e-GRO Electronic Grower Resources Online

Rusts

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Rusts

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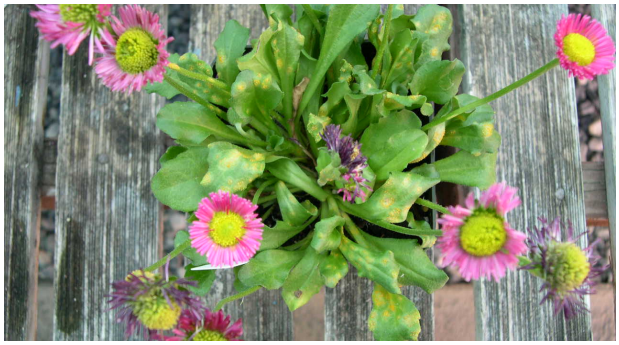


Rust on English daisy, *Bellis perennis* - also goes to Cineraria

Rusts

Rust on *Bellis perennis – Puccinia lagenophorae*

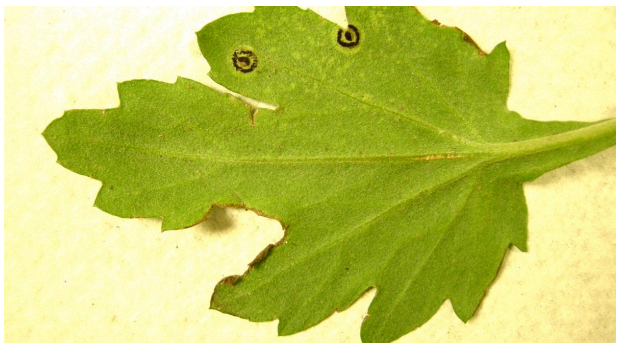
Rusts

Groundsel, a weed host for the same rust

Rusts

Brown Rust of Mum – *Puccinia chrysanthemi*

Rusts



Brown rust – secondary pustules in a ring

Chrysanthemum Brown Rust

Chrysanthemum Brown Rust

Chrysanthemum Brown Rust

Chrysanthemum White Rust

A Federal Quarantine Pest

Chrysanthemum White Rust

. . . Plus brown rust besides!

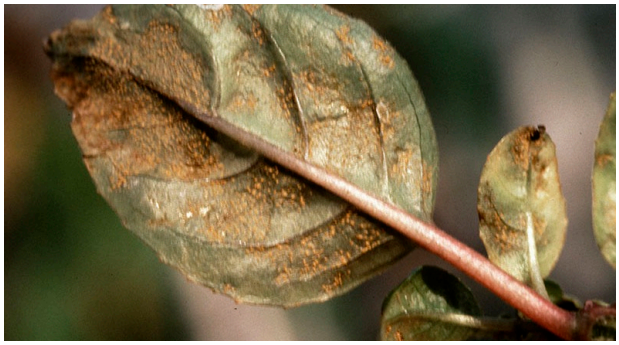
Chrysanthemum White Rust

White rust can be more of a dirty white . . .

Dianthus Rust

A.R. Chase image

Fuchsia Rust



Fuchsia rust, *Pucciniastrum epilobii*, also goes to fireweed and fir

Monarda Rust & PM

Rose Rust

a *Phragmidium* species

Rose Rust

Snapdragon Rust

Snapdragon Rust

Cultural Controls for Rust

- Same as for Botrytis – avoid long periods of leaf wetness
- Remove all crop debris at end of season

Chemical Controls for Rust

- Alternate between contacts and systemics
- Contacts: chlorothalonil, mancozeb and copper materials
- Systemics: strobilurins (Heritage, Compass O, Disarm O, Insignia, etc) Group 11; thiophanate-methyl (3336, 6672) Group 1; flutolanil (Contrast, ProStar) Group 7; myclobutanil (Eagle, Hoist), triadimefon (Strike) and triflumizole (Terraguard) Group 3
- Combo: Spectro, Pageant

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Pesticide registrations vary across states and regions. Always follow label instructions for all pesticides.