

A Red list for the spiders of Flanders

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Abstract

Of the 604 spider species mentioned as occurring in Flanders only about half is at moment safe or at low risk of extinction. The extinct and threatened species occur(-red) in oligotrophic grasslands, deciduous forests, heathlands and several kinds of wetland habitats.

Key words: Red list, spiders, Flanders, Belgium, habitats

Résumé

Il n'y a, aujourd'hui, que près de la moitié des 604 espèces d'araignées connues de Flandre que l'on peut considérer comme étant à l'abri ou ne présentant qu'un faible risque de disparition. Les espèces éteintes ou menacées colonisaient ou colonisent des prairies oligotrophes, des forêts décidues, des landes à bruyère et différents types d'habitats gorgés d'eau.

Mots-clés: Liste rouge, araignées, Flandre, Belgique, biotopes

Introduction

During recent years Red lists of particular taxonomic groups became more and more indispensable tools in nature conservation research. This also holds true for Flanders. As well as for the development of a modern nature conservation policy as for their use in site assessment studies such lists summarising the present status of each involved species can be very useful instruments (ALDERWEIRELDT & MAELFAIT, 1992; MAELFAIT, 1993, 1994, 1995; MAES *et al.*, 1995; VERHEYEN *et al.*, 1994).

The study of spiders in Belgium (and Flanders) began by the end of the nineteenth century with the very luxurious books treating the occurrence of these animals in Belgium by BECKER (1882, 1896). During the fifties of the twentieth century faunistic studies were resumed by J. KEKENBOSCH (Royal Belgian Institute of Natural Sciences). It was only from the seventies onwards however that a large variety of habitats distributed over the whole of the country were sampled. This was mostly done by scientists associated with the Laboratory of Ecology (University of Gent) and, later on, with the Royal Institute of Natural Sciences and with the Institute of Nature Conservation. Amateur arachnologists also contributed a lot to that inventory work. Most of these faunistic studies were published in the newsletter of the Belgian Arachno-

logical Society (ARABEL). Distribution data were gathered per species and published in catalogues per family (ALDERWEIRELDT & MAELFAIT, 1990; BAERT, 1996; DE BLAUWE & BAERT, 1981; JACOBS, 1993; JANSSEN, 1993; JANSSEN & RAERT, 1987; RANSY & BAERT, 1985, 1987a,b, 1991a,b; RANSY *et al.*, 1987, SEGERS & BAERT, 1991; VAN KEER & VANUYTVEN, 1993). The catalogue treating the subfamily of the Linyphiinae is in preparation (BAERT, in prep). These catalogues and more recent published and unpublished observations were used to assess the status of each Flemish spider species.

Material and methods

Each species mentioned as occurring in Flanders was assigned one of the following categories. These categories agree with the classification used in the Red Data Book of Germany (BINOT *et al.*, 1998) and therefore with the criteria and categories developed by the IUCN-The World Conservation Union (column RL-C in Table 1).

- **EW:** Extinct in the wild. Species not located in the wild during the last fifty years. For the spiders of Flanders these are usually species which were only mentioned for that region by Becker and for which we have no reason to doubt the correctness of the determination by that author.
- **CR:** Critical. These are species that became very rare in our region due to a drastic reduction of their habitats. These species will go extinct if the causal factors for that habitat loss continue operating.
- **EN:** Endangered. Species, that are rare because of extensive deterioration and destruction of their habitats.
- **VU:** Vulnerable. Species, that became quite uncommon because of habitat loss during the past decades.
- **RG:** Rare geographically restricted species. These are species for which Flanders lays at the northern (N), southern (S) or western (W) limit of their geographical range.
- **IN:** Indeterminate. Species assumed to be threatened but where there is not enough information to decide which of the three above-mentioned categories is appropriate
- **IK:** Insufficiently known. Species, that are suspected but not definitely known to belong to any of the above categories, because of lack of information. Also the species mentioned to occur in Flanders doubtfully.

In Table 1, the habitat for each species of the categories EW,

Table 1. – Spider species occurring in Flanders (Fl) with indication of their status and habitat choice (explanation: see text).

FAMILY, SPECIES	FL	RL-C	HABITAT
Atypidae			
<i>Atypus affinis</i> EICHWALD, 1830	FL	VU	Godts
Eresidae			
<i>Eresus cinnaberinus</i> (OLIVIER, 1789)	FL	IK	Y
<i>Eresus sandaliatus</i> (MARTINI & GOEZE, 1778)	FL	EW	Hdbs
Amaurobiidae			
<i>Amaurobius claustrarius</i> (HAHN, 1831)			
<i>Amaurobius erberi</i> (KEYSERLING, 1863)			
<i>Amaurobius fenestralis</i> (STROEM, 1768)	FL		
<i>Amaurobius ferox</i> (WALCKENAER, 1825)	FL		
<i>Amaurobius similis</i> (BLACKWALL, 1815)	FL		
Dictynidae			
<i>Altella lucida</i> (SIMON, 1871)	FL	RG	N
<i>Argenna patula</i> (SIMON, 1871)	FL	CR	Sa
<i>Argenna subnigra</i> (O.P.-CAMBRIDGE, 1861)	FL	EN	Godb
<i>Cicurina cicur</i> (FABRICIUS, 1793)	FL		
<i>Dictyna arundinacea</i> (LINNAEUS, 1758)	FL		
<i>Dictyna civica</i> (LUCAS, 1819)	FL	RG	N
<i>Dictyna latens</i> (FABRICIUS, 1775)	FL	EN	Godd
<i>Dictyna major</i> MENGE, 1869	FL	RG	S
<i>Dictyna pusilla</i> THORELL, 1856	FL	EN	Godd
<i>Dictyna uncinata</i> THORELL, 1856	FL		
<i>Lathys humilis</i> (BLACKWALL, 1855)	FL		
<i>Lathys puta</i> (O.P.-CAMBRIDGE, 1863)	FL	RG	N
<i>Mastigusa arietina</i> (THORELL, 1871)	FL	EN	Godta
<i>Mastigusa macrophthalmus</i> (KULCZYNSKI, 1896)			
<i>Nigma flavescens</i> (WALCKENAER, 1825)	FL		
<i>Nigma walckenaeri</i> (ROEWER, 1951)	FL		
Titanoecidae			
<i>Titanoeca quadriguttata</i> (HAHN, 1883)	FL	CR	Fddvs
Uloboridae			
<i>Hyptiotes paradoxus</i> (C.L. KOCH, 1831)	FL		
<i>Uloborus plumipes</i> LUCAS, 1816	FL		
<i>Uloborus walckenaerius</i> LATREILLE, 1806			
Oecobiidae			
<i>Oecobius navus</i> BLACKWALL, 1859	FL		
Zodariidae			
<i>Zodarion gallicum</i> (SIMON, 1872)	FL	IK	Y
<i>Zodarion italicum</i> (CANESTRINI, 1868)			
<i>Zodarion rubidum</i> (SIMON, 1911)	FL	RG	N
Oonopidae			
<i>Oonops domesticus</i> DE DALMAS, 1916	FL		
<i>Oonops pulcher</i> TEMPLETON, 1835	FL		
Dysderidae			
<i>Dysdera crocota</i> C.L. KOCH, 1838	FL		

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Dysdera erythrina</i> (WALCKENAER, 1802)	FL	EN	Fddd
<i>Harpactea hombergi</i> (SCOPOLI, 1763)	FL	EN	Fddd
Segestriidae			
<i>Segestria bavarica</i> C.L. KOCH, 1813	FL		
<i>Segestria florentina</i> (ROSSI, 1790)	FL		
<i>Segestria senoculata</i> (LINNAEUS, 1758)	FL		
Scytodidae			
<i>Scytodes thoracica</i> LATREILLE, 1801	FL		
Pholcidae			
<i>Pholcus phalangioides</i> (FUESSLIN, 1775)	FL		
<i>Psilochorus simoni</i> (BERLAND, 1911)	FL		
Gnaphosidae			
<i>Callilepis nocturna</i> (LINNAEUS, 1758)	FL	RG	N
<i>Drassodes cupreus</i> (BLACKWALL, 1831)	FL		
<i>Drassodes hypocrita</i> (SIMON, 1878)			
<i>Drassodes lapidosus</i> (WALCKENAER, 1802)	FL		
<i>Drassodes pubescens</i> (THORELL, 1856)	FL	EN	Godt
<i>Gnaphosa leporina</i> (L. KOCH, 1866)	FL	EN	Hw
<i>Gnaphosa lucifuga</i> (WALCKENAER, 1802)	FL	CR	Godb
<i>Gnaphosa lugubris</i> (C.L. KOCH, 1839)			
<i>Gnaphosa nigerrima</i> L. KOCH, 1877	FL	CR	Hws
<i>Gnaphosa opaca</i> HERMAN, 1879	FL	RG	N
<i>Haplodrassus dalmatensis</i> (L. KOCH, 1866)	FL	EN	Godt
<i>Haplodrassus kulczynskii</i> LOHMÄNDER, 1912			
<i>Haplodrassus moderatus</i> (KULCZYNSKI, 1897)			
<i>Haplodrassus signifer</i> (C.L. KOCH, 1839)	FL		
<i>Haplodrassus silvestris</i> (BLACKWALL, 1833)	FL	EN	Fddd
<i>Haplodrassus umbratilis</i> (L. KOCH, 1866)	FL	CR	Godts
<i>Micaria dives</i> (LUCAS, 1816)	FL	CR	Godta
<i>Micaria formicaria</i> (SUNDEVALL, 1832)			
<i>Micaria fulgens</i> (WALCKENAER, 1802)	FL	EN	Godta
<i>Micaria guttulata</i> (C.L. KOCH, 1839)			
<i>Micaria pulicaria</i> (SUNDEVALL, 1831)	FL		
<i>Micaria romana</i> L. KOCH, 1866	FL	RG	N
<i>Micaria silesiaca</i> L. KOCH, 1875	FL	RG	N
<i>Micaria subopaca</i> WESTRING, 1861	FL		
<i>Phaeoedus braccatus</i> (L. KOCH, 1866)	FL	EN	Hdb
<i>Poecilochroa conspicua</i> (L. KOCH, 1867)	FL	RG	N
<i>Poecilochroa variana</i> (C.L. KOCH, 1839)			
<i>Scotophaeus blackwalli</i> (THORELL, 1873)	FL		
<i>Scotophaeus scutulatus</i> (L. KOCH, 1866)	FL		
<i>Zelote villicus</i> (THORELL, 1875)			
<i>Zelotes aeneus</i> (SIMON, 1878)	FL	RG	N
<i>Zelotes apricorum</i> (L. KOCH, 1876)	FL	IN	X
<i>Zelotes electus</i> (C.L. KOCH, 1839)	FL	VU	Godt
<i>Zelotes erebeus</i> (THORELL, 1871)			
<i>Zelotes latreillei</i> (SIMON, 1878)	FL		

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Zelotes longipes</i> (L. KOCH, 1866)	FL	VU	Godt
<i>Zelotes lutetianus</i> (L. KOCH, 1866)	FL	EN	Gowt
<i>Zelotes pedestris</i> (C.L. KOCH, 1839)	FL	EN	Godt
<i>Zelotes petrensis</i> (C.L. KOCH, 1839)	FL	VU	Godt
<i>Zelotes praeficus</i> (L. KOCH, 1866)	FL	CR	Hdb
<i>Zelotes pseudoclivicolus</i> GRIMM, 1982			
<i>Zelotes pumilus</i> (C.L. KOCH, 1839)			
<i>Zelotes pusillus</i> (C.L. KOCH, 1833)	FL		
<i>Zelotes subterraneus</i> (C.L. KOCH, 1833)	FL		
Clubionidae			
<i>Cheiracanthium erraticum</i> (WALCKENAER, 1802)	FL		
<i>Cheiracanthium montanum</i> (L. KOCH, 1877)	FL	RG	N
<i>Cheiracanthium pennyi</i> O.P.-CAMBRIDGE, 1873	FL	RG	N
<i>Cheiracanthium puncturium</i> (VILLERS, 1789)	FL	EW	Godds
<i>Cheiracanthium virescens</i> (SUNDEVALL, 1833)	FL	EN	Godt
<i>Clubiona brevipes</i> BLACKWALL, 1811	FL		
<i>Clubiona caerulescens</i> L. KOCH, 1867	FL	EN	Fddo
<i>Clubiona compta</i> C.L. KOCH, 1839	FL		
<i>Clubiona corticalis</i> (WALCKENAER, 1802)	FL		
<i>Clubiona diversa</i> O.P.-CAMBRIDGE, 1862	FL		
<i>Clubiona frisia</i> WUNDERLICH & SCHTT, 1995	FL	VU	Godt
<i>Clubiona frutetorum</i> L. KOCH, 1867	FL		
<i>Clubiona genevensis</i> L. KOCH, 1867	FL	CR	Godr
<i>Clubiona germanica</i> THORELL, 1872	FL		
<i>Clubiona juvenis</i> SIMON, 1878	FL	CR	Mrr
<i>Clubiona lutescens</i> WESTRING, 1851	FL		
<i>Clubiona neglecta</i> O.P.-CAMBRIDGE, 1862	FL		
<i>Clubiona pallidula</i> (CLERCK, 1757)	FL		
<i>Clubiona phragmitis</i> C.L. KOCH, 1813	FL		
<i>Clubiona pseudoneglecta</i> WUNDERLICH, 1994	FL	IN	X
<i>Clubiona reclusa</i> O.P.-CAMBRIDGE, 1863	FL		
<i>Clubiona stagnatilis</i> KULCZYNSKI, 1897	FL		
<i>Clubiona subsultans</i> THORELL, 1875	FL	RG	S
<i>Clubiona subtilis</i> L. KOCH, 1867	FL		
<i>Clubiona terrestris</i> WESTRING, 1862	FL		
<i>Clubiona trivialis</i> C.L. KOCH, 1811	FL	VU	Godt
Liocranidae			
<i>Agraecina lineata</i> (SIMON, 1878)	FL	RG	N
<i>Agraecina striata</i> (KULCZYNSKI, 1882)			
<i>Agroeca brunnea</i> (BLACKWALL, 1833)	FL		
<i>Agroeca cuprea</i> MENGE, 1873	FL	EN	Godt
<i>Agroeca dentigera</i> KULCZYNSKI, 1913	FL	CR	Hws
<i>Agroeca inopina</i> O.P.-CAMBRIDGE, 1886	FL	IK	Y
<i>Agroeca lusatica</i> (L. KOCH, 1875)	FL	VU	Godd
<i>Agroeca proxima</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Apostenus fuscus</i> WESTRING, 1851	FL	EN	Fddd
<i>Liocranum rupicola</i> (WALCKENAER, 1825)	FL		

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Phrurolithus festivus</i> (C.L. KOCH, 1835)	FL		
<i>Phrurolithus minimus</i> C.L. KOCH, 1839	FL	CR	Godta
<i>Scotina celans</i> (BLACKWALL, 1811)	FL	RG	N
<i>Scotina gracilipes</i> (BLACKWALL, 1859)	FL	CR	Hdb
Zoridae			
<i>Zora nemoralis</i> (BLACKWALL, 1861)	FL	CR	Fddvs
<i>Zora silvestris</i> KULCZYNSKI, 1897	FL	EN	Hdb
<i>Zora spinimana</i> (SUNDEVALL, 1833)	FL		
Anyphaenidae			
<i>Anyphaena accentuata</i> (WALCKENAER, 1802)	FL		
Eusparassidae			
<i>Micrommata virescens</i> (CLERCK, 1757)	FL	CR	Fdww
Thomisidae			
<i>Coriarachne depressa</i> (C.L. KOCH, 1837)	FL	RG	S
<i>Diaea dorsata</i> (FABRICIUS, 1777)	FL		
<i>Heriaeus hirtus</i> (LATREILLE, 1819)	FL	RG	N
<i>Misumena vatia</i> (CLERCK, 1757)	FL	VU	Godf
<i>Misumenops tricuspidatus</i> (FABRICIUS, 1775)	FL	RG	N
<i>Ozyptila atomaria</i> (PANZER, 1810)	FL	EN	Godt
<i>Ozyptila blackwalli</i> SIMON, 1875			
<i>Ozyptila brevipes</i> (HAHN, 1831)	FL	EN	Gowt
<i>Ozyptila nigrita</i> (THORELL, 1875)	FL	CR	Godt
<i>Ozyptila praticola</i> (C.L. KOCH, 1837)	FL		
<i>Ozyptila pullata</i> (THORELL, 1875)			
<i>Ozyptila rauda</i> SIMON, 1875			
<i>Ozyptila sanctuaria</i> (O.P.-CAMBRIDGE, 1871)	FL	EN	Godt
<i>Ozyptila scabricula</i> (WESTRING, 1851)	FL	EN	Hdb
<i>Ozyptila simplex</i> (O.P.-CAMBRIDGE, 1862)	FL		
<i>Ozyptila trux</i> (BLACKWALL, 1816)	FL		
<i>Pistius truncatus</i> (PALLAS, 1772)	FL	CR	Fddo
<i>Synaema globosum</i> (FABRICIUS, 1775)	FL	RG	N
<i>Thomisus onustus</i> WALCKENAER, 1806	FL	RG	N
<i>Tmarus piger</i> (WALCKENAER, 1802)	FL	RG	N
<i>Xysticus acerbus</i> THORELL, 1872	FL	CR	Hdb
<i>Xysticus audax</i> (SCHRANK, 1803)	FL		
<i>Xysticus bifasciatus</i> C.L. KOCH, 1837	FL	CR	Godf
<i>Xysticus cristatus</i> (CLERCK, 1757)	FL		
<i>Xysticus erraticus</i> (BLACKWALL, 1831)	FL	EN	Godt
<i>Xysticus ferrugineus</i> MENGE, 1875	FL	RG	N
<i>Xysticus kempelini</i> THORELL, 1872	FL	RG	N
<i>Xysticus kochi</i> THORELL, 1872	FL		
<i>Xysticus lanio</i> C.L. KOCH, 1821	FL		
<i>Xysticus lineatus</i> (WESTRING, 1951)	FL	EW	Godd
<i>Xysticus luctator</i> L. KOCH, 1870			
<i>Xysticus luctuosus</i> (BLACKWALL, 1836)	FL	CR	Fddv
<i>Xysticus ninnii</i> THORELL, 1872	FL	EN	Godb
<i>Xysticus robustus</i> (HAHN, 1832)			

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Xysticus sabulosus</i> (HAHN, 1832)	FL	EN	Godb
<i>Xysticus striatipes</i> (L. KOCH, 1870)			
<i>Xysticus ulmi</i> (HAHN, 1832)	FL		
Philodromidae			
<i>Philodromus albidus</i> KULCZYNSKI, 1911	FL	EN	Fddv
<i>Philodromus aureolus</i> (CLERCK, 1757)	FL		
<i>Philodromus buxi</i> SIMON, 1881	FL	RG	N
<i>Philodromus cespitum</i> (WALCKENAER, 1802)	FL		
<i>Philodromus collinus</i> C.L. KOCH, 1835	FL		
<i>Philodromus dispar</i> WALCKENAER, 1825	FL		
<i>Philodromus emarginatus</i> (SCHRANK, 1803)	FL	IN	X
<i>Philodromus fallax</i> SUNDEVALL, 1833	FL	CR	Godtr
<i>Philodromus histrio</i> (LATREILLE, 1819)	FL	VU	Hdb
<i>Philodromus margaritatus</i> (CLERCK, 1757)	FL	CR	Fdwl
<i>Philodromus poecilus</i> (THORELL, 1872)			
<i>Philodromus praedatus</i> O.P.-CAMBRIDGE, 1871	FL	EN	Fddv
<i>Philodromus rufus</i> WALCKENAER, 1825	FL	RG	N
<i>Thanatus arenarius</i> THORELL, 1872			
<i>Thanatus formicinus</i> (CLERCK, 1757)	FL	IN	X
<i>Thanatus striatus</i> C.L. KOCH, 1815	FL	VU	Godt
<i>Tibellus maritimus</i> (MENGE, 1875)	FL	VU	Gowt
<i>Tibellus oblongus</i> (WALCKENAER, 1802)	FL	VU	Gowt
Salticidae			
<i>Aelurillus v-insignitus</i> (CLERCK, 1757)	FL	VU	Godd
<i>Asianellus festivus</i> (C.L. KOCH, 1831)	FL	IK	Y
<i>Ballus chalybeius</i> WALCKENAR, 1802	FL		
<i>Bianor aurocinctus</i> (OHLERT, 1865)	FL	EN	Godb
<i>Dendryphantès nidicolens</i> (WALCKENAER, 1802)			
<i>Dendryphantès rudis</i> (SUNDEVALL, 1833)	FL		
<i>Euophrys aequipes</i> (O.P.-CAMBRIDGE, 1871)	FL	VU	Godbs
<i>Euophrys aperta</i> MILLER, 1971			
<i>Euophrys erratica</i> (WALCKENAER, 1825)	FL		
<i>Euophrys frontalis</i> (WALCKENAER, 1802)	FL		
<i>Euophrys lanigera</i> (SIMON, 1871)	FL		
<i>Euophrys petrensis</i> C.L. KOCH, 1837	FL	EN	Godb
<i>Evarcha arcuata</i> (CLERCK, 1757)	FL		
<i>Evarcha falcata</i> (CLERCK, 1757)	FL		
<i>Evarcha jucunda</i> (LUCAS, 1818)	FL	IK	Y
<i>Evarcha laetabunda</i> (C.L. KOCH, 1818)	FL	EN	Hdb
<i>Hasarius adansonii</i> (SAVIGNY & AUDOUIN, 1827)	FL		
<i>Heliophanus aeneus</i> (HAHN, 1831)	FL	EW	Godbs
<i>Heliophanus auratus</i> C.L. KOCH, 1835	FL	EN	Mrr
<i>Heliophanus cupreus</i> (WALCKENAER, 1802)	FL		
<i>Heliophanus dampfi</i> SCHENKEL, 1923			
<i>Heliophanus dubius</i> C.L. KOCH, 1831	FL	RG	S
<i>Heliophanus flavipes</i> (HAHN, 1832)	FL		
<i>Heliophanus tribulosus</i> SIMON, 1868	FL	RG	N

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Leptorchestes berolinensis</i> (C.L. KOCH, 1816)			
<i>Marpissa muscosa</i> (CLERCK, 1757)	FL		
<i>Marpissa nivoyi</i> (LUCAS, 1816)	FL	EN	Godt
<i>Marpissa pomatia</i> (WALCKENAER, 1802)	FL	CR	Mrr
<i>Marpissa radiata</i> (GRUBE, 1859)	FL	VU	Mrr
<i>Myrmarachne formicaria</i> (DEGEER, 1778)	FL		
<i>Neon rayi</i> (SIMON, 1875)			
<i>Neon reticulatus</i> (BLACKWALL, 1853)	FL		
<i>Neon valentulus</i> FALCONER, 1912	FL	CR	Hws
<i>Pellenes tripunctatus</i> (WALCKENAER, 1802)	FL	EN	Godb
<i>Phlegra fasciata</i> (HAHN, 1826)	FL	VU	Godb
<i>Pseudicius encarpatus</i> (WALCKENAER, 1803)	FL	IK	Y
<i>Salticus cingulatus</i> (PANZER, 1797)	FL		
<i>Salticus scenicus</i> (CLERCK, 1757)	FL		
<i>Salticus zebraneus</i> (C.L. KOCH, 1837)	FL		
<i>Sitticus caricis</i> (WESTRING, 1861)	FL	EN	Mo
<i>Sitticus distinguendus</i> (SIMON, 1868)	FL	EN	Godb
<i>Sitticus floricola</i> (C.L. KOCH, 1837)	FL	VU	Mo
<i>Sitticus pubescens</i> (FABRICIUS, 1775)	FL		
<i>Sitticus saltator</i> O.P.-CAMBRIDGE, 1868	FL	EN	Godb
<i>Synageles hilarulus</i> (C.L. KOCH, 1816)	FL	RG	N
<i>Synageles venator</i> (LUCAS, 1836)	FL		
Oxyopidae			
<i>Oxyopes heterophthalmus</i> LATREILLE, 1801	FL	EW	Hdbs
<i>Oxyopes lineatus</i> LATREILLE, 1806	FL	RG	N
<i>Oxyopes ramosus</i> (PANZER, 1801)	FL	VU	Hd
Lycosidae			
<i>Alopecosa accentuata</i> (LATREILLE, 1817)			
<i>Alopecosa barbipes</i> (SUNDEVALL, 1833)	FL	VU	Godb
<i>Alopecosa cuneata</i> (CLERCK, 1757)	FL	VU	Godb
<i>Alopecosa cursor</i> (HAHN, 1831)	FL	EW	Hdb
<i>Alopecosa fabrilis</i> (CLERCK, 1757)	FL	EN	Godb
<i>Alopecosa inquilina</i> (CLERCK, 1757)			
<i>Alopecosa pulverulenta</i> (CLERCK, 1757)	FL		
<i>Alopecosa striatipes</i> (C.L. KOCH, 1837)			
<i>Alopecosa trabalis</i> (CLERCK, 1758)	FL	CR	Fddvs
<i>Arctosa cinerea</i> (FABRICIUS, 1777)	FL	CR	Rg
<i>Arctosa figurata</i> (SIMON, 1876)	FL	RG	N
<i>Arctosa leopardus</i> (SUNDEVALL, 1833)	FL	VU	Gowt
<i>Arctosa perita</i> (LATREILLE, 1799)	FL	EN	Godb
<i>Aulonia albimana</i> (WALCKENAER, 1805)	FL	EW	Godr
<i>Hygrolycosa rubrofasciata</i> (OHLERT, 1865)	FL	EN	Fdmot
<i>Pardosa agrestis</i> (WESTRING, 1861)	FL	EN	Rs
<i>Pardosa agricola</i> (THORELL, 1856)	FL	CR	Rg
<i>Pardosa alacris</i> (C.L. KOCH, 1833)			
<i>Pardosa amentata</i> (CLERCK, 1757)	FL		
<i>Pardosa bifasciata</i> (C.L. KOCH, 1831)			

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Pardosa hortensis</i> (THORELL, 1872)	FL	RG	N
<i>Pardosa lugubris</i> (WALCKENAER, 1802)	FL	VU	Fddv
<i>Pardosa monticola</i> (CLERCK, 1757)	FL	EN	Godg
<i>Pardosa nigriceps</i> (THORELL, 1856)	FL		
<i>Pardosa oreophila</i> SIMON, 1937			
<i>Pardosa paludicola</i> (CLERCK, 1757)	FL	EW	Mo
<i>Pardosa palustris</i> (LINNAEUS, 1758)	FL		
<i>Pardosa prativaga</i> (L. KOCH, 1870)	FL	VU	Mc
<i>Pardosa proxima</i> (C.L. KOCH, 1817)	FL	RG	N
<i>Pardosa pullata</i> (CLERCK, 1757)	FL		
<i>Pardosa purbeckensis</i> F.O.P.-CAMBRIDGE, 1895	FL	CR	Sa
<i>Pardosa saltans</i> TIPFER-HOFMANN & VON HELVERSEN, 1990	FL	VU	Fddv
<i>Pardosa sphagnicola</i> (F. DAHL, 1908)	FL	CR	Mo
<i>Pirata hygrophilus</i> THORELL, 1872	FL		
<i>Pirata knorri</i> (SCOPOLI, 1763)	FL	EW	Rg
<i>Pirata latitans</i> (BLACKWALL, 1811)	FL		
<i>Pirata piraticus</i> (CLERCK, 1757)	FL		
<i>Pirata piscatorius</i> (CLERCK, 1757)	FL	EN	Mo
<i>Pirata tenuitarsis</i> SIMON, 1876	FL	CR	Mo
<i>Pirata uliginosus</i> (THORELL, 1872)	FL	CR	Hws
<i>Tricca lutetiana</i> (SIMON, 1876)			
<i>Trochosa robusta</i> (SIMON, 1876)	FL	CR	Godl
<i>Trochosa rucicola</i> (DEGEER, 1778)	FL		
<i>Trochosa spinipalpis</i> (F.O.P.-CAMBRIDGE, 1895)	FL	VU	Gowt
<i>Trochosa terricola</i> THORELL, 1856	FL		
<i>Xerolycosa miniata</i> (C.L. KOCH, 1831)	FL	EN	Godb
<i>Xerolycosa nemoralis</i> (WESTRING, 1861)	FL	VU	Fddv
Pisauridae			
<i>Dolomedes fimbriatus</i> (CLERCK, 1757)	FL	CR	Mo
<i>Dolomedes plantarius</i> (CLERCK, 1757)	FL	CR	Wed
<i>Pisaura mirabilis</i> (CLERCK, 1757)	FL		
Cybaeidae			
<i>Argyroneta aquatica</i> (CLERCK, 1757)	FL	VU	Wes
<i>Cybaeus angustarium</i> L. KOCH, 1868	FL	IK	Y
Agelenidae			
<i>Agelena gracilens</i> C.L. KOCH, 1811	FL	IN	X
<i>Agelena labyrinthica</i> (CLERCK, 1757)	FL		
<i>Coelotes atropos</i> (WALCKENAER, 1825)	FL	IK	Y
<i>Coelotes inermis</i> (L. KOCH, 1855)	FL	RG	N
<i>Coelotes terrestris</i> (WIDER, 1831)	FL	VU	Fddd
<i>Cryphoeca silvicola</i> (C.L. KOCH, 1831)	FL	EN	Fddd
<i>Histopona torpida</i> (C.L. KOCH, 1831)	FL	RG	N
<i>Tegenaria agrestis</i> (WALCKENAER, 1802)	FL		
<i>Tegenaria atrica</i> C.L. KOCH, 1813	FL		
<i>Tegenaria domestica</i> (CLERCK, 1757)	FL		
<i>Tegenaria ferruginea</i> (PANZER, 1801)	FL		
<i>Tegenaria pagana</i> C.L. KOCH, 1811	FL	IK	Y

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Tegenaria parietina</i> (FOURCROY, 1785)	FL		
<i>Tegenaria picta</i> SIMON, 1870	FL		
<i>Tegenaria saeva</i> BLACKWALL, 1811	FL		
<i>Tegenaria silvestris</i> L. KOCH, 1872	FL	VU	Fddd
<i>Textrix caudata</i> L. KOCH, 1872	FL		
<i>Textrix denticulata</i> (OLMIER, 1789)	FL		
Hahniidae			
<i>Antistea elegans</i> (BLACKWALL, 1811)	FL		
<i>Hahnica candida</i> SIMON, 1875	FL	RG	N
<i>Hahnica helveola</i> SIMON, 1875	FL	VU	Fddd
<i>Hahnica montana</i> (BLACKWALL, 1811)	FL		
<i>Hahnica nava</i> (BLACKWALL, 1811)	FL	EN	Godr
<i>Hahnica ononidum</i> SIMON, 1875			
<i>Hahnica pusilla</i> C.L. KOCH, 1811	FL	IN	X
Mimetidae			
<i>Ero aphana</i> (WALCKENAER, 1802)	FL	RG	N
<i>Ero cambridgei</i> KULCZYNSKI, 1911	FL		
<i>Ero furcata</i> (VILLERS 1789)	FL		
<i>Ero tuberculata</i> (DEGEER, 1778)	FL	VU	Godd
Theridiidae			
<i>Achaearanea lunata</i> (CLERCK, 1757)	FL		
<i>Achaearanea riparia</i> (BLACKWALL, 1831)	FL	VU	Godba
<i>Achaearanea simulans</i> (THORELL, 1875)	FL		
<i>Achaearanea tepidariorum</i> (C.L. KOCH, 1811)	FL		
<i>Achaearanea veruculata</i> (URQUHART, 1885)	FL		
<i>Anelosimus aulicus</i> (C.L. KOCH, 1838)	FL	RG	N
<i>Anelosimus pulchellus</i> (WALCKENAER, 1802)	FL	RG	N
<i>Anelosimus vittatus</i> (C.L. KOCH, 1836)	FL		
<i>Carniella brignolii</i> THALER & STEINBERGER, 1988			
<i>Crustulina guttata</i> (WIDER, 1831)	FL	VU	Godt
<i>Crustulina sticta</i> (O.P.-CAMBRIDGE, 1861)	FL	CR	Mo
<i>Dipoena coracina</i> (C.L. KOCH, 1811)			
<i>Dipoena erythropus</i> (SIMON, 1881)			
<i>Dipoena inornata</i> (O.P.-CAMBRIDGE, 1861)	FL	CR	Hd
<i>Dipoena melanogaster</i> (C.L. KOCH, 1815)	FL	EN	Godd
<i>Dipoena prona</i> (MENGE, 1868)	FL	EN	Godd
<i>Dipoena tristis</i> (HAHN, 1833)	FL	CR	Godd
<i>Enoplognatha pallens</i> BLACKWALL, 1831	FL		
<i>Enoplognatha latimana</i> HIPPA & OKSALA, 1982	FL		
<i>Enoplognatha mordax</i> (THORELL, 1875)	FL	VU	Godd
<i>Enoplognatha oelandica</i> (THORELL, 1875)	FL	EN	Godd
<i>Enoplognatha ovata</i> (CLERCK, 1757)	FL		
<i>Enoplognatha tecta</i> (KEYSERLING, 1881)	FL	RG	N
<i>Enoplognatha thoracica</i> (HAHN, 1833)	FL		
<i>Episinus angulatus</i> (BLACKWALL, 1836)	FL		
<i>Episinus truncatus</i> LATREILLE, 1809	FL	CR	Godd
<i>Euryopsis flavomaculata</i> (C.L. KOCH, 1836)	FL	VU	Godr

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Euryopis laeta</i> (WESTRING, 1861)			
<i>Pholcomma gibbum</i> (WESTRING, 1851)	FL	VU	Godr
<i>Robertus arundineti</i> (O.P.-CAMBRIDGE, 1871)	FL	EN	Gowr
<i>Robertus kuehnae</i> BAUCHHENS & UHLENHAUT, 1993	FL	IN	X
<i>Robertus lividus</i> (BLACKWALL, 1836)	FL		
<i>Robertus neglectus</i> (O.P.-CAMBRIDGE, 1871)	FL	VU	Fdww
<i>Robertus scoticus</i> JACKSON, 1911	FL	RG	S
<i>Steatoda albomaculata</i> (DE GEER, 1778)	FL	VU	Hd
<i>Steatoda bipunctata</i> (LINNAEUS, 1758)	FL		
<i>Steatoda grossa</i> (C.L. KOCH, 1838)	FL		
<i>Steatoda phalerata</i> (PANZER, 1801)	FL	VU	Hd
<i>Steatoda triangulosa</i> (WALCKENAER, 1802)	FL		
<i>Theonoe minutissima</i> (O.P.-CAMBRIDGE, 1879)	FL	VU	Hws
<i>Theridion bellicosum</i> (SIMON, 1873)			
<i>Theridion bimaculatum</i> (LINNAEUS, 1767)	FL		
<i>Theridion blackwalli</i> O.P.-CAMBRIDGE, 1870	FL		
<i>Theridion familiare</i> O.P.-CAMBRIDGE, 1871	FL		
<i>Theridion hannoniae</i> DENIS, 1911	FL		
<i>Theridion hemerobium</i> SIMON, 1911	FL		
<i>Theridion impressum</i> L. KOCH, 1881	FL		
<i>Theridion instabile</i> O.P.-CAMBRIDGE, 1871	FL	EN	Mc
<i>Theridion melanurum</i> HAHN, 1831	FL		
<i>Theridion mystaceum</i> L. KOCH, 1870	FL		
<i>Theridion pictum</i> (WALCKENAER, 1802)	FL		
<i>Theridion pinastris</i> L. KOCH, 1872	FL		
<i>Theridion simile</i> C.L. KOCH, 1836	FL		
<i>Theridion sisyphium</i> (CLERCK, 1757)	FL		
<i>Theridion tinctum</i> (WALCKENAER, 1802)	FL		
<i>Theridion uhlighi</i> MARTIN, 1975	FL	CR	Hdb
<i>Theridion varians</i> HAHN, 1833	FL		
Nesticidae			
<i>Nesticus cellulanus</i> (CLERCK, 1757)	FL		
Tetragnathidae			
<i>Pachygnatha clercki</i> SUNDEVALL, 1823	FL		
<i>Pachygnatha degeeri</i> SUNDEVALL, 1830	FL		
<i>Pachygnatha listeri</i> SUNDEVALL, 1830	FL	VU	Fdmo
<i>Tetragnatha dearmata</i> THORELL, 1873	FL	IK	Y
<i>Tetragnatha extensa</i> (LINNAEUS, 1758)	FL		
<i>Tetragnatha montana</i> SIMON, 1871	FL		
<i>Tetragnatha nigrita</i> LENDL, 1886	FL		
<i>Tetragnatha obtusa</i> C.L. KOCH, 1837	FL		
<i>Tetragnatha pinicola</i> L. KOCH, 1870	FL		
<i>Tetragnatha reimoseri</i> (ROSCA, 1939)	FL	CR	Mr
<i>Tetragnatha striata</i> L. KOCH, 1862	FL	EN	Mr
Metidae			
<i>Meta menardi</i> (LATREILLE, 1801)			
<i>Metellina mengi</i> (BLACKWALL, 1869)	FL		

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Metellina merianae</i> (SCOPOLI, 1773)	FL		
<i>Metellina segmentata</i> (CLERCK, 1757)	FL		
<i>Zygiella atrica</i> (C.L. KOCH, 1815)	FL		
<i>Zygiella stroemi</i> (THORELL, 1870)	FL	IN	X
<i>Zygiella x-notata</i> (CLERCK, 1757)	FL		
Araneidae			
<i>Aculepeira ceropegius</i> (WALCKENAER, 1802)			
<i>Agalenatea redii</i> (SCOPOLI, 1763)	FL	VU	Godd
<i>Araneus alsine</i> (WALCKENAER, 1802)	FL	VU	Fdww
<i>Araneus angulatus</i> CLERCK, 1757	FL	EN	Fddv
<i>Araneus diadematus</i> CLERCK, 1757	FL		
<i>Araneus marmoreus</i> CLERCK, 1757	FL		
<i>Araneus quadratus</i> CLERCK, 1757	FL		
<i>Araniella alpica</i> (L. KOCH, 1869)			
<i>Araniella cucurbitina</i> (CLERCK, 1757)	FL		
<i>Araniella displicata</i> (HENTZ, 1817)	FL		
<i>Araniella inconspicua</i> (SIMON, 1871)			
<i>Araniella opistographa</i> (KULCZYNSKI, 1905)	FL		
<i>Araniella proxima</i> (KULCZYNSKI, 1885)			
<i>Argiope bruennichi</i> (SCOPOLI, 1772)	FL	RG	N
<i>Atea sturmi</i> (HAHN, 1831)	FL		
<i>Atea triguttata</i> (FABRICIUS, 1757)	FL		
<i>Cercidia prominens</i> (WESTRING, 1851)	FL		
<i>Cyclosa conica</i> (PALLAS, 1772)	FL		
<i>Cyclosa oculata</i> (WALCKENAER, 1802)	FL	RG	N
<i>Gibbaranea bituberculata</i> (WALCKENAER, 1802)	FL	IN	X
<i>Gibbaranea gibbosa</i> (WALCKENAER, 1802)	FL		
<i>Hypsosinga albovittata</i> (WESTRING, 1851)	FL	VU	Godd
<i>Hypsosinga heri</i> (HAHN, 1831)	FL	EN	Gowr
<i>Hypsosinga pygmaea</i> (SUNDEVALL, 1831)	FL	EN	Hw
<i>Hypsosinga sanguinea</i> (C.L. KOCH, 1811)	FL	EN	Hd
<i>Larinioides cornutus</i> (CLERCK, 1757)	FL		
<i>Larinioides patagiatus</i> (CLERCK, 1757)	FL		
<i>Larinioides sclopetarius</i> (CLERCK, 1757)	FL		
<i>Mangora acalypha</i> (WALCKENAER, 1802)	FL		
<i>Neoscona adianta</i> (WALCKENAER, 1802)	FL		
<i>Nuctenea umbratica</i> (CLERCK, 1757)	FL		
<i>Singa hamata</i> (CLERCK, 1757)	FL	EN	Gowr
<i>Singa nitidula</i> C.L. KOCH, 1815			
<i>Zilla diodia</i> (WALCKENAER, 1802)	FL		
Anapidae			
<i>Comaroma simoni</i> BERTKAU, 1889			
Theridiosomatidae			
<i>Theridiosoma gemmosum</i> (L. KOCH, 1877)	FL	EN	Fdmo
Erigoninae			
<i>Acartauchenius scurrilis</i> (O.P.-CAMBRIDGE, 1872)	FL	EN	Godta
<i>Araeoncus crassiceps</i> (WESTRING, 1861)	FL	EN	Hws

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Araneoncus humilis</i> (BLACKWALL, 1811)	FL		
<i>Baryphyma duffeyi</i> (MILLIDGE, 1951)	FL	CR	Sa
<i>Baryphyma maritimum</i> (CROCKER & PARKER, 1970)	FL	EN	Godtr
<i>Baryphyma pratense</i> (BLACKWALL, 1861)	FL	VU	Gowr
<i>Baryphyma trifrons</i> (O.P.-CAMBRIDGE, 1863)	FL	CR	Hdb
<i>Ceratinella brevipes</i> (WESTRING, 1851)	FL		
<i>Ceratinella brevis</i> (WIDER, 1831)	FL		
<i>Ceratinella scabrosa</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Ceratinopsis romana</i> (O.P.-CAMBRIDGE, 1872)	FL	EN	Godt
<i>Ceratinopsis stativa</i> (SIMON, 1881)	FL	RG	N
<i>Cinetata gradata</i> (SIMON, 1881)			
<i>Cnephalocotes obscurus</i> (BLACKWALL, 1831)	FL		
<i>Dicymbium brevisetosum</i> LOCKET, 1962	FL		
<i>Dicymbium nigrum</i> (BLACKWALL, 1831)	FL		
<i>Dicymbium tibiale</i> (BLACKWALL, 1836)	FL		
<i>Diplocephalus caecus</i> DENIS, 1952			
<i>Diplocephalus cristatus</i> (BLACKWALL, 1833)	FL		
<i>Diplocephalus latifrons</i> (O.P.-CAMBRIDGE, 1863)	FL		
<i>Diplocephalus lusiscus</i> (SIMON, 1872)			
<i>Diplocephalus permixtus</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Diplocephalus picinus</i> (BLACKWALL, 1811)	FL		
<i>Dismodicus bifrons</i> (BLACKWALL, 1811)	FL		
<i>Dismodicus elevatus</i> (C.L. KOCH, 1838)	FL	RG	S
<i>Entelecara acuminata</i> (WIDER, 1831)	FL		
<i>Entelecara congenera</i> (O.P.-CAMBRIDGE, 1879)	FL	RG	S
<i>Entelecara errata</i> O.P.-CAMBRIDGE, 1913	FL	RG	N
<i>Entelecara erythropus</i> (WESTRING, 1851)	FL		
<i>Entelecara flavipes</i> (BLACKWALL, 1831)	FL	IN	X
<i>Entelecara media</i> KULCZYNSKI, 1887	FL	RG	S
<i>Entelecara omissa</i> O.P.-CAMBRIDGE, 1902	FL	CR	Gowt
<i>Erigone arctica</i> (WHITE, 1852)	FL		
<i>Erigone atra</i> (BLACKWALL, 1811)	FL		
<i>Erigone dentipalpis</i> (WIDER, 1831)	FL		
<i>Erigone longipalpis</i> (SUNDEVALL, 1830)	FL		
<i>Erigone promiscua</i> (O.P.-CAMBRIDGE, 1872)	FL	CR	Godb
<i>Erigonella hiemalis</i> (BLACKWALL, 1811)	FL	RG	S
<i>Erigonella ignobilis</i> (O.P.-CAMBRIDGE, 1871)	FL	EN	Gowt
<i>Erigonoplus globipes</i> (C.L. KOCH, 1872)			
<i>Erigonoplus justus</i> (O.P.-CAMBRIDGE, 1875)			
<i>Glyphesis cottonae</i> (LA TOUCHE, 1915)	FL	CR	Hws
<i>Glyphesis servulus</i> (SIMON, 1881)	FL	EN	Fdmot
<i>Gnathonarium dentatum</i> (WIDER, 1831)	FL		
<i>Gonatum rubellum</i> (BLACKWALL, 1811)	FL		
<i>Gonatum rubens</i> (BLACKWALL, 1833)	FL		
<i>Gongylidiellum latebricola</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Gongylidiellum murcidum</i> SIMON, 1881	FL	CR	Mrr
<i>Gongylidiellum vivum</i> (O.P.-CAMBRIDGE, 1875)	FL		

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Gongylidium rufipes</i> (SUNDEVALL, 1829)	FL		
<i>Hylyphantes graminicola</i> (SUNDEVALL, 1829)	FL		
<i>Hylyphantes nigrinus</i> (SIMON, 1881)	FL	RG	N
<i>Hypomma bituberculatum</i> (WIDER, 1831)	FL		
<i>Hypomma cornutum</i> (BLACKWALL, 1833)	FL		
<i>Hypomma fulvum</i> BOSENBERG, 1902	FL	VU	Mrr
<i>Hypselistes jacksoni</i> (O.P.-CAMBRIDGE, 1902)	FL	EN	Hws
<i>Jacksonella falconeri</i> (JACKSON, 1908)			
<i>Lessertia denticchelis</i> (SIMON, 1881)	FL		
<i>Lophomma punctatum</i> (BLACKWALL, 1811)	FL		
<i>Maso gallicus</i> SIMON, 1891	FL	EN	Gowr
<i>Maso sundevalli</i> (WESTRING, 1851)	FL		
<i>Metopobactrus prominulus</i> (O.P.-CAMBRIDGE, 1872)	FL	VU	Godb
<i>Micrargus apertus</i> (O.P.-CAMBRIDGE, 1870)	FL	IN	X
<i>Micrargus herbigradus</i> (BLACKWALL, 1851)	FL		
<i>Micrargus laudatus</i> (O.P.-CAMBRIDGE, 1881)			
<i>Micrargus subaequalis</i> (WESTRING, 1851)	FL		
<i>Microctenonyx subitaneus</i> (O.P.-CAMBRIDGE, 1875)	FL		
<i>Milleriana inerrans</i> (O.P.-CAMBRIDGE, 1881)	FL		
<i>Minicia marginella</i> (WIDER, 1831)			
<i>Minyriolus pusillus</i> (WIDER, 1831)	FL		
<i>Mioxena blanda</i> (SIMON, 1884)	FL	RG	N
<i>Moebelia penicillata</i> (WESTRING, 1851)	FL		
<i>Monocephalus castaneipes</i> (SIMON, 1881)	FL	RG	S
<i>Monocephalus fuscipes</i> (BLACKWALL, 1836)	FL		
<i>Nematogmus sanguinolentus</i> (WALCKENAER, 1837)			
<i>Notioscopus sarcinatus</i> (O.P.-CAMBRIDGE, 1872)	FL	CR	Hws
<i>Oedothorax agrestis</i> (BLACKWALL, 1853)	FL		
<i>Oedothorax apicatus</i> (BLACKWALL, 1850)	FL		
<i>Oedothorax fuscus</i> (BLACKWALL, 1831)	FL		
<i>Oedothorax gibbosus</i> (BLACKWALL, 1811)	FL	VU	Fdmo
<i>Oedothorax retusus</i> (WESTRING, 1851)	FL		
<i>Panamamops sulcifrons</i> (WIDER, 1831)			
<i>Parapelecopsis nemoralis</i> (BLACKWALL, 1841)	FL	EN	Godtr
<i>Pelecopsis elongata</i> (WIDER, 1831)	FL	IK	Y
<i>Pelecopsis parallela</i> (WIDER, 1831)	FL		
<i>Pelecopsis radicola</i> (L. KOCH, 1875)	FL	IN	X
<i>Peponocranium ludicrum</i> (O.P.-CAMBRIDGE, 1861)	FL		
<i>Peponocranium orbiculatum</i> (O.P.-CAMBRIDGE, 1882)			
<i>Pocadicnemis juncea</i> LOCKET & MILLIDGE, 1953	FL		
<i>Pocadicnemis pumila</i> (BLACKWALL, 1811)	FL		
<i>Prinerigone vagans</i> AUDOUIN, 1826	FL		
<i>Pseudocararita thaleri</i> (SAARISTO, 1971)	FL	RG	S
<i>Pseudomaro aenigmaticus</i> DENIS, 1966	FL	RG	N
<i>Saloca diceros</i> (O.P.-CAMBRIDGE, 1871)	FL	VU	Fdwo
<i>Satilatlas britteni</i> (JACKSON, 1913)	FL	CR	Hw
<i>Savignia frontata</i> BLACKWALL, 1833	FL	VU	Gowr

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Silometopus ambiguus</i> (O.P.-CAMBRIDGE, 1905)	FL	CR	Sa
<i>Silometopus bonessi</i> CASEMIR, 1970	FL	CR	Hd
<i>Silometopus elegans</i> (O.P.-CAMBRIDGE, 1905)	FL	VU	Gowr
<i>Silometopus incurvatus</i> (O.P.-CAMBRIDGE, 1873)	FL	EN	Godb
<i>Silometopus reussi</i> (THORELL, 1871)	FL	VU	Gowr
<i>Tapinocyba biscissa</i> (O.P.-CAMBRIDGE, 1872)	FL	IN	X
<i>Tapinocyba insecta</i> (L. KOCH, 1869)	FL		
<i>Tapinocyba pallens</i> (O.P.-CAMBRIDGE, 1872)	FL	IN	X
<i>Tapinocyba praecox</i> (O.P.-CAMBRIDGE, 1873)	FL		
<i>Tapinocyboides pygmaea</i> (MENGE, 1869)			
<i>Thyreostenius biovatus</i> (O.P.-CAMBRIDGE, 1875)	FL	CR	Godta
<i>Thyreostenius parasiticus</i> (WESTRING, 1851)	FL		
<i>Tiso vagans</i> (BLACKWALL, 1831)	FL		
<i>Tmeticus affinis</i> (BLACKWALL, 1811)	FL	VU	Mr
<i>Trematocephalus cristatus</i> (WIDER, 1831)	FL	VU	Fddv
<i>Trichoncus hackmanni</i> MILLIDGE, 1956	FL	CR	Rg
<i>Trichoncus saxicola</i> (O.P.-CAMBRIDGE, 1861)	FL	IN	X
<i>Trichopterna cito</i> (O.P.-CAMBRIDGE, 1872)	FL	VU	Godb
<i>Trichopterna thorelli</i> (WESTRING, 1861)	FL	EN	Gowr
<i>Troxochrus cirrifrons</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Troxochrus nasutus</i> SCHENKEL, 1925			
<i>Troxochrus scabriculus</i> (WESTRING, 1851)	FL		
<i>Typhochrestus digitatus</i> (O.P.-CAMBRIDGE, 1872)	FL		
<i>Typhochrestus simoni</i> DE LESSERT, 1907			
<i>Walckenaeria acuminata</i> BLACKWALL, 1833	FL		
<i>Walckenaeria alticeps</i> (DENIS, 1952)	FL	CR	Mo
<i>Walckenaeria antica</i> (WIDER, 1831)	FL		
<i>Walckenaeria atrotibialis</i> O.P.-CAMBRIDGE, 1878	FL		
<i>Walckenaeria capito</i> (WESTRING, 1861)	FL	IN	X
<i>Walckenaeria corniculans</i> (O.P.-CAMBRIDGE, 1875)	FL	VU	Fdwo
<i>Walckenaeria cucullata</i> (C.L. KOCH, 1836)	FL		
<i>Walckenaeria cuspidata</i> (BLACKWALL, 1833)	FL		
<i>Walckenaeria dysderoides</i> (WIDER, 1831)	FL		
<i>Walckenaeria furcillata</i> (MENGE, 1869)	FL		
<i>Walckenaeria incisa</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Walckenaeria kochi</i> (O.P.-CAMBRIDGE, 1872)	FL	RG	S
<i>Walckenaeria mitrata</i> (MENGE, 1868)	FL	EN	Fddd
<i>Walckenaeria monoceros</i> (WIDER, 1831)	FL		
<i>Walckenaeria nodosa</i> O.P.-CAMBRIDGE, 1873	FL	EN	Gowr
<i>Walckenaeria nudipalpis</i> (WESTRING, 1851)	FL		
<i>Walckenaeria obtusa</i> BLACKWALL, 1836	FL		
<i>Walckenaeria stylifrons</i> (O.P.-CAMBRIDGE, 1875)	FL	EN	Godbr
<i>Walckenaeria unicornis</i> O.P.-CAMBRIDGE, 1861	FL		
<i>Walckenaeria vigilax</i> (BLACKWALL, 1833)	FL		
<i>Wiehlea calcarifera</i> (SIMON, 1881)			
Linyphiinae			
<i>Agyneta cauta</i> (O.P.-CAMBRIDGE, 1902)	FL	EN	Fdwo

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Agyneta conigera</i> (O.P.-CAMBRIDGE, 1863)	FL		
<i>Agyneta decora</i> (O.P.-CAMBRIDGE, 1870)	FL		
<i>Agyneta ramosa</i> JACKSON, 1912	FL		
<i>Agyneta subtilis</i> (O.P.-CAMBRIDGE, 1863)	FL		
<i>Allomengea scopigera</i> (GRUBE, 1859)	FL	CR	Sa
<i>Allomengea vidua</i> (L. KOCH, 1879)	FL	VU	Gowr
<i>Aphileta misera</i> (O.P.-CAMBRIDGE, 1882)	FL	EN	Hws
<i>Asthenargus paganus</i> (SIMON, 1881)	FL	IN	X
<i>Bathypantes approximatus</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Bathypantes gracilis</i> (BLACKWALL, 1811)	FL		
<i>Bathypantes nigrinus</i> (WESTRING, 1851)	FL		
<i>Bathypantes parvulus</i> (WESTRING, 1851)	FL		
<i>Bathypantes setiger</i> F.O.P.-CAMBRIDGE, 1891	FL	EN	Hws
<i>Bathypantes simillimus</i> (L. KOCH, 1879)			
<i>Bathypantes vittiger</i> SIMON, 1881			
<i>Bolyphantes alticeps</i> (SUNDEVALL, 1832)			
<i>Bolyphantes luteolus</i> (BLACKWALL, 1833)	FL	RG	S
<i>Carorita paludosa</i> DUFFEY, 1971	FL	EN	Mrr
<i>Centromerita bicolor</i> (BLACKWALL, 1833)	FL		
<i>Centromerita concinna</i> (THORELL, 1875)	FL		
<i>Centromerus aequalis</i> (C.L. KOCH, 1841)	FL		
<i>Centromerus arcanus</i> (O.P.-CAMBRIDGE, 1873)			
<i>Centromerus capucinus</i> (SIMON, 1881)	FL	RG	N
<i>Centromerus dilutus</i> (O.P.-CAMBRIDGE, 1875)	FL		
<i>Centromerus incilium</i> (L. KOCH, 1881)			
<i>Centromerus leruthi</i> FAGE, 1933	FL	RG	N
<i>Centromerus levitarsus</i> (SIMON, 1881)	FL	CR	Mo
<i>Centromerus pabulator</i> (O.P.-CAMBRIDGE, 1875)	FL	RG	W
<i>Centromerus persimilis</i> (O.P.-CAMBRIDGE, 1912)	FL	IN	X
<i>Centromerus prudens</i> (O.P.-CAMBRIDGE, 1873)	FL		
<i>Centromerus semiater</i> (L. KOCH, 1879)	FL	EN	Hw
<i>Centromerus serratus</i> (O.P.-CAMBRIDGE, 1875)	FL	RG	N
<i>Centromerus sylvaticus</i> (BLACKWALL, 1811)	FL		
<i>Diplostyla concolor</i> (WIDER, 1831)	FL		
<i>Donacochara speciosa</i> (THORELL, 1875)	FL	VU	Gowr
<i>Drapetisca socialis</i> (SUNDEVALL, 1832)	FL		
<i>Drepanotylus uncatus</i> (O.P.-CAMBRIDGE, 1873)	FL	EN	Mo
<i>Floronia bucculenta</i> (CLERCK, 1757)	FL		
<i>Frontinellina frutetorum</i> (C.L. KOCH, 1831)	FL	RG	W
<i>Halorates distinctus</i> (SIMON, 1879)	FL	EN	Gowr
<i>Halorates reprobus</i> (O.P.-CAMBRIDGE, 1879)	FL	CR	Sa
<i>Helophora insignis</i> (BLACKWALL, 1811)	FL		
<i>Hilaira excisa</i> (O.P.-CAMBRIDGE, 1870)	FL	IN	X
<i>Kaestneria dorsalis</i> (WIDER, 1831)	FL	VU	Godd
<i>Kaestneria pullata</i> (O.P.-CAMBRIDGE, 1863)	FL		
<i>Labulla thoracica</i> (WIDER, 1831)	FL	IN	X
<i>Lepthyphantes alacris</i> (BLACKWALL, 1853)			

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Lepthyphantes angulatus</i> (O.P.-CAMBRIDGE, 1881)			
<i>Lepthyphantes angulipalpis</i> (WESTRING, 1851)			
<i>Lepthyphantes cristatus</i> (MENGE, 1866)	FL		
<i>Lepthyphantes crucifer</i> (MENGE, 1866)			
<i>Lepthyphantes ericaeus</i> (BLACKWALL, 1853)	FL		
<i>Lepthyphantes flavipes</i> (BLACKWALL, 1851)	FL		
<i>Lepthyphantes insignis</i> O.P.-CAMBRIDGE, 1913	FL		
<i>Lepthyphantes leprosus</i> (OHLERT, 1865)	FL		
<i>Lepthyphantes leptyphantiformis</i> (STRAND, 1907)	FL	RG	W
<i>Lepthyphantes mendei</i> KULCZYNSKI, 1887	FL		
<i>Lepthyphantes minutus</i> (BLACKWALL, 1833)	FL		
<i>Lepthyphantes mughi</i> (FICKERT, 1875)	FL	IK	Y
<i>Lepthyphantes obscurus</i> (BLACKWALL, 1811)	FL		
<i>Lepthyphantes pallidus</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Lepthyphantes simoni</i> CHYZER & KULCZYNSKI, 1891			
<i>Lepthyphantes tenebricola</i> (WIDER, 1831)	FL		
<i>Lepthyphantes tenuis</i> (BLACKWALL, 1852)	FL		
<i>Lepthyphantes zimmermanni</i> BERTKAU, 1890	FL		
<i>Leptorhoptrum robustum</i> (WESTRING, 1851)	FL	VU	Rb
<i>Leptothrix hardyi</i> (BLACKWALL, 1850)	FL	EN	Govd
<i>Linyphia hortensis</i> SUNDEVALL, 1829	FL		
<i>Linyphia tenuipalpis</i> SIMON, 1881	FL	CR	Hd
<i>Linyphia triangularis</i> (CLERCK, 1757)	FL		
<i>Macrargus carpenteri</i> (O.P.-CAMBRIDGE, 1891)	FL	RG	S
<i>Macrargus rufus</i> (WIDER, 1831)	FL		
<i>Maro lehtineni</i> SAARISTO, 1971			
<i>Maro lepidus</i> CASEMIR, 1963			
<i>Maro minutus</i> O.P.-CAMBRIDGE, 1906	FL	IN	X
<i>Maro sublestus</i> FALCONER, 1915	FL	EN	Fdmo
<i>Megalepthyphantes nebulosus</i> (SUNDEVALL, 1830)	FL		
<i>Meioneta affinis</i> (KULCZYNSKI, 1898)	FL	EN	Godg
<i>Meioneta fuscipalpus</i> (C.L. KOCH, 1836)	FL	RG	W
<i>Meioneta innotabilis</i> (O.P.-CAMBRIDGE, 1863)	FL		
<i>Meioneta mollis</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Meioneta rurestris</i> (C.L. KOCH, 1836)	FL		

FAMILY, SPECIES	FL	RL-C	HABITAT
<i>Meioneta saxatilis</i> (BLACKWALL, 1811)	FL		
<i>Meioneta simplicatarsis</i> (SIMON, 1881)			
<i>Microlinyphia impigra</i> (O.P.-CAMBRIDGE, 1871)	FL	VU	Mrr
<i>Microlinyphia pusilla</i> (SUNDEVALL, 1829)	FL		
<i>Microneta viaria</i> (BLACKWALL, 1811)	FL		
<i>Neriere clathrata</i> (SUNDEVALL, 1829)	FL		
<i>Neriere emphana</i> (WALCKENAER, 1837)	FL	VU	Fddv
<i>Neriere furtiva</i> (O.P.-CAMBRIDGE, 1871)	FL	EN	Fddv
<i>Neriere hammeni</i> (VAN HELSDINGEN, 1963)	FL	EN	Fddv
<i>Neriere montana</i> (CLERCK, 1757)	FL		
<i>Neriere peltata</i> (WIDER, 1831)	FL		
<i>Neriere radiata</i> (WALCKENAER, 1811)	FL	CR	Fddv
<i>Oreonetides vaginatus</i> (THORELL, 1872)			
<i>Ostearius melanopygius</i> (O.P.-CAMBRIDGE, 1879)	FL		
<i>Pityohyphantes phrygianus</i> (C.L. KOCH, 1836)			
<i>Poecilonea globosa</i> (WIDER, 1831)	FL		
<i>Porrhomma campbelli</i> F.O.P.-CAMBRIDGE, 1891	FL		
<i>Porrhomma convexum</i> (WESTRING, 1861)	FL		
<i>Porrhomma egeria</i> SIMON, 1881	FL		
<i>Porrhomma errans</i> (BLACKWALL, 1811)	FL		
<i>Porrhomma microphthalmum</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Porrhomma myops</i> SIMON, 1881			
<i>Porrhomma oblitum</i> (O.P.-CAMBRIDGE, 1870)	FL		
<i>Porrhomma pallidum</i> JACKSON, 1913			
<i>Porrhomma pygmaeum</i> (BLACKWALL, 1831)	FL		
<i>Porrhomma rosenhaueri</i> (L. KOCH, 1872)	FL	IN	X
<i>Saaristoa abnormis</i> (BLACKWALL, 1811)	FL		
<i>Saaristoa firma</i> (O.P.-CAMBRIDGE, 1901)			
<i>Sintula cornigera</i> (BLACKWALL, 1856)	FL	IN	X
<i>Stemonyphantes lineatus</i> (LINNAEUS, 1758)	FL		
<i>Syedra gracilis</i> (MENGE, 1866)	FL	IN	X
<i>Tallusia experta</i> (O.P.-CAMBRIDGE, 1871)	FL		
<i>Tapinopa longidens</i> (WIDER, 1831)	FL		
<i>Taranucnus setosus</i> (O.P.-CAMBRIDGE, 1863)	FL	VU	Hw
<i>Theonina cornix</i> (SIMON, 1881)			

CR, EN and VU the habitat is characterised by means of a code. For the RG-species it is indicated if they are at the northern (N), southern (S) or western (W) limit of their geographical range. The following habitat types (and codes) were distinguished:

- **Fd**: deciduous forest
- **Fdd**: dry deciduous forest
- **Fddd**: Fdd with large quantities of dead wood in the litter layer
- **Fddo**: open Fdd with well-developed undergrowth
- **Fddv**: verges of Fdd
- **Fddvs**: southerly exposed verges of Fdd
- **Fdm**: marshy deciduous forest

- **Fdmo**: open Fdm
- **Fdmot**: open Fdm with tussocks of sedges
- **Fdw**: wet deciduous forest
- **Fdwl**: Fdw rich in lichens
- **Fdwo**: open Fdw
- **Fdvw**: verges of Fdw
- **Go**: oligotrophic grassland
- **God**: dry oligotrophic grassland
- **Godb**: God with patches of bare ground
- **Godba**: God with patches of bare ground and ants
- **Godbr**: God with patches of bare ground on or close to first dune ridge
- **Godbs**: southerly exposed God with patches of bare ground
- **Godd**: God with dwarf shrubs

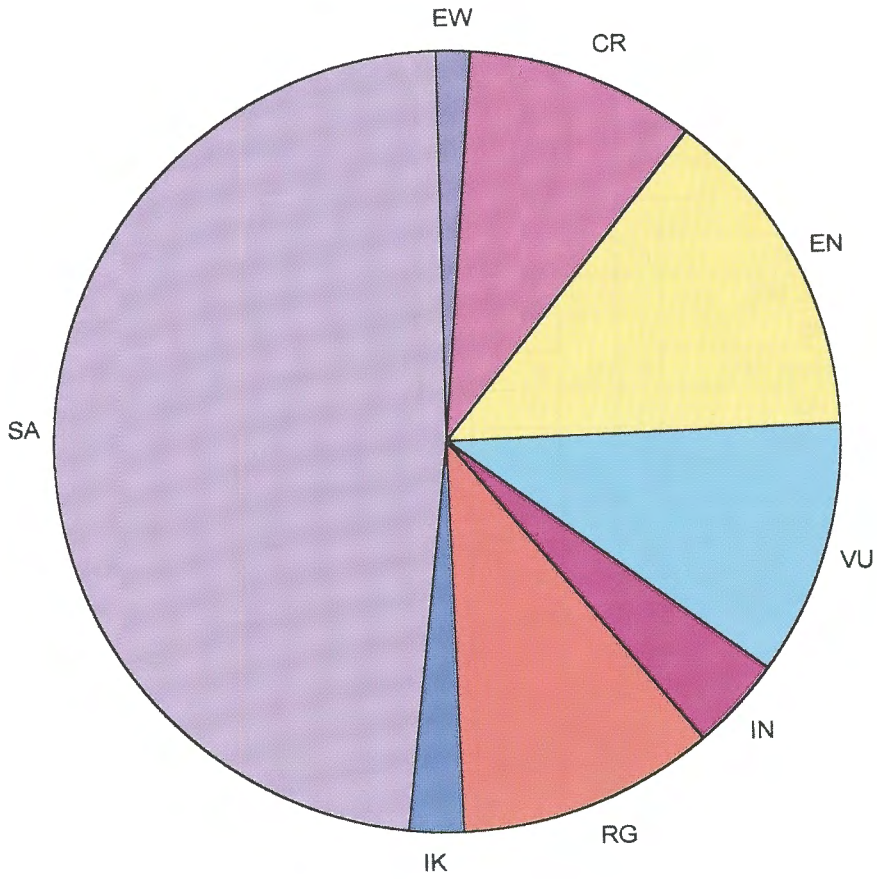


Figure 1. – Distribution of the Flemish spider species over Red list categories (explanation: see text).

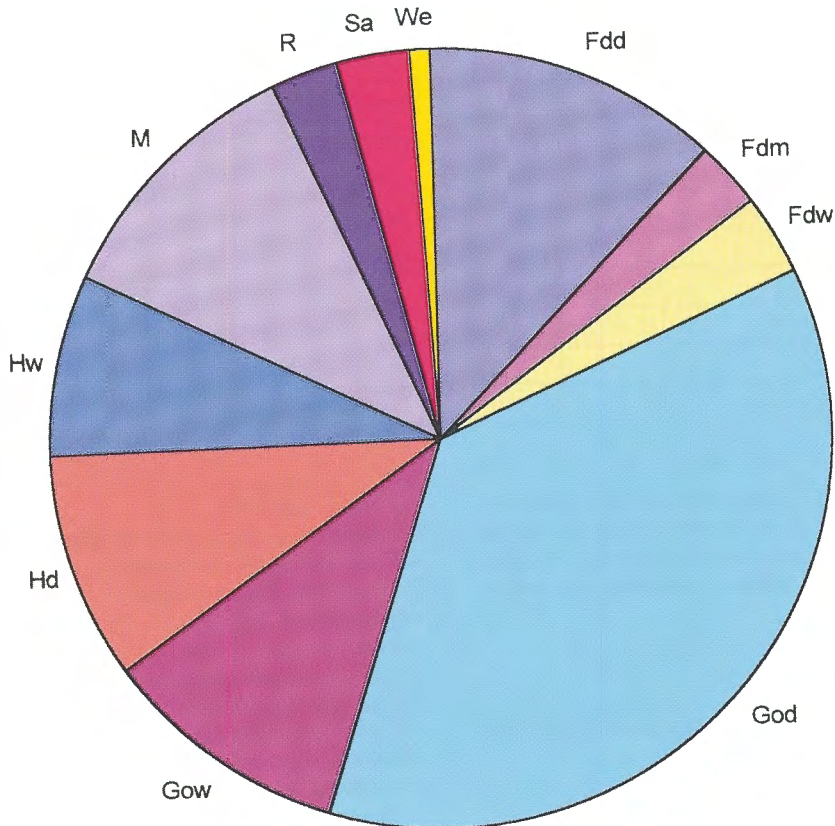


Figure 2. – Habitat distribution of the extinct and threatened Flemish spider species (explanation: see text).

- **Gods**: southerly exposed God with dwarf shrubs
- **Godf**: God rich in flowering plants
- **Godg**: short-grazed God
- **Godl**: lime-rich God
- **Godr**: God with rough vegetation
- **Godt**: God with grassy tussocks
- **Godta**: God with grassy tussocks and ants
- **Godtr**: God with grassy tussocks on or close to first dune ridge
- **Godts**: southerly exposed God with grassy tussocks
- **Gow**: wet oligotrophic grassland
- **Gowd**: Gow with dwarf shrubs
- **Gowr**: Gow with rough vegetation
- **Gowt**: Gow with tussocks
- **Hd**: dry heathland
- **Hdb**: Hd with patches of bare ground
- **Hdb**s: southerly exposed Hd with patches of bare ground
- **Hw**: wet heathland
- **Hws**: Hw with Sphagnum carpets
- **M**: marshland
- **Mc**: M with large sedges (*Carex*)
- **Mo**: oligotrophic marshland
- **Mr**: M with reed vegetation (*Phragmitis*)
- **Mrr**: M with rough reed vegetation
- **R**: riparian habitat
- **Rb**: R with bare ground
- **Rg**: R with gravel
- **Rs**: sandy R
- **Sa**: saltmarsh
- **We**: eutrophic stagnant or only slow-flowing water
- **Wed**: as We, covered with floating water-plants
- **Wes**: as We, with well-developed submerged vegetation

The habitat choice of the IN- and IK-species is not characterised; the code X and Y is used respectively.

Results and discussion

In Table 1 we have listed all the spider species mentioned as occurring in Belgium. Those occurring in Flanders are indicated (FL). In Figure 1 it can be seen that of the 604 Flemish species only about half is safe or at low risk for the moment (SA). The habitat distribution of the extinct (EW) and threatened (CR, EN, VU) species is shown in Figure 2. From this figure we can deduce that the threatened part of the spider biodiversity of Flanders occurs in oligotrophic grasslands, deciduous forests, heathland and several kinds of wetland habitats. These are the habitat types prior attention should be directed to by nature conservation policy makers.

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