

The Oldest and Largest Tree Service in the World

— COMPLETE TREE CARE

Pruning
Spraying
Feeding

Tree Planting
Tree Removals
Inspections

DAVEY TREE EXPERT CO,

L. F. IRVINE H. J. OTTO
District Mgrs.

Arlington Heights

P. O. Box 325

437-4080

Nels J. Johnson, Tree Experts, Inc.

SINCE 1930

Complete, economical tree service for Private Estates, Parks, Municipalities, Golf Courses Cemeteries, Schools, Industrial Areas.

All phases of Arboriculture, Diagnosing, Pruning, Treating, Transplanting, Fertilization, Hydraulic and Mist Spraying, Removals, Stump Routing, Municipal Forestry.

— FULLY INSURED —

GRADUATE FORESTERS • LICENSED ARBORISTS

MAIN OFFICE: 912 Pitner Avenue, Evanston, Illinois

Phones: GR eenleaf 5-1877 — GR 5-5255

Hinsdale, Illinois — FA 5-0970

PROBLEMS WITH EVERGREEN BROWNING

by Stanley Rachesky

Entomologist, University of Illinois

Fall is such a beautiful time of the year. If you're like me you're hoping the grass will stop growing. Many golf course superintendents are doing their fall cleanup. This gives you a great opportunity to really take a good look at your trees and shrubs and to kind of plan what you're going to do next year.

We've been receiving inquiries as to the browning of evergreen needles on many of the shrubs in the area lately. There are probably a thousand reasons why an evergreen would lose its needles. For example:

1. Planting — maybe you didn't follow the directions.
2. Soil — is it right for your plant?
3. Nutrient deficiencies — are they available?
4. Fertilizer — use it how and when it says!
5. Salt injury — what did you use last year to melt the snow? Did it run off near your evergreen?
6. Pruning — were you careful?
7. Shade — does your evergreen get enough sun?
8. Wounds — loss of fluid!
9. Soil drainage — did it get too much?
10. Water — did it get enough?
11. Temperature, leaf scorch, winter injury, chemical injury (pollution), gas injury, mechanical injuries, electrical injury, spider mites, disease, etc., and of course, last but not least, **insects**. Gall aphids, bud scale, pine needle scale, borers, bagworms, needle miners, sawflies, pine shoot moths, Zimmerman pine moths, etc., all cause evergreens to brown.

I'm sure that golf course superintendents can now see some of the problems causing evergreens to turn brown. In order to recommend a method of control, no matter what it is, positive identification of the problem must be made.

Send me in a specimen if you are having a problem.

ROSEMAN

2620 CRAWFORD AVE. UN 4-1842
EVANSTON, ILLINOIS

TURF EQUIPMENT HEADQUARTERS

ROSEMAN GANG MOWERS	FORD TRACTORS
TILLER RAKES	LELY SPREADERS
SNOW PLOWS	ARPS TRENCHER
SEEDERS	LOADERS
ROTO TILLERS	ROTARY MOWERS

SALES • SERVICE • PARTS • RENTALS



FOR THE PROFESSIONAL TURF MANAGER
TURF PRODUCTS, LTD.

Wally Fuchs

1106 N. Scott St., Wheaton, Ill. 60187

Phone (312) 668-5537

MILORGANITE

USED AND PREFERRED BY
GOLF COURSES EVERYWHERE

GOLFERS PLAY

... while we install your
irrigation system

one fairway at a time!

Free literature and list of installations on request.



P. O. Box 4124 • Louisville, Ky. 40204
Phone 585-4305 • Area Code 502