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Crown gall - *Agrobacterium tumefaciens* (E.F. Smith & Townsend) Conn

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Crown gall on Mazzard F12/1 rootstock.

Tumors or galls are produced on the roots and crown and, under special circumstances, on aboveground portions of plants. Galls begin as small, smooth growths that enlarge to become dark, hard, woody tumors with gnarled, irregular surfaces. Old galls may be covered with secondary fungi and riddled by insects. Orchard trees with one or more large galls on the crown are often stunted.

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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