



# Helping the superintendent through turf research...

- Controlled Release Fertilizers
- Fertilizer/Pesticide Combinations

- Fungicides—Herbicides—Insecticides
- Soil Testing—Weed & Disease Identification

## SCOTTS • LELY • GANDY SPREADERS

Finest quality turfgrass seed—Fairways • Greens • Tees • Roughs  
Scotts Windsor and Victa blends

## Jerry O'Donnell

Technical Representative  
5013 Academy Drive  
Madison, Wisc. 53716  
Telephone: 608/222-0973

### MEETING ON CANKER WORMS

Place - Milwaukee Country Club - April 10, 1975

In Attendance - Dr. Chuck Koval, Lee Hansen, Rod Johnson, Ted Engelhoff, Jack Allis and Dan Quast.

#### I. Canker Worms - 2 types

(A) Spring and Fall. (B) Difference between the two is different egg masses, Spring, round white eggs, Fall, Dark colored barrel shaped eggs. Eggs are laid in there respective season. They hatch at the same time. (C) They hatched in Waukesha, May 5th last year. (D) They fed approximately 30 days. (E) There can be as many as 50 to 75 thousand in a large tree. (F) When they become noticeable to the average person, it is too late to spray. Best to do nothing at this point. Late spraying perpetuates the problem. (G) Female Canker Worms cannot fly. (H) If defoliation is complete, a normal tree will refoilage in 4 to 6 weeks. (I) Trees effected the worst, are apple trees, Lindens (Basswood), Elms, Ash, Oaks in that order. (J) Must watch egg masses for exact day of hatch.

#### II. Control Programs

##### (A) Methachlor

1. Use only Wettable Powder or Emulifiable concentrate. NO DORMAT OILS.
2. .4 lbs. of active ingredients per Elm Tree, will also effect Bark Beetles, effective up to 4 months for beetle, 10 days for Canker Worms.
3. Other trees use .2 lbs. of active ingredient, same 10 day effectiveness.
4. Have 9 days grace period to spray after first hatch is observed.

AS GOLF COURSE SUPERINTENDENTS YOU CANNOT  
AFFORD LESS IN SERVICE AND QUALITY THAN  
THATS OFFERED BY THE ADVERTIZERS IN  
THE "GRASS ROOT"

(B) Biological Control

1. Effective but material good for 5 days. A cold period can render material ineffective. This would necessitate another spray.

(C) Sevin also can be used for control, use recommended rates. Sevin Mole preferred over Wettable Powder.

(D) Tanglefoot works nicely except that it takes constant maintenance and is quite messy to handle.

(E) Spray should be started at sign of first hatch.

Canker Worms are sometimes called inch worms. Locality and severity of the problem varies, but be aware. The localities that were the worst effected were River Hills, Elm Grove and Waukesha. It is nearly impossible to predict how bad this problem will be ahead of time.

Danny H. Quast,  
Editor

**GOLF COURSE-INDUSTRIAL**

**RESIDENTIAL**

**LAWN SPRINKLER EQUIPMENT**

**PARTS, INC.**

**5278 N. PORT WASHINGTON RD.**

**MILWAUKEE, WISCONSIN**

**PHONE: (414) 464-1322**



**MILAEGER**  
**Well and Pump Co.**

**INDUSTRIES**  
**MUNICIPALITIES**  
**SUBDIVISIONS**

- Deep Well Drilling—
- Well Development by Acidizing & Shooting—
- Deep Well Pump Installation—
- All Makes of Pumps Repaired—
- 24 Hour Service—

**BYRON JACKSON PUMPS**

Division of Borg Warner Corporation

Line Shaft Turbine Pumps and Submersible Pumps  
to 500 HP and 1,000 ft. Settings

**SERVICING WISCONSIN AND ILLINOIS**  
For Over 57 Years

1245 N. 62nd Street  
Milwaukee, Wis. 53213  
(414) 453-1230

640 Pearson Street  
Des Plaines, Ill. 60016  
(312) 296-8707