

FAMILY NITIDULIDAE (Sap beetles)

J. McNamara

One hundred species of Nitidulidae occur in Canada and Alaska. Members of this family are mostly saprophagous and mycetophagous. The majority of them live in decaying fruit, fermenting plant juice and in fungi, but some also live in flowers. Some species breed in the nests of bumblebees and others in carrion. The larvae of some species prey on scolytids; the larvae of other species are considered fungivorous and the larvae of Cateretinae live in seed capsules of various plants with the adults of these species feeding on the pollen and petals of the same plants or sometimes of others.

Parsons (1943) published a revision of the Nearctic Nitidulidae and most western species can be keyed out also using Hatch (1962).

AK (17); YK (10); NT (7); BC (63); AB (32); SK (13); MB (43); ON (56); PQ (58); NB (13); NS (13); PE (3); LB (1); NF (10); H (3); I (6)

Subfamily CATERETINAE

Genus HETERHELUS Jacquelin du Val

H. pennatus (Murray)	-	-	-	BC	-	-	-	ON	PQ	-	-	-	-	-	NF
crinitus (Murray)															
H. sericans (LeConte)	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-

Genus CATERETES Herbst

(Subgenus CATERETES s.str.)

C. scissus Parsons	AK	-	NT	-	AB	SK	-	ON	PQ	-	-	-	-	-	-
bipustulatus (Paykull)															

Genus BOREADES Parsons

B. abdominalis (Erichson)	-	-	-	-	-	-	-	MB	ON	PQ	-	-	-	-	-
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Genus BRACHYPTERUS Kugelann

B. globularius Murray	-	-	-	BC	AB	-	-	-	-	-	-	-	-	-	-
B. troglodytes Murray	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-
B. urticae (Fabricius)(+)	-	-	NT	BC	AB	SK	MB	ON	PQ	-	-	-	-	-	NF
pusillus (Melsheimer)															

Genus BRACHYPTEROLUS Grouvelle

B. pulicarius (Linné)+ mordelloides Notman	-	-	-	-	AB	SK	MB	ON	PQ	NB	NS	PE	-	-	NF
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Subfamily CARPOPHILINAE

Genus CONOTELUS Erichson

C. obscurus Erichson - - - - - MB ON PQ NB - - - -

Genus COLOPTERUS Erichson

Colastus Erichson

Cyllopodus Murray

Key to North American species: Parry & Howden (1975)

C. maculatus (Erichson) - - - - - ON - - - - -
C. semitectus (Say) - - - - - ON PQ - - - - -
C. truncatus (Randall) - YK - BC - SK MB ON PQ - - - - -
infimus (Erichson)
limbatus (LeConte)
obliquus (LeConte)

Genus CARPOPHILUS Stephens

(Subgenus CARPOPHILUS s.str.)

(Tribrachys LeConte)

C. antiquus Melsheimer - - - - - - - - - - -
C. brachypterus (Say) - - - - - MB ON PQ - - - - -
carbonatus LeConte
C. dimidiatus (Fabricius) - - - - - ON PQ - - - - -
C. discoideus LeConte - - - BC - - - ON - - - - -
apicalis LeConte
caudalis (LeConte)
C. hemipterus (Linné) AK - - BC - - - ON PQ - - - - -
bimaculatus Melsheimer
C. ligneus Murray AK - - - - - - - - - - -
decipiens Horn
C. lugubris Murray - - - - - AB - - - ON - - - - -
C. marginellus Motschulsky - - - - - MB ON PQ - - - - -
nitens Fall
C. mutilatus Erichson - - - BC - - - - - - - - - - -
luridus Murray
C. pallipennis (Say) - - - - - AB SK - - - - - - - - - - -
pollens Sharp
C. sayi Parsons - - - - - MB - PQ - - - - -

Subfamily NITIDULINAE

Genus EPURAEA Erichson

Epuraeanella Crotch

E. adumbrata Mannerheim AK - NT BC AB - - - PQ - - - - -
E. aestiva (Linné)+ AK - - BC AB - MB ON PQ - - - - - NF
convexiuscula Mannerheim
depressa (Illiger)
E. alternans Grouvelle - - - BC - - - - - - - - - - -
alticola Fall
E. alternata Parsons - - - - - ON PQ - - - - -
E. ambigua Mannerheim AK - - BC - - - - - - - - - - -
E. avara (Randall) AK YK - BC - - MB ON PQ NB NS - - - NF

nubila LeConte														
E. boreades Parsons	-	-	-	BC	-	-	-	ON	PQ	NB	-	-	-	-
E. corticina Erichson	-	-	-	-	-	-	-	-	PQ	-	-	-	-	-
E. erichsoni Reitter	-	-	NT	BC	-	SK	MB	ON	PQ	-	-	-	-	-
E. flavomaculata Maklin	AK	-	-	-	AB	-	MB	ON	PQ	NB	-	-	-	-
E. fulvescens Horn	-	-	-	-	-	-	-	ON	PQ	-	-	-	-	-
E. helvola Erichson	-	-	-	-	-	SK	MB	ON	PQ	-	-	-	-	-
castanea (Melsheimer)														
rufa Reitter														
E. horni Crotch	-	-	-	-	-	-	-	ON	PQ	-	-	-	-	-
duryi Blatchley														
E. labilis Erichson	-	-	-	BC	-	-	MB	ON	PQ	-	NS	-	-	-
E. linearis Maklin	AK	-	-	BC	AB	-	-	-	PQ	-	-	-	-	-
E. obliquus Hatch	-	-	-	BC	AB	-	-	-	PQ	NB	-	-	-	-
E. obtusicollis Reitter	-	-	-	BC	AB	-	MB	-	PQ	-	-	-	-	-
E. ovata Horn	-	-	-	BC	-	-	MB	-	PQ	-	-	-	-	-
E. parsonsi Connell	-	YK	-	BC	-	-	-	-	PQ	-	NS	-	-	NF
E. peltoides Horn	-	-	-	-	-	-	MB	ON	PQ	-	-	-	-	-
E. planulata Erichson	AK	-	-	BC	AB	-	MB	ON	PQ	NB	-	-	-	-
placida Maklin														
E. populi Dodge	-	-	-	BC	AB	-	MB	-	PQ	-	-	-	-	-
E. rufa (Say)	-	-	-	-	-	-	-	ON	PQ	-	-	-	-	-
badia (Melsheimer)														
rotundicollis Reitter														
E. rufida (Melsheimer)	-	-	-	-	-	-	-	ON	PQ	-	-	-	-	-
E. terminalis Mannerheim*	AK	YK	-	BC	AB	-	MB	ON	PQ	NB	-	-	-	-
infuscata Maklin														
E. truncatella Mannerheim	AK	YK	NT	BC	AB	SK	MB	ON	PQ	-	-	-	LB	NF
nigra Maklin														
ornatula Notman														
E. umbrosa Horn	-	-	-	-	-	-	-	-	-	NB	-	-	-	-

Genus APHENOLIA Reitter

A. monogama (Crotch)	-	-	-	BC	-	-	-	-	-	-	-	-	-	-
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Genus STELIDOTA Erichson

S. octomaculata (Say)	-	-	-	-	-	-	-	ON	PQ	-	-	-	-	-
biseriata Reitter														

Genus OMOSITA Erichson

(Subgenus SAPROBIA Ganglbauer)

O. colon (Linné)(+)	-	-	-	BC	-	-	MB	ON	PQ	NB	NS	-	-	NF
O. discoidea (Fabricius)(+)	AK	-	-	BC	AB	-	MB	ON	PQ	-	NS	-	-	-
inversa LeConte														

Genus NITIDULA Fabricius

N. bipunctata (Linné)+	AK	YK	-	BC	AB	-	MB	ON	PQ	-	-	-	-	-
N. carnaria (Schaller)+	-	-	-	BC	-	-	-	ON	-	-	NS	-	-	-

Genus AMPHICROSSUS Erichson

A. ciliatus (Olivier) - - - - - ON - - - - -
 unilineatus (Say)

Genus CYCHRAMUS Kugelann
 Quadrifrons Blatchley

C. adustus Erichson - - - - - ON PQ - - - - -

Genus PALLODES Erichson

P. pallidus (Palisot de Beauvois) - - - - - ON - - - - -
 silaceus Erichson

Genus CYLLODES Erichson

C. biplagiatus LeConte - - - - - MB - - - - -

Subfamily MELIGETHINAE

Genus MELIGETHES Stephens

Key to North American species: Easton (1955)

M. atratus Olivier+ - - - BC - - - - -
 M. canadensis Easton AK YK - BC AB - MB ON PQ - - - - -
 M. cleominis Easton - - - BC AB SK MB - - - - -
 M. dauricus Motschulsky* - - - BC - SK MB - - - - -
 californicus Reitter
 moerens LeConte
 rufimanus LeConte
 M. nigrescens Stephens* - YK - BC AB - MB ON PQ - NS PE - -
 seminulum LeConte
 M. pinguis Horn - - - - - - - - - - - NF
 M. saevus LeConte - - - - AB - MB - - - - -
 M. simplipes Easton - - - - - ON - - NS PE - -

Subfamily CRYPTARCHINAE

Genus PITYOPHAGUS Shuckard

P. rufipennis Horn - - - BC - - - - -

Genus CRYPTARCHA Shuckard

(Subgenus CRYPTARCHA s.str.)

C. ampla Erichson - - - BC - - MB ON PQ - - - - -

