

Preliminary List of Minnesota Bees

Please note: This is a preliminary list. Species are expected to be added or removed as surveys are completed and specimen identifications are confirmed.

Through this project funded by the Minnesota Environment and Natural Resources Trust Fund (ENRTF), the state species list of Minnesota bees now stands at 466 species.

In compiling this list, the project coordinator/bee specialist consulted 11 museum collections and 16 additional sources, including personal collections, student theses, informal reports, published literature, and recent survey data from collaborators.

The list was made possible through fieldwork and databasing efforts of MNDNR staff and volunteers. Joel Gardner with the ENRTF project Enhancing Pollinator Landscape also contributed to databasing and identifying museum specimens. A special thanks to the numerous collection managers who provided access to historical specimens. In particular, data were collected from collections of Minnesota bees at the University of Minnesota Insect Collection, the University of Minnesota Duluth, the American Museum of Natural History, the Illinois Natural History Survey, the North Dakota State Insect Reference Collection, the Wisconsin Insect Reference Collection, the Iowa State Insect Collection, and the Severin-McDaniel Insect Research Collection at South Dakota State University.

All data on flight season, nesting, sociality, and host plants/bees was compiled by John Ascher and simplified by MNDNR.

Flight Season: Numbers indicate months when a species is known to fly across its entire range. This data is not specific to Minnesota. For example, Minnesota has a shorter flight season than more southern states, and bees do not fly prior to April. Brackets indicate atypical months.

Nest: Categories include Burrow, Cavity, Hive, Pithy Stems, Soil, and Wood.

Sociality: Categories include Solitary, Communal, Subsocial, Eusocial, and Parasite.

Plant [or Insect] Host: Some bees—including species called oligoleges—collect pollen from only certain plant taxa, which are listed here. Some bees parasitize other bee species, and their host taxa are listed in brackets.

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Scientific Name		Flight Season	Nest	Sociality	Plant [or Insect] Host	
					Family	Genus
Plasterer, Yellow-faced Bees – Family Colletidae						
<i>Colletes</i>	<i>aberrans</i>	6-8	Soil	Solitary		
<i>Colletes</i>	<i>albescens</i>					
<i>Colletes</i>	<i>americanus</i>					
<i>Colletes</i>	<i>andrewsi</i>					
<i>Colletes</i>	<i>brevicornis</i>	3-6	Soil	Solitary		
<i>Colletes</i>	<i>compactus</i>					
<i>Colletes</i>	<i>consors</i>	4-8	Soil	Solitary		
<i>Colletes</i>	<i>hyalinus</i>	4-10	Soil	Solitary		
<i>Colletes</i>	<i>impunctatus</i>	6-7	Soil	Solitary		
<i>Colletes</i>	<i>inaequalis</i>	3-7 [8-9]	Soil	Solitary		
<i>Colletes</i>	<i>kincaidii</i>	6-9	Soil	Solitary		
<i>Colletes</i>	<i>latitarsis</i>	3-9	Soil	Solitary	Solanaceae	<i>Physalis</i>
<i>Colletes</i>	<i>mandibularis</i>					
<i>Colletes</i>	<i>nudus</i>					
<i>Colletes</i>	<i>phaceliae</i>	6-9	Soil	Solitary		
<i>Colletes</i>	<i>robertsonii</i>	6-8	Soil	Solitary		
<i>Colletes</i>	<i>rufocinctus</i>	8-9	Soil	Solitary		
<i>Colletes</i>	<i>simulans</i>	1, 5-11	Soil	Solitary	Asteraceae	
<i>Colletes</i>	<i>solidaginis</i>	7-9	Soil	Solitary		
<i>Colletes</i>	<i>speculiferus</i>	4-11	Soil	Solitary		
<i>Colletes</i>	<i>susannae</i>	7-8	Soil	Solitary		
<i>Colletes</i>	<i>validus</i>					
<i>Colletes</i>	<i>willistoni</i>					
<i>Colletes</i>	<i>wilmattae</i>	6-9	Soil	Solitary		
<i>Hylaeus</i>	<i>affinis</i>	4-10	Cavity	Solitary		
<i>Hylaeus</i>	<i>annulatus</i>	4-10	Cavity	Solitary		
<i>Hylaeus</i>	<i>basalis</i>	5-8	Cavity	Solitary	Rosaceae	
<i>Hylaeus</i>	<i>fedorica</i>	6-7	Cavity	Solitary		
<i>Hylaeus</i>	<i>floridanus</i>	4-10	Cavity	Solitary		
<i>Hylaeus</i>	<i>illinoisensis</i>					
<i>Hylaeus</i>	<i>leptocephalus</i>					
<i>Hylaeus</i>	<i>mesillae</i>	4-10	Cavity	Solitary		
<i>Hylaeus</i>	<i>modestus</i>	5-9	Cavity	Solitary		
<i>Hylaeus</i>	<i>nelumbonis</i>					
<i>Hylaeus</i>	<i>rudbeckiae</i>	5-10	Cavity	Solitary		
<i>Hylaeus</i>	<i>saniculae</i>	6-8	Cavity	Solitary		
<i>Hylaeus</i>	<i>sparsus</i>					
<i>Hylaeus</i>	<i>verticalis</i>	4-8	Cavity	Solitary		
Mining Bees -- Family Andrenidae						
<i>Andrena</i>	<i>algida</i>					

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					Family	Genus
<i>Andrena</i>	<i>aliciae</i>	7-9	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>allegghaniensis</i>	4-7	Soil	Solitary		
<i>Andrena</i>	<i>andrenoides</i>	3-8	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>arabis</i>					
<i>Andrena</i>	<i>asteris</i>	8-10	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>barbilabris</i>	3-7 [8-9]	Soil	Solitary		
<i>Andrena</i>	<i>bisalicis</i>	2-9	Soil	Solitary		
<i>Andrena</i>	<i>bradleyi</i>	3-9	Soil	Solitary	Ericaceae	
<i>Andrena</i>	<i>brevipalpis</i>	5-10	Soil	Solitary		
<i>Andrena</i>	<i>canadensis</i>	8-10	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>carlini</i>	3-7 [8]	Soil	Solitary		
<i>Andrena</i>	<i>carolina</i>	4-7	Soil	Solitary	Ericaceae	<i>Vaccinium</i>
<i>Andrena</i>	<i>ceanothi</i>	5-6	Soil	Solitary		
<i>Andrena</i>	<i>chromotricha</i>	7-9	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>clarkella</i>	3-8	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>colletina</i>					
<i>Andrena</i>	<i>commoda</i>	4-7	Soil	Solitary		
<i>Andrena</i>	<i>cragini</i>	5-6	Soil	Solitary		<i>Amorpha</i>
<i>Andrena</i>	<i>crataegi</i>	3-8	Soil	Solitary		
<i>Andrena</i>	<i>cressonii</i>	3-8	Soil	Solitary		
<i>Andrena</i>	<i>distans</i>					
<i>Andrena</i>	<i>dunningi</i>	2-7 [8]	Soil	Solitary		
<i>Andrena</i>	<i>erigeniae</i>					
<i>Andrena</i>	<i>erythrogaster</i>	2-7	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>erythronii</i>	3-6	Soil	Solitary		<i>Erythronium</i>
<i>Andrena</i>	<i>forbesii</i>	4-6	Soil	Solitary		
<i>Andrena</i>	<i>fragilis</i>					
<i>Andrena</i>	<i>frigida</i>	2-7	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>geranii</i>	4-7	Soil	Solitary		
<i>Andrena</i>	<i>haynesi</i>					
<i>Andrena</i>	<i>helianthi</i>	7-9	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>helianthiformis</i>					
<i>Andrena</i>	<i>hippotes</i>	4-6	Soil	Solitary		
<i>Andrena</i>	<i>hirticincta</i>	8-10	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>illinoisensis</i>	3-7	Soil	Solitary		
<i>Andrena</i>	<i>imitatrix</i>	3-7	Soil	Solitary		
<i>Andrena</i>	<i>integra</i>	5-8	Soil	Solitary	Cornaceae	<i>Cornus</i>
<i>Andrena</i>	<i>krigiana</i>	3-7	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>lupinorum</i>	5-8	Soil	Solitary		
<i>Andrena</i>	<i>macoupinensis</i>					
<i>Andrena</i>	<i>mandibularis</i>	3-7	Soil	Solitary		

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					Family	Genus
<i>Andrena</i>	<i>mariae</i>	4-7	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>melanochroa</i>	3-7	Soil	Solitary	Rosaceae	
<i>Andrena</i>	<i>milwaukeensis</i>	3-8	Soil	Solitary		
<i>Andrena</i>	<i>miranda</i>	5-8	Soil	Solitary		
<i>Andrena</i>	<i>miserabilis</i>	1-7 [8-9]	Soil	Solitary		
<i>Andrena</i>	<i>nasonii</i>	3-7	Soil	Solitary		
<i>Andrena</i>	<i>nigrae</i>	3-7	Soil	Solitary		
<i>Andrena</i>	<i>nigrihirta</i>	3-8	Soil	Solitary		
<i>Andrena</i>	<i>nivalis</i>	2-8	Soil	Solitary		
<i>Andrena</i>	<i>nubecula</i>	7-10	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>nuda</i>					
<i>Andrena</i>	<i>peckhami</i>	9	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>perplexa</i>					
<i>Andrena</i>	<i>persimulata</i>	4-7	Soil	Solitary	Cornaceae	<i>Cornus</i>
<i>Andrena</i>	<i>placata</i>	7-9	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>platyparia</i>	5-7	Soil	Solitary	Cornaceae	<i>Cornus</i>
<i>Andrena</i>	<i>polemonii</i>					
<i>Andrena</i>	<i>quintilis</i>	4-7	Soil	Solitary		
<i>Andrena</i>	<i>regularis</i>	4-7	Soil	Solitary		
<i>Andrena</i>	<i>robertsonii</i>	4-8	Soil	Solitary		
<i>Andrena</i>	<i>robervalensis</i>					
<i>Andrena</i>	<i>rudbeckiae</i>	6-8	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>rufosignata</i>	4-8	Soil	Solitary		
<i>Andrena</i>	<i>rugosa</i>	3-6	Soil	Solitary		
<i>Andrena</i>	<i>runcinatae</i>	7-10	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>salictaria</i>	3-6	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>sigmundi</i>	5-7	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>simplex</i>	7-9	Soil	Solitary	Asteraceae	
<i>Andrena</i>	<i>spiraeana</i>	6-8	Soil	Solitary		
<i>Andrena</i>	<i>surda</i>					
<i>Andrena</i>	<i>thaspiae</i>	4-8	Soil	Solitary		
<i>Andrena</i>	<i>tridens</i>	3-7	Soil	Solitary		
<i>Andrena</i>	<i>vicina</i>	3-7 [8-9]	Soil	Solitary		
<i>Andrena</i>	<i>virginiana</i>	6-8	Soil	Solitary		
<i>Andrena</i>	<i>wellesleyana</i>	3-7	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Andrena</i>	<i>wheeleri</i>	4-7	Soil	Solitary		
<i>Andrena</i>	<i>wilkella</i>	4-9	Soil	Solitary		
<i>Andrena</i>	<i>w-scripta</i>	2-9 [10]	Soil	Solitary		
<i>Andrena</i>	<i>ziziae</i>	4-6 [7, 9]	Soil	Solitary		
<i>Andrena</i>	<i>wilmattae</i>	5-7	Soil	Solitary		
<i>Calliopsis</i>	<i>andreniformis</i>	4-10	Soil	Solitary	esp. Fabaceae	

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<i>Calliopsis</i>	<i>coloradensis</i>	6-10	Soil	Solitary	Asteraceae	
<i>Calliopsis</i>	<i>nebraskensis</i>	6-9	Soil	Solitary	Verbenaceae	<i>Verbena</i>
<i>Perdita</i>	<i>albipennis</i>	6-9	Soil	Solitary	Asteraceae	<i>Helianthus</i>
<i>Perdita</i>	<i>bequaerti</i>	7-10	Soil	Solitary	Asteraceae	
<i>Perdita</i>	<i>bruneri</i>					
<i>Perdita</i>	<i>fallax</i>					
<i>Perdita</i>	<i>halictoides</i>					
<i>Perdita</i>	<i>maculigera</i>	3-7	Soil	Solitary	Salicaceae	<i>Salix</i>
<i>Perdita</i>	<i>octomaculata</i>	7-10	Soil	Solitary	Asteraceae	
<i>Perdita</i>	<i>perpallida</i>	7-8	Soil	Solitary	Fabaceae	<i>Dalea</i>
<i>Perdita</i>	<i>swenki</i>	7-9	Soil	Solitary	Asteraceae	
<i>Protandrena</i>	<i>bancrofti</i>					
<i>Pseudopanurgus</i>	<i>aestivalis</i>	8-9	Soil	Solitary	Asteraceae	
<i>Pseudopanurgus</i>	<i>albitarsis</i>					
<i>Pseudopanurgus</i>	<i>andrenoides</i>	8-10	Soil	Solitary	Asteraceae	
<i>Pseudopanurgus</i>	<i>labrosus</i>	7-9	Soil	Solitary	Asteraceae	
<i>Pseudopanurgus</i>	<i>parvus</i>					
<i>Pseudopanurgus</i>	<i>pauper</i>	7	Soil	Solitary	Rhamnaceae	<i>Ceanothus</i>
<i>Pseudopanurgus</i>	<i>rudbeckiae</i>					
<i>Pseudopanurgus</i>	<i>simulans</i>		Soil	Solitary	Asteraceae	
<i>Pseudopanurgus</i>	<i>solidaginus</i>					
Sweat Bees -- Family Halictidae						
<i>Agapostemon</i>	<i>sericeus</i>	4-10	Soil	Solitary, Communal		
<i>Agapostemon</i>	<i>splendens</i>	4-8	Soil	Solitary, Communal		
<i>Agapostemon</i>	<i>texanus</i>	4-9	Soil	Solitary, Communal		
<i>Agapostemon</i>	<i>virescens</i>	5-10	Soil	Solitary, Communal		
<i>Augochlora</i>	<i>pura</i>	4-10	Wood	Solitary		
<i>Augochlorella</i>	<i>aurata</i>	4-10	Soil	Eusocial		
<i>Augochlorella</i>	<i>persimilis</i>	3-9	Soil	Eusocial		
<i>Augochloropsis</i>	<i>metallica</i>	3-11	Soil	Solitary		
<i>Augochloropsis</i>	<i>sumptuosa</i>					
<i>Dieunomia</i>	<i>heteropoda</i>	6-10	Soil	Solitary, Communal	Asteraceae	<i>Helianthus</i>
<i>Dieunomia</i>	<i>triangulifera</i>	8-10	Soil	Solitary, Communal		
<i>Dufourea</i>	<i>maura</i>					
<i>Dufourea</i>	<i>marginata</i>	6-9	Soil	Solitary	Asteraceae	
<i>Dufourea</i>	<i>monardae</i>	7-8	Soil	Solitary	Lamiaceae	<i>Monarda</i>
<i>Dufourea</i>	<i>novaeangliae</i>					
<i>Halictus</i>	<i>confusus</i>	4-10	Soil	Eusocial		
<i>Halictus</i>	<i>ligatus</i>	1-12	Soil	Eusocial		
<i>Halictus</i>	<i>parallelus</i>	3-8	Soil	Eusocial		
<i>Halictus</i>	<i>rubicundus</i>	3-9	Soil	Eusocial		

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					Family	Genus
<i>Lasioglossum</i>	<i>abanci</i>					
<i>Lasioglossum</i>	<i>acuminatum</i>	4-10	Soil	Solitary, Communal		
<i>Lasioglossum</i>	<i>admirandum</i>	3-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>albipenne</i>	5-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>anomalum</i>	5-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>athabascense</i>	4-10	Soil	Solitary, Communal		
<i>Lasioglossum</i>	<i>atwoodi</i>					
<i>Lasioglossum</i>	<i>birkmanni</i>	4-9	Soil	Solitary		
<i>Lasioglossum</i>	<i>bruneri</i>					
<i>Lasioglossum</i>	<i>callidum</i>	3-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>cattellae</i>					
<i>Lasioglossum</i>	<i>cinctipes</i>	3-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>coeruleum</i>	3-10	Wood	Eusocial		
<i>Lasioglossum</i>	<i>comagenense</i>	6-7	Soil	Eusocial		
<i>Lasioglossum</i>	<i>coriaceum</i>	3-10	Soil	Solitary, Communal		
<i>Lasioglossum</i>	<i>cressonii</i>	3-10	Wood	Eusocial		
<i>Lasioglossum</i>	<i>divergens</i>					
<i>Lasioglossum</i>	<i>dreisbachi</i>	5-8	Soil	Eusocial		
<i>Lasioglossum</i>	<i>ellisiae</i>		Soil	Eusocial		
<i>Lasioglossum</i>	<i>ephialtum</i>	6-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>fattigi</i>					
<i>Lasioglossum</i>	<i>floridanum</i>					
<i>Lasioglossum</i>	<i>foveolatum</i>					
<i>Lasioglossum</i>	<i>foxii</i>	4-9	Soil	Solitary		
<i>Lasioglossum</i>	<i>hartii</i>	5-8	Soil	Eusocial		
<i>Lasioglossum</i>	<i>heterognathum</i>	4-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>hitchensi</i>					
<i>Lasioglossum</i>	<i>illinoense</i>	3-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>imitatum</i>	4-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>inconditum</i>		Soil			
<i>Lasioglossum</i>	<i>katherineae</i>					
<i>Lasioglossum</i>	<i>laevissimum</i>	3-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>leuocomum</i>	5-8	Soil	Eusocial		
<i>Lasioglossum</i>	<i>leucozonium</i>	5-10	Soil	Solitary, Communal		
<i>Lasioglossum</i>	<i>lineatulum</i>	4-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>lustrans</i>					
<i>Lasioglossum</i>	<i>macoupinense</i>	6-7	Soil	Solitary		
<i>Lasioglossum</i>	<i>nelumbonis</i>	3-11	Soil	Solitary	Nymphaeales	
<i>Lasioglossum</i>	<i>nigroviride</i>					
<i>Lasioglossum</i>	<i>novascotiae</i>					
<i>Lasioglossum</i>	<i>oblongum</i>	3-10	Wood	Eusocial		

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<i>Lasioglossum</i>	<i>obscurum</i>	4-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>oceanicum</i>	4-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>paradmirandum</i>	4-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>paraforbesii</i>	4-10	Soil	Solitary, Communal		
<i>Lasioglossum</i>	<i>pectinatum</i>					
<i>Lasioglossum</i>	<i>pectorale</i>	3-11	Soil	Solitary		
<i>Lasioglossum</i>	<i>perpunctatum</i>	4-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>pictum</i>	4-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>pilosum</i>					
<i>Lasioglossum</i>	<i>planatum</i>					
<i>Lasioglossum</i>	<i>platyparium</i>	10-11	Soil	Parasite	[Halictidae]	[<i>Lasioglossum</i>]
<i>Lasioglossum</i>	<i>pruinatum</i>	3-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>quebecense</i>	3-9	Soil			
<i>Lasioglossum</i>	<i>rufulipes</i>					
<i>Lasioglossum</i>	<i>sagax</i>					
<i>Lasioglossum</i>	<i>seillean</i>					
<i>Lasioglossum</i>	<i>semicaeruleum</i>	8	Soil	Eusocial		
<i>Lasioglossum</i>	<i>smilacinae</i>					
<i>Lasioglossum</i>	<i>subversans</i>					
<i>Lasioglossum</i>	<i>subviridatum</i>					
<i>Lasioglossum</i>	<i>succinipenne</i>		Soil	Eusocial		
<i>Lasioglossum</i>	<i>swenki</i>		Soil	Solitary		
<i>Lasioglossum</i>	<i>taylorae</i>					
<i>Lasioglossum</i>	<i>tegulare</i>					
<i>Lasioglossum</i>	<i>tenax</i>					
<i>Lasioglossum</i>	<i>testaceum</i>	7	Soil	Eusocial		
<i>Lasioglossum</i>	<i>texanum</i>	4-12	Soil	Solitary, Communal	Onagraceae	<i>Oenothera</i>
<i>Lasioglossum</i>	<i>timothyi</i>					
<i>Lasioglossum</i>	<i>truncatum</i>	3-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>versans</i>	4-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>versatum</i>	4-11	Soil	Eusocial		
<i>Lasioglossum</i>	<i>vierecki</i>	4-9	Soil	Eusocial		
<i>Lasioglossum</i>	<i>viridatum</i>					
<i>Lasioglossum</i>	<i>zephyrum</i>	3-10	Soil	Eusocial		
<i>Lasioglossum</i>	<i>zonulum</i>	4-10	Soil	Solitary, Communal		
<i>Nomia</i>	<i>nortoni</i>					
<i>Nomia</i>	<i>universitatis</i>	6-9	Soil	Solitary, Communal		
<i>Sphecodes</i>	<i>atlantis</i>	5-9	Soil	Parasite		
<i>Sphecodes</i>	<i>banksii</i>	4-9	Soil	Parasite		
<i>Sphecodes</i>	<i>clematidis</i>					
<i>Sphecodes</i>	<i>confertus</i>	3-8	Soil	Parasite		

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					Family	Genus
<i>Sphecodes</i>	<i>coronus</i>	6-9	Soil	Parasite		
<i>Sphecodes</i>	<i>cressonii</i>	1, 4-9	Soil	Parasite		
<i>Sphecodes</i>	<i>davisii</i>	5-10	Soil	Parasite		
<i>Sphecodes</i>	<i>dichrous</i>	4-9	Soil	Parasite		
<i>Sphecodes</i>	<i>fattigi</i>	4-8	Soil	Parasite		
<i>Sphecodes</i>	<i>galerus</i>					
<i>Sphecodes</i>	<i>heraclei</i>					
<i>Sphecodes</i>	<i>illinoensis</i>	5-10	Soil	Parasite		
<i>Sphecodes</i>	<i>johnsonii</i>					
<i>Sphecodes</i>	<i>levis</i>	5-8	Soil	Parasite		
<i>Sphecodes</i>	<i>mandibularis</i>	5-8	Soil	Parasite		
<i>Sphecodes</i>	<i>minor</i>					
<i>Sphecodes</i>	<i>pimpinellae</i>	5-9	Soil	Parasite		
<i>Sphecodes</i>	<i>prosporus</i>	5-9	Soil	Parasite		
<i>Sphecodes</i>	<i>ranunculi</i>	4-7	Soil	Parasite		
<i>Sphecodes</i>	<i>solonis</i>	5-8	Soil	Parasite		
Melittid Bees -- Family Melittidae						
<i>Macropis</i>	<i>ciliata</i>					
<i>Macropis</i>	<i>nuda</i>	6-8	Soil	Solitary	Primulaceae	<i>Lysimachia</i>
<i>Macropis</i>	<i>patellata</i>					
<i>Macropis</i>	<i>steironematis</i>	6-7	Soil	Solitary	Primulaceae	<i>Lysimachia</i>
Leaf-cutter, Mason Bees -- Family Megachilidae						
<i>Anthidiellum</i>	<i>notatum</i>					
<i>Anthidium</i>	<i>manicatum</i>	6-10	Cavity	Solitary		
<i>Anthidium</i>	<i>oblongatum</i>	6-10	Cavity	Solitary		
<i>Anthidium</i>	<i>psoraleae</i>	7	Cavity	Solitary		
<i>Anthidium</i>	<i>tenuiflorae</i>					
<i>Ashmeadiella</i>	<i>bucconis</i>					
<i>Coelioxys</i>	<i>alternata</i>	6-10	Cavity	Parasite		
<i>Coelioxys</i>	<i>banksi</i>	4-9	Cavity	Parasite		
<i>Coelioxys</i>	<i>bisoncornua</i>	7-9	Cavity	Parasite		
<i>Coelioxys</i>	<i>funeraria</i>	5-9	Cavity	Parasite		
<i>Coelioxys</i>	<i>immaculata</i>					
<i>Coelioxys</i>	<i>modesta</i>					
<i>Coelioxys</i>	<i>moesta</i>	5-9	Cavity	Parasite		
<i>Coelioxys</i>	<i>octodentata</i>	5-10	Cavity	Parasite		
<i>Coelioxys</i>	<i>porterae</i>	6-9	Cavity	Parasite		
<i>Coelioxys</i>	<i>rufitarsis</i>	4-10	Cavity	Parasite		
<i>Coelioxys</i>	<i>sayi</i>	3-10	Cavity	Parasite		
<i>Coelioxys</i>	<i>sodalis</i>	4-9	Cavity	Parasite		
<i>Coelioxys</i>	<i>texana</i>	3-11	Cavity	Parasite		

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					Family	Genus
<i>Dianthidium</i>	<i>simile</i>	7-9	Cavity	Solitary		
<i>Heriades</i>	<i>carinata</i>	4-9	Cavity	Solitary		
<i>Heriades</i>	<i>leavitti</i>					
<i>Heriades</i>	<i>variolosa</i>	4-9	Cavity	Solitary		
<i>Hoplitis</i>	<i>albifrons</i>	5-8	Pithy stems	Solitary		
<i>Hoplitis</i>	<i>pilosifrons</i>	4-7	Pithy stems	Solitary		
<i>Hoplitis</i>	<i>producta</i>	4-7	Pithy stems	Solitary		
<i>Hoplitis</i>	<i>spoliata</i>	4-8	Pithy stems	Solitary		
<i>Hoplitis</i>	<i>truncata</i>	4-8	Pithy stems	Solitary		
<i>Megachile</i>	<i>addenda</i>					
<i>Megachile</i>	<i>brevis</i>	3-12	Cavity	Solitary		
<i>Megachile</i>	<i>campanulae</i>	2-11	Cavity	Solitary		
<i>Megachile</i>	<i>centuncularis</i>	5-9	Cavity	Solitary		
<i>Megachile</i>	<i>dakotensis</i>	7-8	Ground?	Solitary		
<i>Megachile</i>	<i>fortis</i>	7-8		Solitary		
<i>Megachile</i>	<i>frigida</i>	6-9	Cavity	Solitary		
<i>Megachile</i>	<i>gemula</i>	4-8	Cavity	Solitary		
<i>Megachile</i>	<i>inermis</i>	6-9	Cavity	Solitary		
<i>Megachile</i>	<i>lapponica</i>	6-8	Cavity	Solitary		
<i>Megachile</i>	<i>latimanus</i>	5-10	Soil	Solitary		
<i>Megachile</i>	<i>melanophaea</i>	5-8	Soil	Solitary		
<i>Megachile</i>	<i>mendica</i>	5-10	Cavity	Solitary		
<i>Megachile</i>	<i>montivaga</i>	4-9	Cavity	Solitary		
<i>Megachile</i>	<i>parallela</i>					
<i>Megachile</i>	<i>perihirta</i>					
<i>Megachile</i>	<i>pugnata</i>	6-9	Cavity	Solitary	Asteraceae	
<i>Megachile</i>	<i>relativa</i>	5-10	Cavity	Solitary		
<i>Megachile</i>	<i>rotundata</i>	6-9	Cavity	Solitary		
<i>Megachile</i>	<i>rubifrons</i>					
<i>Megachile</i>	<i>sculpturalis</i>					
<i>Megachile</i>	<i>texana</i>	6-8	Cavity	Solitary		
<i>Osmia</i>	<i>albiventris</i>	5-7	Cavity	Solitary		
<i>Osmia</i>	<i>atriventris</i>	4-7	Cavity	Solitary		
<i>Osmia</i>	<i>bucephala</i>	4-6	Cavity	Solitary		
<i>Osmia</i>	<i>caerulescens</i>	3-8	Cavity	Solitary		
<i>Osmia</i>	<i>collinsiae</i>	4-6	Cavity	Solitary		
<i>Osmia</i>	<i>conjuncta</i>	4-7	Cavity	Solitary		
<i>Osmia</i>	<i>cyaneonitens</i>					
<i>Osmia</i>	<i>distincta</i>	5-6	Cavity	Solitary		
<i>Osmia</i>	<i>felti</i>	6	Cavity	Solitary		
<i>Osmia</i>	<i>georgica</i>					

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					Family	Genus
<i>Osmia</i>	<i>lignaria</i>					
<i>Osmia</i>	<i>nigriventris</i>		Cavity	Solitary		
<i>Osmia</i>	<i>proxima</i>					
<i>Osmia</i>	<i>pumila</i>	4-7	Cavity	Solitary		
<i>Osmia</i>	<i>sculleni</i>		Cavity	Solitary		
<i>Osmia</i>	<i>simillima</i>	5-8	Cavity	Solitary		
<i>Osmia</i>	<i>subarctica</i>					
<i>Osmia</i>	<i>tersula</i>	5-7	Cavity	Solitary		
<i>Osmia</i>	<i>virga</i>	4-7	Cavity	Solitary	Ericaceae	
<i>Paranthidium</i>	<i>jugatorium</i>	7-9	Soil	Solitary		
<i>Stelis</i>	<i>coarctatus</i>	6-8	Cavity	Parasite	[Megachilidae]	
<i>Stelis</i>	<i>foederalis</i>	5-7	Cavity	Parasite	[Megachilidae]	
<i>Stelis</i>	<i>labiata</i>					
<i>Stelis</i>	<i>lateralis</i>	3-7	Cavity	Parasite	[Megachilidae]	
<i>Stelis</i>	<i>nitida</i>					
<i>Stelis</i>	<i>submarginata</i>					
<i>Trachusa</i>	<i>zebrata</i>					
Cuckoo, Digger, Bumble, Honey Bees -- Family Apidae						
<i>Anthophora</i>	<i>bomboides</i>	3-8	Burrow	Solitary		
<i>Anthophora</i>	<i>terminalis</i>	5-9	Wood	Solitary		
<i>Anthophora</i>	<i>walshii</i>	7-8	Soil	Solitary		
<i>Apis</i>	<i>mellifera</i>	1-12	Hive	Eusocial		
<i>Bombus</i>	<i>affinis</i>	4-10	Hive	Eusocial		
<i>Bombus</i>	<i>auricomus</i>	5-10	Hive	Eusocial		
<i>Bombus</i>	<i>bimaculatus</i>	2-9	Hive	Eusocial		
<i>Bombus</i>	<i>bohemicus</i>	5-10	Hive	Parasite	[Apidae]	[<i>Bombus</i>]
<i>Bombus</i>	<i>borealis</i>	5-10	Hive	Eusocial		
<i>Bombus</i>	<i>citrinus</i>	5-10	Hive	Parasite	[Apidae]	[<i>Bombus</i>]
<i>Bombus</i>	<i>fernaldae</i>					
<i>Bombus</i>	<i>fervidus</i>	4-10	Hive	Eusocial		
<i>Bombus</i>	<i>fraternus</i>					
<i>Bombus</i>	<i>frigidus</i>					
<i>Bombus</i>	<i>griseocollis</i>	2-10	Hive	Eusocial		
<i>Bombus</i>	<i>huntii</i>					
<i>Bombus</i>	<i>impatiens</i>	1-11	Hive	Eusocial		
<i>Bombus</i>	<i>insularis</i>	3-10	Hive	Parasite	[Apidae]	[<i>Bombus</i>]
<i>Bombus</i>	<i>melanopygus</i>					
<i>Bombus</i>	<i>pennsylvanicus</i>	4-10	Hive	Eusocial		
<i>Bombus</i>	<i>perplexus</i>	4-10	Hive	Eusocial		
<i>Bombus</i>	<i>rufocinctus</i>	2-10	Hive	Eusocial		
<i>Bombus</i>	<i>sandersoni</i>	4-10	Hive	Eusocial		

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					Family	Genus
<i>Bombus</i>	<i>suckleyi</i>					
<i>Bombus</i>	<i>ternarius</i>	4-10	Hive	Eusocial		
<i>Bombus</i>	<i>terricola</i>	4-10	Hive	Eusocial		
<i>Bombus</i>	<i>vagans</i>	5-10	Hive	Eusocial		
<i>Bombus</i>	<i>variabilis</i>					
<i>Ceratina</i>	<i>calcarata</i>	3-10	Pithy stems	Subsocial		
<i>Ceratina</i>	<i>dupla</i>					
<i>Ceratina</i>	<i>mikmaqi</i>					
<i>Epeolus</i>	<i>ainsliei</i>					
<i>Epeolus</i>	<i>autumnalis</i>	7-10 [6]	Soil	Parasite	[Colletidae]	[Colletes]
<i>Epeolus</i>	<i>bifasciatus</i>	2-9	Soil	Parasite	[Colletidae]	[Colletes]
<i>Epeolus</i>	<i>interruptus</i>					
<i>Epeolus</i>	<i>lectoides</i>					
<i>Epeolus</i>	<i>minimus</i>					
<i>Epeolus</i>	<i>pusillus</i>					
<i>Epeolus</i>	<i>scutellaris</i>	6-10	Soil	Parasite	[Colletidae]	[Colletes]
<i>Eucera</i>	<i>atriventris</i>	3-8	Soil	Solitary		
<i>Eucera</i>	<i>dubitata</i>	3-6	Soil	Solitary		
<i>Eucera</i>	<i>hamata</i>	4-8	Soil	Solitary		
<i>Holcopasites</i>	<i>calliopsidis</i>	5-10	Soil	Parasite	[Andrenidae]	
<i>Melissodes</i>	<i>agilis</i>	5-11	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>bidentis</i>	7-8	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>bimaculatus</i>	2-10	Soil	Solitary		
<i>Melissodes</i>	<i>boltoniae</i>	7-11	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>comptoides</i>					
<i>Melissodes</i>	<i>confusus</i>	8	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>coreopsis</i>	6-10	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>denticulatus</i>	5-10	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>dentiventris</i>					
<i>Melissodes</i>	<i>desponsus</i>	6-10	Soil	Solitary	Asteraceae	<i>Cirsium</i>
<i>Melissodes</i>	<i>druriellus</i>	5-11	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>grindeliae</i>		Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>illatus</i>	7-9	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>menuachus</i>	7-10	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>niveus</i>	7-10	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>rivalis</i>	5-10	Soil	Solitary	Asteraceae	<i>Cirsium</i>
<i>Melissodes</i>	<i>snowii</i>					
<i>Melissodes</i>	<i>subagilis</i>			Solitary	Asteraceae	
<i>Melissodes</i>	<i>subillatus</i>	6-9	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>tinctus</i>	8-12	Soil	Solitary	Asteraceae	
<i>Melissodes</i>	<i>trinodis</i>	7-10	Soil	Solitary	Asteraceae	

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					Family	Genus
<i>Melissodes</i>	<i>wheeleri</i>	4-10	Soil	Solitary	Asteraceae	
<i>Nomada</i>	<i>aquilarum</i>	7-8	Soil	Parasite		
<i>Nomada</i>	<i>arenicola</i>					
<i>Nomada</i>	<i>armatella</i>					
<i>Nomada</i>	<i>articulata</i>	5-7	Soil	Parasite	[Halictidae]	[Agapostemon]
<i>Nomada</i>	<i>australis</i>	4-6	Soil	Parasite	[Halictidae]	[Agapostemon]
<i>Nomada</i>	<i>banksi</i>					
<i>Nomada</i>	<i>bella</i>	3-4	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>bethunei</i>					
<i>Nomada</i>	<i>composita</i>					
<i>Nomada</i>	<i>ressonii</i>	4-7	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>cuneata</i>	6 [10]	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>denticulata</i>					
<i>Nomada</i>	<i>depressa</i>	4-7	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>erigeronis</i>	5	Soil	Parasite		
<i>Nomada</i>	<i>fervida</i>	6-8	Soil	Parasite	[Halictidae]	[Agapostemon]
<i>Nomada</i>	<i>florilega</i>					
<i>Nomada</i>	<i>gracilis</i>	4-6	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>graenicheri</i>					
<i>Nomada</i>	<i>illinoensis</i>	4-6	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>imbricata</i>	4-6	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>integerrima</i>	3-8	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>lehighensis</i>	4	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>lepida</i>	5-7	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>louisianae</i>	5	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>luteoloides</i>	4-7	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>maculata</i>	4-6	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>obliterata</i>	5-6	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>ovata</i>	5-6	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>perplexa</i>	6-7	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>pygmaea</i>	4-6 [8]	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>rubi</i>		Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>rubicunda</i>	5-7	Soil	Parasite		
<i>Nomada</i>	<i>sayi</i>	4-7	Soil	Parasite	[Andrenidae]	[Andrena]
<i>Nomada</i>	<i>superba</i>					
<i>Nomada</i>	<i>tiftonensis</i>					
<i>Nomada</i>	<i>vegana</i>					
<i>Nomada</i>	<i>vicina</i>					
<i>Nomada</i>	<i>vincta</i>	7-9	Soil	Parasite		
<i>Nomada</i>	<i>xanthura</i>					
<i>Peponapis</i>	<i>pruinosa</i>					

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					Family	Genus
<i>Svastra</i>	<i>atripes</i>					
<i>Svastra</i>	<i>obliqua</i>	4-11	Soil	Solitary		
<i>Tetraloniella</i>	<i>albata</i>					
<i>Triepeolus</i>	<i>concaus</i>	5-10	Soil	Parasite	[Apidae]	[<i>Svastra</i>]
<i>Triepeolus</i>	<i>cressonii</i>	6-10	Soil	Parasite		
<i>Triepeolus</i>	<i>distinctus</i>	5-10	Soil	Parasite	[Halictidae]	[<i>Dieunomia</i>]
<i>Triepeolus</i>	<i>donatus</i>	7-10	Soil	Parasite		
<i>Triepeolus</i>	<i>eliseae</i>					
<i>Triepeolus</i>	<i>helianthi</i>	6-10	Soil	Parasite	[Apidae]	[<i>Melissodes</i>]
<i>Triepeolus</i>	<i>lunatus</i>	3-10	Soil	Parasite		
<i>Triepeolus</i>	<i>michiganensis</i>					
<i>Triepeolus</i>	<i>obliteratus</i>	7-10	Soil	Parasite		
<i>Triepeolus</i>	<i>occidentalis</i>					
<i>Triepeolus</i>	<i>pectoralis</i>	5, 7-11	Soil	Parasite		
<i>Triepeolus</i>	<i>remigatus</i>					
<i>Triepeolus</i>	<i>rhododontus</i>	8	Soil	Parasite		
<i>Triepeolus</i>	<i>simplex</i>	7-8	Soil	Parasite	[Apidae?]	[<i>Svastra?</i>]
<i>Triepeolus</i>	<i>tanneri</i>					
<i>Xenoglossa</i>	<i>kansensis</i>	6-9	Soil	Solitary	Cucurbitaceae	<i>Cucurbita</i>
<i>Xeromelecta</i>	<i>interrupta</i>		Soil	Parasite	[Apidae]	
<i>Xylocopa</i>	<i>virginica</i>		Soil	Parasite	[Apidae]	