

## Puccinia polygoni-amphibii Pers.



### Description:

rust

**Spores:** aeciospores on *Geranium* spp., 13-18 x 16-22  $\mu\text{m}$ , walls minutely echinulate, hyaline; on Polygonaceae, urediospores cinnamon brown, echinulate; teliospores with cinnamon brown walls that are 1-2  $\mu\text{m}$  thick at sides and 5-10  $\mu\text{m}$  thick at apex.

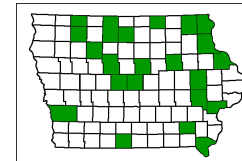
**Diagnostic macroscopic feature:** aecial cups on the undersurface of *Geranium* leaves, spermatia on either leaf surface, this is the only rust known on *Geranium maculatum*, or other native geraniums in northeast U.S.

**Nutritional Mode:** obligate parasite

**Substrate:** uredia, telia and basidia on Polygonaceae; aecia and spermatia on Geraniaceae

**Habitat:** woodland

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



throughout  
U.S. very  
common

**Kingdom:** Fungi  
**Phylum:** Basidiomycota  
**Order:** Uredinales