

# Bees on Farms and Floodplains

Out of a total of 114 species, 60 were recorded only on farms, 24 were encountered during both farm and floodplain forest sampling, while 30 were only observed in floodplain forests in Columbia County. This comparison is potentially (our data are still incomplete) interesting because it makes two points: first many of the species that may later be on-farm pollinators, kick off their year in natural areas like floodplain forests, where early-season pollen and nectar resources are available; second, there are nonetheless some bees which rarely if ever appear in adjacent field habitats later in the year (e.g., some of the *Andrena* species, whose short spring flight season may be spent mostly in floodplain forests).

Species registered only from floodplains are denoted by “ff”, those found only on farms are indicated by a “farm” designation, and finally those found at both sites are described as “farm & ff”.

Species	Habitat	Species	Habitat	Species	Habitat
<i>Agostemon texanus</i>	farm	<i>Lasioglossum nymphaearum</i>	farm	<i>Lasioglossum planatum</i>	farm & ff
<i>Andrena alleghaniensis</i>	farm	<i>Lasioglossum pectorale</i>	farm	<i>Lasioglossum quebecense</i>	farm & ff
<i>Andrena carlini</i>	farm	<i>Lasioglossum perpunctatum</i>	farm	<i>Lasioglossum rohweri</i>	farm & ff
<i>Andrena cressonii</i>	farm	<i>Lasioglossum pilosum</i>	farm	<i>Lasioglossum tegulare</i>	farm & ff
<i>Andrena fragilis</i>	farm	<i>Lasioglossum subviridatum</i>	farm	<i>Lasioglossum versans</i>	farm & ff
<i>Andrena nuda</i>	farm	<i>Lasioglossum truncatum</i>	farm	<i>Lasioglossum zephyrum</i>	farm & ff
<i>Andrena pruni</i>	farm	<i>Lasioglossum viridatum group</i>	farm	<i>Osmia pumila</i>	farm & ff
<i>Andrena sp. 11 male</i>	farm	<i>Lasioglossum zonulum</i>	farm	<i>Sphecodes sp. A, female</i>	farm & ff
<i>Andrena sp. E, female</i>	farm	<i>Lasioglossum zophops</i>	farm	<i>Andrena erigeniae</i>	ff
<i>Andrena wilkella</i>	farm	<i>Megachile latimanus</i>	farm	<i>Andrena sp.1 ,male</i>	ff
<i>Anthidium oblongatum</i>	farm	<i>Megachile mendica</i>	farm	<i>Andrena sp.10 ,male</i>	ff
<i>Apis mellifera</i>	farm	<i>Megachile montivaga</i>	farm	<i>Andrena sp.12 ,male</i>	ff
<i>Augochlora pura</i>	farm	<i>Megachile relativa</i>	farm	<i>Andrena sp.2 ,male</i>	ff
<i>Augochloropsis metallica</i>	farm	<i>Megachile rotundata</i>	farm	<i>Andrena sp.3 ,male</i>	ff
<i>Bombus bimaculatus</i>	farm	<i>Melissodes bimaculata</i>	farm	<i>Andrena sp.4 ,male</i>	ff
<i>Bombus citrinus</i>	farm	<i>Osmia lignaria</i>	farm	<i>Andrena sp.5 ,male</i>	ff
<i>Bombus fervidus</i>	farm	<i>Paranthidium jugatorium</i>	farm	<i>Andrena sp.7 ,male</i>	ff
<i>Bombus impatiens</i>	farm	<i>Peponapis pruinosa</i>	farm	<i>Andrena sp.8 ,male</i>	ff
<i>Bombus pensylvanicus</i>	farm	<i>Perdita halictoides</i>	farm	<i>Andrena sp.9 ,male</i>	ff
<i>Bombus vagans</i>	farm	<i>Sphecodes heraclei</i>	farm	<i>Andrena vicina</i>	ff
<i>Calliopsis andreniformis</i>	farm	<i>Sphecodes sp. C, female</i>	farm	<i>Andrena violae</i>	ff
<i>Holcopasites calliopsidis</i>	farm	<i>Xylocopa virginica</i>	farm	<i>Bombus perplexus</i>	ff
<i>Hoplitis producta</i>	farm	<i>Agostemon virescens</i>	farm & ff	<i>Colletes inaequalis</i>	ff
<i>Hoplitis spoliata</i>	farm	<i>Andrena crataegi</i>	farm & ff	<i>Lasioglossum atlanticum</i>	ff
<i>Hylaeus affinis</i>	farm	<i>Andrena nasonii</i>	farm & ff	<i>Lasioglossum carlini</i>	ff
<i>Hylaeus mesillae</i>	farm	<i>Augochlorella aurata</i>	farm & ff	<i>Lasioglossum laevissimum</i>	ff
<i>Hylaeus sp. 1</i>	farm	<i>Bombus ternarius</i>	farm & ff	<i>Nomada bidentate sp. A</i>	ff
<i>Hylaeus sp. 2</i>	farm	<i>Ceratina calcarata</i>	farm & ff	<i>Nomada bidentate sp. B</i>	ff
<i>Hylaeus sp. 3</i>	farm	<i>Ceratina dupla</i>	farm & ff	<i>Nomada bidentate sp. C</i>	ff
<i>Lasioglossum admirandum</i>	farm	<i>Ceratina strenua</i>	farm & ff	<i>Nomada depressa</i>	ff
<i>Lasioglossum anomalum</i>	farm	<i>Halictus confusus</i>	farm & ff	<i>Nomada white spine 1</i>	ff
<i>Lasioglossum bruneri</i>	farm	<i>Halictus ligatus</i>	farm & ff	<i>Nomada wt sp. 2</i>	ff
<i>Lasioglossum cinctipes</i>	farm	<i>Halictus rubicundus</i>	farm & ff	<i>Nomada wt sp. 3</i>	ff
<i>Lasioglossum crossoni</i>	farm	<i>Lasioglossum cattellae</i>	farm & ff	<i>Osmia atriventris</i>	ff
<i>Lasioglossum foxii</i>	farm	<i>Lasioglossum coriaceum</i>	farm & ff	<i>Osmia bucephala</i>	ff
<i>Lasioglossum leucozonium</i>	farm	<i>Lasioglossum cressonii</i>	farm & ff	<i>Osmia cornifrons</i>	ff
<i>Lasioglossum lineatum</i>	farm	<i>Lasioglossum imitatum</i>	farm & ff	<i>Sphecodes sp. B female</i>	ff
<i>Lasioglossum macoupinense</i>	farm	<i>Lasioglossum obscurum</i>	farm & ff	<i>Sphecodes sp. D female</i>	ff