

results of the current WTT production and sod industry surveys are compiled, a more distinct image of the American sod business will emerge. WTT stands ready to record the action as the expanding industry begins to climb its giant ladder into turf significance. Comments from readers will be most welcome.

### Dutch Elm Disease Spreading Westward, Pathologist Warns

Dutch elm disease, which has caused widespread havoc in the Midwest, is steadily inching farther west, according to a recent warning by Dr. L. E. Dickins, extension plant pathologist at Colorado State University, Fort Collins.

The dreaded malady already has spread into most eastern Kansas counties, and a number of cases are reported for the first time in eastern Nebraska counties, the doctor points out.

Although this westward movement may take some time, "we cannot overemphasize the potential hazard to our elms," Dr. Dickins cautions.

There are no known cures for the menace, the pathologist explained, but a number of preventive measures are known:

(1) Control native and European elm bark beetles which carry the fungus; (2) assure tree's health by proper pruning, fertilization, and watering; (3) clean up old elm wood piles, and strip bark from logs and stumps to prevent bark beetle buildup; (4)

burn all dead elm trees; and (5) use mixed plantings with resistant tree species to reduce disease hazards.

A symptom of Dutch elm disease is wilting or flagging of one or more branches high in a tree's crown. Sapwood of wilted branches becomes brown-streaked, and leaves will probably fall prematurely.

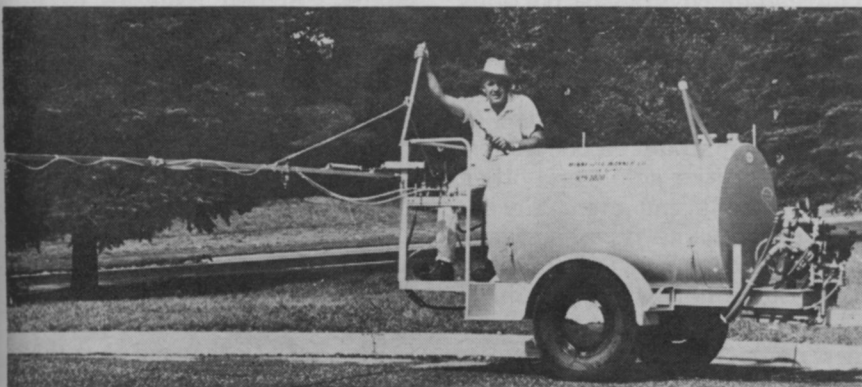
Dickins says these symptoms are not always reliable, therefore suspected infestations should be confirmed by laboratory analysis. He asks that all such specimens in Colorado be mailed to him at the Fort Collins campus. Select wilted, but still living branches, 1/2 in. or more in diameter, and wrap them in foil before mailing.

### GSCAA Moves Offices to Ill.

Headquarters of the Golf Course Superintendents Association of America were moved to Des Plaines in suburban Chicago, Ill., on July 1. The old offices at Jacksonville Beach, Fla., closed.

L. R. (Bob) Shields Jr., president of GCSAA, announced that the new address is 3158 Des Plaines Ave., Des Plaines, Ill. 60018. The new telephone number is (312) 824-6147.

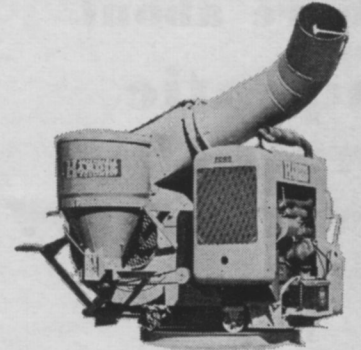
"We are moving our base of operations to Des Plaines to a more geographically central location to provide better and faster service to our members," Shields told WTT.



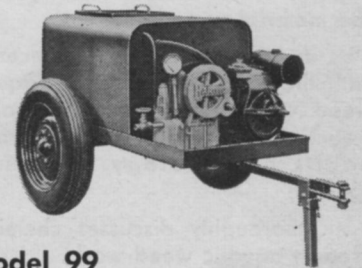
A new ground sprayer for applying invert emulsions has been developed by the Minnesota Wanner Co., Minneapolis. Exact proportions of water and brush killer are mixed in a small chamber in spray gun under pressure, producing a very viscous white mixture which is also very adhesive. This process develops such desirable results as controlled droplet size and heavy viscosity that does not lend itself to drift in form of fog or mist; it cannot be washed off by rain. Its white color makes it easy to observe while application is in process according to company. Complete information is obtainable from Kent Wanner, Minnesota Wanner Co., 5145 Eden Ave., Minneapolis.

# HARDIE

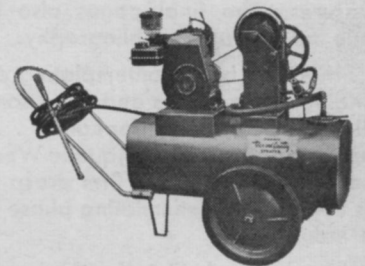
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