

Extinction risk

Published estimates of % of plants threatened with extinction

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A review of the literature was carried out to compile a list of published estimates of plant extinction risk. The table below presents the estimates of percentage threat along with the source of the figure. References are listed below.

%	Year	Author
10	1978	Lucas & Synge, 1978
24	1985	Davis, 1986 – Referring to an estimate from the IUCN/WWF Plant Advisory Group in 1985
27	1987	Raven, 1987
12.5	1998	Walter & Gillett, 1998
33.33	1999	Raven, 1999
15-20	2002	Bramwell, 2002
22-62	2002	Pitman & Jørgensen, 2002
20	2008	Brummitt, Bachman, & Moat, 2008
27-33	2010	Joppa, Roberts, & Pimm, 2010
20	2011	Raven, 2011
30	2014	Pimm et al., 2014
27-33	2015	Pimm & Joppa, 2015
21.44	2015	Brummitt et al., 2015

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Threat Sunburst diagram

Featured online and on page 63 of the report

For the full list of modifications from the IUCN – CMP system see the table below:

SOTWP sunburst label (website)	Equivalent IUCN - CMP threat and code
Agriculture	2 Agriculture & aquaculture
Expansion/intensification of crop farming	2.1 Annual & perennial non-timber crops
Expansion/intensification of crop farming - scale unknown	2.1.4 Scale Unknown/Unrecorded
Wood & pulp plantations - scale unknown	2.2.3 Scale Unknown/Unrecorded
Livestock farming	2.3 Livestock farming and ranching
Livestock farming - scale unknown	2.3.4 Scale Unknown/Unrecorded
Aquaculture	2.4 Marine & freshwater aquaculture

Gathering terrestrial plants - motivation unknown	5.2.4 Motivation Unknown/Unrecorded
Logging	5.3 Logging & wood harvesting
Subsistence/small scale	5.3.1 Intentional use: subsistence/small scale (species being assessed is the target) [harvest]
Large scale harvest	5.3.2 Intentional use: large scale (species being assessed is the target) [harvest]
Unintentional effects of subsistence	5.3.3 Unintentional effects: subsistence/small scale (species being assessed is not the target) [harvest]
Unintentional effects of large scale harvest	5.3.4 Unintentional effects: large scale (species being assessed is not the target) [harvest]
Logging - motivation unknown	5.3.5 Motivation Unknown/Unrecorded
Human Disturbance	6 Human intrusions & disturbance
Fire	7.1 Fire & fire suppression
Increase	7.1.1 Increase in fire frequency/intensity
Suppression	7.1.2 Suppression in fire frequency/intensity
Fire - Trend unknown	7.1.3 Trend Unknown/Unrecorded
Abstraction of surface water	7.2.1 Abstraction of surface water (domestic use); 7.2.2 Abstraction of surface water (commercial use); 7.2.3 Abstraction of surface water (agricultural use); 7.2.4 Abstraction of surface water (unknown use)
Abstraction of ground water	7.2.5 Abstraction of ground water (domestic use); 7.2.6 Abstraction of ground water (commercial use); 7.2.7 Abstraction of ground water (agricultural use); 7.2.8 Abstraction of ground water (unknown use)
Dams	7.2.9 Small dams; 7.2.10 Large dams; 7.2.11 Dams (size unknown)
Invasives	8.1 Invasive non-native/alien species/diseases
Problematic native species	8.2 Problematic native species/diseases
Introduced genetic material	8.3 Introduced genetic material
Invasive & Other Problematic Species, Genes & Diseases - unspecified	8.4 Problematic species/diseases of unknown origin; 8.6 Diseases of unknown cause
Domestic & urban waste water - type unknown	9.1.3 Type Unknown/Unrecorded
Industrial & military effluents - type unknown	9.2.3 Type Unknown/Unrecorded
Agricultural & forestry effluents - type unknown	9.3.4 Type Unknown/Unrecorded
Air-borne pollutants - type unknown	9.5.4 Type Unknown/Unrecorded
Thermal pollution	9.6.2 Thermal pollution