

# plant disease

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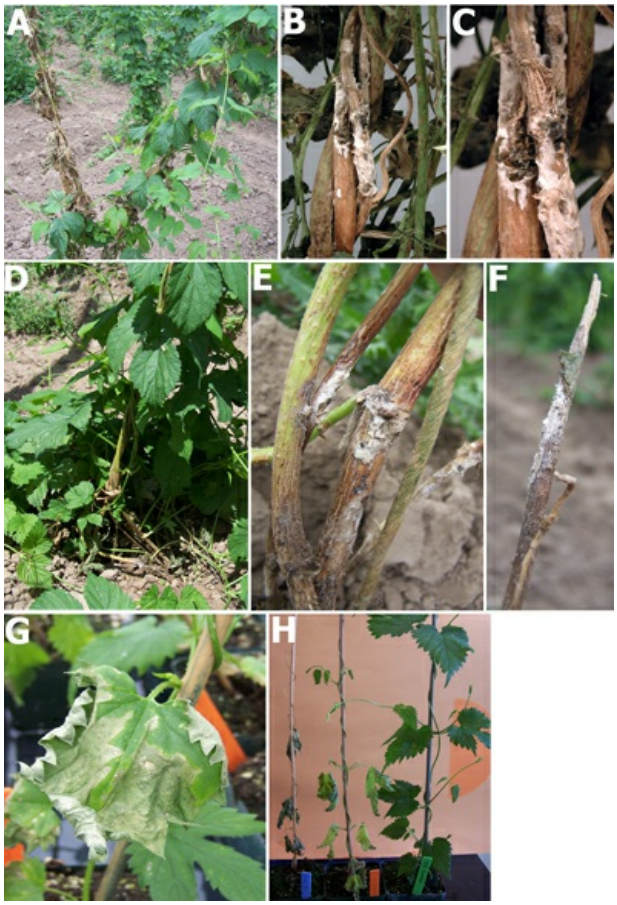
## Supplemental Material




**A,** Wilted hop bines due to Sclerotinia wilt. The bines to the left are completely wilted, while foliar symptoms preceding wilting are present on the bines to the right. **B,** Sclerotia and mycelia of *Sclerotinia sclerotiorum* present on bines approximately 1 m from the soil surface. **C,** Close up of stem lesion shown in B. **D,** *S. sclerotiorum* present on the base of bines below the soil surface. **E,** Signs of the pathogen on stems below the soil surface. **F,** Hop bine that has been severed from the root system due to extensive colonization by *S. sclerotiorum*. Note that the diameter of the stem is smaller than that of the colonized stems shown in E. **G,** Upward curling and necrosis of a leaf of cv. Agate 4 days after inoculation of the basal portion of the stem with *S. sclerotiorum*. **H,** Complete wilting of bines 11 days after inoculation with isolate SS001 (left) and SS002 (middle). A control plant is shown at right.