

Title: Collection of Cedar Apple Rust Galls

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Abstract: The purpose of this project was to collect cedar apple rust galls from cedar trees located on the Gettysburg National Military Park. Caused by the plant pathogenic fungus, *Gymnosporangium juniper-virginianae*, cedar apple rust is an economically important disease of both cedar and apple trees. Galls were used to study disease development and management at the Penn State Fruit Research and Extension Center in Biglerville, PA.

Report: The purpose of this project was to collect cedar apple rust galls from cedar trees located on the Gettysburg National Military Park. Caused by the plant pathogenic fungus, *Gymnosporangium juniper-virginianae*, cedar apple rust is often characterized by orange gelatinous horns on the branches of cedar trees and orange spots on apple leaves and fruit. Adams County is the heart of Pennsylvania's apple industry where cedar apple rust regularly reduces yield. At the Penn State Fruit Research and Extension Center (PSU FREC), research on cedar apple rust in experimental apple orchards includes developing the best fungicide application program to reduce symptoms of this destructive disease. Approximately 100 cedar apple rust galls were collected on May 5th and 6th from cedar trees located along West, Southwest, and South Confederate Avenues. Galls were introduced into the experimental orchards at the PSU FREC where disease incidence, in response to fungicide application, was recorded.