

## Ornamentals/ Plantes ornamentales

**CROP:** Elm

**LOCATION:** Manitoba

**.NAME AND AGENCY:**

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**TITLE: INCIDENCE OF DUTCH ELM DISEASE IN MANITOBA IN 1993**

**METHODS:** Results are based on samples of American elm, *Ulmus americana* and Siberian elm, *Ulmus pumila* submitted to the Crop Diagnostic Centre from a survey conducted by the City of Winnipeg. Trees were selected for sampling and submissions to the laboratory on the basis of presence of wilted brown leaves and brown staining of the vascular tissues. All samples submitted were cultured on potato dextrose agar medium and incubated for 7 days at 20°C. Fungal identifications were done after 7 days.

**RESULTS AND COMMENTS:** Dutch elm disease (*Ophiostoma ulmi*) was detected in 945 trees in Winnipeg in 1993. A total of 4,217 trees were removed because of suspected Dutch elm disease (DED). Because of budgetary cutbacks by the Department of Natural Resources, only the trees from the City of Winnipeg were culture for DED. Trees from rural Manitoba were field diagnosed and marked for removal on the basis of leaf wilting and presence of stain in the vascular area of branches showing wilt. There were 5,792 trees marked for removal in rural Manitoba on account of being suspected by being affected by DED.