

## ***Hieracium aurantiacum***

**System:** Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Magnoliopsida	Asterales	Asteraceae

**Common name** grim-the-collier (English), devil's-paintbrush (English), devil's weed (English), red daisy flameweek (English), orange paintbrush (English), king-devil (English), fox-and-cubs (English), orange hawkweed (English), épervrerie orangée (French)

**Synonym** *Pilosella aurantiaca* , (L.) F. W. Schultz & Sch. Bip.

### Similar species

**Summary** Orange hawkweed, *Hieracium aurantiacum* is a perennial herb native to Europe. It has distinctive orange flowers which appear over summer until early autumn and produce tiny black seeds. *H. aurantiacum* can also spread vegetatively via stolons. The ability of *H. aurantiacum* to grow in a range of conditions - it is both snow and frost tolerant, and can grow in gravelly and acidic soils, full sun through to part shade and semi-arid through to humid environments - increases its invasiveness. *H. aurantiacum* has been known to invade disturbed ecosystems, roadsides, grasslands, pastures, open forests, alpine meadows and other mountain habitats. *H. aurantiacum* has been described as a 'sleeper weed' in Australia, i.e., a weed that spreads significantly and grows significantly in population many years (usually 50+ years) after naturalisation.



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

### Management Info

*Hieracium aurantiacum* is considered a weed in Australia, the United States, Canada and New Zealand. It is thought that early detection and eradication is the most effective method for preventing *H. aurantiacum* from spreading into new areas. Control can be relatively simple if planned correctly, as *H. aurantiacum* can spread easily via seeds and stolons. *H. aurantiacum* can be managed using chemical methods, i.e. the application of herbicide (in spring for best results) followed by no mowing or slashing for at least two weeks. Plants can also be carefully dug out, ensuring no roots or runners are left behind - *H. aurantiacum* can quickly regrow from fragments. (Beaumont *et al.* 2009a; CRC 2003).

### Pathway

#### Principal source:

**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:** 2010-09-24

## ALIEN RANGE

**[1] AUSTRALIA**

**[1] FALKLAND ISLANDS (MALVINAS)**

**[1] SAINT PIERRE AND MIQUELON**

**[1] CANADA**

**[1] NEW ZEALAND**

**[6] UNITED STATES**

## BIBLIOGRAPHY

**18** references found for ***Hieracium aurantiacum***

### Management information

Beaumont, Linda J., Rachael V. Gallagher, Paul O. Downey, Wilfried Thuiller, Michelle R. Leishman and Lesley Hughes, 2009b. Modelling the impact of *Hieracium* spp. on protected areas in Australia under future climates. *Ecography* 32: 757-764, 2009

Beaumont, Linda J., Rachael V. Gallagher, Wilfried Thuiller, Paul O. Downey, Michelle R. Leishman and Lesley Hughes, 2009. Different climatic envelopes among invasive populations may lead to underestimations of current and future biological invasions. *Diversity and Distributions*, (Diversity Distrib.) (2009) 15, 409-420

[Brinkley, Tim R. and Mary Bomford, 2002. Agricultural Sleeper Weeds in Australia What is the potential threat? Bureau of Rural Sciences, PO Box E11, Kingston, ACT 2604](#)

**Summary:** Available from: <http://adl.brs.gov.au/data/warehouse/brsShop/data/PC12759.pdf> [Accessed 26 July 2010]

[CRC, 2003. Weed Management Guide: Orange hawkweed \(\*Hieracium aurantiacum\*\)](#)

**Summary:** Available from: <http://www.weeds.gov.au/publications/guidelines/alert/pubs/h-aurantiacum.pdf> [Accessed 26 July 2010]

Glanznig, A. and Kessal, O. 2004. Invasive Plants of National Importance and their Legal Status by State and Territory. WWF Australia: Sydney

Groves, R. H., 2006. Are some weeds sleeping? Some concepts and reasons. *Euphytica* Volume 148, Numbers 1-2, 111-120

Hauser, Cindy E. and Michael A. McCarthy, 2009. Streamlining search and destroy : cost-effective surveillance for invasive species management. *Ecology Letters*, (2009) 12: 683-692

[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.

[Washington State Department of Agriculture, 2009. 2009 Washington State Noxious Weed List](#)

**Summary:** Available from: <http://www.nwcb.wa.gov/documents/weed%20lists/State%20Weed%20List%202009.pdf> [Accessed 26 July 2010]

[Williams, N.S.G., Hahs, A.K., Morgan, J.W. and Holland, K.D. 2007. A dispersal constrained habitat suitability model for Orange Hawkweed \(\*Hieracium aurantiacum\*\) on the Bogong High Plains, Victoria. Parks Victoria Technical Report No. 38. Parks Victoria, Melbourne.](#)

**Summary:** Available from: [http://svc015.wic028p.server-web.com/resources/19\\_2070.pdf](http://svc015.wic028p.server-web.com/resources/19_2070.pdf) [Accessed 26 July 2010]

[Wilson, Linda M., 2006. Key to Identification of Invasive and Native Hawkweeds \(\*Hieracium\* spp.\) in the Pacific Northwest. B. C. Min. For. Prac. Br., Kamloops, B.C.](#)

**Summary:** Available from:

<http://www.cals.uidaho.edu/hawkweed/pdf/Key%20to%20ID%20Native%20Hawkweeds%20of%20PNW%20Linda%20Wilson.pdf> [Accessed 26 July 2010]

### General information

[Global Compendium of Weeds \(GCW\) 2007. \*Hieracium aurantiacum\* \(Asteraceae\).](#)

**Summary:** Available from: [http://www.hear.org/gcw/species/hieracium\\_aurantiacum/](http://www.hear.org/gcw/species/hieracium_aurantiacum/) [Accessed 21 September 2010]

[Integrated Taxonomic Information System \(ITIS\), 2010. \*Hieracium aurantiacum\* L.](#)

**Summary:** Available from: [http://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=37697](http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=37697) [Accessed 26 July 2010]

[Jones, Alexis; Crone, Elizabeth, 2009. The effect of disturbance history on hawkweed invasion \(Montana\) Ecological Restoration. 27:2: 139-141.](#)

**Summary:** Available from: [http://www.fs.fed.us/rm/pubs\\_other/rmrss\\_2009\\_jones\\_a001.pdf](http://www.fs.fed.us/rm/pubs_other/rmrss_2009_jones_a001.pdf) [Accessed 26 July 2010]

McDougall, Keith L., John W. Morgan, Neville G. Walsh, Richard J. Williams, 2005. Plant invasions in treeless vegetation of the Australian Alps. *Perspectives in Plant Ecology, Evolution and Systematics* 7 (2005) 159-171

[USDA-ARS, 2010. Taxon: \*Hieracium aurantiacum\* L. 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?104345> [Accessed 26 July 2010]

[USDA-NRCS, 2010. \*Hieracium aurantiacum\* L. orange hawkweed. The PLANTS Database \(<http://plants.usda.gov>, 7 September 2010\). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.](#)

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

Williams S. G. Nicholas, Amy K. Hahs and John W. Morgan, 2008. A dispersal-constrained habitat suitability model for predicting invasion of alpine vegetation. *Ecological Applications*, 18(2), 2008, pp. 347-359