

Conservation Status Assessment

Scientific Name: *Fayodia bisphaerigera*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G3Q**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Rank Adjustment Notes: Found over a wide range but rare within its range. In 2017 L. Norvell says "A good species; widespread in Asia, Europe (including Iceland), North America; critically threatened in Czech Republic (Holec & Beran 2006, Holec & al. 2015), France (Larent-Dargent 2009), and on Norway red list; 22 historical occurrences noted in Region 6. Antonín (2004) provides an excellent description of the European type material. NOTE: In 2002 Norvell noted taxonomic confusion between *F. bisphaerigera* and '*Mycena rainierensis*' to be resolved when Redhead combined *M. rainierensis* in *Fayodia*. As no such transfer has been made, the status of the PNW taxon remains unresolved. The PNW reports of *F. 'biphaerigera'*, would reflect the rarity accurately, and current ranking accepted until taxonomy is resolved." (Holec, Jan; Beran, Miroslav (eds.) 2006. Red list of fungi (macromycetes) of the Czech Republic]. – Příroda, Praha, 24: 1-282. [in Czech with English summary] ; Holec, Jan; Kříž, Martin; Pouzar, Zdeněk; Šandová, Markéta. 2015. Boubínský prales virgin forest, a Central European refugium of boreal-montane and old-growth forest fungi. Czech Mycology 67(2): 157–226. ; Laurent-Dargent, Jonathan. 2009. La Liste Rouge des Champignons (macromycètes) rares ou menacés de Lorraine. Thesis for Docteur de Pharmacie: Université Henry Poincare - Nancy I. 120 pp ; Antonín, Vladimír. 2004. Notes on the genus *Fayodia* s.l. (Tricholomataceae) — II. Type studies of European species described in the genera *Fayodia* and *Gamundia*. Persoonia 18:341–364.)

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

Comments: Found in the United States, Denmark and Scotland. Widespread in Asia, Europe (including Iceland), North America; critically threatened in Czech Republic (Holec & Beran 2006, Holec & al. 2015), France (Larent-Dargent 2009), and on Norway red list

Population Size: Not assessed

Comments: None

Number of Occurrences: C = 21 - 80

Comments: At least 25 known occurrences worldwide. 22 historical occurrences noted in Region 6. (per Norvell)

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

Comments: At least 25 occupied grid cells.

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

Comments: All the protected occurrences are in Washington. Mount Rainier National Park and Olympic National Park. 8 occurrences in total.

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:

Around half of the occurrences are in protected areas. The other occurrences could be threatened by logging or other development.

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

(503)-725-9950

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