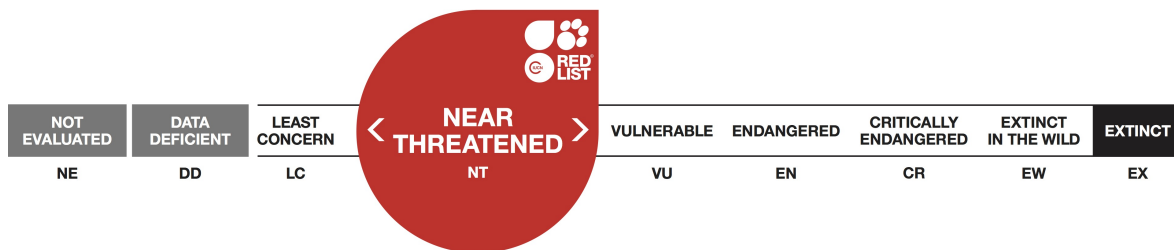


## *Canariola willemsei*, Tenerife Laurel Bush-cricket

Assessment by: Hochkirch, A.



View on [www.iucnredlist.org](http://www.iucnredlist.org)

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Insecta	Orthoptera	Tettigoniidae

**Taxon Name:** *Canariola willemsei* Morales-Agacino, 1959

### Common Name(s):

- English: Tenerife Laurel Bush-cricket

### Taxonomic Source(s):

Eades, D.C., Otte, D., Cigliano, M.M. and Braun, H. 2016. Orthoptera Species File. Version 5.0/5.0. Available at: <http://Orthoptera.SpeciesFile.org>.

### Taxonomic Notes:

The status of this species and its relationship with *Canariola nubigena* needs to be studied. Both species are flightless, but overlapping ranges have been documented. *Canariola willemsei* has even been documented from two islands (La Gomera and Tenerife).

## Assessment Information

**Red List Category & Criteria:** Near Threatened [ver 3.1](#)

**Year Published:** 2016

**Date Assessed:** May 2, 2016

### Justification:

The Tenerife Laurel Bush-cricket (*Canariola willemsei*) occurs in forests of Tenerife and La Gomera. Its extent of occurrence (EOO) is between 619 - 1,500 km<sup>2</sup>, and its area of occupancy (AOO) is between 12 - 500 km<sup>2</sup>. Even though the currently known number of locations is small (three), it is believed to be wider distributed. As it is close to qualify as threatened under Criterion B, it is assessed as Near Threatened. Further research on its taxonomy, population size and trend, habitats and ecology and threats is needed.

### Previously Published Red List Assessments

2012 – Near Threatened (NT) – <http://dx.doi.org/10.2305/IUCN.UK.2012.RLTS.T16895588A16896993.en>

## Geographic Range

### Range Description:

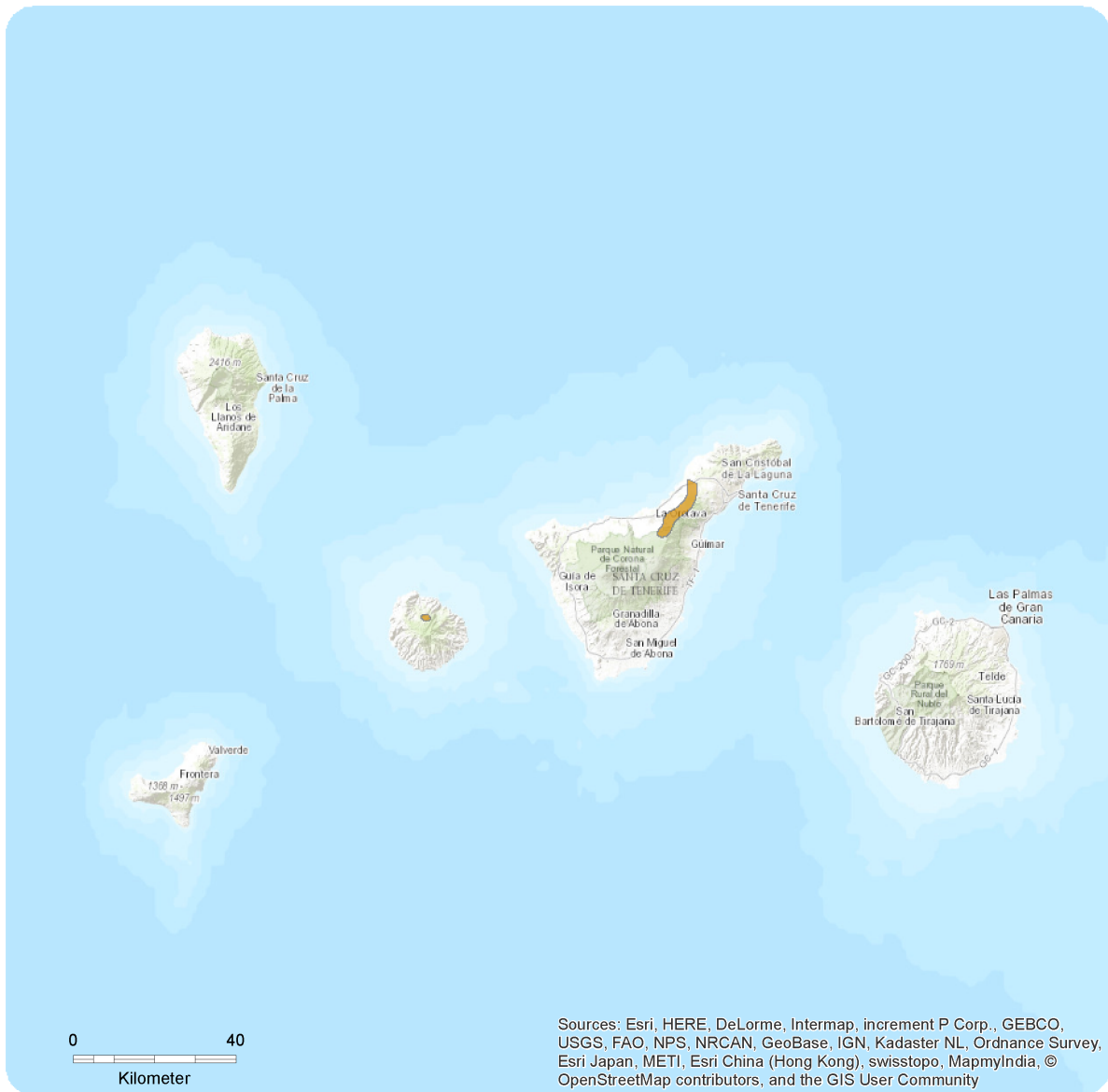
This species is endemic to La Gomera and Tenerife (Canary Islands, Spain) (Bland *et al.* 1996). Its known extent of occurrence (EOO) is 381 km<sup>2</sup>, but its distribution is poorly documented and it may be more widespread. The maximum estimate of its EOO is 1,500 km<sup>2</sup>. The known area of occupancy (AOO) is 12 km<sup>2</sup>, with a maximum estimate of 500 km<sup>2</sup>.

**Country Occurrence:**

**Native:** Spain (Canary Is.)

# Distribution Map

*Canariola willemse*



## Range

Extant (resident)

## Compiled by:

SSC Grasshopper Specialist Group



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.



## Population

There is no information available on the population size and trend of the species.

**Current Population Trend:** Unknown

## Habitat and Ecology (see Appendix for additional information)

*Canariola willemsei* is an arboreal species that occurs in laurel forests. Its altitudinal range is 500 - 1,100 m.

**Systems:** Terrestrial

## Use and Trade

This species is not utilised.

## Threats (see Appendix for additional information)

The threats to this species are poorly understood. It may be threatened by increasing wildfire frequencies, but also by natural causes such as volcanism and landslides. The number of localities based upon the threat of wildfires is three, but it is probably wider distributed.

## Conservation Actions (see Appendix for additional information)

There are no specific conservation actions in place for this species, but large parts of its habitat occur in protected areas. Research on its taxonomy, ecology, distribution, population trend and threats is needed.

## Credits

**Assessor(s):** Hochkirch, A.

**Reviewer(s):** Odé, B. & García, M.

**Contributor(s):** Jakobs, D. & Kranz, M.

## Bibliography

Bland, R.G., Gangwere, S.K. and Morales Martin, M. 1996. An Annotated List of the Orthoptera (sens. lat.) of the Canary Islands. *Journal of Orthoptera Research* 5: 159-173.

IUCN. 2016. The IUCN Red List of Threatened Species. Version 2016-3. Available at: [www.iucnredlist.org](http://www.iucnredlist.org). (Accessed: 07 December 2016).

## Citation

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## External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

# Appendix

## Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.4. Forest - Temperate	Resident	Suitable	Yes

## Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
10. Geological events -> 10.1. Volcanoes	Past, likely to return	Minority (50%)	Very rapid declines	Past impact
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
10. Geological events -> 10.3. Avalanches/landslides	Past, likely to return	Minority (50%)	Very rapid declines	Past impact
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Ongoing	Minority (50%)	Rapid declines	Medium impact: 6
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		

## Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: Yes

## Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
1. Research -> 1.1. Taxonomy
1. Research -> 1.2. Population size, distribution & trends

<b>Research Needed</b>
1. Research -> 1.3. Life history & ecology
1. Research -> 1.5. Threats

## Additional Data Fields

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 12-500
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 619-1500
Lower elevation limit (m): 500
Upper elevation limit (m): 1100

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