



## **UK priority species pages – Version 2**

To find out more about the JNCC priority species pages visit <http://www.jncc.gov.uk/page-5161>

To find out more about JNCC visit <http://www.jncc.gov.uk/page-1729>

**SPECIES PAGES FOR 2007 UK BAP PRIORITY SPECIES**

(see endnotes for an explanation of the various components of this compilation).

**Chrysis fulgida Linnaeus, 1761**

**Ruby-tailed Wasp**

**1 General information**

Level 1	Terrestrial invertebrates
Level 2	wasp
On 1997 UK BAP list	Species Action Plan

**2 UK BAP criteria<sup>i</sup>**

1. International threat	2. International responsibility (2a) + moderate decline in UK (2b)	3. Marked decline in the UK	4. Other important factor(s)
False	False	False	True

**3 Evidence for Criteria<sup>ii</sup>**

Criterion 1	
Criterion 2a	
Criterion 2b	
Criterion 3	
Criterion 4	An existing `old` Priority Species, where factors that caused the original decline are still operating or the species population has not recovered to long term viability

**4 Distribution by Country**

England	Scotland	Wales	Northern Ireland	International Waters
Y	N	Y	N	

**5 Distribution Information**

Distribution data source	Stage 1 information, BAP 2005 reporting and NBN Gateway
Distribution data notes	
number of sites (where less than or equal to 10)	3
Units used for number of sites	Site(s) / population(s)

## 6 Actions identified by experts<sup>iii</sup>

Action number	Action text	Reporting category
1	Requires aspen / creeping willow scrub on heathland or in open woodland: appropriate management needed.	Species-specific management action
2	Survey is needed to find any new sites, monitoring is needed to understand the status of the species at existing sites. This data is needed to allow reporting against success criteria.	Species-specific monitoring/survey

## 7 Signpost to Priority Habitat<sup>iv</sup>

Priority Habitat Name
Heath: Lowland Heathland

## 8 Additional information from specialists<sup>v</sup>

Attribute	Value
NBN current scientific name	Chrysis fulgida
NBN common name	Ruby-tailed Wasp
classification level 1	Terrestrial invertebrates
classification level 2	wasp
Crit 1 Global threat	Unknown
Crit 1 European threat	Unknown
Crit 1 Supporting info	Review of European status of all UK aculeates, due 2006
Crit 3 supporting info	More restricted than historically due to loss of integrity of habitat/host matrix. Autecology better understood, so recording easier.
Crit 4 other important factors	
Sources	Edwards, R., ed. 1997. Provisional atlas of the aculeate Hymenoptera of Britain and Ireland. Part 1, pg 118 Bees, Wasps and Ants Recording Society.ACG Reports 1999-2004UK BAP
Quality	Existing information reliable.



## 10 Species designations<sup>vi</sup>

Abbreviation	Reporting Category	Designation	Designation description	Year	Source	Comment
England NERC S.41	Biodiversity Lists - England	England NERC S.41	Species “of principal importance for the purpose of conserving biodiversity” covered under section 41 (England) of the NERC Act (2006) and therefore need to be taken into consideration by a public body when performing any of its functions with a view to conserving biodiversity.	2008	Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (section 41) and Wales (section 42)	Geographic constraint=Listing is for England only
Wales NERC S.42	Biodiversity Lists - Wales	Wales NERC S.42	Species “of principal importance for the purpose of conserving biodiversity” covered under Section 42 (Wales) of the NERC Act (2006) and therefore need to be taken into consideration by a public body when performing any of its functions with a view to conserving biodiversity.	2009	Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (section 41) and Wales (section 42)	Geographic constraint=Listing is for Wales only
BAP:2007	Biodiversity Action Plan UK list of priority species	Priority Species	The UK List of Priority Species and Habitats contains 1150 species and 65 habitats that have been listed as priorities for conservation action under the UK	2007	UK list of Priority Habitats and Species	status on former BAP list: Species Action Plan

			Biodiversity Action Plan (UK BAP).			
RedList_GB_Pre94:EN	Red Listing based on pre 1994 IUCN guidelines	Endangered	Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating. Superseded by new IUCN categories in 1994, but still applicable to lists that have not been reviewed since 1994.	1991	A review of the scarce and threatened bees, wasps and ants of Great Britain (Falk, S.J.)	pre 1994 IUCN criteria

## UK BAP 2008 reporting<sup>vii</sup>

(nb this only applies to species on the original 1997 UK BAP priority species list)

### 11 General status

Country	Attribute	Value
England		
	Date	2008
	Status unknown	No
	Value	2
	Units	Site(s) / population(s)
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	BWARS data set available via NBN. M. Edwards (pers. comm.) provided details of discovery of wasp using trap nests in West Sussex in 2007 increasing area of occupancy of London Basin Heaths population.
	Edits made by reporting group	
UK		
	Date	2008
	Status unknown	No
	Value	3
	Units	Site(s) / population(s)
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Yes
	Refer to LBAP	No

	data	
	Data source / comments	BWARS data set available via NBN. Hymettus Annual Report 2006 gives details of first discovery of wasp from Pembrey, S.Wales in 2006. M. Edwards (pers. comm.) provided details of discovery of wasp using trap nests in West Sussex in 2007 increasing area of occupancy of London Basin Heaths population.
	Edits made by reporting group	
Wales		
	Date	2008
	Status unknown	No
	Value	1
	Units	Site(s) / population(s)
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	BWARS data set available via NBN. Hymettus Annual Report 2006 gives details of first discovery of wasp from two sites at Pembrey, S.Wales in 2006.
	Edits made by reporting group	

## 8 Trends

Country	Attribute	Value
England		
	Date	2008
	Status unknown	No
	Trend	No clear trend
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Yes

	Refer to LBAP data	No
	Edits made by reporting group	
UK		
	Date	2008
	Status unknown	No
	Trend	No clear trend
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	Apparent increase in extent of occupancy is likely to be due to improved survey technique.
	Edits made by reporting group	
Wales		
	Date	2008
	Status unknown	No
	Trend	No clear trend
	Accuracy	Partial survey
	Adequate data	No and not likely by 2011
	Data on NBN	Yes
	Refer to LBAP data	No
	Data source / comments	Apparent increase in extent of occupancy is likely to be due to improved survey technique.
	Edits made by reporting group	

## 9 Successes

Success text	Success category 1	Success category 2	England	NI	Scotland	Wales	Edits by reporting group
Discovery of Chrysuis fulgida in Wales represents a considerable extension in the known extent of occupancy of the wasp. Improved knowledge of species autecology was significant in making this discovery.	Research, survey and information	Other	No	No	No	Yes	

## 10 Threats

Threat category 1	Threat category 2	England	NI	Scotland	Wales	Edits made by reporting group
Habitat loss / degradation - woodlands/forestry	Felling / loss of trees (specific host trees / ancient trees)	Yes	No	No	Yes	
Habitat loss / degradation - woodlands/forestry	Replanting woodland with inappropriate tree species	Yes	No	No	Yes	
Habitat loss / degradation - management practice	Scrub clearance	Yes	No	No	Yes	

Habitat loss / degradation - management practice	Inappropriate water level management	Yes	No	No	Yes	
Habitat loss / degradation - management practice	Inappropriate heathland management	Yes	No	No	Yes	
Intrinsic Factors	Low population density / size	Yes	No	No	Yes	

## 15 Constraints

Rank	Constraint category 1	Constraint category 2	Constraint summary	England	NI	Scotland	Wales	Solution category	Solution summary
				Yes	No	No	Yes		
2	Funding and incentives	General lack of resources	Insufficient funding for survey, monitoring or autecological studies to inform habitat management.	Yes	No	No	Yes	Funding, resources and incentive schemes	Identify suitable sources of funding for further work

## 11 State of Knowledge

State of knowledge category	Notes	Edits made by reporting group
Knowledge sufficient to make	Still no knowledge of parasitoid search image, success rates of	

some impact, but more research needed	parasitism or full host range.	
---------------------------------------	--------------------------------	--

## ENDNOTES

<sup>i</sup> An explanation of these criteria is included at Annex 3 of [UK Biodiversity Action Plan: Report on the Species and Habitat Review](#). BRIG (ed. Ant Maddock) 2007. This review was organised in two stages. Stage 1 looked at the scientific evidence for selecting the UK List of Priority Species and Habitats while stage 2 considered the conservation action needed for these species and habitats and provided signposts to the means of implementing action.

<sup>ii</sup> The information on evidence and the species distribution is as presented on the UK BAP website. Users can download a spreadsheet of the [Stage 1 species evidence](#) from the home page of the UK BAP website.

<sup>iii</sup> Actions were assigned to each and every priority species by expert groups convened at Stage 2 of the Review process. These were subsequently categorised into “signpost categories”. This information is as shown on the UK BAP website See the link for [categorisation \(signposting\) of UK priority species](#).

<sup>iv</sup> Where a species action is clearly linked to a BAP priority habitat, the name of the relevant habitat or habitats was identified by the stage 2 expert group.

<sup>v</sup> This information has been derived from Stage 1 of the priority species review, and is presented in the “marine”, “terrestrial invertebrates” and “other terrestrial species” sheets within the spreadsheet of the [Stage 1 species evidence](#). The information presented here varies according to the taxonomic group. Please note that some of these data have been written for other Expert Group members and may not be of great value to a wider audience.

<sup>vi</sup> Information on conservation designations has been extracted from JNCC’s collation of information on [species designations](#). The designations shown in version 2 of these pages are as at December 2010.

<sup>vii</sup> As part of the 2008 UK BAP reporting round lead partners of national plans were asked to answer a number of specific questions. The data will be analysed and used for the UK and country level reports. All of the responses provided through BARS as part of the 2008 reporting exercise are available to [download](#). Note that in the December 2010 version of these pages (version 2) includes corrections to previously truncated text fields.