



Swedish columnar aspen



Trembling aspen

Bronze Leaf disease



What do the symptoms look like?

- Diseased leaves often first show up in the lower crown but may be scattered throughout the crown of the tree or isolated to a few branches.
- Leaves become dark reddish-brown, chocolate brown or bronze although the veins and the leaf stem may remain green for some time.
- All the leaves on a shoot may show signs of the disease.
- Infected leaves remain on the tree through the winter.
- Once the disease spreads, browning may be observed under the bark of diseased branches.
- New leaves on infected branches may appear underdeveloped in subsequent years.



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calgary.ca/parks
call 3-1-1

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What is Bronze Leaf disease and why is it significant?

Bronze Leaf disease (BLD) is a fungal disease that infects various poplar species and hybrids, in particular, trembling aspens, Swedish columnar aspens and tower poplars. BLD is relatively new to Calgary and can kill an infected tree within three to five years of initial infection.

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Early detection and treatment is important. There are currently no known chemical controls for BLD. Taking preventative actions and understanding treatment options can mitigate the risk of widespread infection.

The City is in the process of identifying the scope of BLD in Calgary. We need assistance from the public to learn more about the prevalence of this disease, in City-owned and privately owned trees. The City will monitor and treat public trees for BLD. However, resources are not available to monitor, diagnose and treat privately owned trees. We are asking members of the public to make note of and, if necessary, investigate, trees on private property that may have BLD.

How does the disease spread?

- BLD spreads from one tree to the next via airborne spores.
- Spore dispersal occurs in early spring, once daily temperatures average 18 degrees Celsius.

Controlling the spread

- Prune and collect materials from diseased trees and take to a City landfill. Do not compost, chip or use this material for firewood.
- Prune diseased branches eight to 12 inches below visible sign of infection.

- When removing diseased material, be careful to clean up thoroughly and dispose of debris.

Reporting

If you think your tree has BLD, contact your local tree care professional or certified arborist for a diagnosis.

Report any confirmed cases of BLD to The City of Calgary Parks by calling **3-1-1** or by emailing **3-1-1ContactUs@calgary.ca**.

Further information

Visit our website at **calgary.ca/parks** for more information on this disease.



Tree tip: regular maintenance and tree care equips your tree to resist disease and fight infections. Proper tree care includes regular pruning, watering and monitoring for insects and diseases.