

## *Oxalis corniculata*

**System:** Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Magnoliopsida	Geraniales	Oxalidaceae

### Common name

agsom (Chamorro), matakoni (Fijian), vinagrillo (Spanish), trevo-azedo (English), chulco (Spanish), hierba de la perdiz (Spanish), yellow oxalis (English), gougus (Yapese), creeping woods (English), kanapa (Bontok), creeping oxalis (English), malabalug-dagis (Pampangan), omis (Palauan), sheep sorrel (English), apsom (Chamorro), creeping yellow oxalis (English), rongomi (Fijian), 'ihi maka 'ula (Hawaiian), 'ihi makole (Hawaiian), petit trèfle (French), pikhik (Ibatan), salamagi (Bontok), creeping wood sorrel (English), creeping lady's sorrel (English), wood sorrel (English), acederilla (Spanish), marasiksik (Ilocano), kihikihi (Tongan), taingang-daga (Tagalog), kihikihi (Niuean), koki'i kura (Cook Islands), pied de pigeon (French), trêso-corações (English), daraisig (Bicolano), procumbent yellow sorrel (English), oxalis (English), acedera (Spanish), totowiwi (Fijian), clover sorrel (English), kavakava (Cook Islands), yellow wood sorrel (English), katabami (Japanese), 'i'i (Samoan), koki'i (Cook Islands), patoa 'ava'ava (Tahitian), trêbol (Spanish), sour grass (English), agrito (Spanish), oseille filante (French), azedinha (English), trêfle jaune (French), a'aa'a (Samoan), 'ihi 'ai (Hawaiian), 'ihi 'awa (Hawaiian), 'ii (Samoan)

### Synonym

*Acetosella corniculata* , (L.) Kuntze  
*Oxalis corniculata* , var. *atropurpurea* Planch.  
*Oxalis corniculata* , var. *langloisii* (Small) Wieg.  
*Oxalis corniculata* , var. *lupulina* (R. Knuth) Zucc.  
*Oxalis corniculata* , var. *macrophylla* Arsene ex R. Knuth  
*Oxalis corniculata* , var. *minor* Laing  
*Oxalis corniculata* , var. *reptans* Laing  
*Oxalis corniculata* , var. *villosa* (Bieb.) Hohen.  
*Oxalis corniculata* , var. *viscidula* Wieg.  
*Oxalis pusilla* , Salisb.  
*Oxalis langloisii* , (Small) Fedde  
*Oxalis repens* , Thunb.  
*Oxalis villosa* , Bieb.  
*Xanthoxalis corniculata* , (L.) Small  
*Xanthoxalis corniculata* , var. *atropurpurea* (Planch.) Moldenke  
*Xanthoxalis langloisii* , Small  
*Xanthoxalis repens* , (Thunb.) Moldenke

### Similar species

### Summary

*Oxalis corniculata* is a cosmopolitan herb that is found worldwide. Spread of this species is due to high production of fertile seeds and its presence on all continents and many islands indicates that seeds are probably carried by birds. *O. corniculata* is thought to be invasive in many areas: Australasia-Pacific (such as Australia, Cook Islands, Fiji, Hawaii, French Polynesia, Palau, U.S. Minor Outlying Islands), Asia (such as Cambodia, China, Indonesia, Japan, South Korea), Central America (Cayman Islands) and North America (Canada).



## Species Description

A caespitose or creeping herb, *Oxalis corniculata* has stems growing upto 50 cm in length. It has fine hair (pilose) on the stems, petioles and leaflet blades. The stipules of this herb are usually present but inconspicuous, where it grows to 3 mm long. The petioles are 1 - 6 cm long; the leaflets subsessile, subequal and blades obcordate, 4- 20 mm long and broad. Inflorescences, 1-6 are flowered, are usually 2 - 7 cm long. The petals are yellow and are somewhat larger than the sepals (PIER 2007).

## Notes

Subordinate taxa of *O. corniculata* include *O. corniculata corniculata* and *O. corniculata* var. *atropurpurea*. (ITIS 2009; USDA ARS 2009).

## Habitat Description

*Oxalis corniculata*, being cosmopolitan in its distribution and having high production in fertile seed, can be found at home in gardens, lawns, arable land and pastures. In Hawaii, it occurs particularly in the open, disturbed sites in coastal and subalpine habitats at elevations of 0 - 2300 m above sea level. In Fiji, on the otherhand, it is a common plant along roads and trails at elevations from near sea level to about 750 metres. Regardless of area, it has been noticed as an invasive and weedy plant.

## 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:** 2010-06-08

## ALIEN RANGE

[4] AMERICAN SAMOA  
[2] AUSTRALIA  
[1] CAMBODIA  
[2] CAYMAN ISLANDS  
[1] CHINA  
[1] COLOMBIA  
[1] COSTA RICA  
[5] FIJI  
[1] GUATEMALA  
[2] JAPAN  
[1] MALAYSIA  
[1] MAURITIUS  
[1] NEW CALEDONIA  
[1] NIUE  
[1] PAPUA NEW GUINEA  
[1] PHILIPPINES  
[3] SAINT HELENA  
[1] SEYCHELLES  
[1] THAILAND  
[9] UNITED STATES  
[1] VANUATU  
[1] WALLIS AND FUTUNA

[1] ANGUILLA  
[1] BERMUDA  
[1] CANADA  
[1] CHILE  
[1] CHRISTMAS ISLAND  
[6] COOK ISLANDS  
[1] EL SALVADOR  
[15] FRENCH POLYNESIA  
[1] INDONESIA  
[1] KOREA, REPUBLIC OF  
[1] MARSHALL ISLANDS  
[1] MEXICO  
[3] NEW ZEALAND  
[1] NORTHERN MARIANA ISLANDS  
[1] PERU  
[1] PITCAIRN  
[1] SAMOA  
[1] TAIWAN  
[4] TONGA  
[1] UNITED STATES MINOR OUTLYING ISLANDS  
[1] VIET NAM

## BIBLIOGRAPHY

### 15 references found for *Oxalis corniculata*

#### Management information

Bermuda Natural History Museum, undated. Bermuda species database Bermuda Natural History Museum, PO Box FL 145, Flatts, FL BX, Bermuda.

[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

Chen Ming-lin; Liu Deng-yi; Li Shan-shan, 2007. Observation of micromorphological characters of five species in *Oxalis*. Journal of Plant Resources & Environment. 16(3). AUG 2007. 7-18.

de Abreu, Maria Carolina; de Carvalho, Reginaldo; de Sales, Margareth Ferreira, 2008. *Oxalis* L. (Oxalidaceae) in Pernambuco State, Brazil. Acta Botanica Brasilica. 22(2). APR-JUN 2008. 399-416.

Dreyer, L. L.; Esler, K. J.; Zietsman, J., 2006. Flowering phenology of South African *Oxalis* - possible indicator of climate change? South African Journal of Botany. 72(1). FEB 2006. 150-156.

Grostad, Trond; Halvorsen, Roger, 2006. Yellow-flowering *Oxalis* species in Norway. Blyttia. 64(3). 2006. 191-197.

[ITIS \(Integrated Taxonomic Information System\), 2009. Online Database \*Oxalis corniculata\* L.](#)

**Summary:** An online database that provides taxonomic information as well as common names and geographical ranges. Available from : [http://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=29067](http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=29067) [Accessed 1 July 2009]

M. Walker pers comm. 2004.

**Summary:** Mary Walker is currently completing a book on the flora of Anguilla

[PIER \(Pacific Island Ecosystems at Risk\), 2007. \*Oxalis corniculata\* L.](#)

**Summary:** Available from: [http://www.hear.org/Pier/species/Oxalis\\_corniculata.htm](http://www.hear.org/Pier/species/Oxalis_corniculata.htm) [Accessed 1 July 2009]

Proctor G.R. 1996. Additions and corrections to Flora of the Cayman Islands . Kew Bulletin 51: 483-507

Ryan P.G., Glass J.P. 2001. Inaccessible Island Nature Reserve Management Plan. Government of Tristan da Cunha, Edinvargh, Tristan da Cunha.

Small, John K., 1896. A Neglected Species of *Oxalis* and Its Relatives. Bulletin of the Torrey Botanical Club, Vol. 23, No. 7 (Jul. 20, 1896), pp. 265-269

Sykes, W. R., 2009. The *Oxalis corniculata* group. New Zealand Journal of Botany. 47(2). JUN 2009. 107-113.

[USDA, ARS, 2009. Taxon: \*Oxalis corniculata\* 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?26196> [Accessed 1 July 2009]

Witting, Ruediger; Wittig, Monika, 2009. Plant communities on trampled sites in villages of Nordrhein-Westfalen. Tuexenia.(29). 2009. 215-235.