

Habitat and food preferences of beetles inhabiting caves in the Częstochowa Upland

Family	Species	Food preferences	Habitat preferences
Cantharidae	<i>Rhagonycha gallica</i>		deciduous forest
Carabidae	<i>Abax ovalis</i>	zoophagous	forest, mesohigrophilic
Carabidae	<i>Abax parallelus</i>	zoophagous	forest
Carabidae	<i>Calathus micropterus</i>	zoophagous	forest, mesohigrophilic
Carabidae	<i>Carabus arvensis</i>	zoophagous	forest, open areas
Carabidae	<i>Carabus coriaceus</i>	zoophagous	forest, mesohigrophilic
Carabidae	<i>Leistus ferrugineus</i>	zoophagous	forest, higrophilic
Carabidae	<i>Leistus rufomarginatus</i>		forest
Carabidae	<i>Molops piceus</i>	zoophagous	forest, mesohigrophilic
Carabidae	<i>Pterostichus melanarius</i>	polyphagous	open areas, dryophilic
Carabidae	<i>Pterostichus niger</i>	zoophagous	forest, mesohigrophilic
Carabidae	<i>Pterostichus oblongopunctatus</i>	zoophagous	forest, mesohigrophilic
Carabidae	<i>Trechus quadristriatus</i>	zoophagous	open areas, in the moss, among fallen leaves, mesohigrophilic
Cryptophagidae	<i>Cryptophagus distinguendus</i> Sturm, 1845	mycophagous	in farm buildings, bird nests, and rodent burrows

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Cryptophagidae	<i>Cryptophagus montanus</i> Brisout, 1863 (= <i>C. deubeli</i>)	mycophagous	mountainous species, forest
Cryptophagidae	<i>Cryptophagus pallidus</i> Sturm, 1845 (= <i>C. thomsoni</i>)	mycophagous	on trunks, branches, in tree hollows
Cryptophagidae	<i>Cryptophagus punctipennis</i> Brisout, 1861 (= <i>C. pilosus</i>)	mycophagous	forest, open areas, decaying plant debris
Cryptophagidae	<i>Cryptophagus reflexus</i> Rey, 1889 (= <i>C. pallidus</i>)	mycophagous	forest
Cryptophagidae	<i>Cryptophagus saginatus</i> Sturm, 1845	mycophagous	forest, open areas
Cryptophagidae	<i>Cryptophagus scutellatus</i> Newman, 1834	mycophagous	compost, tree hollows in oak
Cryptophagidae	<i>Cryptophagus</i> sp.	mycophagous	
Curculionidae	<i>Brachysomus echinatus</i>	phytophagous	Forest, open areas
Curculionidae	<i>Otiorhynchus scaber</i>	phytophagous	forest, rarely open areas
Elateridae	<i>Athous vittatus</i>	phytophagous	forest, meadow
Endomychidae	<i>Mycetaea subterranea</i> (= <i>M. hirta</i>)	necrophagous	tree hollow, caves
Geotrupidae	<i>Anoplotrupes stercorosus</i>	phyto-saprophagous	forest
Histeridae	<i>Ontophilus punctatus</i>	saprophagous	mammal nests
Hydrophilidae	<i>Megasternum</i> cf. <i>concinuum</i>		wetlands, decaying plant debris
Lathridiidae	<i>Cartodere nodifer</i>		synanthropic, found in farm buildings, rarely caught in forests,

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			alien species, originally from Australia
Leiodidae	<i>Agathidium seminulum</i>	mycophagous	forest, rotten trees, bracket fungus
Leiodidae	<i>Amphicyllis globus</i>		decaying plant debris
Leiodidae	<i>Anisotoma humeralis</i>	mycophagous	on trunks, branches, under the tree bark, on fungi
Leiodidae	<i>Catops morio</i>	saprophagous	near waters, rodents' burrows
Leiodidae	<i>Catops neglectus</i>	necrophagous	in burrows
Leiodidae	<i>Catops tristis infernus</i>	saprophagous	subterranean
Leiodidae	<i>Catops fuliginosus</i>	necrophagous	mammal burrows, cave' entrances
Leiodidae	<i>Catops fuscus</i>	necrophagous	mammal burrow and nests, stables, basements
Leiodidae	<i>Catops kirbyi</i>	necrophagous	mammal burrows
Leiodidae	<i>Catops nigricans</i>	necrophagous	mammal burrows, cave' entrances
Leiodidae	<i>Catops picipes</i>	necrophagous	cave' entrances, rarely mammal burrows
Leiodidae	<i>Catops subfuscus</i>	necrophagous	cave' entrances, rarely mammal burrows
Leiodidae	<i>Choleva bicolor</i>	saprophagous	cave' entrances
Leiodidae	<i>Choleva glauca</i>	saprophagous	cave' entrances, mole' burrows, near the water

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Leiodidae	<i>Choleva oblonga</i>	saprophagous	forest, open areas, rarely caves
Leiodidae	<i>Choleva agilis</i>	saprophagous	near the water, rodents' burrows
Leiodidae	<i>Choleva cisteloides</i>	saprophagous	decaying plant debris, MSS, cave' entrances
Leiodidae	<i>Choleva lederiana gracilenta</i>	saprophagous	caves
Leiodidae	<i>Choleva nivalis</i>	saprophagous	decaying plant debris, MSS, cave' entrances
Leiodidae	<i>Choleva paskoviensis</i>	saprophagous	rodent' burrows
Leiodidae	<i>Choleva spadicea</i>	saprophagous	mole and rodent' burrows, caves
Leiodidae	<i>Choleva sturmi</i>	saprophagous	mammal burrows
Leiodidae	<i>Colenis immunda</i>	mycophagous	mosses, fungi
Leiodidae	<i>Nargus velox</i>	saprophagous	mammal burrows, rarely nests
Leiodidae	<i>Nargus wilkini</i>	phyto- saprophagous	forest litter, sometimes burrows
Leiodidae	<i>Nemadus colonoides</i>	saprophagous	nests and burrows
Leiodidae	<i>Ptomaphagus sericatus</i>	necrophagous	decaying beech, forest litter, rodent burrows
Leiodidae	<i>Ptomaphagus sp.</i>	necrophagous	decaying beech, forest litter, rodent burrows
Leiodidae	<i>Speonomus normandi hydrophilus</i>	saprophagous	Caves, MSS

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Monotomidae	<i>Rhizophagus bipustulatus</i>	zoophagous mycophagous	Under the bark
Ptinidae	<i>Ptinus fur</i>	phyto- saprophagous	bird nests, old beehives
Scarabaeidae	<i>Serica brunnea</i>	phyto- saprophagous	under the stones, ground layer of soil
Scydmenidae	<i>Neuraphes talparum</i>		mole burrows
Staphylinidae	<i>Acidota cruentata</i>		Rodent burrows, under the mosses, forest
Staphylinidae	<i>Anotylus inustus</i>	phyto- saprophagous	xerothermic sites, under decaying plant debris, dryophilic
Staphylinidae	<i>Anotylus sculpturatus</i>	saprophagous, also coprophagous	under rotting plant debris, carrion, on fungi, sometimes in rodent burrows
Staphylinidae	<i>Anthobium atrocephalum</i>		forest, decaying plant debris
Staphylinidae	<i>Atheta crassicornis</i>		forest, fungi and humus
Staphylinidae	<i>Atheta fungi</i>		decaying plant debris, fungi and
Staphylinidae	<i>Atheta gyllenhalii</i>		marsh, under rotting plant debris or in <i>Sphagnum</i>
Staphylinidae	<i>Atheta ravilla</i>		decaying plant debris, humus, on fungi
Staphylinidae	<i>Atheta sodalis</i>		decaying plant debris
Staphylinidae	<i>Autalia longicornis</i>	mycophagous	forest, fungi

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Staphylinidae	<i>Bryaxis puncticollis</i>		forest, mosses, under fallen leaves
Staphylinidae	<i>Bryophacis crassicornis</i>		forest and moors, under moss, and in rotten bark
Staphylinidae	<i>Bythinus macropalpus</i>		humid places near water, under moss
Staphylinidae	<i>Dinaraea angustula</i>		forest, under the bark
Staphylinidae	<i>Dinothenarus fossor</i>	zoophagous	litter and soil
Staphylinidae	<i>Domene scabricollis</i>		forest, especially beech
Staphylinidae	<i>Gabrius breviventer</i>		forest, open areas, under mosses
Staphylinidae	<i>Ischnosoma longicorne</i>		forest, peatbog,
Staphylinidae	<i>Lesteva longoelytrata</i>		bank of water, under fallen leaves, under stones
Staphylinidae	<i>Liogluta alpestris</i>		under fallen leaves, rotten wood
Staphylinidae	<i>Mycetoporus clavicornis</i>		forest, fungi, humus
Staphylinidae	<i>Ocalea picata</i>		bank of water, forest
Staphylinidae	<i>Ocypus macrocephalus</i>	zoophagous	litter and soil
Staphylinidae	<i>Omalius caesum</i>	phyto- saprophagous	forest, under debris, in bird nests and rodent burrows
Staphylinidae	<i>Omalius excavatum</i>	phyto- saprophagous	rotting straw, compost, sometimes caves

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Staphylinidae	<i>Omalius rivulare</i>	saprophagous mycophagous	decaying plant and animal debris
Staphylinidae	<i>Omalius validum</i>	zoophagous	undergrounds, in the mammal burrows, caves
Staphylinidae	<i>Othius punctulatus</i>	zoophagous	forest, under fallen leaves, under stones, in moss
Staphylinidae	<i>Othius subuliformis</i>	zoophagous	forest, in litter, moss, under stones
Staphylinidae	<i>Oxypoda acuminata</i>		under rotting debris, in moss
Staphylinidae	<i>Oxypoda annularis</i>		peat bogs, under moss, rotting wood, sometimes in ant nests
Staphylinidae	<i>Oxypoda praecox</i>		rodent and mole burrows, tree hollows
Staphylinidae	<i>Philonthus decorus</i>	zoophagous	forest, moss, fungi, fallen leaves
Staphylinidae	<i>Phloeonomus punctipennis</i>		under the bark
Staphylinidae	<i>Proteinus brachypterus</i>	zoophagous	Fungi, decaying fungi, fallen leaves
Staphylinidae	<i>Quedius limbatus</i>		Forest, peat bogs, under moss, fallen leaves
Staphylinidae	<i>Quedius mesomelinus mesomelinus</i>		undergrounds, caves, under the litter
Staphylinidae	<i>Sepedophilus marshami</i>		forest
Staphylinidae	<i>Staphylinus erythropterus</i>	zoophagous	forest
Staphylinidae	<i>Syntomium aeneum</i>		forest, under the moss, higrophilic

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Staphylinidae	<i>Tachinus subterraneus</i>		forest, peat bogs, under the moss, fallen leaves
Staphylinidae	<i>Xantholinus laevigatus</i>	phyto- saprophagous	Forest, especially montanous, higrophilic
Staphylinidae	<i>Xantholinus linearis</i>	phyto- saprophagous	forest, tree hollow, mole burrows, dryophilic
Staphylinidae	<i>Xantholinus longiventris</i> <i>Heer, 1839</i>	phyto- saprophagous	Forest, higrophilic