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MAPPING INSECT DIVERSITY IN AN URBAN LANDSCAPE: Plants by Genus and Attracted Insect Families

Shelley Rekte

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MAPPING INSECT DIVERSITY IN AN URBAN LANDSCAPE

Plants by Genus and Attracted Insect Families



Project for Master of Science in Entomology – University of Nebraska–Lincoln - Fall 2019

Shelley Rekte

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
List of plants with plant list grouped by family.

| | | | |
|---|--|---|--|
| Plant list Achillea Agastache Allium Anethum graveolens Aralia Asclepias Buddleia Calamintha Caryopteris Echinacea Eryngium yuccifolium Eutrochium Foeniculum vulgare Heptacodium miconioides Linaria Matricaria recutita Monarda Parthenium integrifolium Physocarpus Pycnanthemum Rudbeckia Salvia Sedum Solidago Tagetes | Amaryllidaceae (Amaryllis) Allium | Asteraceae (Aster) Achillea Echinacea Eutrochium Matricaria recutita Parthenium integrifolium Rudbeckia Solidago Tagetes | Lamiaceae (Mint) Agastache Calamintha Caryopteris Monarda Pycnanthemum Salvia |
| | Apiaceae (Carrot) Anethum graveolens Eryngium yuccifolium Foeniculum vulgare | | Plantaginaceae (Plantain) Linaria |
| | Apocynaceae (Dogbane) Asclepias | Caprifoliaceae (Honeysuckle) Heptacodium miconioides | Rosaceae (Rose) Physocarpus |
| | Araliaceae (Ginseng) Aralia | Crassulaceae (Stonecrop) Sedum | Scrophulariaceae (Figwort) Buddleia |
| | | | |
| | | | |

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
List of insect families with insect list grouped by type.

Insect list

Acrididae
Anthocoridae
Anthomyiidae
Aphididae
Apidae
Araneae (other arthropod)
Asilidae
Berytidae
Braconidae
Calliphoridae
Cantharidae
Cerambycidae
Cercopidae
Chironomidae
Chrysididae
Chrysomelidae
Chrysopidae
Cicadellidae
Coccinellidae
Coenagrionidae
Conopidae
Cydniidae
Dolichopodidae
Empididae
Forficulidae
Formicidae
Gasteruptionidae
Gomphidae
Halictidae
Hesperiidae
Libellulidae
Lycaenidae
Lygaeidae
Megachilidae

Insect list continued

Meloidae
Miridae
Mordellidae
Muscidae
Mydidae
Nymphalidae
Papilionidae
Pentatomidae
Pieridae
Pterophoridae
Pyralidae
Rhopalidae
Ripiphoridae
Sarcophagidae
Scarabaeidae
Sesiidae
Sphecidae
Syrphidae
Tachinidae
Tiphidae
Tipulidae
Ulidiidae
Vespidae
Yponomeutoidea

Herbivore

Acrididae
Aphididae
Berytidae
Cerambycidae
Cercopidae
Chrysomelidae

Herbivore continued

Cicadellidae
Cydniidae
Lygaeidae
Miridae
Pentatomidae
Rhopalidae
Scarabaeidae
Ulidiidae (also a detritivore)

Parasite

Braconidae

Pollinator

Anthomyiidae
Apidae
Calliphoridae (also scavenger)
Cantharidae
Chironomidae
Halictidae
Hesperiidae
Lycaenidae
Megachilidae
Mordellidae
Muscidae
Nymphalidae
Papilionidae
Pieridae
Pterophoridae
Pyralidae
Sesiidae
Tipulidae
Yponomeutoidea

Pollinator/Parasite (larvae)

Chrysididae
Conopidae
Gasteruptionidae
Meloidae
Ripiphoridae
Sarcophagidae
Tachinidae
Tiphidae

Pollinator/Predator

Mydidae
Sphecidae
Syrphidae (predatory larvae)
Vespidae

Predator

Anthocoridae
Araneae (other arthropod)
Asilidae
Chrysopidae
Coccinellidae
Coenagrionidae
Dolichopodidae
Empididae (also pollinates)
Gomphidae
Libellulidae

Scavenger

Forficulidae

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By plant type – in order of highest diversity of insect families.

Allium (Ornamental Onion)

Acrididae
Apidae
Asilidae
Berytidae
Calliphoridae
Cantharidae
Chrysomelidae
Chrysopidae
Cicadellidae
Coenagrionidae
Conopidae
Dolichopodidae
Empididae
Halictidae
Hesperiidae
Lycaenidae
Miridae
Muscidae
Nymphalidae
Pieridae
Sarcophagidae
Sesiidae
Sphecidae
Syrphidae
Syrphidae
Tachinidae
Tipulidae
Ulidiidae
Vespidae
Yponomeutoidea

Asclepias (Milkweed)

Aphididae
Apidae
Araneae (other arthropod)
Asilidae
Berytidae
Calliphoridae
Cantharidae
Cerambycidae
Chrysopidae
Cicadellidae
Coccinellidae
Dolichopodidae
Empididae
Forficulidae
Formicidae
Lygaeidae
Megachilidae
Miridae
Mordellidae
Muscidae
Nymphalidae
Pentatomidae
Pyralidae
Scarabaeidae
Sphecidae
Syrphidae
Tachinidae
Tipulidae
Ulidiidae

Rudbeckia (Black-Eyed Susan)

Apidae
Araneae (other arthropod)
Berytidae
Braconidae
Calliphoridae
Cantharidae
Chrysopidae
Cicadellidae
Cydnidae
Dolichopodidae
Halictidae
Hesperiidae
Lycaenidae
Lygaeidae
Megachilidae
Meloidae
Mordellidae
Nymphalidae
Pieridae
Rhopalidae
Sarcophagidae
Scarabaeidae
Sesiidae
Sphecidae
Syrphidae
Tachinidae
Vespidae

Calamintha (Calamint)

Anthocoridae
Apidae
Asilidae
Berytidae
Calliphoridae
Cantharidae
Chrysididae
Chrysomelidae
Conopidae
Cydnidae
Dolichopodidae
Formicidae
Halictidae
Hesperiidae
Lycaenidae
Megachilidae
Muscidae
Nymphalidae
Pentatomidae
Pieridae
Pyralidae
Sphecidae
Tachinidae
Tipulidae
Ulidiidae

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By plant type – in order of highest diversity of insect families.

Solidago (Goldenrod)

Anthocoridae
Apidae
Braconidae
Calliphoridae
Cantharidae
Chrysomelidae
Cicadellidae
Conopidae
Cydnidae
Dolichopodidae
Empididae
Halictidae
Lycaenidae
Megachilidae
Meloidae
Sphecidae
Syrphidae
Tachinidae
Tipulidae
Ulidiidae
Vespidae

Echinacea (Coneflower)

Apidae
Asilidae
Braconidae
Calliphoridae
Cantharidae
Coccinellidae
Cydnidae
Dolichopodidae
Formicidae
Halictidae
Hesperiidae
Lycaenidae
Megachilidae
Mordellidae
Nymphalidae
Pieridae
Sarcophagidae
Scarabaeidae
Sphecidae
Ulidiidae
Vespidae

Achillea (Yarrow)

Apidae
Berytidae
Calliphoridae
Cantharidae
Chrysididae
Chrysomelidae
Cydnidae
Empididae
Gasteruptionidae
Halictidae
Megachilidae
Mordellidae
Muscidae
Sarcophagidae
Scarabaeidae
Sphecidae
Syrphidae
Tachinidae
Ulidiidae
Vespidae

Aralia (Spikenard)

Anthomyiidae
Araneae (other arthropod)
Asilidae
Braconidae
Calliphoridae
Chironomidae
Chrysomelidae
Chrysopidae
Cicadellidae
Dolichopodidae
Formicidae
Hesperiidae
Pterophoridae
Sarcophagidae
Sesiidae
Sphecidae
Syrphidae
Tachinidae
Tipulidae
Vespidae

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By plant type – in order of highest diversity of insect families.

**Parthenium integrifolium
(Wild Quinine)**

Apidae
Berytidae
Cantharidae
Chrysididae
Cydniidae
Dolichopodidae
Gasteruptiidae
Halictidae
Hesperiidae
Miridae
Mordellidae
Muscidae
Nymphalidae
Pentatomidae
Ripiphoridae
Scarabaeidae
Sphecidae
Vespididae

**Anethum graveolens
(Dill)**

Apidae
Berytidae
Braconidae
Calliphoridae
Cantharidae
Chrysomelidae
Conopidae
Formicidae
Gasteruptiidae
Halictidae
Megachilidae
Miridae
Mordellidae
Papilionidae
Syrphidae
Ulidiidae
Vespididae

Monarda (Beebalm)

Anthocoridae
Apidae
Araneae (other arthropod)
Conopidae
Cydniidae
Dolichopodidae
Halictidae
Hesperiidae
Mordellidae
Nymphalidae
Papilionidae
Pieridae
Sphecidae
Syrphidae
Tipulidae
Ulidiidae
Vespididae

Physocarpus (Ninebark)

Aphididae
Apidae
Araneae (other arthropod)
Braconidae
Calliphoridae
Cercopidae
Chrysomelidae
Formicidae
Muscidae
Nymphalidae
Sarcophagidae
Sphecidae
Syrphidae
Tachinidae
Tipulidae
Ulidiidae

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By plant type – in order of highest diversity of insect families.

Matricaria recutita
(German Chamomile)

Aphididae
Apidae
Calliphoridae
Cydnidae
Formicidae
Halictidae
Megachilidae
Miridae
Mordellidae
Muscidae
Nymphalidae
Sarcophagidae
Syrphidae
Ulidiidae

Eryngium yuccifolium
(Rattlesnake Master)

Apidae
Calliphoridae
Conopidae
Dolichopodidae
Formicidae
Halictidae
Hesperiidae
Lycaenidae
Megachilidae
Mordellidae
Nymphalidae
Sphecidae
Tiphidae
Vespidae

Heptacodium miconioides
(Seven-Son Flower)

Apidae
Cantharidae
Dolichopodidae
Empididae
Hesperiidae
Miridae
Nymphalidae
Papilionidae
Pieridae
Sphecidae
Syrphidae
Vespidae
Yponomeutoidea

Eutrochium (Joe-Pye Weed)

Apidae
Berytidae
Calliphoridae
Cantharidae
Dolichopodidae
Empididae
Formicidae
Halictidae
Hesperiidae
Megachilidae
Nymphalidae
Pieridae
Sphecidae
Syrphidae

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By plant type – in order of highest diversity of insect families.

**Agastache
(Hyssop)**

Apidae
Calliphoridae
Chrysomelidae
Cydniidae
Dolichopodidae
Halictidae
Hesperiidae
Megachilidae
Nymphalidae
Pentatomidae
Pieridae
Syrphidae
Ulidiidae

Salvia (Sage)

Apidae
Araneae (other arthropod)
Calliphoridae
Cantharidae
Cicadellidae
Dolichopodidae
Megachilidae
Pieridae
Pterophoridae
Sarcophagidae
Syrphidae
Tachinidae

Linaria (Toadflax)

Apidae
Calliphoridae
Coenagrionidae
Hesperiidae
Lycaenidae
Megachilidae
Miridae
Nymphalidae
Pentatomidae
Pterophoridae
Sphecidae
Syrphidae

**Foeniculum vulgare
(Fennel)**

Calliphoridae
Chrysomelidae
Cicadellidae
Cydniidae
Halictidae
Miridae
Papilionidae
Pentatomidae
Syrphidae
Vespididae

**Sedum
(Stonecrop)**

Apidae
Calliphoridae
Cantharidae
Dolichopodidae
Halictidae
Hesperiidae
Megachilidae
Pterophoridae
Syrphidae
Tachinidae

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By plant type – in order of highest diversity of insect families.

Tagetes (Marigold)

Apidae
Calliphoridae
Dolichopodidae
Halictidae
Hesperiidae
Megachilidae
Nymphalidae
Pieridae
Syrphidae
Tipulidae

Buddleia (Butterfly Bush)

Berytidae
Calliphoridae
Halictidae
Hesperiidae
Miridae
Nymphalidae
Pieridae

Caryopteris (Bluebeard)

Apidae
Halictidae
Hesperiidae
Megachilidae
Pentatomidae
Pieridae

Pycnanthemum (Mountain Mint)

Apidae
Cantharidae
Lycaenidae
Scarabaeidae
Sphecidae
Vespidae

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By insect family.

Acrididae (Short-Horned Grasshopper)

Allium

Anthocoridae (Minute Pirate Bug)

Calamintha
Monarda
Solidago

Anthomyiidae (Root Maggot Fly)

Aralia

Aphididae (Aphid)

Asclepias
Matricaria recutita
Physocarpus

Apidae (Bumble, Carpenter & Honey Bees)

Achillea
Agastache
Allium
Anethum graveolens
Asclepias
Calamintha
Caryopteris
Echinacea
Eryngium yuccifolium
Eutrochium
Heptacodium miconioides
Linaria
Matricaria recutita
Monarda
Parthenium integrifolium
Physocarpus
Pycnanthemum
Rudbeckia
Salvia
Sedum
Solidago
Tagetes

Araneae (spider – other arthropod)

Aralia
Asclepias
Monarda
Physocarpus
Rudbeckia
Salvia

Asilidae (Robber Fly)

Allium
Aralia
Asclepias
Calamintha
Echinacea

Berytidae (Stilt Bug)

Achillea
Allium
Anethum graveolens
Asclepias
Buddleia
Calamintha
Eutrochium
Parthenium integrifolium
Rudbeckia

Braconidae (parasitic wasp)

Anethum graveolens
Aralia
Echinacea
Physocarpus
Rudbeckia
Solidago

Calliphoridae (Blow Fly)

Achillea
Agastache
Allium
Anethum graveolens
Aralia
Asclepias
Buddleia
Calamintha
Echinacea
Eryngium yuccifolium
Eutrochium
Foeniculum vulgare
Linaria
Matricaria recutita
Physocarpus
Rudbeckia
Salvia
Sedum
Solidago
Tagetes

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By insect family.

Cantharidae (Soldier Beetle)

Achillea
Allium
Anethum graveolens
Asclepias
Asclepias
Calamintha
Echinacea
Eutrochium
Heptacodium miconioides
Parthenium integrifolium
Pycnanthemum
Rudbeckia
Salvia
Sedum
Solidago

Cerambycidae (Longhorn Beetle)

Asclepias

Cercopidae (Spittlebug)

Physocarpus

Chironomidae (Midge)

Aralia

Chrysididae (Cuckoo Wasp)

Achillea
Calamintha
Parthenium integrifolium

Chrysomelidae (Leaf Beetle)

Achillea
Agastache
Allium
Anethum graveolens
Aralia
Calamintha
Foeniculum vulgare
Physocarpus
Solidago

Chrysopidae (Common Lacewing)

Allium
Aralia
Asclepias
Rudbeckia

Cicadellidae (Leafhopper)

Allium
Aralia
Asclepias
Foeniculum vulgare
Rudbeckia
Salvia
Solidago

Coccinellidae (Ladybird Beetle)

Asclepias
Echinacea

Coenagrionidae (Narrow-Winged Damselfly)

Allium
Linaria

Conopidae (Thick-Headed Fly)

Allium
Anethum graveolens
Calamintha
Eryngium yuccifolium
Monarda
Solidago

Cydnidae (Burrower Bug)

Achillea
Agastache
Calamintha
Echinacea
Foeniculum vulgare
Matricaria recutita
Monarda
Parthenium integrifolium
Rudbeckia
Solidago

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By insect family.

Dolichopodidae (Long-Legged Fly)

Agastache
Allium
Aralia
Asclepias
Calamintha
Echinacea
Eryngium yuccifolium
Eurochium
Heptacodium miconioides
Monarda
Parthenium integrifolium
Rudbeckia
Salvia
Sedum
Solidago
Tagetes

Empididae (Dance Fly)

Achillea
Achillea
Allium
Asclepias
Eurochium
Heptacodium miconioides
Solidago

Forficulidae (Earwig)

Asclepias

Formicidae (Ant)

Anethum graveolens
Aralia
Asclepias
Calamintha
Echinacea
Eryngium yuccifolium
Eurochium
Matricaria recutita
Physocarpus

Gasteruptionidae (Carrot Wasp)

Achillea
Anethum graveolens
Parthenium integrifolium

Gomphidae (Clubtail Dragonfly)

Halictidae (Sweat Bee)

Achillea
Agastache
Allium
Anethum graveolens
Buddleia
Calamintha
Caryopteris
Echinacea
Eryngium yuccifolium
Eurochium
Foeniculum vulgare
Matricaria recutita
Monarda
Parthenium integrifolium
Rudbeckia
Sedum
Solidago
Tagetes

Hesperiidae (Skipper)

Agastache
Allium
Aralia
Buddleia
Calamintha

Hesperiidae Cont'd (Skipper)

Caryopteris
Echinacea
Eryngium yuccifolium
Eurochium
Heptacodium miconioides
Linaria
Monarda
Parthenium integrifolium
Rudbeckia
Sedum
Tagetes

Libellulidae (Skimmer Dragonfly)

Lycaenidae (Hairstreak Butterfly)

Allium
Calamintha
Echinacea
Eryngium yuccifolium
Linaria
Pycnanthemum
Rudbeckia
Solidago

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By insect family.

Lygaeidae (Seed Bug)

Asclepias
Rudbeckia

Megachilidae (Leaf-Cutter Bee)

Achillea
Agastache
Anethum graveolens
Asclepias
Calamintha
Caryopteris
Echinacea
Eryngium yuccifolium
Eutrochium
Linaria
Matricaria recutita
Rudbeckia
Salvia
Sedum
Solidago
Tagetes

Meloidae (Blister Beetle)

Rudbeckia
Solidago

Miridae (Plant Bug)

Allium
Anethum graveolens
Asclepias
Buddleia
Foeniculum vulgare
Heptacodium miconioides
Linaria
Matricaria recutita
Parthenium integrifolium

Mordellidae (Tumbling Flower Beetle)

Achillea
Anethum graveolens
Asclepias
Echinacea
Eryngium yuccifolium
Matricaria recutita
Monarda
Parthenium integrifolium
Rudbeckia

Muscidae (House Fly)

Achillea
Allium

Muscidae cont'd

Asclepias
Calamintha
Matricaria recutita
Parthenium integrifolium
Physocarpus

Mydidae (Mydas Fly)

Nymphalidae (Brush-Footed Butterfly)

Agastache
Allium
Asclepias
Buddleia
Calamintha
Echinacea
Eryngium yuccifolium
Eutrochium
Heptacodium miconioides
Linaria
Matricaria recutita
Monarda
Parthenium integrifolium
Physocarpus
Rudbeckia
Tagetes

Papilionidae (Swallowtail & Parnassian Butterflies)

Anethum graveolens
Foeniculum vulgare
Heptacodium miconioides
Monarda

Pentatomidae (Stink Bug)

Agastache
Asclepias
Calamintha
Caryopteris
Foeniculum vulgare
Linaria
Parthenium integrifolium

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By insect family.

Pieridae (White & Sulphur Butterflies)

Agastache
Allium
Buddleia
Calamintha
Caryopteris
Echinacea
Eutrochium
Heptacodium miconioides
Monarda
Rudbeckia
Salvia
Tagetes

Rhopalidae (Scentless Plant Bug)

Rudbeckia

Scarabaeidae (Scarab Beetle)

Achillea
Asclepias
Echinacea
Parthenium integrifolium
Pycnanthemum
Rudbeckia

Sphecidae (Thread-Waisted Wasp)

Achillea
Allium
Aralia
Asclepias
Calamintha
Echinacea
Eryngium yuccifolium
Eutrochium
Heptacodium miconioides
Linaria
Monarda
Parthenium integrifolium
Physocarpus
Pycnanthemum
Rudbeckia
Solidago

Pterophoridae (Plume Moth)

Aralia
Linaria
Salvia
Sedum

Sarcophagidae (Flesh Fly)

Achillea
Allium
Aralia
Echinacea
Matricaria recutita
Physocarpus
Rudbeckia
Salvia

Sesiidae (Clearwing Moth)

Allium
Aralia
Rudbeckia

Pyrilidae (Snout Moth)

Asclepias
Calamintha

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By insect family.

Syrphidae (Hover Fly)

Achillea
Agastache
Allium
Allium
Anethum graveolens
Aralia
Asclepias
Eutrochium
Foeniculum vulgare
Heptacodium miconioides
Linaria
Matricaria recutita
Monarda
Physocarpus
Rudbeckia
Salvia
Sedum
Solidago
Tagetes

Tachinidae (Tachinid Fly)

Achillea
Allium
Aralia
Asclepias
Calamintha
Physocarpus
Rudbeckia
Salvia
Sedum
Solidago

Tipulidae (Crane Fly)

Allium
Aralia
Asclepias
Calamintha
Monarda
Physocarpus
Solidago
Tagetes

Vespidae (Paper Wasp, Yellow Jacket, Hornet, Mason Wasp & Potter Wasp)

Achillea
Allium
Anethum graveolens
Aralia
Echinacea
Eryngium yuccifolium
Foeniculum vulgare
Heptacodium miconioides
Monarda
Parthenium integrifolium
Pycnanthemum
Rudbeckia
Solidago

Ulidiidae (Picture-Winged Fly)

Achillea
Agastache
Allium
Anethum graveolens
Asclepias
Calamintha
Echinacea
Matricaria recutita
Monarda
Physocarpus
Solidago

Tiphiidae (Tiphiid Wasp)

Eryngium yuccifolium

Yponomeutoidea (Ermine Moth)

Allium
Heptacodium miconioides

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By parasitic and predatory insect - associated prey by order or family.

Braconidae (parasitic wasp)

Lepidoptera (butterflies & moths)
Diptera (flies)
Hymenoptera (bee & wasp)

*Braconidae is the only family that is strictly parasitic – all other parasitic families in this section also pollinate

Gasteruptiidae (Carrot Wasp)

Parasite of:
Solitary Hymenoptera (bee & wasp)

Sarcophagidae (Flesh Fly)

Parasite of:
Coleoptera (beetle) & Orthoptera (grasshopper & cricket)

Vespidae (Paper Wasp, Yellow Jacket, Hornet, Mason Wasp & Potter Wasp)

Predator of:
Lepidoptera larvae (butterfly & moth),
Hymenoptera larvae (bee & wasp) & other various insect families

Meloidae (Blister Beetle)

Parasite of:
Orthoptera eggs (grasshopper)

Sphecidae (Thread-Waisted Wasp)

Predator of:
Various insect families & Spiders

Chrysididae (Cuckoo Wasp)

Parasite of:
Hymenoptera larvae (bee & wasp)

Mydidae (Mydas Fly)

Predator of:
Coleoptera larvae (beetle)

Syrphidae (Hover Fly)

Larvae are predators of:
Aphididae (Aphid)

Anthocoridae (Minute Pirate Bug)

Predator of:
Small arthropods

*Predator only

Conopidae (Thick-Headed Fly)

Parasite of:
Hymenoptera (bee & wasp)

Ripiphoridae (Wedge-Shaped Beetle)

Parasite of:
Coleoptera (beetle) & Hymenoptera (bee & wasp)

Tachinidae (Tachinid Fly)

Parasite of:
Lepidoptera larvae (butterfly & moth),
Hymenoptera larvae (bee & wasp) & Coleoptera larvae (beetle)

Araneae (Spider)

Predator of:
Various insect families

*Predator only

Insects observed in an urban landscape - 68510 zip code, Lincoln, Nebraska. May thru September 2019.
By parasitic and predatory insect - associated prey by order or family.

Asilidae (Robber Fly)

Predator of:
Hymenoptera (bee & wasp), Diptera (fly) & Odonata (dragonfly & damselfly)

*Predator only

Coccinellidae (Ladybird Beetle)

Predator of:
Aphididae (Aphid)

*Predator only

Dolichopodidae (Long-Legged Fly)

Predator of:
Various small insects

*Predator only

Gomphidae (Clubtail Dragonfly)

Predator of:
Diptera (fly), Lepidoptera (butterfly & moth) & Hymenoptera (bee & wasp)

*Predator only

Chrysopidae (Common Lacewing)

Predator of:
Aphididae (Aphid)

*Predator only

Coenagrionidae (Narrow-Winged Damselfly)

Predator of:
Diptera (fly) & Hymenoptera (bee & wasp)

*Predator only

Empididae (Dance Fly)

Predator of:
Various small insects

*Secondarily pollinates

Libellulidae (Skimmer Dragonfly)

Predator of:
Diptera (fly), Lepidoptera (butterfly & moth) & Hymenoptera (bee & wasp)

*Predator only