

City of Rochester
Shade Tree Disease
Control
Ordinance # 47

47.01 Nuisance declared. The prevention, control and abatement of Dutch elm disease and Oak wilt is necessary for the protection, preservation and conservation of public and private lands and the investment and benefit therein, and to protect and promote the general welfare of the public and this community. Therefore, the following conditions are hereby found and declared to be a public nuisance wherever they exist in the city.

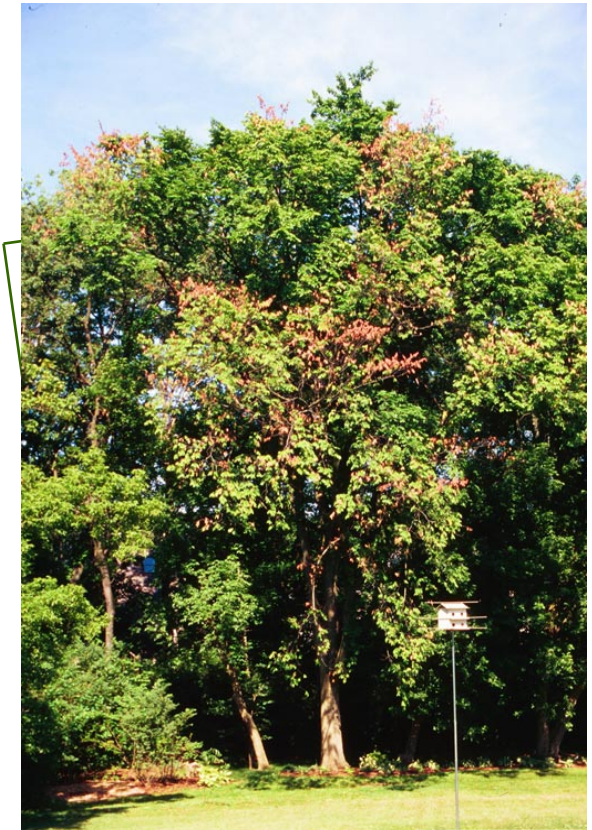


Bark intact elm firewood is prohibited within the City of Rochester



Elm bark beetle galleries in cambium layer of elm log. This sign indicates the beetles that act as vectors for DED were present in tree.

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Dutch Elm
Disease
In
Rochester
Minnesota
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Dutch Elm Disease

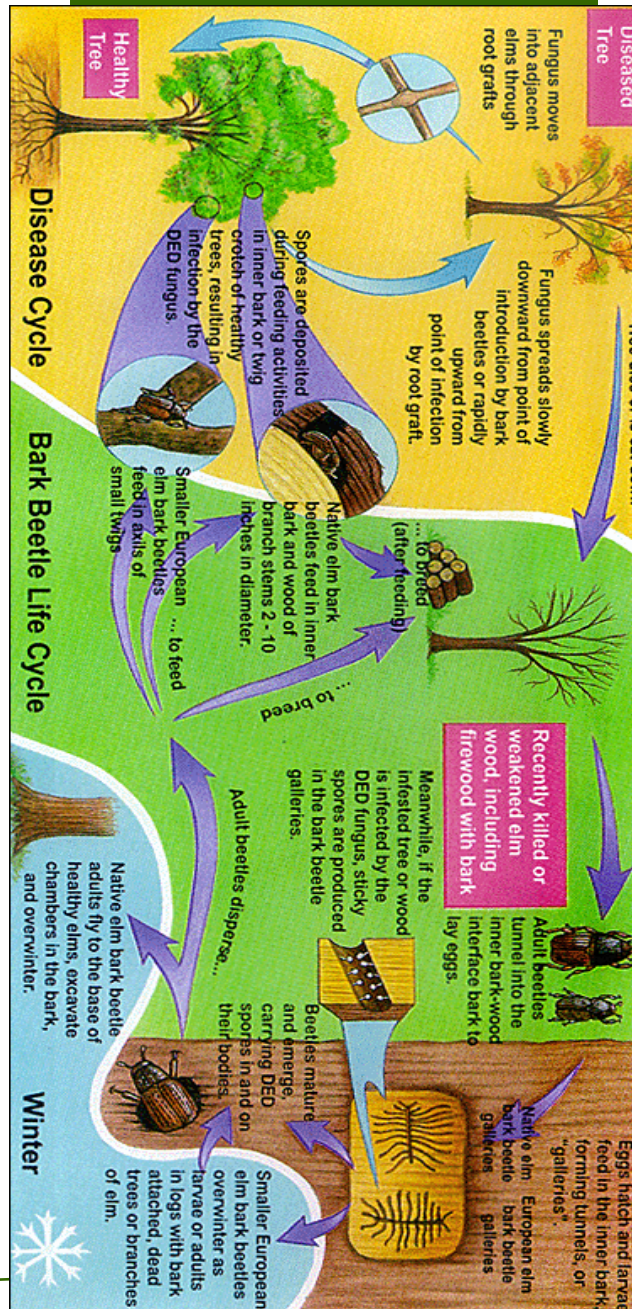


One early symptom of DED is the “flagging” of elm leaves. Flagging is the wilting and browning of elm leaves which is depicted in this photo.

Facts of Dutch Elm Disease (DED)

- Dutch elm disease, or DED, is caused by a fungus
- DED can be spread from a diseased elm to a healthy elm through root connections called root grafts, or carried on elm bark beetles
- DED is fatal to infected elms, although there are new DED resistant varieties currently available

Disease Life Cycle



- Diseased elms are diagnosed by an arborist employed by the City of Rochester Forestry Division
- All areas of the city are monitored for DED by the city forestry division to the extent that resources allow
- “Sanitation remains the single most important and effective weapon in the battle against Dutch elm disease (DED)”
- For additional information ...
- <http://www.ext.nodak.edu/extpubs/plantsci/trees/pp324w.htm#Chemical>
- <http://www.extension.umn.edu/projects/yardandgarden/diagnostics/ded.html>
- <http://www.entomology.umn.edu/cues/dx/CB/dutch.htm>
- <http://www.rainbowscience.com/ded/index.asp>



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