

# Oregon Status Factors

**Elcode** NFSM000167  
**Gname** RHIZOPOGON BRUNNEINIGER  
**Gcomname**

## Number of Occurrences

B = 6 - 20

Comments Known from 5 collections.

## Number of Occurrences with Good Viability

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

Comments

## Population Size

A = 1-50 individuals

Comments

## Range Extent

D = 1,000-5,000 km<sup>2</sup> (about 400-2,000 square miles)

Comments In Western Oregon and Northwestern California.

## Area of Occupancy

A = <0.4 km<sup>2</sup> (less than about 100 acres)

LA = <4 km (less than about 2.5 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

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

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

**Comments** Broad range of habitats.

## Other Considerations

ORNHIC - List 3.

**Edition** 11/17/2002                      **Edauthor** Francisco J. Camacho

**Grank** S1S3                      **Grank Date** 11/17/2002

## Reasons

There are 4 sites for this fungus. But the range includes some of the most examined area's for truffle like fungi. It is clearly rare in the area surrounding the Willamette Valley, However, this may be the northern most extent of its range and would be expected to be rare. The other areas that it occurs in are less well surveyed. It is probably more common in these areas.

## BCD Sources

## New Sources

Smith, A.H., S.M. Zeller. 1966. A preliminary account of the North American Species of Rhizopogon. Mem. New York Bot. Gard. 14:1-177