Zingiber argenteum

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

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Liliopsida	Zingiberales	Zingiberaceae

Taxon Name: *Zingiber argenteum* Mood & Theilade

Assessment Information

Red List Category & Criteria: Critically Endangered B2ab(iii) [ver 3.1](#)

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.

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External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.6. Forest - Subtropical/Tropical Moist Lowland	Resident	Suitable	-

Plant Growth Forms

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Plant Growth Forms
Forb or Herb

Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.1. Shifting agriculture	Future	Unknown	Unknown	Unknown
	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		
2. Agriculture & aquaculture -> 2.2. Wood & pulp plantations -> 2.2.3. Scale Unknown/Unrecorded	Future	Unknown	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 2. Species Stresses -> 2.1. Species mortality		
5. Biological resource use -> 5.3. Logging & wood harvesting -> 5.3.3. Unintentional effects: (subsistence/small scale) [harvest]	Future	Unknown	Unknown	Unknown
	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		

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: No

Conservation Actions Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

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

Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.5. Threats
3. Monitoring -> 3.1. Population trends
3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 4
Number of Locations: 1
Upper elevation limit (m): 150
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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