

(revision date:2/25/2015)

## *Hawthorn: Scab*

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

### ***Biology***

Scab of hawthorn is caused by the same fungus that causes scab on apple and crabapple. The disease infects during wet weather in the spring and initially causes small pale, watersoaked spots on the leaves. The spots enlarge and darken, first to a velvety olive-green then to black. Leaves may become distorted and often drop, sometimes resulting in severe defoliation of susceptible trees. Scab can also affect fruit, with pinhead spots enlarging to velvety olive to black blotches. The disease is most favored by cool, wet conditions and overwinters in infected plant debris.

### ***Management Options***

#### **Non-Chemical Management**

- ~ Plant in full sun.
- ~ Avoid overhead irrigation.
- ~ Rake and destroy fallen leaves and fruit.

*Select non-chemical management options as your first choice!*

#### **Chemical Management**

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

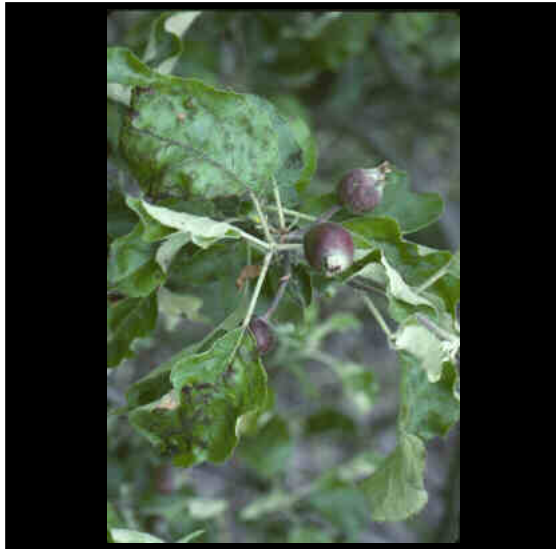
Apply fungicides when buds are expanding. Repeat application following label instructions until conditions are no longer favorable for disease development. Homeowners should not make foliar applications to trees over 10 ft tall. Consult a commercial pesticide applicator for treatment of trees and shrubs over 10 ft. tall.

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

- ~ Bonide Fung-onil Multi-Purpose Fungicide Conc
  - active ingredient: chlorothalonil
  - EPA reg no: 60063-9-4
- ~ Bonide Infuse Systemic Disease Control
  - active ingredient: propiconazole
  - EPA reg no: 100-773-4
- ~ GardenTech Daconil Fungicide Conc
  - active ingredient: chlorothalonil
  - EPA reg no: 67572-82-71004
- ~ Ortho Max Garden Disease Control Conc
  - active ingredient: chlorothalonil
  - EPA reg no: 239-2522
- ~ Spectracide IMMUNOX Multi-Purpose Fungicide Spray Conc
  - active ingredient: myclobutanil
  - EPA reg no: 9688-123-8845
- ~ This list may not include all products registered for this use.

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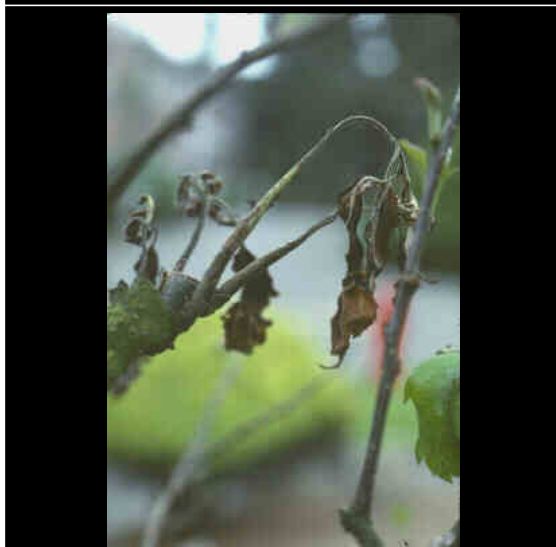
***Images***



*~ Caption: Apple scab on leaves and young fruit  
~ Photo by: R.S. Byther*



*~ Caption: Apple scab on leaf  
~ Photo by: R.S. Byther*



*~ Caption: Apple scab  
~ Photo by: R.S. Byther*