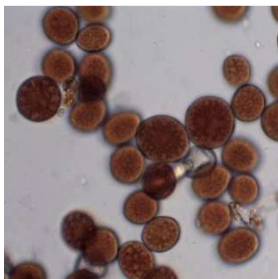


Orange Rust

Gymnoconia nitens
(Schweinitz) F. Kern & Thurston



OVERALL: Murray Hill, 5/29/2016,
K. Heffernan.
OVERALL: Murray Hill, 5/31/2016,
J. Solem.
OVERALL: Gorman Crossing E.S.,
5/14/2011, *S. Muller.*
TELIOSPORES (22.7-23.8 [25.2] X
20.4-22.8 [25.0] µm): Murray Hill,
5/31/2016, *R. Solem.*

Orange Rust

Gymnoconia nitens
Phragmidiaceae

J	F	M	A	M	J	J	A	S	O	N	D
				+++	+--	---	---				

ID: Rust on leaves of *Rubus* spp.

Habitat: Forms a rust on leaves of blackberry and black raspberry (*Rubus* spp)

Fruiting Body: 0.1" [4 mm] spore masses

"The major symptom of orange rust is the presence of masses of yellow-orange spores covering the lower leaf surface in May and June. Infected leaves are small and yellowish with orange pustules of waxy rust spores on the underside of the leaves. The spores are shed and cause new infections over a 2- to 3-week period. Leaf symptoms disappear from the field by mid- to late summer. The fungus invades all parts of the plant (including the roots). Infected plants never recover."*

Teliospores: Golden yellow. Round, fairly vericulose, walls 1.5 µm thick, orange.

Frequency: Fairly common.

Locations: MBRKP, MURHL, OTHER, PIGTL, RKBPR.

Notes: Mycobank 314774.

Synonyms: *Kunkelia nitens*.

References: *http://web.aces.uiuc.edu/vista/pdf_pubs/708.pdf,
<http://web3.canr.msu.edu/vanburen/e-1730.htm>.