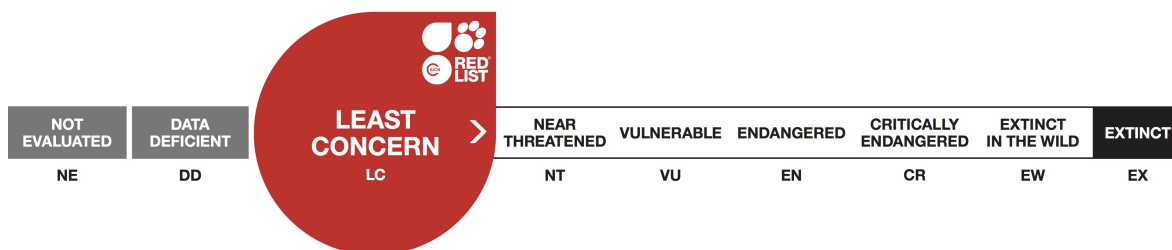


Omocestus simonyi, Purpurarian Grasshopper

Assessment by: Hochkirch, A.



View on www.iucnredlist.org

Citation: Hochkirch, A. 2016. *Omocestus simonyi*. *The IUCN Red List of Threatened Species 2016*: e.T16084450A74509111. <http://dx.doi.org/10.2305/IUCN.UK.2016-3.RLTS.T16084450A74509111.en>

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If you see any errors or have any questions or suggestions on what is shown in this document, please provide us with [feedback](#) so that we can correct or extend the information provided.

Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Insecta	Orthoptera	Acrididae

Taxon Name: *Omocestus simonyi* (Krauss, 1892)

Synonym(s):

- *Stenobothrus simonyi* Krauss, 1892

Common Name(s):

- English: Purpurarian Grasshopper

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>.

Assessment Information

Red List Category & Criteria: Least Concern [ver 3.1](#)

Year Published: 2016

Date Assessed: April 27, 2016

Justification:

The Purpurarian Grasshopper is common on Lanzarote and Fuerteventura, where it occurs in many open habitats with grass vegetation. Even though the species has a small extent of occurrence (EOO), it is very common throughout its range. It is therefore assessed as Least Concern.

Previously Published Red List Assessments

2012 – Least Concern (LC) – <http://dx.doi.org/10.2305/IUCN.UK.2012.RLTS.T16084450A17276018.en>

Geographic Range

Range Description:

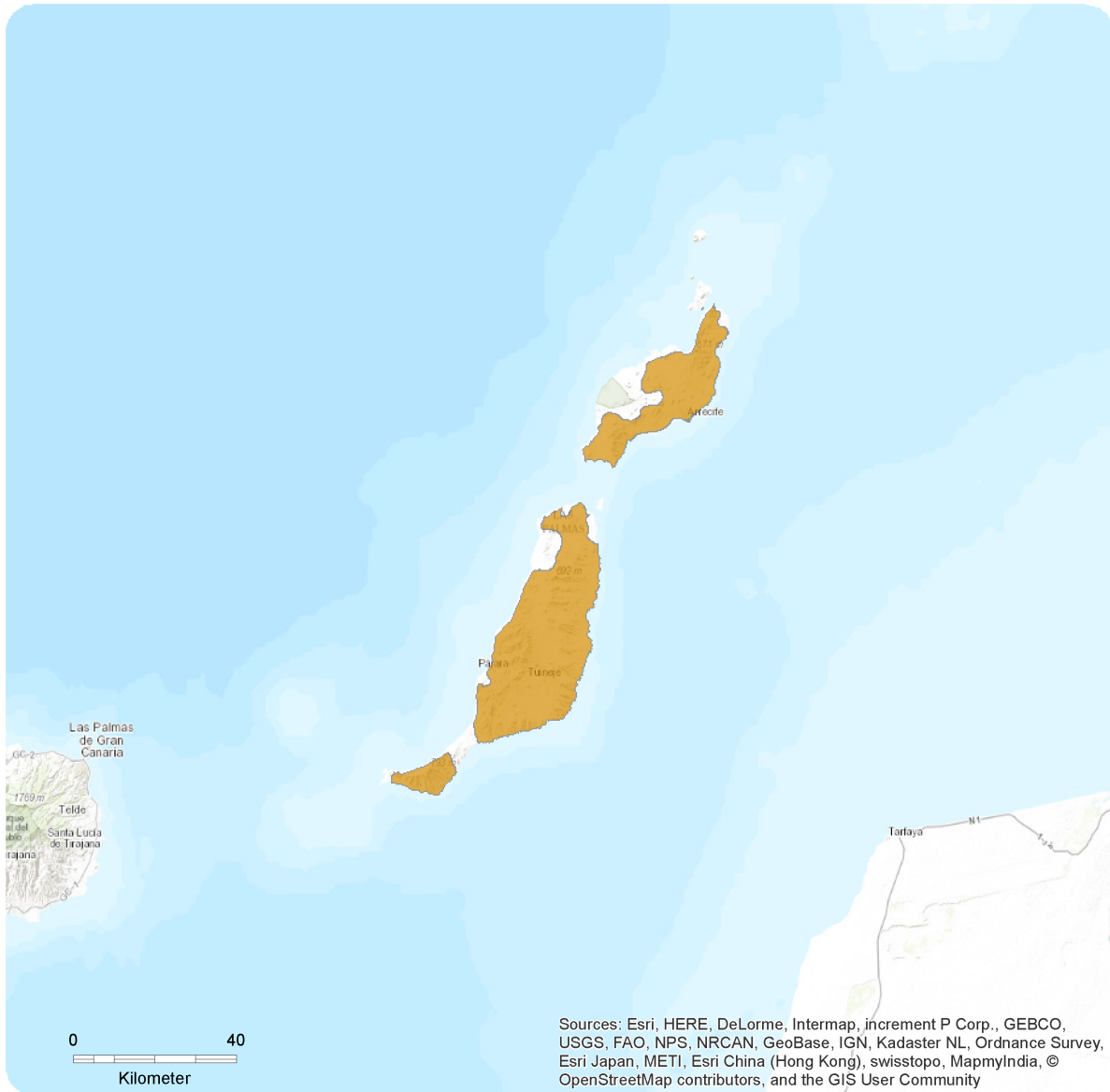
The Purpurarian Grasshopper is endemic to Lanzarote and Fuerteventura (Hochkirch 2003, Husemann and Hochkirch 2007). Its extent of occurrence (EOO) is c. 4,200 km².

Country Occurrence:

Native: Spain (Canary Is.)

Distribution Map

Omocestus simonyi

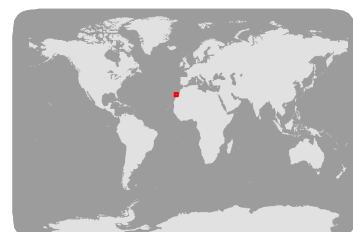


Range

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

The species is widespread and common on Lanzarote and Fuerteventura. The population trend is unknown.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

This species is very common in open grassland habitats. Its elevation limit is 0 - 600 m.

Systems: Terrestrial

Use and Trade

This species is not utilised.

Threats (see Appendix for additional information)

Goat grazing is common on Fuerteventura and Lanzarote, but the effects on this species remain poorly understood. In some areas the species may be threatened by touristic and urban development. Furthermore, there is still active volcanism on Lanzarote, which may threaten some subpopulations.

Conservation Actions (see Appendix for additional information)

No specific conservation action is in place for this species, but it occurs in several protected areas throughout its range. More research into its population trend, ecology and threats is required.

Credits

Assessor(s): Hochkirch, A.

Reviewer(s): Odé, B. & García, M.

Contributor(s): Jakobs, D.

Bibliography

Hochkirch, A. 2003. Earth, Wind and Fire - Die Heuschrecken von Lanzarote (Insecta: Orthoptera). *Verhandlungen des Westdeutschen Entomologentages* 15: 71-84.

Husemann M. and Hochkirch A. 2007. Notizen zur Heuschreckenfauna (Insecta, Orthoptera) von Fuerteventura (Kanarische Inseln, Spanien). *Entomologie heute* 19: 59-74.

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

Citation

Hochkirch, A. 2016. *Omocestus simonyi*. *The IUCN Red List of Threatened Species 2016*: e.T16084450A74509111. <http://dx.doi.org/10.2305/IUCN.UK.2016-3.RLTS.T16084450A74509111.en>

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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?
4. Grassland -> 4.5. Grassland - Subtropical/Tropical Dry	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		
1. Residential & commercial development -> 1.1. Housing & urban areas	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		
1. Residential & commercial development -> 1.3. Tourism & recreation areas	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		
2. Agriculture & aquaculture -> 2.3. Livestock farming & ranching -> 2.3.2. Small-holder grazing, ranching or farming	Ongoing	Majority (50-90%)	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		

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 -> 1.2. Population size, distribution & trends
1. Research -> 1.3. Life history & ecology
1. Research -> 1.5. Threats

Additional Data Fields

Distribution
Estimated extent of occurrence (EOO) (km ²): 4220
Lower elevation limit (m): 0
Upper elevation limit (m): 600

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