

Heritage Rank Status Factors

Elcode NFSM000082
Gname GYMNOZYCES ABIETIS
Gcomname

Number of Occurrences

B = 6 - 20

Comments Known from about 20 sites.

Number of Occurrences with Good Viability

C = Few (4-12) occurrences with good viability

Comments

Population Size

A = 1-50 individuals

B = 50-250 individuals

Comments

Range Extent

F = 20,000-200,000 km² (about 8,000-80,000 square miles)

Comments Found from the Sierra National Forest in California to the Mount Baker-Snoqualmie National Forest in Washington. Occuring north and south along the Sierra Nevada and Cascades. Also found in the Siskiyou's of California and the Coast Range of Oregon.

Area of Occupancy

A = <0.4 km² (less than about 100 acres)

B = 0.4-4 km² (about 100-1,000 acres)

LA = <4 km (less than about 2.5 miles)

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

D = Many (13-40) occurrences appropriately protected and managed

Comments

Intrinsic Vulnerability

U = Unknown

Comments

Environmental Specificity

B = Narrow. Specialist or community with key requirements common.

Comments

Other Considerations

National Rank - N3N4

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Grank G3G4 **Grank Date** 11/13/2002

Reasons

Known only from California, Oregon, and Washington. Well-distributed and frequently collected in Oregon and California. I suspect that with careful examination a few more sites will be found in Washington.

BCD Sources

New Sources

Trappe, J.M., and Castellano, M.A. 2000. New sequestrate Ascomycota and Basidiomycota covered by the Northwest Forest Plan. Mycotaxon 75:153-179.