New
Aspon™
gives you
chinch bug control
that’s better
than the best!

Better than the best lawn chinch bug control you’ve been able to offer until now. That’s what you give your customers when you use Stauffer’s new ASPON insecticide.

Chinch bug destruction is a growing lawn and turf problem around the country. This insect is causing widespread damage not only in Florida, but along the Gulf Coast, through the Middle Atlantic states and into southern New England.

This steady spread has stimulated intensive research at Stauffer. Most effective of many materials developed in this work has been one which was code-named “ASP-51.” This powerful new pesticide has been shown, in numerous tests and comparisons, to give control superior to that provided by any other material. ASP-51 is now known as “ASPON”, and is now available to commercial spraymen.

Here are the advantages you get with ASPON:

- Highest percentage control—close to 100% within 48 hours after application
- Longest residual control—greater than that of any other material tested
- No pesticide resistance—control of all chinch bugs, including those resistant to other insecticides
- Low hazard—more safety in use and after use than possible with other leading chinch bug control materials

Remember, ASPON is now available to commercial spraymen. Offer the experienced application of the most effective chinch bug control available: ASPON. Get all the details—Fact Sheet, specimen label, summary of test data, chemical, physical and toxicological properties. Write or call the nearest Stauffer Chemical Company office:

380 MADISON AVENUE, NEW YORK 17, N. Y. • P. O. BOX 5388, TAMPA 5, FLA. • P. O. BOX 7222, HEIGHTS STATION, HOUSTON 8, TEX. • 1300 E. DAVENPORT ST., WESLACO, TEX. • P. O. BOX 509, NORTH LITTLE ROCK, ARK.

Stauffer’s trademark for an insecticide
John Bean leads the way when you “spray for pay”. You select from four basic sprayer series . . . plenty of choice to let you get size, type, capacity and price just right for your needs. Bean Bond lined tanks and lifetime Sapphite cylinders assure long, trouble free service. Trailer-type, skid-mounted or PTO models. Wide choice of accessories. Versatility unlimited: weed and brush control, turf spraying, applying liquid fertilizer, shrub and tree spraying, root feeding, dust abatement, row crop spraying. To be sure sprayday is payday, get the facts on John Bean high-pressure sprayers.

CHOOSE FROM FOUR BASIC SERIES

“ROYAL” SPRAYERS—25 to 60 GPM, pressures to 800 p.s.i., 200 to 1000-gallon tanks.

“ROYALIER” SPRAYERS—15 to 20 GPM, pressures to 400 p.s.i., 200 to 500-gallon tanks.

“ROYALETTE” SPRAYERS—5 to 10 GPM, pressures to 400 p.s.i., 50 to 300-gallon tanks.

“TROJAN & SPARTAN” SPRAYERS—Mobile, push-type. 3 GPM, 60 p.s.i. (Trojan) or to 300 p.s.i. (Spartan)

GET THE FACTS! Clip coupon to your letterhead.

- Royal
- Royalier
- Royalette
- Rotomist Mist-Type Sprayers
- Trojan-Spartan
- Mosquito Control Facts
- Dutch Elm Disease Facts

JOHN BEAN DIVISION

© Lansing, Mich. – Orlando, Fla. – San Jose, Calif.
USE NEW

AZAR

Selective Pre-Emergence Herbicide

KEEP TURF FREE
OF CRABGRASS

WHAT IS AZAR?—Azar* is Hercules' new carbamate herbicide for pre-emergence application to control crabgrass. It is recommended for use only on established turf.

HOW DOES AZAR WORK?—Azar must be applied before crabgrass seeds germinate. It acts to prevent germination and initial growth of the crabgrass.

HOW IS AZAR APPLIED?—Azar, available as an 80% wettable powder, readily disperses in water for application in conventional spray equipment.

WHAT ARE AZAR'S BIG ADVANTAGES?—One application of Azar prevents crabgrass infestation all season, when applied as recommended.
   It is effective at an economical rate of application. Most commonly used turfgrasses, once established, are tolerant to Azar. It is substantially odorless.
   Based on available data, Azar has low toxicity to humans and pets. In fact, it can be classified as "practically nontoxic" to humans and warm-blooded animals as defined in "Clinical Toxicology of Commercial Products," Gleason, Gosselin, and Hodge.

WHERE IS AZAR AVAILABLE?—Contact your Hercules Nitroform® Turf Specialist, or the nearest Hercules office listed below, if your regular turf specialty supplier cannot help you.

HERCULES POWDER COMPANY
INCORPORATED
910 MARKET STREET, WILMINGTON, DELAWARE 19899.
Aquathol aquatic weed killers offer these distinct advantages when used as directed:

- **NOT HARMFUL TO FISH, FOWL OR AQUATIC ANIMAL LIFE.**
- **LEAVE WATER USEABLE FOR SWIMMING, FISHING AND BOATING.**
- **EFFECTIVE AND FAST ACTING FOR COMPLETE LAKE OR SPOT TREATMENT.**

**AQUATHOL PLUS CONTROLS 25 WEED SPECIES**

Easy and non-hazardous to apply, for control of nuisance weeds, specify **AQUATHOL.**
California health department officials are considering the possibility of requiring licenses from home gardeners before these do-it-yourselfers can apply pesticides, it was reported recently in the public and trade press.

This radical concept represents a culmination of the now-famous pesticide controversy which began nearly two years ago, a controversy marked by frenzy from the start.

Licensing of private citizens as a protective measure is not new. Obviously, automobile drivers licenses are based on the same protective premise. Poison registers in pharmacies keep track of certain drugs and chemicals; licenses are required for hunters, and permits for the right to carry weapons. But if California legislators are in fact serious about licensing home gardeners, we must advocate an extremely cautious study of the possibility.

Reason for the licensing, it is alleged, is that the average homeowner is completely unqualified to deal with toxic compounds; he doesn't understand the chemical structure, means of application, or residual nature; and he probably doesn't read the label.

But we must disagree that such licensing would solve very many problems. Drivers licenses don't stop highway slaughter, and pesticide licenses for private citizens won't stop home accidents. This whole notion is a kind of wishful thinking, that the simple issuance of a home gardeners permit will keep poisons away from children, avoid misapplication, or solve any other tendencies towards misuse.

It would perhaps be better to study the possibility of closer attention to the sale of certain more toxic compounds directly to homeowners. It might even help to investigate distribution patterns of consumer packages, with the possibility of keeping sales of such products in outlets which are managed by people who understand pesticides, their benefits, and their hazards when misapplied.

Another approach is to step up information service to consumers so they understand the real nature of lawn and garden pesticides. Thus they can perform certain simple jobs themselves, and call in the skilled professional applicator for regular service involving weedkillers and insecticides.

Professional applicators already know what they're doing, and, in most cases, they're also already licensed.

WEEDS AND TURF is the national monthly magazine of urban/industrial vegetation maintenance, including turf management, weed and brush control, and tree care. Readers include "contract applicators," arborists, nurserymen, and supervisory personnel with highway departments, railways, utilities, golf courses, and similar areas where vegetation must be enhanced or controlled. While the editors welcome contributions by qualified freelance writers, unsolicited manuscripts, unaccompanied by stamped, self-addressed envelopes, cannot be returned.
Here today...

...goner tomorrow

Ethion kills chinch bugs... ends destruction to lawns, parks and fairways. Ounce-for-ounce no pesticide outperforms it. Tests show just one application gives outstanding results and provides total control. And Ethion is easy-to-use, safe, economical, long lasting. U.S.D.A.-approved to curb sod webworms, halt mites in Bermuda grass, too. Write or call your supplier today for details.
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.
AMCHEM Weed Control Programs

save material, lower labor costs,
save time for other jobs

Many companies have lowered the
cost per day of effective weed con-
trol—on a full season basis—with an
AMCHEM planned vegetation control
program. You can save money on
profit-robbed maintenance costs, cut
fire hazards and keep fencelines and
grounds around buildings more
attractive. AMCHEM'S amazing
AMIZINE and FENATROL herbicides
fight weeds two ways to give you
outstanding full season control:
1. Provide the important top kill and
move throughout the weeds' system
to kill roots; 2. Prevent regrowth
from germinating weed seeds for a
full season or longer. And both are
easy to apply in any standard sprayer
—won't corrode equipment. AMIZINE
and FENATROL are non-flammable,
odorless and won't stain steel, con-
crete, etc. It's just adding a weed
or brush control technician to your
staff when you do business with
AMCHEM. Your AMCHEM/MAN can
answer your most difficult control
problems. Remember, AMCHEM is
a pioneer in scientific weed and
brush control—originators of 2,4-D
and 2,4,5-T herbicides. Find out all
the facts about the money and work
saving AMCHEM Weed and Brush
Control Programs. Write now
for FREE brochures and techni-
cal bulletins. Dept.WT-14

Companies are known by the clean fences they keep

AMCHEM PRODUCTS, INC.
Ambler, Pennsylvania
* 50th Anniversary Year *

Weed Control is a sound business practice

When Writing to Advertisers Please Mention WEEDS AND TURF
Aerate or Power Rake
turf before you spray
or spread weed killers, pesticides, insecticides

Both aerating and power raking open turf so chemicals get into the soil or surface mat faster. You'll also get better chemical coverage... lose less in the air... lose less to run-off from watering or sprinkling. You benefit—and your customers get the double benefit of aerating or power raking plus chemical control!

---

**W & T Mailbox**

**Spider Mites in N. Y.**

One of my first reactions to Vol. 3, No. 1 of *Weeds and Turf* was to write and convey my interest in it as a separate publication. By chance there is in this number an article (p. 17) regarding mites. I thought you would be interested in the situation here in New York.

I refer to the remarks by Hantsberger regarding spider mites. In New York, there are quite a number of spider mite species and eriophyid mites affecting ornamentals. The most troublesome generally is the spruce mite, but many others are serious.

Generally, we have found that malathion is a good mite deterrent, but that it cannot compare with most acaricides in effectiveness of control. In New York, results have been best with Kelthane, Tedian, chlorbenzilate, and very good with Aramite, ovex, Mitox, and Genite. This has been true generally on all woody ornamentals except roses. We do not have a resistance problem to date, which is fortunate.

John A. Weidhaas
Assistant Professor of Entomology
Cornell University
Ithaca, New York

---

Glad to Have W&T

A magazine like *Weeds and Turf* has long been needed for this specialized field, and I am glad to see Trade Magazines, Inc., take the initiative, and especially elated to see such a splendid job done. Rarely does a magazine arouse me to the extent that I want a subscription, but in the case of *Weeds and Turf* it did just that. Keep up the good work.

Donald J. Arenberg
Agronomist and Lawn Disease Specialist
Green Lawn Laboratories, Inc.
Skokie, Ill.

---

Weeds and Turf welcomes expressions of opinions from its readers. Send ideas and comments briefly as possible to Charles D. Webb, Editor, *Weeds and Turf*, 1900 Euclid Ave., Cleveland, Ohio, 44115.