

Chrysanthemum White Rust

Puccinia horiana

Native of Asia, Chrysanthemum White Rust is a fungal pathogen with a limited host range and spores with a short lifespan as well as poor dispersal mechanisms. Over the past 25 years, isolated incidences of the fungal pathogen in the U.S. and Canada have been reported and quickly eradicated. In 2008, Chrysanthemum White Rust was discovered again in Massachusetts and is currently being eradicated. It is **not yet present in Rhode Island**.



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Symptoms:

The following symptoms are more observable during and after cool, wet weather.

On the upper surface of the leaf:

- Light green to yellow spots up to 5 mm in diameter.
- These spots become brown and necrotic with age.

On the underside of the leaf:

- Raised beige to pink pustules form under the spots.
- These pustules become whitish with age.

Pustules will form on any green tissue or petals, however are most common on young leaves and flower bracts.

Severely infected leaves will wilt and eventually dry up completely.

Similar Disease Symptoms:

Brown Rust of Chrysanthemum:
Chocolate brown pustules found on both sides of the leaves. For more information, view this [CWR Bulletin](#).

Information Sources

Chrysanthemum White Rust – *Puccinia horiana*. 26 September 2008. 3 March 2009
<<http://www.massnrc.org/pests/pestFAQsheets/chrysanthemumwhiterust.html>>.

Pathogen Alert: Chrysanthemum White Rust. September 2008. 3 March 2009 <<http://www.massnrc.org/pests/linkedddocuments/CWRPestAlert.pdf>>.

Image Sources

Invasive.org Chrysanthemum White Rust. 25 August 2008. 3 March 2009

<<http://www.invasive.org/search/action.cfm?q=chrysanthemum%20white%20rust&Start=1&results=22>>.