

Conservation Status Assessment

Scientific Name: *Chrysomphalina grossula*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G3**

Rank Date: 3/9/2017

Rank Reasons: Moderate number of occurrences, some protected. Found on west coast of US only in North America, but also in Europe and Asia. No additional info to contradict 2017 assigned Region 6 rank. Cited as vulnerable in France (Larent-Dargent 2009). Matheny & al. (2006) place *Chrysomphalina* into the Hygrophoraceae and Lodge & al. (2013) place the genus into the Subfamily Hygrophoroideae E. Larss., Lodge, Vizzini, Norvell & Redhead, Tribe Chrysomphalineae Romagn., subtribe Chrysomphalineae E. Larss., Lodge, Vissini, Norvell & Redhead. (Laurent-Dargent, Jonathan. 2009. La Liste Rouge des Champignons (macromycètes) rares ou menacés de Lorraine. Thesis for Docteur de Pharmacie: Université Henry Poincaré - Nancy I. 120 pp. ; Matheny PG, Curtis JM, Hofstetter V, Aime MC, Moncalvo JM, Ge ZW, Yang ZL, Slot JC, Ammirati JF, Baroni TJ, Bougher NL, Hughes KW, Lodge DJ, Kerrigan RW, Seidl MT, Aanen DK, DeNitis M, Daniel GM, Desjardin DE, Kropp BR, Norvell LL, Parker A, Vellinga EC, Vilgalys R, Hibbett DS. 2006. Major clades of Agaricales: a multilocus phylogenetic overview. *Mycologia* 98: 982-995 ; Lodge D.J., Padamsee M., Matheny P.B., Aime M.C., Cantrell S.A., Boertmann D., Kovalenko A., Vizzini A., Dentinger B.T.M., Kirk P.M., Ainsworth A.M., Moncalvo J.-M., Vilgalys R., Larsson E., Lücking R., Griffith G.W., Smith M.E., Norvell L.L., Desjardin D.E., Redhead S.A., Ovrebo C.L., Lickey E.B., Ercole E., Hughes K.W., Courtecuisse R., Young, A., Binder M., Minnis A.M., Lindner D.L., Ortiz-Santana B., Haight J., Læssøe T., Baroni T.J., Geml J., Hattori T. 2013. Molecular phylogeny, morphology, pigment chemistry and ecology in Hygrophoraceae (Agaricales). *Fungal Diversity* 64:1-99.)

Range Extent: H = >2,500,000 sq km (> 1,000,000 sq mi)

Comments: Found on the west coast of the United States as well as in the Czech republic, Sweden, Norway, Japan, Serbia, and Russia.

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: At least 30 occurrences.

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: Around 40-50 grid cells occupied. Some oddly shaped occurrence records covering more than one grid cell.

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 3 in Olympic National Park, 3 in Mount Rainier National Park, 1 on edge of Wild Sky Wilderness, one in Tara National Park in Serbia.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

Few occurrences in protected areas. Others could be threatened by logging or other activities. In 2002 assessment Norvell ranked threats as unknown. Ranking here remains a G3 if threats left as unknown.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G3

Rank Author: Caitlin Lawrence

Rank Reviewer: Lorelei Norvell

References:

No additional references listed.

Definitions and Resources:

Rank Prefixes

- G Global rank, applied to taxon's full geographic range
- S State rank, applied to taxon's range within the designated state

Rank Values

- 1 Critically imperiled
- 2 Imperiled
- 3 Vulnerable
- 4 Apparently secure, uncommon but not rare
- 5 Secure, common, abundant, and widespread

Suggested citation:

Oregon Biodiversity Information Center. 2017. Fungi Conservation Status Assessments. Institute for Natural Resources, Portland State University and Oregon State University. Portland, Oregon and Corvallis, Oregon.

More assessments available at <http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation>

Element rank calculator resources at <http://www.natureserve.org/conservation-tools/conservation-rank-calculator>

Oregon Biodiversity Information Center, Institute for Natural Resources
Oregon State University and Portland State University
Mail Stop: INR, P.O. Box 751

Portland, OR 97207-0751
(503)-725-9950

<http://inr.oregonstate.edu/orbic>
<http://inr.oregonstate.edu/>