



## 22 Endangered Fungi Species

When we talk about biodiversity, we don't just mean plants and animals - fungi are also an integral part of the diversity of life on Earth, enabling many of the ecosystem services that make life on Earth possible. But just as overall biodiversity is in decline, there are also many species of fungi that are at risk of extinction. In honour of the International Day for Biological Diversity, we present a list of 22 endangered fungi, sourced from the IUCN Red List. The IUCN Red List is the world's most comprehensive information source on the conservation status of species around the world.

### 1. *Acanthothece paucispora*

**Status:** Critically Endangered under criteria A3c; B2ab(i,ii,iii,iv); C2a(i); D

**Habitat type:** Forest

**Native:** United States (North Carolina)

**Most recent assessment:** 2017

**Learn more:** <https://www.iucnredlist.org/species/80702772/80702775>

### 2. *Afrothismia fungiformis*

**Status:** Endangered under criteria B1ab(ii,iii)+2ab(ii,iii)

**Habitat type:** Forest

**Native:** Cameroon

**Most recent assessment:** 2020

**Learn more:** <https://www.iucnredlist.org/species/192483831/192597361>

### 3. *Austroboletus amazonicus*

**Status:** Critically Endangered under criteria D

**Habitat type:** Desert

**Native:** Chile; Colombia (mainland)

**Most recent assessment:** 2020

**Learn more:** <https://www.iucnredlist.org/species/75098759/179542191>

#### 4. **Podoserpula miranda ( Barbie Pagoda )**

**Status:** Critically Endangered under criteria C2a(ii)

**Habitat type:** Forest

**Native:** New Caledonia

**Most recent assessment:** 2019

**Learn more:** <https://www.iucnredlist.org/species/154605211/154605228>

#### 5. **Erioderma pedicellatum ( Boreal Felt Lichen )**

**Status:** Critically Endangered under criteria A2c+4c

**Habitat type:** Forest

**Native:** Canada (Nova Scotia, Newfoundland)

**Most recent assessment:** 2003

**Learn more:** <https://www.iucnredlist.org/species/43995/10839336>

#### 6. **Calostoma insigne**

**Status:** Endangered under criteria A4c

**Habitat type:** Forest

**Native:** Indonesia, Malaysia, Papua New Guinea, Philippines, Thailand

**Most recent assessment:** 2019

**Learn more:** <https://www.iucnredlist.org/species/125434353/125435555>

#### 7. **Deconica baylisiana**

**Status:** Critically Endangered under criteria D

**Habitat type:** Grassland

**Native:** New Zealand

**Most recent assessment:** 2019

**Learn more:** <https://www.iucnredlist.org/species/154239294/154239311>

#### 8. **Entoloma eugenei**

**Status:** Endangered under criteria C2a(i)

**Habitat type:** Forest

**Native:** Japan, Korea, Russia

**Most recent assessment:** 2019

**Learn more:** <https://www.iucnredlist.org/species/148209013/148254863>

## 9. **Hypocreopsis amplectens**

**Status:** Critically Endangered under criteria C2a(i)

**Habitat type:** Forest

**Native:** Australia; New Zealand

**Most recent assessment:** 2019

**Learn more:** [http://iucn.ekoo.se/iucn/species\\_view/531280/](http://iucn.ekoo.se/iucn/species_view/531280/)

## 10. **Kavinia chacoserrana**

**Status:** Critically Endangered under criteria C2a(i); D

**Habitat type:** Forest

**Native:** Argentina

**Most recent assessment:** 2020

**Learn more:** <https://www.iucnredlist.org/species/172739508/172861152>

## 11. **Rinodina chrysomelaena ( Muhlenberg's Smile )**

**Status:** Critically Endangered under criteria A2c; B1ab(i,ii,iv)+2ab(i,ii,iv)

**Habitat type:** Forest, Wetlands (inland)

**Native:** Mexico (Oaxaca); United States (North Carolina)

**Most recent assessment:** 2015

**Learn more:** <https://www.iucnredlist.org/species/80703073/80703076>

## 12. **Arthopyrenia betulicola ( Old Birch Spots )**

**Status:** Critically Endangered under criteria C2a(i)

**Habitat type:** Forest

**Native:** United States (Tennessee, North Carolina)

**Most recent assessment:** 2019

**Learn more:** <https://www.iucnredlist.org/species/80702824/80702827>

## 13. **Teloschistes peruensis ( Peruvian Orange-bush Lichen )**

**Status:** Critically Endangered under criteria A2bce

**Habitat type:** Desert

**Native:** Chile; Peru

**Most recent assessment:** 2020

**Learn more:** <https://www.iucnredlist.org/species/175710031/200461575>

## 14. **Pocillopora fungiformis**

**Status:** Endangered under criteria A4c

**Habitat type:** Marine Neritic

**Native:** Madagascar

**Most recent assessment:** 2008

**Learn more:** <https://www.iucnredlist.org/species/133552/3799217>

## 15. **Ramalina portosantana**

**Status:** Critically Endangered under criteria B1ab(iii)+2ab(iii)

**Habitat type:** Rocky areas (eg. inland cliffs, mountain peaks)

**Native:** Portugal (Madeira)

**Most recent assessment:** 2017

**Learn more:** <https://www.iucnredlist.org/species/70380974/175190113>

## 16. **Bryoria salazinica ( Smooth Horsehair Lichen )**

**Status:** Critically Endangered under criteria C2a(i); D

**Habitat type:** Forest

**Native:** Canada (Newfoundland I, Nova Scotia, Prince Edward I., Québec, New Brunswick)

**Most recent assessment:** 2021

**Learn more:** <https://www.iucnredlist.org/species/194660286/194678109>

## 17. **Spongiforma squarepantsii**

**Status:** Endangered under criteria C2a(i)

**Habitat type:** Marine Neritic

**Native:** Malaysia

**Most recent assessment:** 2019

**Learn more:** <https://www.iucnredlist.org/species/155269816/155269858>

## 18. **Buellia asterella ( Starry Breck Lichen )**

**Status:** Critically Endangered under criteria A4c

**Habitat type:** Grassland

**Native:** Germany, Norway

**Most recent assessment:**

**Learn more:** <https://www.iucnredlist.org/species/70385861/70385867>

## 19. **Cora timucua ( Timucua Heart Lichen )**

**Status:** Critically Endangered (Possibly Extinct) under criteria A2c; B1ab(iii)+2ab(iii); D

**Habitat type:** Forest

**Native:** United States (Florida)

**Most recent assessment:**

**Learn more:** <https://www.iucnredlist.org/species/175711802/175712343>

## 20. **Tulostoma domingueziae**

**Status:** Critically Endangered under criteria C2a(ii)

**Habitat type:** Forest

**Native:** Argentina

**Most recent assessment:** 2020

**Learn more:** <https://www.iucnredlist.org/species/172742153/172861262>

## 21. **Xerocomus griseo-olivaceus**

**Status:** Endangered under criteria C2a(ii)

**Habitat type:** Forest

**Native:** New Zealand

**Most recent assessment:** 2019

**Learn more:** <https://www.iucnredlist.org/species/155202927/155202938>

## 22. **Lepiota luteophylla ( Yellow-gilled Lepiota )**

**Status:** Critically Endangered under criteria D

**Habitat type:** Forest

**Native:** United States (California)

**Most recent assessment:** 2016

**Learn more:** <https://www.iucnredlist.org/species/95384528/95385509>

*Propose your own list of 22 biodiversity-related items (guidelines) >*

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## Disclaimer

We acknowledge that there are thousands of individuals and organizations around the world undertaking extraordinary work for biodiversity each and every day.

The information provided within each list of 22 biodiversity-related items is meant to create engagement and participation in the [Biodiversity Day](#) campaign and is by no means exhaustive or fully representative of all the initiatives taking place around the globe or all the individuals, organizations, and entities that promote biodiversity. We apologize for any inconvenience or misunderstanding this could cause and we look forward to your feedback. Please [contact us](#) for any comments and suggestions to rectify any inconsistencies. More importantly, we also invite you to create your own lists of 22 biodiversity-related items, which will be more representative of your work and adapted to your topic of interest.

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