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Ozone injury

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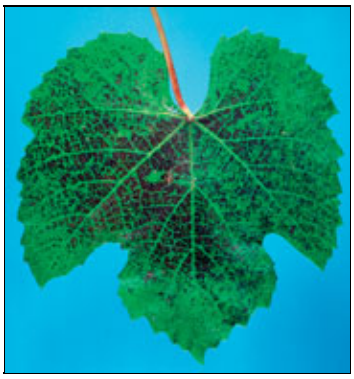
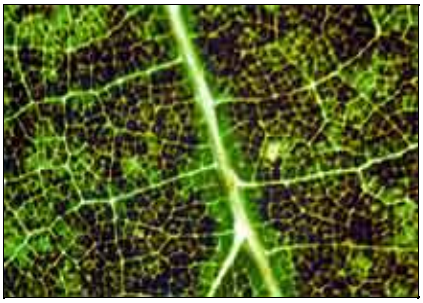


Some grape varieties, including Concord and Chambourcin, are highly susceptible to injury from ozone, which originates from lightning storms or industrial pollution. This injury becomes more severe with increased exposure to ozone. Therefore, the injury is most severe on older, basal leaves and less severe or non-existent on the very youngest leaves (photo at left). Injury is concentrated on leaves on the canopy's exposed exterior.

Close examination of darkened leaf areas will reveal that the small veins remain light-colored or green.

An injured Concord grapevine. Exposed and older leaves are most affected. Photos: Tom Zabadal



Mild injury on a Catawba grape leaf. The veins of the leaves remain light-colored. Photo: T. Zabadal

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