

Heritage Rank Status Factors

Elcode NFSM000076

Gname GAUTIERIA OTTHII

Gcomname

Number of Occurrences

C = 21 - 80

D = 81 - 300

E = >300

Comments This fungus has a broad range and it is difficult to understand the number of occurrences.

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments

Population Size

A = 1-50 individuals

B = 50-250 individuals

Comments

Range Extent

H = > 2,500,000 km² (greater than 1,000,000 square miles)

Comments Found in Europe, Alaska, Eastern and Western North America.

Area of Occupancy

B = 0.4-4 km² (about 100-1,000 acres)

LB = 4-40 km (about 2.5-25 miles)

Comments

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

Comments

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

Comments

Threats

E = Localized substantial threat. Threat is moderate to severe for a small but significant proportion of the population, occurrences, or area. Ecological community occurrences are directly impacted over a small area, or in a small portion of their range, but threats require a long-term recovery.

Scope Low **Severity** Moderate **Immediacy** Moderate

Comments This is a mycorrhizal species it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrhizal fungi die shortly after. The one possibly saving feature of this species is the spore bank. However, nothing is known about the spore bank of this species

Number of Appropriately Protected and Managed Occurrences

B = Few (1-3) occurrences appropriately protected and managed

Comments

Intrinsic Vulnerability

U = Unknown

Comments

Environmental Specificity

C = Moderate. Generalist or community with some key requirements scarce.

Comments Because of the broad range the environmental specificity can't be narrow.

Other Considerations

NRANK - NUQ. The specimens in the Western U.S. are probably a different species, not *G. otthii*.

Edition 11/12/2002 **Edauthor** Francisco J. Camacho

Grank G3G5 **Grank Date** 11/12/2002

Reasons

The broad range suggests that this is a successful fungus, although the taxonomy is clearly somewhat confused, especially as to how this is applied in the Pacific Northwest.

BCD Sources

New Sources

Trog, J.G. 1857. Naturforsch. Ges. Bern Mitt. P. 43.