

Puccinia violae (Schum.) DC.

Violet rust



Description:

rust

Spores: aeciospores on *Viola* spp., with hyaline, verrucose walls 1-1.5 μm thick; urediospores with cinnamon brown walls 1.5-3 μm thick, echinulate, 2-3 midline pores; teliospores 2-celled, walls chestnut brown, 1.5-2.5 μm thick with pore at apex.

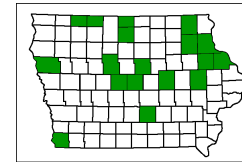
Diagnostic macroscopic feature: this is the only rust known on *Viola* species in the Eastern U.S.

Diagnostic microscopic feature: teliospores sometimes have papilla over pore at apex, faintly verrucose; differs from other violet rusts in having all 5 types of spores

Nutritional Mode: obligate parasite

Substrate: uredia, telia, basidia, aecia and spermatia on *Viola* species

Habitat: woodland, meadows, prairies, gardens



**widespread
throughout
worldvery
common**

Fruiting Season: aecia and spermatia in spring,
uredia and telia in summer, basidia in spring

Kingdom: Fungi

Phylum: Basidiomycota

Order: Uredinales