

# Your second step to healthier turf

# 2

## Summer is the time to take it

During the summer, Dollar Spot and Large Brown Patch can spoil the playing surface and appearance of your turf.

But, if you start spraying your tees, fairways and greens with TERSAN 1991 now, you can prevent these summer diseases before they get a chance to cause trouble.

TERSAN 1991 is particularly effective against summer turf diseases because its properties provide a unique combination of systemic, curative (eradicator) and protective action for turf.

The application of TERSAN 1991 in the summer is the second step in the Du Pont TERSAN 1-2-3 Disease Control Program. A program that's highly effective, economical and completely *non-mercurial*. Proven at research stations and golf courses throughout the country, the TERSAN Program prevents or controls all major turf disease problems.

NOTE: Be sure to have TERSAN SP on hand to be ready for Pythium when it strikes.

For more details on the program and a supply of TERSAN turf fungicides, see or call your golf course supplier today.

*With any chemical, follow labeling instructions and warnings carefully.*



**TERSAN<sup>®</sup> 1991**  
TURF FUNGICIDE





## THE MAUGET TREE INJECTOR

BEST METHOD YET DEvised  
FOR INTRODUCING  
**CHEMICALS**  
INTO TREES

### NEW DUTCH ELM DISEASE BREAKTHRU:

EPA has registered benomyl for tree injection. You can be among the first to benefit your preferred customers with this new method.

### PLUS —

You can also use the Mauget Tree Injector for insect control and nutritional problems in your tree service operations.

- (1) **INJECT-A-MIN<sup>®</sup>** Plant Food Products are designed specifically to correct elemental deficiencies in problem trees. Formulated for acceptance in the tree sap stream.
- (2) **INJECT-A-CIDE<sup>®</sup>** provides a break-through in the control of many insect pests that infest trees. Utilizes a closed system and implants the chemical directly into the sap stream.

Local Distributors and Applicators Needed

## CLM NATIONAL INC.

P.O. Box 389

Sedalia, Missouri 65301

Exclusive Nationwide Distributor for J. J. Mauget Co.,  
Burbank, Calif. 91504



SEE US AT THE I.S.T.C.

# WEEDS TREES and TURF

Volume 11, No. 8

August, 1972

James A. Sample  
Editor

Hugh Chronister  
President

Arthur V. Edwards  
Publisher

D. D. Langley  
Director of Circulation

## ADVERTISING SERVICES

Eric Lindsay  
Advertising Production Manager  
9800 Detroit Ave.,  
Cleveland, Ohio 44102  
Tel. 216+651-5500

## ADVERTISING SALES OFFICES

Headquarters  
Cleveland, Ohio 44102  
9800 Detroit Ave./216+651-5500  
Ext. 27

Chicago, Illinois 60601  
333 N. Michigan Ave./312+236-9425  
John Kielp

New York, New York 10017  
757 Third Ave./212+421-1350  
Russell Bandy

Los Angeles, California 90005  
The Eschen Company  
3142 Wilshire Blvd./213+382-8391  
Henry Eschen

San Francisco, California 94104  
The Eschen Company  
57 Post St./415+781-7440  
Rod MacDonald

## How to Select A Pro-Grade Chain Saw ..... 14

One of the most versatile tools in the Green Industry today is the chain saw. Yet, few know exactly what to look for when faced with the decision to buy. Here's an informative look into the what to and what not to buy.

## Prognosis for the Wounded Tree ..... 16

Healing tree wounds has a history almost as old as trees themselves. However, arborists in an effort to discover answers continually ask many questions about wound dressings and the extent of wound damage. Dan Neely, plant pathologist at the Illinois Natural History Survey discusses the findings of his research in this area.

## Chain Saws In Trees ..... 18

The chain saw for the trimmer has increased the efficiency of this job tremendously. It also has increased the chances for an accident. Blair E. Caplinger of Nelson Tree Service discusses why chain saws in trees should be secured with an extra line.

## 18 Steps to Safe Tree Climbing ..... 20

Tree climbing for the professional trimmer is as much a part of his trade as the saw or tree paint. Larry Holkenborg, landscape arborist demonstrates the safe way to climb trees that will result in fewer accidents and greater accomplishment of work.

## Selling A Tree Program to the City ..... 23

A city tree program can be a meaningful experience to every resident. William T. Bell describes the steps to success in selling and maintaining a tree program.

## On the Job In A Bucket ..... 28

Towers today have become an integral part of the arborist profession. Here's an in-depth look at Hi-Ranger towers as viewed by Fort Wayne city arborist, Ralph E. Mudrack.

Editorial	6	New Products	48-49
Government News/Business	8	Meeting dates	53
Insect Report	34	Classifieds	55
Book Review	41	Advertiser's Index	55
Industry People on the move	44	Trimmings	56
Sod Industry Section	46		

## The Cover

Working comfortably high above the surrounding park on a Hi-Ranger tower is Allan Nyberg of Ft. Wayne, Indiana. As a member of the city parks department, he regularly uses towers in his tree trimming work. Towers have gained in popularity in recent years. Why? See the article starting on page 28 for the answer.

WEEDS TREES and TURF is published monthly by The Harvest Publishing Company, subsidiary of Harcourt Brace Jovanovich, Inc. Executive, editorial headquarters: 9800 Detroit Ave., Cleveland, Ohio 44102.

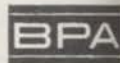
Single Copy Price: \$1.00 for current and all back issues. Foreign \$1.50.

Subscription Rates: WEEDS TREES AND TURF is mailed free, within the U.S. and possessions and Canada, to qualified persons engaged in the vegetation care industry and related fields in controlled circulation categories. Non-qualified subscriptions in the U.S. and Canada are \$10.00 per year; other countries, \$12.00 per year. Controlled circulation postage paid at Fostoria, Ohio 44830.

Copyright © 1972 by The Harvest Publishing Company



Member  
American Business Press  
Business Publications Audit





# It Blows...It Dusts...and It Sprays...Better! Because It's a STIHL!



## This is the STIHL SG-17 Mist-Blower that Everyone is Talking About!

It blows, dusts and sprays dry and liquid chemicals, etc. to kill weeds and insects; to fight plant and tree diseases and to perform many related jobs in the garden, on the farm and in nurseries.

It has also proven very versatile for spraying at construction jobs, blowing leaves and debris in sport stadiums, parks and recreation

areas, in spraying cattle and dairy buildings and many new uses are being discovered every day.

You'll be amazed at its perfect balance and ease of handling and also at its very, very easy price. See for yourself. It's a STIHL!

**»Newest from the Makers of the World's Finest Chain Saws«**



## STIHL American, Inc.

194 Greenwood Avenue,  
Midland Park, N.J. 07432,  
Code 201-445-0890 ·

7364 Lee Industrial Boulevard,  
Mableton (Atlanta), Georgia 30059,  
Code 404-941-1730 ·

23962 Clawiter Road,  
Hayward California 94541,  
Code 415-785-9100

For More Details Circle (131) on Reply Card



# Fylking Ecology

0217® Brand Fylking Kentucky bluegrass lawn seed and sod contribute greatly to the improvement of the surrounding environment. Its superior density crowds out weeds requiring much less chemical weed control.

Fylking's high disease resistance means less disease and little, if any, chemical treatment for turfgrass diseases.

Green chlorophyll in grass blades absorbs carbon dioxide. Oxygen is released into the air from the plants, and with Fylking's greater density and leaf blade multiplicity it is calculated a 50 foot square lawn will supply daily oxygen for four people.

Get the superior oxygen producer, 0217® Brand Fylking Kentucky bluegrass lawn seed or sod at your local wholesale seed or sod distributor.



**FYLKING  
KENTUCKY  
BLUEGRASS**

U. S. Plant Patent 2887

Another fine product of Jacklin Seed Co., Inc.

## Editorial

## Bucket Safety

Within the very near future, owners of vehicle-mounted elevating and rotating work platforms (better known as buckets) will be under attack. The long arm of the Federal government clutching the Occupational Safety and Health Act (OSHA) is likely to swoop down and nab professional tree men for non-compliance with American National Standards Institute, Inc.

It seems that OSHA has adopted the standards of this august body which is represented by 28 nationwide firms including Asplundh Chipper Company and Mobile Aerial Towers, Inc. We feel indeed fortunate that two companies from The Green Industry comprise 7.14 percent of the total standards setting group. We can rest assured that new equipment manufactured by these firms will comply with these standards.

But what about buckets already on the job. There is a bulletin available (A92.2-1969) from American National Standards Institute, Inc., 1430 Broadway, New York, N.Y. 10018, which can serve as a guide. We would suggest you get one. This brochure details at least 53 mandatory performance, design and manufacture, testing and inspection and other ratings which a new bucket must pass to get an A on an OSHA report card. All new equipment will be manufactured with these standards incorporated. However, when the OSHA inspector descends on your business your bucket may take a beating.

He may or may not ask you to define the type of equipment you own or the use you have made with it. But don't take that as nothing. The standards detail equipment covered and not covered. For example, fire fighting equipment, for some reason not known to us, is excluded from the standards. In addition, an insepctor may declare that the boom truck on which you can attach an optional bucket as a violation. Unless it is equipped with over-riding controls, instruction plates and a host of other items, the OSHA watchdog may issue a citation.

We could quote passages of the Congressional Record, OSHA regulations and other official documents as further evidence, but the specific guidelines are contained in the American National Standards Institute bulletin A92.2-1969. This bulletin expressly forbids us, you, your Congressman and the OSHA representative from quoting or reproducing in any form any portion of the publication without written permission. It is copyrighted. We are not sure why, but we believe the laws of copyright protection have worked to keep you from getting the facts.

If you are contemplating a new bucket in the future, do yourself a favor and acquire this bulletin. It could be an uplifting experience.







# Government News / Business

The Environmental Protection Agency has granted expanded registrations to the Niagara Chemical Division, FMC Corporation for the herbicide Tandex. Clearances now permit treatment of the herbicide to 28 additional vegetation species in either granular or wettable powder formulations. Weeds added to the list include: dogbane, honeysuckle, Johnsongrass, rose, horsetail trumpet vine, spurge, goldenrod, aspen, oak, elm, and others.

The Committee on Toxic Materials and Harmful Physical Agents, a new committee of the American Society for Testing and Materials, has scheduled an organizational meeting in Philadelphia in October. This committee will be responsible for the development of safety and health standards (including test methods, classifications, recommended practices, and definitions) which will be responsive to the requirements of Sections 6 (b) (5), 6 (b) (7) and 8 (c) (3) of Public Law 91-596, the Occupational Safety and Health Act of 1970, for individual or families of toxic materials or harmful physical agents. Watch for this committee to gain wider attention in the news in the future!

At presstime, only seven states were left to sign the memorandum committing them to a cooperative program started by USDA to promote the safe use of pesticides. Primary concern here are the more toxic pesticides, and state agreement to the memorandum provides for planning for precautions to take with each pesticide. After this material is prepared, USDA and the states will adopt these precautions in their pest control programs and undertake informational programs on safe handling procedures. Still to sign the measure are Alabama, Alaska, Connecticut, Iowa, New Jersey, New York, and Vermont.

Mergers and outright purchases for this year are taking place at record pace. Vaughan Jacklin Corporation was formed from Jacklin Seed Co., Inc. and Vaughan's Seed Company; Tenneco, Inc. has been granted approval by the Bank of England to proceed with the acquisition of David Brown Tractors Ltd.; Wayne Manufacturing Co. will become an operating division of FMC Corporation.

The administrative ruling on DDT was not cold yet when EPA Administrator Ruckelshaus fired another cannon at the pesticide industry. The target was aldrin and dieldrin. This time, in a "Determination and Order to Cancel," EPA used scatter shot. While most of the cancellations of aldrin-dieldrin products that relate to the Green Industry were announced March 18 (turf, aerial and ground spraying or dusting of foliage, and others), use of these products as soil toxicants to protect structures were appealed. The Advisory Committee on the matter granted the appeal. In the recent EPA action, nursery dipping of roots and tops of non-food plants were retained. Ruckelshaus is expected to rule soon on the question of suspending other aldrin-dieldrin uses.

The Green Industry regrets the passing of Einar A. Jacobsen, retired Chairman of the Board of Jacobsen Manufacturing Company. Mr. Jacobsen died July 18 at the age of 66. The son of the founder, he joined the company in 1928 following graduation from the University of Wisconsin. He led the company through its greatest sales growth years.

# The Pioneer 3071 is 12 ways better

## Count them.

**Now Only \$249.95**  
Suggested List Price

### Check competition and see for yourself!

1. Transistorized, breakerless ignition
2. Automatically retarded spark for fast starts
3. Cleanable, quietest spark-arresting muffler
4. Best fuel economy of all professional chain saws
5. Two-way forced air cooling of the engine and nylon fuel tank
6. New trouble-free automatic chain oiling
7. Visual oil-flow indicator
8. Vibration isolators on rubber cushioned front and rear handles
9. Lightweight (13½ lbs.)
10. High torque full range lugging power
11. Stronger, shorter crankshaft with one-piece connecting rod and caged bearings
12. Unitized crankcase construction for reduced vibration and easier service



No matter how good your present chain saw is, the new Pioneer 3071 is better. The 3071 runs cooler with less vibration and fewer parts. It lasts longer, it's easier and less expensive to repair, smoother and more comfortable to use. Try one and see if you don't agree that the 3071 cuts you more trees per dollar than any saw going. See your Pioneer dealer now.

Free! Filing and Maintenance Tool Kit.

Peterborough, Ontario, Canada; Galesburg, Illinois, U.S.A., a division of Outboard Marine Corporation, the manufacturer of Evinrude and Johnson outboard motors and Snowmobiles and Lawn-Boy power mowers.





# New help is here!

Arborists have new help to give customers greater freedom from insects on trees and shrubs. It's Imidan® insecticide from Stauffer, highly effective against gypsy moth, elm spanworm, spring cankerworm and birch leaf miner. Imidan also has low toxicity to many beneficial insects and allows their survival to improve their control of other pests.

A number of arborists have used Imidan this spring and summer. These users report excellent and lasting results in control of all insect species on the label.

Imidan can be used alone for insect control and does not harm finish on autos or outdoor furniture.

For full information on the use of Imidan for shade trees, write to Stauffer Chemical Company, Agricultural Chemical Division, Dept. HD, Westport, CT 06880.

Imidan® from 

