Zingiber argenteum

Theilade, Ida; Mood, J.; Olander, S.B.

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Zingiber argenteum

Assessment by: Theilade, I., Mood, J. & Olander, S.B.

View on www.iucnredlist.org
**Taxonomy**

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Phylum</th>
<th>Class</th>
<th>Order</th>
<th>Family</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plantae</td>
<td>Tracheophyta</td>
<td>Liliopsida</td>
<td>Zingiberales</td>
<td>Zingiberaceae</td>
</tr>
</tbody>
</table>

**Taxon Name:** *Zingiber argenteum* Mood & Theilade

**Assessment Information**

**Red List Category & Criteria:** Critically Endangered B2ab(iii) [ver 3.1](https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T117456091A124284622.en)

**Year Published:** 2019

**Date Assessed:** February 26, 2019

**Justification:**

This species is only known by its type collection from Sarawak (Malaysia) on Borneo (Theilade and Mood 1997, ZRC 2019). A large proportion of its natural habitat has been converted in this part of Sarawak, and palm oil plantations are continuously expanding. This species was found in lowland forest (150 m asl) outside any protected area (Protected Planet 2019), making it especially threatened. *Zingiber argenteum* is therefore considered Critically Endangered.

**Geographic Range**

**Range Description:**

This species is endemic to Sarawak (Malaysia) on Borneo (WCSP 2019) and only known from its type location, Teng Bukap Agricultural Station (Theilade and Mood 1997, ZRC 2019).

**Country Occurrence:**

**Native:** Malaysia (Sarawak)
Distribution Map

Zingiber argenteum

Range

- Extant (resident)

Compiled by:

ZRC
Population
This species is only known from one collection (Mood 630 SAN!) suggesting that the population is small.
Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)
This species has a leafy stem of up to 75 cm, and has been found growing on limestone (Theilade and Mood 1997). The type collection was made at 150 m asl in a primary forest with high rainfall (Theilade and Mood 1997).

Systems: Terrestrial

Use and Trade
No available use or trade information.

Threats (see Appendix for additional information)
The forests of Borneo are under continuous threat of logging and conversion to e.g. palm oil plantations (WWF 2019). This species was found in lowland forest (150 m asl.) outside any protected area (Protected Planet 2019), making it especially threatened. The palm oil plantations in this area are under continuous expansion.

Conservation Actions (see Appendix for additional information)
This species is not known from any protected area (Protected Planet 2019, ZRC 2019) and has not been recorded by BGCI (2019) to be grown ex situ.

Credits
Assessor(s): Theilade, I., Mood, J. & Olander, S.B.
Reviewer(s): Newman, M.F.
Bibliography


WCSP. 2019. World Checklist of Selected Plant Families. Available at: https://wcsp.science.kew.org/home.do.


Citation


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External Resources

For Images and External Links to Additional Information, please see the Red List website.
## Appendix

### Habitats

(https://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
<thead>
<tr>
<th>Habitat</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Forest -&gt; 1.6. Forest - Subtropical/Tropical Moist Lowland</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Season</th>
<th>Suitability</th>
<th>Major Importance?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident</td>
<td>Suitable</td>
<td>-</td>
</tr>
</tbody>
</table>

### Plant Growth Forms

(https://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
<thead>
<tr>
<th>Plant Growth Forms</th>
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<tbody>
<tr>
<td>Forb or Herb</td>
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### Threats

(https://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
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<tr>
<th>Timing</th>
<th>Scope</th>
<th>Severity</th>
<th>Impact Score</th>
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</thead>
<tbody>
<tr>
<td>Future</td>
<td>Unknown</td>
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Stresses:
- 1. Ecosystem stresses -> 1.1. Ecosystem conversion
- 1. Ecosystem stresses -> 1.2. Ecosystem degradation
- 2. Species Stresses -> 2.1. Species mortality
- 2. Species Stresses -> 2.2. Species disturbance

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<tbody>
<tr>
<td>2. Agriculture &amp; aquaculture -&gt; 2.2. Wood &amp; pulp plantations -&gt; 2.2.3. Scale Unknown/Unrecorded</td>
</tr>
</tbody>
</table>

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<tbody>
<tr>
<td>5. Biological resource use -&gt; 5.3. Logging &amp; wood harvesting -&gt; 5.3.3. Unintentional effects: (subsistence/small scale) [harvest]</td>
</tr>
</tbody>
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### Conservation Actions in Place

(https://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
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<td>In-Place Land/Water Protection and Management</td>
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</table>

Occur in at least one PA: No

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Conservation Actions Needed

1. Land/water protection -> 1.1. Site/area protection
2. Land/water management -> 2.1. Site/area management

Research Needed

1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.5. Threats
3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

**Distribution**

Estimated area of occupancy (AOO) (km²): 4
Number of Locations: 1
Upper elevation limit (m): 150

**Habitats and Ecology**

Continuing decline in area, extent and/or quality of habitat: Yes
The IUCN Red List Partnership

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The IUCN Red List Partners are: Arizona State University; BirdLife International; Botanic Gardens Conservation International; Conservation International; NatureServe; Royal Botanic Gardens, Kew; Sapienza University of Rome; Texas A&M University; and Zoological Society of London.