

Agrostis gigantea

System: Terrestrial

| Kingdom | Phylum | Class | Order | Family |
|---------|---------------|------------|-----------|---------|
| Plantae | Magnoliophyta | Liliopsida | Cyperales | Poaceae |

Common name agrostide blanche (French), fiorin (English), bonnet grass (English), black bent grass (English), black bent (English), Fioringras (German), water bentgrass (English), pasto quila (Spanish), agrostide géante (French), Riesenstraußgras (German), redtop (English), agróstide mayor (Spanish), weiße Straußgras (German), agróstide blanca (Spanish)

Synonym *Agrostis alba* , auct. non L.
Agrostis gigantea , Roth var. *dispar* (Michx.) Philipson
Agrostis nigra , With.
Agrostis stolonifera , L. var. *major* (Gaudin) Farw.
Agrostis alba alba , Linnaeus
Agrostis stolonifera , L. ssp. *gigantea* (Roth) Schübl. & G. Martens

Similar species

Summary *Agrostis gigantea* commonly known as redtop, is reported to be weedy or invasive in some states in the USA and provinces in Canada. Native to temperate and tropical Asia, parts of Europe and North Africa, it was introduced for use as turf or lawn grass, as a fodder and forage species or for erosion control and revegetation purposes. Its impacts include displacement of native species in habitats where it is not managed properly.



[view this species on IUCN Red List](#)

Uses

Agrostis gigantea is used as a lawn/turf grass, for revegetation purposes and for erosion control. It is also used as a fodder and forage species (USDA-ARS, 2010)

Reproduction

Agrostis gigantea can be established by seed, sprigs, or sod (Tilley *et al* 2010).

General Impacts

Agrostis gigantea impacts include displacement of native species in habitats where it is not managed properly. It also hybridises easily and numerous non-typical plants can be found in most populations (Tilley *et al* 2010).

Management Info

It is recommended not to use *Agrostis gigantea* for revegetation in habitats that being considered for revegetation by native species (Tilley *et al* 2010).

Principal source:



GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: *Agrostis gigantea*

Compiler: IUCN SSC Invasive Species Specialist Group (ISSG) with support from the Overseas Territories Environmental Programme (OTEP) project XOT603, a joint project with the Cayman Islands Government - Department of Environment

Review:

Publication date: 2008-05-16

ALIEN RANGE

[1] CANADA

[3] SAINT HELENA

[1] UNITED STATES

[1] GREENLAND

[2] SOUTH AFRICA

BIBLIOGRAPHY

10 references found for *Agrostis gigantea*

Management information

[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.

[Tilley, D., D. Ogle, and L. St. John. 2010. Plant guide for redtop \(*Agrostis gigantea*\). USDA-Natural Resources Conservation Service, Idaho Plant Materials Center, Aberdeen, ID. 83210.](#)

Summary: Available from: <ftp://ftp-fc.sc.egov.usda.gov/ID/programs/plant/redtop.pdf> [Accessed 26 July 2010]

[Tristan Island Government, 2006. Tristan Biodiversity Action Plan \(2006-2010\)](#)

Summary: Available from: http://www.rspb.org.uk/Images/TristanBiodiversityActionPlan2_tcm9-180968.pdf [Accessed 26 July 2010]

General information

Chytry, Milan; Lindsay C. Maskell; Joan Pino; Petr Pysek; Montserrat Vilà; Xavier Font and Simon M. Smart, 2008. Habitat invasions by alien plants: a quantitative comparison among Mediterranean, subcontinental and oceanic regions of Europe. *Journal of Applied Ecology* 2008, 45, 448-458

Gremmen, N.J.M. & V.R. Smith, 1999. New records of alien vascular plants from Marion and Prince Edward Islands, sub-Antarctic. *Polar Biol* (1999) 21: 401-409

[Integrated Taxonomic Information System \(ITIS\), 2010. *Agrostis gigantea* Roth](#)

Summary: Available from: http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=40414 [Accessed 26 July 2010]

Rich, T. C. G. & E. R. Woodruff, 1996. Changes in the vascular plant floras of England and Scotland between 1930-1960 and 1987-1988: The BSBI Monitoring Scheme. *Biological Conservation* 75 (1996) 217-229

[USDA-ARS, 2010. Taxon: *Agrostis gigantea* Roth. 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?2027> [Accessed 26 July 2010]

[USDA-NRCS, 2010. *Agrostis gigantea* Roth redtop. The PLANTS Database \(<http://plants.usda.gov>, 4 September 2010\). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.](#)

Summary: Available from: <http://plants.usda.gov/java/profile?symbol=AGGI2> [Accessed 26 July 2010]

Wace, N. M. & J. H. Dickson, 1965. Part II: The Terrestrial Botany of the Tristan Da Cunha Islands. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences* Vol. 249, No. 759 (Oct. 7, 1965), pp. 273-360