**Anemone-Rosaceae Rust - *Ochropsora ariae***

Although this rust develops on rosaceous hosts including cultivated apples, it does not seem to be damaging to that crop.

*Ochropsora ariae* Ramsb. 1915

**Spermogonia** amphigenous (on both leaf surfaces), more or less evenly scattered, subcuticular, conical, 110-140 µ wide × 60-100 µ high.

**Aecia** hypophyllous or on abaxial leaf surface, aecidioid, surrounded by well-developed peridium, cupulate; peridial cells cubical, outer walls smooth, inner walls verrucose; aeciospores produced in chains, subglobose or broadly ellipsoid, often angular, 14-27 × 13-21 µm, walls thin, hyaline, densely warted.

**Uredinia** Uredinia hypophyllous or on abaxial leaf surface, minute, round, 0.15-0.25 mm diam; paraphyses incurved variable in size, 29-77 × 8-19 µm wide; urediniospores broadly ellipsoid or obovoid, 21-28 × 17-23 µm, walls 1.5-2 µm thick, hyaline, verrucose to echinulate.

**Telia** hypophyllous, scattered or irregularly aggregated on yellowish to reddish spots, subepidermal, becoming erumpent; teliospores broadly cyindric, round at apex, 35-65 × 9-18 µm, 4-celled basidia continuously replacing teliospores; basidiospores oboviod to ellipsoid or narrowly ellipsoid, 20-25 × 7-10 µm; probasidia developing under host epidermis, sessile, walls thin and fragile, oblong to cylindrical, variable in size from 27-47 × 9-18 µm.


**Host range:** The spermogonia and aecial stages occur on *Anemone* while the uredinial and telial stages develop on various genera of *Rosaceae* including *Amelanchier*, *Aruncus*, *Pyrus*, *Sorbus*, and infrequently on *Malus* and *Prunus*.

**Geographic distribution:** Widespread in Asia (China, Japan, Nepal, Taiwan, thailand) and Europe (Bulgaria, Denmark, Finland, Germany, Greece, Norway, Poland, Russia, Sweden, Turkey, United Kingdom).

**Notes:** The telial stage of this rust species occurs on a wide range of rosaceous hosts while the aecial stage develops on *Anemone*. However, few studies have been made to confirm these hosts. Based on artificial inoculation experiments, Ono (2006) confirmed that the spermogonial and aecial host of *Ochropsora ariae* was *Anemone pseudo-altaica* producing the telial stage on *Aruncus dioicus* var. *tenuifolius*.

**References:**


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Aecia of *Ochrospora ariae* (x2.5) BPI 190765

Aeciospores of *Ochrospora ariae* (x40) BPI 190765

Peridial cells of *Ochrospora ariae* (x40) BPI 190765