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Crabapple: Spider mites

Use *Integrated Pest Management (IPM)* for successful plant problem management.

Biology

Spider mites on crabapple vary in color. They may be yellow, green, red or brown. They have eight legs and are very small, appearing as moving dots when viewed through a hand lens. Spider mites often feed on the underside of leaves, causing yellowish to bronze stippling or speckling. Fine webbing may be present on leaves or in branch crotches. Hot, dry, dusty conditions are especially favorable for development of severe infestations.

Management Options

Non-Chemical Management

- ~ Wash spider mites from plants with a strong stream of water.
- ~ Provide adequate irrigation and proper plant nutrition. High levels of nitrogen in the foliage encourage mite reproduction. Switch to a slow-release or low-nitrogen fertilizer.
- ~ Natural predators such as ladybird beetles and predacious mites help control spider mite populations. Avoid use of broad-spectrum insecticides which kill beneficials.
- ~ Plant ground covers to help prevent dusty conditions.

Select non-chemical management options as your first choice!

Chemical Management

IMPORTANT: Visit *Home and Garden Fact Sheets* for more information on using pesticides

Pesticide recommendations are for flowering (non-edible) crabapples. Apply in late spring if mites are present and moving. Horticultural oils are most effective against the egg stage (delayed dormant period) of the mite life cycle and only on European Red mites not on 2-spotted mite. Homeowners should not make foliar applications to trees over 10 ft tall. Consult a commercial pesticide applicator for treatment of trees and shrubs over 10 ft. tall.

Listed below are examples of pesticides that are legal in Washington. Always read and follow all label directions.

- ~ All Seasons Horticultural & Dormant Spray Oil Conc [Organic]
 - active ingredient: oil/pet distillate
 - EPA reg no: 4-80
- ~ Hi-Yield Dormant Spray
 - active ingredient: oil/pet distillate
 - EPA reg no: 7401-428
- ~ Safer Brand Insect Killing Soap Conc II [Organic]
 - active ingredient: potassium salts of fatty acid
 - EPA reg no: 42697-60
- ~ This list may not include all products registered for this use.

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Images



~ Caption: Spider mites under microscope
~ Photo by: L.K. Tanigoshi



~ Caption: Spider mite damage on leaf
~ Photo by: A.L. Antonelli



~ Caption: Spider mite webbing
~ Photo by: A.L. Antonelli