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## X- Disease

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X-Disease is found in peach, nectarine, sweet and tart cherry in the Great Lakes states and occasionally in the mid-Atlantic states. In peach, leaves on isolated limbs curl inward after about two months of growth and develop irregular yellow to reddish-purple spots that soon drop out, resulting in tattered leaves.

Fruit on infected limbs will drop prematurely. Infected cherry trees on Mahaleb rootstock die suddenly in midsummer, and trees on Mazzard rootstock decline slowly. Scattered fruit on trees on Mazzard rootstock are smaller than normal, are green or pink at harvest, and have a bitter taste. Enlarged stipules may be associated with infected leaves of sweet cherry cultivars on Mazzard rootstock.



The pathogen is leafhopper transmitted.



Leaves on affected limbs fall prematurely, starting at the bases of the shoots and leave tufts of leaves at the tips of infected shoots.

## Additional information

- For more monitoring information and evaluation of available pesticides: [Michigan Fruit Management Guide](#)
- [MSU Diagnostic Services](#) for assistance in pest identification.
- [MSU Fruit Crop Advisory Team Alert](#) newsletters for current pest/crop conditions.

Images on this page provided by Alan L. Jones.

This information was developed from A Pocket Guide for IPM Scouting in Stone Fruits by David Epstein, Larry J. Gut, Alan L. Jones and Kimberly Maxson-Stein. Purchase this in a pocket-sized guide for reference in the orchard from [MSU Extension](#) (publication E-2840).

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