Juncus tenuis 简体中文 正體中文

System: Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Liliopsida	Juncales	Juncaceae

Common name field rush (English), slender rush (English), poverty rush (English), path rush (English), bull grass (English), slender yard rush (English), wiregrass (English), soft rush (English), jonc grêle (French)

Synonym
Juncus macer , S.F. Gray
Juncus tenuis , var. *anthelatus* Wieg.
Juncus tenuis , var. *multicornis* E. Mey.
Juncus tenuis , var. *williamsii* Fern.

Similar species

Summary *Juncus tenuis* is a rush introduced to countries worldwide. It may affect native species through competition with other plants and the alteration of valuable native habitats. For example, in Saint Helena *J. tenuis* reduces the suitability of nesting sites for the 'Critically Endangered (CR)' endemic wirebird *Charadrius sanctaehelenae*.

view this species on IUCN Red List

Species Description
Juncus tenuis is a perennial herb; stems 1 to 6 dm long, 1 to 2 mm in diameter, loosely cespitose. Leaves basal, numerous and crowded, blades variable in length, 7 to 30 cm long, 1 to 1.3 mm wide, sheaths loose with wide hyaline margins prolonged into white scarious auricles up to 5 mm long. Flowers (3-) numerous, borne singly on 1 side of rachis, in relatively compact dichasial cymes 1 to 7 cm long, forming less than 1/3 of plant, bracts 2 to 3, foliaceous, usually far exceeding inflorescence, each flower subtended by 2 bracteoles, these hyaline, triangular-ovate; perianth parts greenish, lanceolate, 3 to 4.5 mm long, apex long-acuminate, outer ones slightly reflexed at apex, inner ones with wide hyaline margins below; stamens 6, 1/2 as long as perianth; anthers shorter than filaments. Capsules reddish brown, 1-celled, broadly ovoid, thin-walled, slightly beaked, 2/3 to rarely scarcely shorter than perianth. Seeds pale brown, oblong, 0.3 to 0.4 mm long, slightly apiculate at both ends (Wagner *et al*. 1999, in PIER 2007).

Habitat Description
Juncus tenuis is found naturalised in Hawaii usually in wet sites along trails, disturbed places, and pastures at altitudes of 700 to 2000 meters (Wagner *et al*. 1999, in PIER 2007).

General Impacts
The Global Compendium of Weeds lists *Juncus tenuis* as an agricultural weed, casual alien, cultivation escape and environmental weed (GCW 2007).
J. tenuis has proven to be an ecological weed on Saint Helena where it alters valuable native habitats including breeding and nesting sites of the 'Critically Endangered (CR)' endemic wirebird (see *Charadrius sanctaehelenae* in IUCN Red List of Threatened Species) (Varnham 2006).

Principal source:

Compiler: IUCN SSC Invasive Species Specialist Group (ISSG) with support from the EU-funded South Atlantic Invasive Species project, coordinated by the Royal Society for the Protection of Birds (RSPB)

Review:

Pubblication date: 2010-08-16

ALIEN RANGE

[1] DENMARK
[1] JAPAN
[1] NEW ZEALAND
[1] SAINT HELENA
[4] UNITED STATES
[1] HUNGARY
[1] NETHERLANDS
[1] POLAND
[1] SWITZERLAND

Red List assessed species 1: CR = 1;

Charadrius sanctaehelenae **CR**

BIBLIOGRAPHY

8 references found for **Juncus tenuis**

Managment information

Global Compendium of Weeds (GCW). 2007. *Juncus tenuis* (Juncaceae)
Summary: Available from: http://www.hear.org/gcw/species/juncus_tenuis/ [Accessed 14 August 2008]

IUCN/SSC Invasive Species Specialist Group (ISSG)., 2010. A Compilation of Information Sources for Conservation Managers.
Summary: This compilation of information sources can be sorted on keywords for example: Baits & Lures, Non Target Species, Eradication, Monitoring, Risk Assessment, Weeds, Herbicides etc. This compilation is at present in Excel format, this will be web-enabled as a searchable database shortly. This version of the database has been developed by the IUCN SSC ISSG as part of an Overseas Territories Environmental Programme funded project XOT603 in partnership with the Cayman Islands Government - Department of Environment. The compilation is a work under progress, the ISSG will manage, maintain and enhance the database with current and newly published information, reports, journal articles etc.

McCulloch, Neil and Ken Norris. 2001. Diagnosing the Cause of Population Changes: Localized Habitat Change and the Decline of the Endangered St Helena Wirebird, The Journal of Applied Ecology 38 (40): 771-783.

Varnham, K. 2006. Non-native species in UK Overseas Territories: a review. JNCC Report 372. Peterborough: United Kingdom.
Summary: This database compiles information on alien species from British Overseas Territories.
Available from: http://www.jncc.gov.uk/page-3660 [Accessed 10 November 2009]

General information

ITIS (Integrated Taxonomic Information System), 2008. Online Database *Juncus tenuis* Willd.
Summary: An online database that provides taxonomic information, common names, synonyms and geographical jurisdiction of a species. In addition links are provided to retrieve biological records and collection information from the Global Biodiversity Information Facility (GBIF) Data Portal and bioscience articles from BioOne journals.
Available from: http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=39243 [Accessed 10 November 2008]

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Summary: Available from: http://www.hear.org/pier/species/juncus_tenuis.htm [Accessed 10 December 2008]

United States Department of Agriculture - Agricultural Research Service (USDA-ARS). 2002. Taxon: *Juncus tenuis* Willd. National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland.
Summary: Available from: http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?20804 [Accessed 20 August 2008]

United States Department of Agriculture - Natural Resources Conservation Service (USDA-NRCS). 2008. *Juncus tenuis* Willd.
Summary: Available from: http://plants.usda.gov/java/profile?symbol=JUTE [Accessed 14 August 2008]