


*Rubus alceifolius*  [简体中文](#) [正體中文](#)

**System:** Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Magnoliopsida	Rosales	Rosaceae

## Common name

## Synonym

*Rubus moluccanus* , auct. non L.   
*Rubus roridus* , auct. non Lindl.

## Similar species

## Summary

*Rubus alceifolius* is a climbing shrub native to Sumatra and Java that has been introduced in several islands of the Indian Ocean and Australia. When conditions are favorable, *R. alceifolius* develops dense, impenetrable monospecific cover up to several metres high, covering and smothering native herbaceous and shrubby vegetation.



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

## Habitat Description

The plant grows in sunny places, invading forest hedges, roadsides, open places in natural forests or in fallows.

## Reproduction

The genetic diversity analysis of *Rubus alceifolius* showed that populations in areas of introduction (Reunion, Mauritius, Mayotte, Australia) are clonal and genetically very different from those in native range, which showed high diversity. Madagascar populations appeared intermediate. The seed production is from apomixis in Reunion, while it is from allogamy within the native range. In Reunion, the seeds are produced from sea level up to 1100 m, while vegetative multiplication (cuttings, layerings) occurs from sea level until 1600 m (Dr. Thomas Le Bourgeois pers.comm., 17 February 2009).

## Management Info

**Biological:** By the end of 2007, the biological control agent *Cibdela janthina* (Tenthredinidae, Argidae) native to Sumatra, has been introduced and released in La Réunion Island. By the end of 2008, the agent is considered acclimated and well established. It is spreading naturally up to 900m of elevation. Impact on *Rubus* thickets is promising but still under evaluation, as well as natural regeneration of the flora according to *Rubus* regression (Dr. Thomas Le Bourgeois pers.comm., 17 February 2009).

## Principal source:

**Compiler:** Comité français de l'IUCN (IUCN French Committee) & IUCN SSC Invasive Species Specialist Group (ISSG)

## Review:

**Publication date:** 2010-08-16

## ALIEN RANGE

Global Invasive Species Database (GISD) 2024. Species profile *Rubus alceifolius*. Available from: <https://iucngisd.org/gisd/species.php?sc=1265> [Accessed 01 September 2024]

[1] MAYOTTE  
[1] SAINT LUCIA

[1] REUNION

## BIBLIOGRAPHY

22 references found for *Rubus alceifolius*

### Management information

Hivert, J. 2003. Plantes exotiques envahissantes - Etat des méthodes de lutte mise en oeuvre par l'Office National des Forêts de La Réunion. ONF Réunion.

**Summary:** Synthèse des méthodes de lutte employées par l'ONF de la Réunion contre une vingtaine de plantes exotiques envahissantes.

[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.

### General information

Amsellem L., Noyer J.L., Le Bourgeois T. and M. Hossaert-McKey. 2000. Comparison of genetic diversity of the invasive weed *Rubus alceifolius* Poir. (Rosaceae) in its native range and in areas of introduction, using amplified fragment length polymorphism (AFLP) markers. *Molecular Ecology* (2000) n°9, 443-455.

Atti M, Baret S, Strasberg D., 2005. Etude des insectes phytophages associés des plantes exotiques envahissantes de l'île de La Réunion. *Revue d'écologie (Terre et Vie)* 60: 107-125.

Baret, S. 2002. Mécanismes d'invasion de *Rubus alceifolius* l'île de La Réunion - Interaction entre facteurs écologiques et perturbations naturelles et anthropiques dans la dynamique d'invasion. Thèse d'Etat, Université de la Réunion, 224.

Baret S, Cournac L, Thébaud C, Edwards P, Strasberg D., 2008. Effects of canopy gap size on recruitment and invasion of the non-indigenous *Rubus alceifolius* in lowland tropical rain forest on Réunion. *Journal of Tropical Ecology*. 24: 337-345

Baret S, Le Bourgeois T, Rivière J-N, Pailler T, Sarraillh J-M, Strasberg D., 2007. Can species richness be maintained in logged endemic *Acacia heterophylla* forests (Réunion island, Indian ocean)? *Revue d'écologie (Terre et Vie)*. 62: 273-284.

Baret S, Le Bourgeois T, Strasberg D. 2005., Comment *Rubus alceifolius*, une espèce exotique envahissante, pourrait-elle progressivement coloniser la totalité d'une forêt tropicale humide ? *Canadian Journal of Botany* 83: 219-226.

Baret, S., Maurice, S., Le Bourgeois, T., Strasberg, D. 2004. Altitudinal variation in fertility and vegetative growth in the invasive plant *Rubus alceifolius* Poiret (Rosaceae), on Réunion island. *Plant Ecology*. 2004 ; 172 (2) : 265-273.

Baret S, Nicolini E, Humeau L, Le Bourgeois T, Strasberg D. 2003. Altitudinal variation of flowering Patterns of the Invasive Bramble (*Rubus alceifolius* Poiret, Rosaceae) in Réunion Island: an Architectural and Morphometric Analysis. *Canadian Journal of Botany* 81: 1293-1301.

Baret S, Nicolini E, Le Bourgeois T, Strasberg D. 2003. Developmental patterns of the invasive bramble (*Rubus alceifolius* Poiret, Rosaceae) in Réunion Island: an architectural and morphometric analysis. *Annals of Botany* 91: 39-48.

Baret S, Radjassegarane S, Le Bourgeois Thomas, Strasberg D. 2005. Does the growth rate of different reproductive modes of an introduced plant cause invasiveness? *International Journal of Botany* 1: 5-11.

Baret, S., Rouget, M., Richardson, D. M., Lavergne, C., Egoh, B., Dupont, J., & Strasberg, D. 2006. Current distribution and potential extent of the most invasive alien plant species on La Réunion (Indian Ocean, Mascarene islands). *Austral Ecology*, 31, 747-758.

**Summary:** L'objectif de ce papier est d'identifier les zones prioritaires en matière de gestion des invasions biologiques de La Réunion en modélisant la distribution actuelle et potentielle d'une sélection de plantes parmi les plus envahissantes.

Baret S & Strasberg D., 2005. The effects of opening trails on exotic plant invasion in protected areas on La Réunion island (Mascarene archipelago, Indian Ocean). *Revue d'écologie (Terre et Vie)*. 60: 325-332.

Barthelat, F. 2005. Note sur les espèces exotiques envahissantes de Mayotte. Direction de l'Agriculture et de la Forêt. 30p

**Summary:** Tableau synthétique des plantes exotiques de Mayotte classées en fonction de leur niveau d'envahissement.

[Conservatoire Botanique National De Mascarin \(BOULLET V. coord.\) 2007. - Rubus alceifolius Index de la flore vasculaire de la Réunion \(Trachophytes\) : statuts, menaces et protections. - Version 2007.1](#)

**Summary:** Base de données sur la flore de la Réunion. De nombreuses informations très utiles.

Available from: <http://flore.cbnm.org/index2.php?page=taxon&num=2e9777b99786a3ef6e5d786e2bc2e16f> [Accessed 9 April 2008]

Lavergne, R. 1978. Les pestes végétales de l'île de la Réunion. *Bull. Info-Nature* n°16

Le Bourgeois, T. 2006. Dossier technique concernant *Cibdela janthina* (Hymenoptera-Tenthredinidae) pour une demande d'importation et de lâcher de la Réunion en vue de la lutte biologique contre *Rubus alceifolius* (Rosaceae), plante exotique envahissante. CIRAD/UMR PVBMT. 24P + annexes.

Le Bourgeois T, Baret S, Strasberg D. 2003. Les invasions biologiques, un problème majeur en milieu tropical insulaire, l'exemple de la situation de La Réunion. *Académie d'Agriculture de France* 90: 18-19.

Macdonald, I.A.W., Thébaud, C., Strahm, W.A., & Strasberg, D. 1991. Effects on alien plant invasions on native vegetation remnants on La Réunion (Mascarene Islands, Indian Ocean). *Environmental Conservation*, 18, 51-61.

**Summary:** Cet article est le premier à proposer une hiérarchisation des plantes les plus envahissantes de La Réunion. 33 plantes ont été ainsi classées en utilisant une méthode développée en Afrique du Sud. Les bases d'une stratégie de lutte contre les plantes exotiques envahissantes sont également formulées.

[PIER \(Pacific Island Ecosystems at Risk\), 2006. Rubus alceifolius.](#)

**Summary:** Available from: [http://www.hear.org/pier/species/rubus\\_alceifolius.htm](http://www.hear.org/pier/species/rubus_alceifolius.htm) [Accessed 9 April 2008]



# GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: *Rubus alceifolius*

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[USDA, ARS, 2008. \*Rubus alceifolius\* Poir. National Genetic Resources Program. Germplasm Resources Information Network - \(GRIN\) \[Online Database\].](#)

**Summary:** Available from: <http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?32252> [Accessed 12 March 2008]