost you only $3 for 1 year or $5 for 2, and which will contribute immeasurably to your peace of mind.

(If will also help you do a better job of turf management, weed and brush control, and tree maintenance.)

Mail us the coupon below right away, and include your check so we can start sending W&T posthaste!

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When You're Talking Turf...

**D O G G E T T  F I S O N  C O M P A N Y**

**TURF HERBICIDES**

**FISONS MCP, 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 DSM 100** for control of Dallis grass.

**TURF FUNGICIDES**

**FISONS DAP-CAL, TURF-TOX**

60% Mercurochloride, 30% Mercuri 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

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

Thiram with Mercury

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, Mercurochloride and Mercuri 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**

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

**D O G G E T T  F I S O N  C O M P A N Y**

Springfield, New Jersey

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**Poor Judgement**

Not all tree service companies are big enough to possess every complex piece of equipment now available to help arborists do quicker, neater, cheaper jobs.

But arborists are businessmen as well as technical experts, and the principles of good business management simply must be followed. We learned recently, for example, that a tree company in a large midwestern city was seen transporting a load of newly trimmed branches right down the center lane of a major freeway during the rush hour.

This is obviously poor judgement from a public relations standpoint.

The truck, we were told, was so overloaded that it not only held up the single lane of traffic behind the truck itself, but interfered with cars attempting to pass on either side because drivers couldn't see around the obstacles of haphazardly stacked trimmings from city trees.

Of course, many excellent chippers are presently available which make it impossible for such an occurrence ever to take place; but a few companies just aren't in a position yet to buy such machines.

These small firms (and there's a definite place for them in our complex economy; most of our big firms started small themselves) must be doubly careful to exercise good public relations at all times, just as the big outfits do.

If a truckload of clippings is to be whisked away, for example, the truck should not use a busy traffic artery in the height of the rush hour. At least, the driver could take a route specially set aside for commercial vehicles. And those who load the truck in the first place should be vitally concerned that no branches or clippings overhang the truck's sides, posing an obstruction to driver vision, and physically blocking portions of the roadway.

No doubt companies which make such mistakes are few, but the action of the few, nevertheless, reflects on the many. The public judges all too rashly, and seldom stops to consider that because one tree company shows poor judgement, it is no reason to criticize the thousands who are outstanding examples of good management and public spirited service.

Take a close look at your own practices. See anything which might be even slightly offensive? Every advance you help make for the industry will eventually become a personal advance for you!
Spray this fall to control next year’s weeds

Fall is the ideal time to spray with Simazine 80W herbicide for control of weeds through next summer.

You and your crews will be busy with 101 other jobs in the spring. So it’s good management to get weed control taken care of ahead of time.

Effective weed control
It’s good weed control, too. Wherever they’re a problem—industrial, commercial, institutional or roadside sites—Simazine gives you the dependable, one-spray solution.

During the winter, Simazine stays in the weed root zone, ready to kill most annual and many perennial broadleaf and grassy weeds as they emerge.

Safe to use, too
And, because Simazine kills weeds through the roots before they have made any appreciable growth, you don’t have any unsightly dead weeds to dispose of. No fire hazard, either.

Less soluble than other triazine herbicides, Simazine is safer to use where lateral leaching in the soil might cause injury to adjacent ornamental plantings or crops. And it’s relatively nontoxic to humans and animals.

Note: in Southern areas, where winter rainfall is heavy, application should be delayed until late winter or early spring.

For full details on highly effective weed control with one spray of Simazine this fall, write to:

Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation, Saw Mill River Road, Ardsley, N. Y.

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Weeds and Turf's widely hailed series of articles on aquatic weed control covers species identification, chemicals for control, methods and equipment for application. Now available in a single 16-page, illustrated reprint for handy reference!

PRICES: 1-10, $1.00 each; 11-25, 90¢ each; 26-50, 80¢ each; 51-250, 75¢ each; 251-500, 60¢ each; over 501, 50¢ each; postage prepaid in the United States only. Supply is limited.

ORDER NOW!

W & T Mailbox

Interested in Suppliers Guide

We enjoy your Weeds and Turf publication as it is an extremely informative publication. You do an excellent job in presenting scientific information.

In a recent issue you included a Chemical Suppliers Guide. Since we supply many of the products that were listed in the guide, could you advise us on the procedure you use for selecting and including the names of suppliers?

J. A. Simmons

Research Division
O. M. Scott & Sons Co.
160 Main Street
Marysville, Ohio

Questionnaires are mailed each year to companies which supply chemicals for weed control, turf maintenance, and tree care. This year's directory, which will appear in the December issue, will also include equipment. Ed.

Parkman Likes WT

Weeds and Turf is a very excellent publication and receives cover-to-cover attention in my office every month. You and your organization are to be congratulated on the preparation and publication of such a worthwhile magazine.

James W. Smith

Field Landscape Architect
Kensington Metropolitan Park
2240 West Buno Rd.
Milford, Mich.

WSA Appreciates Coverage

I want to take this opportunity to express our deep appreciation for the fine journalistic coverage you gave the February meeting of the Weed Society of America (WSA) in your March 1964 issue of Weeds and Turf. The excellent coverage you gave to our meeting will enhance the image of weed science in this country and abroad.

The generous amount of space you allotted to the coverage of our meeting in your March issue is commendable. We certainly hope you will plan to cover other major events in weed science and especially future meetings of WSA.

We also congratulate the editorial staff of Weeds and Turf on their decision to publish this timely periodical as a separate journal.

Dr. W. C. Shaw

Past President, WSA
Crops Research Division
Agricultural Research Service
U.S. Dept. of Agriculture
Beltsville, Md.

Needs Illustrated Weed Book

I enjoyed the April issue of Weeds and Turf very much. The magazine is very interesting and I find a lot of valuable information in it. I have been in the spraying business for eight years.

Would you know of a dictionary of weeds with pictures of each weed in color? This would help my men to recognize various weeds for study.

Gene Keyawa

Gene's Commercial Spraying
Chico, Calif. 95926

If any readers know of a book that would meet the requirements in the above letter, we're certain that this information would be well received by Mr. Keyawa as well as other interested applicators.—Ed.

Problem With Pond

We have a 1½-acre pond with an average depth of 30 inches. Water source is from a creek, and water from the pond is used to irrigate tees, greens, and fairways. Our problem is keeping the water clean. We would appreciate any information on control of algae and underwater weeds.

William Goulet
Rochester, N. Y.

We recommend our "Applicator's Manual of Aquatic Weed Control," which will give you the information you seek to cure your pond problems.—Ed.
This year there are fewer weeds because of "Ansar"

PROGRESS REPORT: • In the brief span of two years "Ansar" herbicides have compiled a remarkable record in the eradication of weeds—especially Johnson Grass—in cotton and non-crop areas. • Cotton growers have kept our plants working at top capacity night and day to meet the demand . . . and as a result we'll shortly start construction of a new multi-million pound capacity "Ansar" plant!

• A new product, "Ansar 529" (170 with a surfactant added) will simplify mixing—make the product far easier to use. • Other "Ansar" products for control of weeds in irrigation ditches, orchards and a variety of non-crop areas will be available very soon. Today "Ansar" is the first name in herbicides . . . a product of THE ANSUL COMPANY, MARINETTE, WIS.
THE GOAL of every rights-of-way maintenance supervisor is to create and maintain thoroughfares of maximum utility. In many instances he must concern himself with the control of unwanted brush. Mechanical clearance methods, because of their short-term effect and high cost, have given way in most areas to chemical methods of brush control. Chemical usage is under constant study in an attempt to discover new materials and new ways to use the old standards.

The phenoxy acid herbicides, such as 2,4-D and 2,4,5-T, have been the cornerstone for most brush control programs for nearly 15 years. Their overall effectiveness, economy, and human and animal safety characteristics are such that they will probably be the standards for comparison for a long time to come. Their use, until recent years, was primarily as stem-foliage treatments with smaller varying amounts being applied as basal, stump, notch, and injection applications. It can be readily recognized that only the first-mentioned method lends itself to extensive large-scale broadcast applications.

However, the stem-foliage growing season applications contain certain inherent problems which limit their complete acceptance. In crop-growing areas, damage to sensitive crop plants by physical drift and/or volatility can sometimes create many complaints and much ill will. In urban and suburban areas, "brown-out" (the leaf browning which occurs 2-3 weeks following growing season applications of the phenoxy acid herbicides) again creates public dissatisfac-