

**Food plant data for several longhorn beetles from Romania
(Coleoptera: Cerambycidae)
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Abstract

The paper provides food plant data for 43 species of Cerambycidae from Romania.

Keywords: food plant, Cerambycidae, Romania

Introduction

In this paper it is given a list with longhorn beetles obtained by rearing during 2002-2007 from different food plants. The relationship Cerambycidae-host plant was not very well studied in our country; most data regarding this issue were given by ENE & TUDOR (1957), NEGRU & PÂRVESCU (1957), NEGRU (1959, 1965, 1966, 1968a b c, 1971), RĂDOI & MIHALACHE (1960), ROMAȘCU *et al.* (1960), NĂSTASE (1966), NEGRU & ROȘCA (1967), SĂVULESCU (1972), KOVACS *et al.* (1999), GURĂU & CIUBOTARU (2004). All papers, excepting the last two, are dealing with pest species and describe the damage and sometimes different methods for pest control. Some data on this topic appears also in the papers of BUCȘĂ (1978) and GURĂU (2004).

Abbreviations used for the counties are follows as:

BC - Bacău; BT - Botoșani; CT - Constanța; IS- Iași; NT - Neamț; SV - Suceava; TL - Tulcea, VS - Vaslui.

Material and methods

Most species were obtained by rearing from vegetal material with traces of damage (galleries or exit holes): fallen branches and twigs, pieces of stumps and trunks, roots of different herbaceous plants. Some species were obtained directly from pupae found under bark or in soil under roots.

We followed the nomenclature and systematic proposed by ALTHOFF & DANILEVSKY (1997) and BRUSTEL *et al.* (2002).

Results

After several years of rearing Cerambycidae from various host plants, we obtained the following species:

Prioninae

Aegosoma scabricorne (Scopoli, 1763). Tă-

lășmani (VS), 4.VI.2004 → 1.VII.2004, 1 spec. from *Tilia* sp. (larva in wood of dead, dry, standing trunk).

Lepturinae

Rhagium inquisitor (Linnaeus, 1758). Rarău Mountain (SV), 5.VII.2005 → 18.VIII.2005, 1 spec. from *Picea abies* (larvae in pupal cell under the bark of a dead fallen trunk). It was also obtained from *Abies alba* and *Picea abies* by KOVACS *et al.* (1999).

Rhagium mordax (Degeer, 1775). Bârnova forest (IS), 18.XI.2002 → XII. 2003, 1 spec. from *Fagus* sp. (larva under bark). It was also obtained from *Corylus colurna* by KOVACS *et al.* (1999) and from *Quercus* sp. by GURĂU & CIUBOTARU (2004).

Grammoptera ustulata (Schaller, 1783). Mârzești forest (IS), 6.IV.2005 → 22.IV.2005, 27.IV.2005, 2 specs from *Quercus* sp. (in rotten branches).

Stictoleptura rubra (Linnaeus, 1758). Cernegura Hill-Piatra Neamț (NT), 30.III.2003 → V. 2003, 2 specs from *Picea abies* (larvae in pupal cells in rotten wood of a stump).

Stictoleptura scutellata (Fabricius, 1781). Bârnova forest (IS), 21.IV.2004 → V.2004, 1 spec. from *Tilia* sp. in rotten, moist wood of fallen trunk; another specimen was found dead in a pupal cell in the same trunk.

Leptura aurulenta Fabricius, 1792. Bârnova forest (IS), 18.XI.2002 → VII.2003, 2 specs from *Tilia* sp. (larvae in dead wood of an old stump).

Spondylidinae

Tetropium fuscum (Fabricius, 1787). Piatra Craiului Mountain, 22.V.2004 → VI. 2004, 1 spec. from *Picea abies* (under bark).

Cerambycinae

Trichoferus pallidus (Olivier, 1790). Tălășmani (VS), 6.VI.2003 → 5.VII.2003, 1 spec.

from *Quercus* sp. (larva under bark of dead, dry, standing trunk).

Axinopalpis gracilis (Krynicky, 1832). Gârleni (BC), 18.VII.2005 → V. 2006, 1 spec. from *Fagus sylvatica* (in dead twigs).

Glaphyra umbellatarum (Schreber, 1759). Botanical Garden of Iasi (IS), 31.V.2003 → VII. 2003, 3 specs from *Malus* sp. (in dead twigs); Bârnova forest (IS), 20.III.2005 → 16.IV.2005, 1 spec. *Rosa canina* (in dead twigs); Mârzești forest (IS), 5.III.2006 → 3.IV.2006, 2 specs *Sambucus nigra* (in dead twigs); Leorda (BT), 20.IV.2006 → 15.V.2006, 1 spec. from *Cornus mas* (in dead twigs). It was also obtained from *Rosa* sp. by KOVACS *et al.* (1999).

Callimus angulatus (Schrank, 1789). Bârnova forest (IS), 28.II.2005 → 17.III.2005, 1 spec. from *Quercus* sp.; 27.III.2005 → 5.IV.2005, 1 spec. from *Quercus* sp. (in dead branches); 9.IV.2005 → 2005, 1 spec. from *Carpinus betula* (in dead branches).

Cerambyx scopolii Füsslins, 1775. Mârzești forest (IS), 6.IV.2005 → 11-13.IV.2005, 3 specs from *Quercus* sp. (in dead branches).

Hylotrupes bajulus (Linnaeus, 1758). 1 spec. emerged from the door of our laboratory on 4.X.2006. This door made of conifer wood was installed 5 years ago (the wood being almost certainly older).

Ropalopus macropus (Germar, 1824). Leorda (BT), 20.IV.2006 → 20.V.2006 1 spec. from *Quercus* sp. (in dead branches). It was also obtained from *Taxodium distichum* by NEGRU & PÂRVESCU (1957).

Xylotrechus antilope (Schönherr, 1817). Bârnova (IS), 20.III.2005 → 22.V.2005, 1 spec. from *Quercus* sp. (in dead branches).

Chlorophorus figuratus (Scopoli, 1763). Mârzești forest (IS), 5.III.2006 → 10.IV.2006, 1 spec. from *Quercus* sp. (in dead branches).

Clytus arietis (Linnaeus, 1758). Bârnova (IS), 28.II.2005 → 19.III.2005, 1 spec. from *Quercus* sp. (in dead branches). One specimen was obtained from *Taxodium distichum* by NEGRU & PÂRVESCU (1957). It was also obtained from *Juglans regia* by KOVACS *et al.* (1999).

Lamiinae

Mesosa curculionoides (Linnaeus, 1761). Bârnova forest (IS), 20.IV.2003 → 5.VIII.2003, 1 spec. from *Quercus robur* (larva in pupal cell in the bark); 18.XI.2002 → 1.VII.2003, 1 spec. from *Tilia* sp.; 10.IV.2006 → 12-18.VII.2006, 3 specs from *Tilia* sp. In the wood of thick rotten branches.

Mesosa nebulosa (Fabricius, 1781). Mârzești (IS), 6.IV.2005 → 12.IV.2005, 1 spec. from *Quercus* sp. (in dead branches); 6.IV.2005 → 20.IV.2005, 1

spec. from *Tilia* sp.; 5.III.2006 → 22.III.2006, 1 spec. from *Tilia* sp. (in dead branches); Bârnova forest (IS), 20.III.2005 → 4.IV.2005, 4 specs from *Quercus* sp.; 28.II.2005 → 2005, 1 spec. from *Quercus* sp. (in dead branches); Gârleni (BC), 18.VII.2005 → 5.IV.2006 1 spec. from *Fagus* sp. (in thin dead branches). It was also obtained from *Juglans regia* by KOVACS *et al.* (1999).

Neodorcadion bilineatum (Germar, 1824). Podoleni (NT), 5.VIII.2004 → 10-14.VIII.2004, 2 specs from *Lolium perenne* (pupae under roots).

Dorcadion fulvum (Scopoli, 1763). Podoleni (NT), 5.VIII.2004 → 10-14.VIII.2004, 1 spec. from *Lolium perenne* (pupae under roots).

Dorcadion pedestre Poda, 1761. Podoleni (NT), 5.VIII.2004 → 10-14.VIII.2004, 4 specs from *Lolium perenne* (larvae, pupae under roots).

Pogonocherus hispidulus (Piller et Mitterpacher, 1783). Cenaru Forest-Andrieșul de Jos (VR), 9.VI.2005 → 24.VII.2005, 2 specs from *Alnus* sp. (in dead dry twigs); Bârnova forest (IS), 9.IV.2005 → 2005, 1 spec. from *Carpinus betula* (in dead dry twigs).

Pogonocherus hispidus (Linnaeus, 1758). Botanical Garden of Iasi (IS), 31.V.2003 → VII. 2003, 3 specs from *Malus* sp. (in dead dry twigs); Bârnova forest (IS), 10.IV.2006 → 13.VII.-10.X 2006, 9 specs from *Euonymus* sp. (in dead dry twigs). It was also obtained from *Euonymus europaeus* by NEGRU (1968) and KOVACS *et al.* (1999).

Oplosia cinerea (Mulsant, 1839). Bârnova forest (IS), 20.II.2005 → 22.IV.2005 1 spec. from *Cerasus avium* (in dead branches); 20.III.2005 → 15.IV.2005, 2 specs from *Tilia* sp. (in dead branches); 9.IV.2005 → V.2005, 3 specs from *Tilia* sp. (in dead branches); 10.IV.2006 → 20.IV.2006, 2 specs and 1 spec. on 10.V.2006 from *Tilia* sp. (in dead branches). It was also obtained by from *Tilia* sp. by KOVACS *et al.* (1999).

Anaesthetis testacea (Fabricius, 1781). Bârnova forest (IS), 20.III.2005 → 10.V.2005, 9 specs from *Quercus* sp. (in dead thin dry branches).

Leiopus nebulosus (Linnaeus, 1758). Botanical Garden of Iasi (IS), 19.IV.2004 → V.2004, 7 specs from *Quercus robur* (larvae and pupae under bark of dead standing trunk); Bârnova forest (IS), 20.III.2005 → 2005, 8 specs from *Quercus* sp.; 28.II.2005 → 2005, 2 specs from *Quercus* sp. (in dead twigs). It was also obtained from *Juglans regia* by KOVACS *et al.* (1999)

Exocentrus adspersus Mulsant, 1846. Bârnova forest (IS), 28.II.2005 → IV.-V.2005, 130 specs from *Quercus* sp.; 28.II.2005 → 2005, 2 specs from *Tilia* sp.; 20.03.2005 → 16.IV.2005-10.V. 2005,

45 specs from *Quercus* sp.; 9.IV.2005 → 24.V.2005, 15 specs from *Carpinus betula*; 9.IV.2005 → 2005, 40 specs from *Carpinus betula*; Gârleni (BC), 18.VII.2005 → 20.IV.2006 1 spec. from *Fagus* sp.; Leorda (BT), 20.IV.2006 → 10.V.2006, 1 spec. from *Cornus mas*; Slava Rusă-Babadag (TL), 30.IV.2006 → 23.V.2006, 1 spec. from *Tilia* sp. In dead, dry twigs.

Exocentrus lusitanus (Linnaeus, 1767). Bârnova forest (IS), 10.IV.2006 → 10.V.2006, 2 specs; 10.IV.2006 → 21-22.V.2006, 7 specs from *Tilia* sp. (in dead, dry twigs).

Tetrops praeusta (Linnaeus, 1758). Botanical Garden of Iasi (IS), 19.IV.2004 → V.2004, 4 specs from *Malus* sp. (in dead twigs). It was also obtained from *Cotinus coggygria* by NEGRU (1965), NEGRU & ROȘCA (1967).

Saperda scalaris (Linnaeus, 1758). Bârnova forest (IS), 3.III.2003 → 23.III.2003, 8 specs from *Cerasus avium* (larvae in pupal cell in wood and under bark of a dying trunk). It was also obtained from *Alnus* sp. by NEGRU (1959) and from *Juglans regia* by KOVACS *et al.* (1999).

Saperda octopunctata (Scopoli, 1792). Bârnova forest (IS), 21.IV.2004 → VI. 2004, 1 spec. from *Tilia* sp. (pupa in wood). It was also obtained from *Tilia* sp. by KOVACS *et al.* (1999).

Saperda populnea (Linnaeus, 1758). Probota (IS), 6.IV.2006 → 23.IV.2006, 6 specs from *Populus tremula* (from galls on living twigs). It was also obtained from *Populus nigra* by RĂDOI & MIHALACHE (1960).

Stenostola ferrea (Schrank, 1776). Bârnova forest (IS), 21.IV.2004 → V.2004, 4 specs from *Tilia* sp. (pupal cells at the limit between bark and wood of a fallen trunk); 28.II.2005 → 17.III.2005, 2 specs from *Cerasus avium* (in dead branches); 20.III.2005 → 5.IV.2005, 1 spec. from *Quercus* sp. (in dead branches); 10.IV.2006 → 20.IV.2006, 4 specs from *Tilia* sp. (in dead branches).

Phytoecia cylindrica (Linnaeus, 1758). Botanical Garden of Iași (IS), 15.VII.2002 → 4.XI.2002, 3 specs from *Chaerophyllum aromaticum* (pupae in roots).

Phytoecia nigricornis (Fabricius, 1781). Maliuc-Danube Delta (TL), 20.VIII. 2002 → 2003, 2 specs from *Chrysanthemum vulgare* (pupae and larvae in roots).

Phytoecia icterica (Schaller, 1783). Podoleni (NT), 23.VII.2002 → XI.2002, 3 specs from *Pastinaca sativa* (in roots).

Phytoecia coerulescens (Scopoli, 1763). «Valea lui David» Natural Reserve (IS), 27.VIII.2002;

28.XI.2002 → 2.VII.-5.VII. 2003, 4 specs from *Echium vulgare* (in roots).

Phytoecia uncinata (Redtenbacher, 1842). «Valea lui David» Natural Reserve (IS), 28.XI.2002 → V. 2003, 1 spec. from *Cerinth minor* (in roots).

Calamobius filum (Rossi, 1790). Bârnova forest (IS), IV.2004 → VI.2004, 1 spec. from *Dactylis glomerata*; Agigea Natural Reserve (CT), 15.V.2005 → 20.V.2005, 1 spec. from *Leymus sabulosus* (in stem).

Agapanthia dahli (Richter, 1821). Valea Lupului (IS), (leg. Mitroiu M.) 2004, 1 spec. probably from *Sambucus ebulus* (in stem). It was also obtained from *Helianthus annuus* by ROMAȘCU *et al.* (1960).

Agapanthia cardui (Linnaeus, 1767). Bârnova forest (IS), 10.IV.2006 → 30.V.2006, 1 spec. from *Erigeron annuus* (in root).

Conclusions

The food plants of most longhorn beetles are already well known, our data just confirming the previous records. For other species we extended the food plant list. This is the case of *Agapanthia cardui* who apparently was never reared from *Erigeron annuus*. The situation is similar for *Calamobius filum* (that we obtained from *Leymus sabulosus*), *Neodorcadion bilineatum*, *Dorcadion fulvum* and *D. pedestre* (found as pupae under the roots of *Lolium perenne*).

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