



THISTLE_ENJOYER



NYC MICRO-PRAIRIE HABITAT MATRIX

Plant Inventory + Flower-Visitors Associated

as of 1 July 2026

est. Spring 2021

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SMALL YARD.



520
SQ FT.



TEEMING HABITAT.

1

NYC MICRO-PRAIRIE

101

NATIVE PLANT SPECIES

888

POLLINATORS
ASSOCIATED - NY

208 MOTHS

162 BEES

125 FLIES

115 BUTTERFLIES

115 BEETLES

100 WASPS

+63 OTHER ANTHOPHILES

▲ 16 AT-RISK NYS BEES



888 = flower-visiting species with documented associations to the plants of this garden (New York tier).
Database records (@loBI / @BIIF) — not a census of animals observed in this yard.



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Totals — Counts of Record

PLANT TAXA	
Native plant taxa (canonical)	101
Non-native planted (excluded)	7
Kitchen crops & herbs (separate)	~13
NORTH AMERICA TIER — headline	
distinct flower-visitor species	
NA distinct flower-visitors	2114
bees	480
butterflies	333
moths	306
flies	371
wasps	272
beetles	234
other (non-pollinator)	118
Pollinator-relevant (excl. other)	1996
NEW YORK TIER — local / cover	
nested subset, georeferenced floor	
NY distinct flower-visitors	888 (+)
bees	162
butterflies	115
moths	208
flies	125
wasps	100
beetles	115
other (non-pollinator)	63
Pollinator-relevant (excl. other)	825

AT-RISK	
At-risk pollinators supported	16 (all bees)
each verified S1–S3 (NYNHP) + documented visitor on species	
Native taxa supporting 1+ at-risk bee	~79

NY BASIS — RANGE + GEOREFERENCED FLOOR

Per-plant NY figures are RANGE-BASED: documented flower-visitors whose range includes New York, in two tiers — georeferenced (a NY-tagged database record — not an observation from this garden) plus range-added (documented associate whose range reaches NY). The headline 888 counts ONLY the georeferenced tier and stays a locked floor (+); per-plant NY totals include range-added species and do not sum to 888. NA = every documented flower-visitor on record. Sources: GloBI, GBIF.



The Inventory – 101 Native Species

Every native species featured in this matrix, with the bed(s) it grows in. Q1–Q4 = the four quadrants.

SCIENTIFIC NAME	COMMON NAME	QUAD	SCIENTIFIC NAME	COMMON NAME	QUAD
<i>Achillea millefolium</i>	Common Yarrow	Q2,Q3	<i>Linum lewisii</i>	Lewis Flax	Q2,Q3
<i>Agastache foeniculum</i>	Anise Hyssop	Q1,Q2	<i>Lonicera sempervirens</i>	Coral Honeysuckle	Q3
<i>Agastache scrophulariifolia</i>	Purple Giant Hyssop	Q3	<i>Lupinus perennis</i>	Sundial Lupine	Q3
<i>Ageratina altissima</i>	White Snakeroot	Q1,Q2,Q4	<i>Mertensia virginica</i>	Virginia Bluebells	–
<i>Allium cernuum</i>	Nodding Onion	Q2	<i>Monarda bradburiana</i>	Bradbury's Beebalm	Q2
<i>Allium stellatum</i>	Prairie Onion	Q2	<i>Monarda fistulosa</i>	Wild Bergamot	Q3
<i>Amelanchier alnifolia</i>	Servicberry	Q4	<i>Oenothera biennis</i>	Common Evening Primrose	Q3
<i>Aquilegia canadensis</i>	Red Columbine	Q4	<i>Oxalis violacea</i>	Violet Wood-sorrel	Q2
<i>Aronia melanocarpa</i>	Black Chokeberry	Q4	<i>Penstemon hirsutus</i>	Hairy Beardtongue	Q4
<i>Asclepias purpurascens</i>	Purple Milkweed	Q3	<i>Phemeranthus calycinus</i>	Large-flowered Fameflower	–
<i>Asclepias speciosa</i>	Showy Milkweed	Q2	<i>Phlox paniculata</i>	Garden Phlox	Q2,Q3,Q4
<i>Asclepias syriaca</i>	Common Milkweed	Q1,Q2	<i>Phlox pilosa</i>	Prairie Phlox	Q1
<i>Asclepias tuberosa</i>	Butterfly Milkweed	Q1,Q2,Q3	<i>Phlox subulata</i>	Moss Phlox	Q2,Q3,Q4
<i>Asclepias verticillata</i>	Whorled Milkweed	Q3	<i>Physostegia virginiana</i>	Obedient Plant	Q3
<i>Baptisia australis</i>	Dwarf Blue Wild Indigo	Q2	<i>Pycnanthemum muticum</i>	Blunt Mountain Mint	Q2,Q3
<i>Bouteloua curtipendula</i>	Sideoats Grama	Q1,Q2	<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint	Q2
<i>Callirhoe involucrata</i>	Purple Poppy-mallow	Q1,Q3	<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint	Q2
<i>Camassia scilloides</i>	Atlantic Camas	Q3,Q4	<i>Ratibida pinnata</i>	Gray-headed Coneflower	Q3
<i>Carex bicknellii</i>	Copper-shouldered Oval Se...	Q4	<i>Ribes odoratum</i>	Clove Currant	Q4
<i>Ceanothus americanus</i>	New Jersey Tea	Q3	<i>Rosa setigera</i>	Prairie Rose	Q1
<i>Cirsium discolor</i>	Field Thistle	Q1	<i>Rudbeckia missouriensis</i>	Missouri Coneflower	Q3
<i>Claytonia virginica</i>	Spring Beauty	Q2	<i>Rudbeckia subtomentosa</i>	Sweet Coneflower	Q2,Q3
<i>Coreopsis lanceolata</i>	Lanceleaf Coreopsis	Q1	<i>Salvia azurea</i>	Blue Sage	Q2,Q3
<i>Coreopsis tripteris</i>	Tall Coreopsis	Q3,Q4	<i>Salvia lyrata</i>	Lyreleaf Sage	Q1,Q3
<i>Dalea purpurea</i>	Purple Prairie Clover	Q2	<i>Scutellaria incana</i>	Hoary Skullcap	Q2
<i>Delphinium exaltatum</i>	Tall Larkspur	Q2,Q3,Q4	<i>Scutellaria parvula</i>	Small Skullcap	Q3
<i>Desmodium canadense</i>	Showy Tick-trefoil	Q2	<i>Silene subciliata</i>	Scarlet Catchfly	Q2
<i>Diospyros virginiana</i>	Dwarf American Persimmon	Q3	<i>Silene virginica</i>	Fire Pink	Q2
<i>Dodecatheon meadia</i>	Shooting Star	Q2	<i>Silphium mohrii</i>	Mohr's Rosinweed	Q3
<i>Drymocallis arguta</i>	Prairie Cinquefoil	Q2,Q3	<i>Sisyrinchium angustifolium</i>	Blue-eyed Grass	Q2
<i>Echinacea purpurea</i>	Purple Coneflower	Q3	<i>Solidago nemoralis</i>	Gray Goldenrod	Q4
<i>Erigeron annuus</i>	Annual Fleabane	Q1,Q4	<i>Solidago odora</i>	Anise-scented Goldenrod	Q4
<i>Erigeron pulchellus</i>	Robin's Plantain	Q2	<i>Sorghastrum nutans</i>	Indiangrass	Q3
<i>Eupatorium hyssopifolium</i>	Hyssop-leaved Thoroughwort	Q3	<i>Spigelia marilandica</i>	Indian Pink	Q2
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	Q3	<i>Symphyotrichum laeve</i>	Smooth Blue Aster	Q1,Q3
<i>Eutrochium purpureum</i>	Sweet Joe-Pye Weed	Q4	<i>Symphyotrichum novae-angliae</i>	New England Aster	Q1,Q2,Q3,Q4
<i>Fragaria virginiana</i>	Wild Strawberry	Q2,Q3	<i>Symphyotrichum oblongifolium</i>	Aromatic Aster	Q3
<i>Geranium maculatum</i>	Wild Geranium	Q3	<i>Symphyotrichum oolentangiense</i>	Sky Blue Aster	Q3
<i>Helenium autumnale</i>	Common Sneezeweed	Q3	<i>Symphyotrichum pilosum</i>	Old-field White Aster	Q1,Q3
<i>Helianthus occidentalis</i>	Western Sunflower	Q2,Q3	<i>Symphyotrichum subulatum</i>	Saltmarsh Aster	Q4
<i>Helianthus tuberosus</i>	Jerusalem Artichoke	Q4	<i>Thermopsis villosa</i>	Aaron's Rod	Q4
<i>Hypericum prolificum</i>	Shrubby St. John's Wort	Q3	<i>Tradescantia ohimensis</i>	Ohio Spiderwort	Q3
<i>Iris fulva</i>	Copper Iris	Q4	<i>Verbena hastata</i>	Blue Vervain	Q2,Q3,Q4
<i>Iris versicolor</i>	Northern Blue Flag Iris	Q4	<i>Verbena stricta</i>	Hoary Vervain	Q3
<i>Koeleria macrantha</i>	Prairie Junegrass	Q3,Q4	<i>Vernonia fasciculata</i>	Prairie Ironweed	Q4
<i>Lespedeza capitata</i>	Round-headed Bush Clover	Q2	<i>Vernonia noveboracensis</i>	New York Ironweed	Q4
<i>Liatris aspera</i>	Rough Blazing Star	Q2,Q3	<i>Veronicastrum virginicum</i>	Culver's Root	Q4
<i>Liatris ligulistylis</i>	Meadow Blazing Star	Q2,Q3	<i>Viola sororia</i>	Common Blue Violet	Q1,Q2,Q3
<i>Liatris pycnostachya</i>	Prairie Blazing Star	Q1	<i>Zizia aptera</i>	Heart-leaved Golden Alexan...	Q2
<i>Liatris scariosa</i>	New England Blazing Star	Q2	<i>Zizia aurea</i>	Golden Alexanders	Q3,Q4
<i>Liatris spicata</i>	Dense Blazing Star	Q4			



THREATENED

16 At-Risk Bees Supported By This Planting

Each verified S1–S3 in New York (NYNHP) with documented association to plants (GloBI). All sixteen are bees.

#	BEE	RANK	EXAMPLE HOSTS	# OF SUPPORTING PLANTS PRESENT
1	<i>Bombus pensylvanicus</i> · Bumblebee	S2	thistle, Monarda, Liatris, milkweeds	63
2	<i>Bombus fervidus</i> · Bumblebee	S3	broad nectar matrix	40
3	<i>Bombus citrinus</i> · Bumblebee	S2S3	broad (cuckoo + nectar)	27
4	<i>Bombus terricola</i> · Bumblebee	S3	broad nectar matrix	26
5	<i>Bombus borealis</i> · Bumblebee	S3	broad nectar matrix	23
6	<i>Andrena asteris</i> · Mining	S3?	the 6 aster species	6
7	<i>Andrena helianthi</i> · Mining	S1S2	Helianthus tuberosus, Coreopsis lanceolata	3
8	<i>Andrena miranda</i> · Mining	S2S3	Fragaria, Linum, Drymocallis	3
9	<i>Andrena braccata</i> · Mining	S2?	asters, Euthamia	2
10	<i>Andrena erythrogaster</i> · Mining	S2?	Claytonia, Zizia (spring forage)	2
11	<i>Andrena arabis</i> · Mining	S2S3	Claytonia virginica	1
12	<i>Andrena integra</i> · Mining	S2S3	Zizia aurea	1
13	<i>Andrena melanochoea</i> · Mining	S2?	Fragaria virginiana	1
14	<i>Megachile melanophaea</i> · Mining	S2S3	Monarda, milkweeds	4
15	<i>Osmia simillima</i> · Mining	S1S2	Viola, Oxalis, Geranium (spring)	3
16	<i>Macropis patellata</i> · Mining	S1	Pycnanthemum tenuifolium (nectar only)	1



At-Risk Species — Holistic

The full regional at-risk watchlist: every native bee, butterfly and moth flagged as a conservation concern for this bioregion, with each species' status and whether this habitat supports it. The sixteen bees on the previous page are the subset confirmed at-risk in New York State.

SPECIES	STATUS / RANK	SUPPORTED?	n
<i>Andrena arabis</i> · Mustard Miner Bee	S2S3	Possibly — via flowering brassicas (broccoli...	0
<i>Andrena braccata</i> · a mining bee	S2?	No / unknown	6
<i>Andrena canadensis</i> · Canada Miner Bee	S2S3	Possibly — via asters + goldenrod	0
<i>Andrena cornelli</i> · Azalea Miner Bee	S1	No — needs azalea	0
<i>Andrena erythrogaster</i> · Red-bellied Miner Bee	S2?	No — NO WILLOW in garden	0
<i>Andrena fragilis</i> · Fragile Miner Bee	S2S4	No — no dogwood	0
<i>Andrena helianthi</i> · Sunflower Miner Bee	S1S2	YES — via <i>H. occidentalis</i> + <i>tuberosus</i>	4
<i>Andrena integra</i> · Intact Miner Bee	S2S3	Possibly — recorded on <i>Zizia aurea</i> (GloBI)...	2
<i>Andrena krigiana</i> · Dwarf-dandelion Miner Bee	S1	No — needs <i>Krigia</i>	1
<i>Andrena melanochoea</i> · Rose Miner Bee	S2	YES — via <i>Rosa setigera</i>	1
<i>Andrena miranda</i> · Singular Miner Bee	S2S3	No — likely needs willow	1
<i>Andrena persimulata</i> · Protuberance Miner Bee	S2	No / unknown	0
<i>Andrena salictaria</i> · Small Willow Miner Bee	S1S2	No — NO WILLOW (was a key support if S...	0
<i>Andrena sigmundi</i> · Sigmund's Miner Bee	S2S3	No — NO WILLOW	0
<i>Andrena w-scripta</i> · W-marked Miner Bee	S2S3	No / unknown	0
<i>Andrena asteris</i> · Aster Miner Bee	S3?	YES — via 6 aster species	8
<i>Bombus borealis</i> · Northern Amber Bumble Bee	S3	Yes — broad nectar matrix	18
<i>Bombus citrinus</i> · Lemon Cuckoo Bumble Bee	S2S3	Yes — hosts + nectar present	34
<i>Bombus fervidus</i> · Golden Northern Bumble Bee	S3	Yes — broad nectar matrix	30
<i>Bombus pensylvanicus</i> · American Bumble Bee	S2	Yes — thistle/Monarda/Liatris/Eupatorium	33
<i>Bombus ternarius</i> · Orange-belted Bumble Bee	S4S5 (NOT at-risk in NY)	Secure in NY — flagged at-risk regionally only	41
<i>Bombus terricola</i> · Yellow-banded Bumble Bee	S3	Yes — broad nectar matrix	27
<i>Bombus vagans</i> · Half-black Bumble Bee	S5 (NOT at-risk in NY)	Secure in NY — flagged at-risk regionally only	41
<i>Coelioxys modesta</i> · Northeastern Cuckoo Leafcut... (not ESNPS focal)		Possibly — if <i>Megachile</i> hosts present	6
<i>Coelioxys octodentata</i> · Eight-toothed Cuckoo Le... (not ESNPS focal)		Possibly	5
<i>Coelioxys rufitarsis</i> · Red-legged Cuckoo Leafcutter (not ESNPS focal)		Possibly	3
<i>Colletes compactus</i> · Aster Cellophane Bee (not ESNPS focal)		YES — via 6 aster species	9
<i>Colletes validus</i> · Blueberry Cellophane Bee (not ESNPS focal)		No — NO BLUEBERRY in garden	0
<i>Epeoloides pilosula</i> · Macropis Cuckoo Bee (not ESNPS focal)		No — no <i>Lysimachia</i>	0
<i>Epeolus scutellaris</i> · Red-chested Cuckoo Nomad ... (not ESNPS focal)		Possibly — <i>Colletes</i> present on asters	3
<i>Peponapis pruinosa</i> · Eastern Cucurbit Bee (not ESNPS focal)		YES — via squash + zucchini (<i>Cucurbita</i>); s...	9
<i>Halictus rubicundus</i> · Polymorphic Sweat Bee (not ESNPS focal)		Yes — broad forage	19
<i>Lasioglossum cinctipes</i> · Band-footed Sweat Bee (not ESNPS focal)		Yes — broad forage	0
<i>Lasioglossum heterognathum</i> · Wide-mouthed S... (not ESNPS focal)		Yes	0
<i>Lasioglossum imitatum</i> · (no common name) (not ESNPS focal)		Yes	8
<i>Lasioglossum leucocomum</i> · White-haired Golde... (not ESNPS focal)		Yes	0



SPECIES	STATUS / RANK	SUPPORTED?	n
<i>Lasioglossum perpunctatum</i> · Densely Puncture...	(not ESNPS focal)	Yes	0
<i>Lasioglossum pilosum</i> · Hairy Sweat Bee	(not ESNPS focal)	Yes	6
<i>Lasioglossum quebecense</i> · Quebec Sweat Bee	(not ESNPS focal)	Yes	2
<i>Lasioglossum truncatum</i> · Truncate Sweat Bee	(not ESNPS focal)	Yes	0
<i>Macropis ciliata</i> · Fringed Loosestrife Oil-collecting ...	(not ESNPS focal)	No — no Lysimachia	0
<i>Macropis nuda</i> · Common Loosestrife Oil Bee	(not ESNPS focal)	No — no Lysimachia	0
<i>Macropis patellata</i> · Patellar Oil-collecting Bee	S1S2	No — no Lysimachia (would be high-value ...	1
<i>Megachile melanophaea</i> · Black-and-gray Leafcu...	S2S3	Yes — likely via composites/legumes	3
<i>Nomada bella</i> · Beautiful Cuckoo Nomad Bee	(not ESNPS focal)	Possibly — Andrena hosts present	0
<i>Nomada depressa</i> · Depressed Cuckoo Nomad Bee	(not ESNPS focal)	Possibly	1
<i>Osmia proxima</i> · Friendly Mason Bee	(not ESNPS focal)	Yes — spring forage present	0
<i>Osmia simillima</i> · Similar Mason Bee	S1S2	Yes — spring forage present	0
<i>Amblyscirtes vialis</i> · Common Roadside-Skipper	(butterfly — not in ESNPS)	Possibly — grasses present	0
<i>Anthocharis midea</i> · Falcate Orangetip	(butterfly — not in ESNPS)	No	0
<i>Asterocampa celtis</i> · Hackberry Emperor	(butterfly — not in ESNPS)	No — no hackberry	0
<i>Asterocampa clyton</i> · Tawny Emperor	(butterfly — not in ESNPS)	No — no hackberry	0
<i>Atrytonopsis hianna</i> · Dusted Skipper	(butterfly — not in ESNPS)	No — no little bluestem	0
<i>Boloria bellona</i> · Meadow Fritillary	(butterfly — not in ESNPS)	YES — via <i>Viola sororia</i>	1
<i>Calephelis borealis</i> · Northern Metalmark	(butterfly — not in ESNPS)	No	1
<i>Callophrys gryneus</i> · Juniper Hairstreak	(butterfly — not in ESNPS)	No	0
<i>Callophrys henrici</i> · Henry's Elfin	(butterfly — not in ESNPS)	No	0
<i>Callophrys hesseli</i> · Hessel's Hairstreak	(butterfly — not in ESNPS)	No	0
<i>Callophrys irus</i> · Frosted Elfin	(butterfly — not in ESNPS)	Possibly — via <i>Lupinus</i> (prefers <i>B. tinctoria</i> ,...	0
<i>Celastrina neglectamajor</i> · Appalachian Azure	(butterfly — not in ESNPS)	No	0
<i>Chlosyne harrisii</i> · Harris' Checkerspot	(butterfly — not in ESNPS)	No — that specific aster absent	2
<i>Danaus plexippus</i> · Monarch (Migratory)	(butterfly — not in ESNPS)	YES — 5 milkweed species	6
<i>Erynnis icelus</i> · Dreamy Duskywing	(butterfly — not in ESNPS)	No — no willow/poplar	0
<i>Erynnis martialis</i> · Mottled Duskywing	(butterfly — not in ESNPS)	YES — via New Jersey Tea	0
<i>Erynnis persius</i> · Persius Duskywing	(butterfly — not in ESNPS)	Possibly — via <i>Lupinus</i>	0
<i>Euphyes conspicua</i> · Black Dash	(butterfly — not in ESNPS)	Possibly — via <i>Carex bicknellii</i>	0
<i>Euphyes dion</i> · Dion Skipper	(butterfly — not in ESNPS)	Possibly — via <i>Carex</i>	0
<i>Hesperia leonardus</i> · Leonard's Skipper	(butterfly — not in ESNPS)	Possibly — grasses present	1
<i>Hesperia metea</i> · Cobweb Skipper	(butterfly — not in ESNPS)	No — those grasses absent	0
<i>Hesperia sassacus</i> · Indian Skipper	(butterfly — not in ESNPS)	Possibly — grasses present	0
<i>Lethe/Satyrodes eurydice</i> · Eyed Brown	(butterfly — not in ESNPS)	YES — via <i>Carex bicknellii</i>	0
<i>Nymphalis vau-album</i> · Compton Tortoiseshell	(butterfly — not in ESNPS)	No	0
<i>Pieris virginiensis</i> · West Virginia White	(butterfly — not in ESNPS)	No	0
<i>Plebejus melissa samuelis</i> · Karner Blue	(butterfly — not in ESNPS)	Host present BUT locally extirpated — won'...	0
<i>Poanes massasoit</i> · Mulberry Wing	(butterfly — not in ESNPS)	Possibly — via <i>Carex</i>	2
<i>Poanes viator</i> · Broad-winged Skipper	(butterfly — not in ESNPS)	Possibly — via <i>Carex</i>	2
<i>Pontia protodice</i> · Checkered White	(butterfly — not in ESNPS)	No	0
<i>Satyrrium acadica</i> · Acadian Hairstreak	(butterfly — not in ESNPS)	No — no willow	3



SPECIES	STATUS / RANK	SUPPORTED?	n
<i>Satyrium edwardsii</i> · Edwards' Hairstreak	(butterfly — not in ESNPS)	No	3
<i>Satyrium favonius ontario</i> · Northern Oak Hairstre...	(butterfly — not in ESNPS)	No	3
<i>Speyeria aphrodite</i> · Aphrodite Fritillary	(butterfly — not in ESNPS)	YES — via <i>Viola sororia</i>	4
<i>Speyeria atlantis</i> · Atlantis Fritillary	(butterfly — not in ESNPS)	YES — via <i>Viola sororia</i>	4
<i>Ceratomia undulosa</i> · Waved Sphinx	(moth — not in ESNPS)	No	0
<i>Eumorpha fasciatus</i> · Banded Sphinx	(moth — not in ESNPS)	Possibly — via <i>Oenothera biennis</i>	0
<i>Hyles lineata</i> · White-lined Sphinx	(moth — not in ESNPS)	Yes — generalist; <i>Oenothera</i> present	1
<i>Lapara coniferarum</i> · Southern Pine Sphinx	(moth — not in ESNPS)	No	0
<i>Manduca jasminearum</i> · Ash Sphinx	(moth — not in ESNPS)	No	0
<i>Manduca quinquemaculata</i> · Five-spotted Hawk...	(moth — not in ESNPS)	No	0
<i>Paonias astylus</i> · Huckleberry Sphinx	(moth — not in ESNPS)	No — no blueberry	0
<i>Smerinthus jamaicensis</i> · Twin-spotted Sphinx	(moth — not in ESNPS)	Possibly — via container <i>Prunus</i>	0
<i>Sphinx chersis</i> · Great Ash Sphinx	(moth — not in ESNPS)	Possibly — via container <i>Prunus</i>	0
<i>Sphinx gordius</i> · Apple Sphinx	(moth — not in ESNPS)	Possibly — via <i>Prunus</i> + <i>Aronia</i>	0
<i>Sphinx kalmiae</i> · Laurel Sphinx	(moth — not in ESNPS)	No	2
<i>Sphinx luscitiosa</i> · Clemens' Sphinx	(moth — not in ESNPS)	No	0



The Matrix — 101 Native Taxa

One entry per native plant: continental (NA) and New York visitor counts, the at-risk bees it feeds, and every documented NY flower-visitor by guild.

Sorted by North American visitor richness.

NY IS RANGE-BASED. Each plant's NY figure counts documented flower-visitors whose range includes New York, shown in two tiers in the visitor lists below: **species in dark type** carry a New York–georeferenced database record (not an observation from this garden); **species in blue** are documented associates whose range includes NY but lack a NY-tagged observation yet. The headline **888** counts only the georeferenced tier and remains a conservative floor; per-plant NY figures include range-added species and do not sum to 888. NA counts reflect every documented flower-visitor on record. **EVIDENCE BASIS:** plants are PRESENT in this garden (inventory); every visitor figure and list on these pages is a DOCUMENTED ASSOCIATION from source databases (GloBI/GloBI) — none is an observation made in this garden.

■ NY-georeferenced database record (georef.) ■ range includes NY (documented associate)

Common Yarrow *Achillea millefolium*

Q2,Q3 · Jun-Sep

NA **490** NY **352** (173 georef. +179 range) bees 77.0 · butterflies 69.0 · moths 30.0 · flies 54.0 · wasps 49.0 · beetles 41.0

▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus terricola* S3

NY BEES: (77) *Agapostemon sericeus*; *Agapostemon texanus*; *Agapostemon virescens*; *Andrena crataegi*; *Andrena erythrogaster*; *Andrena hirticincta*; *Andrena milwaukeensis*; *Andrena miserabilis*; *Andrena nivalis*; *Andrena vicina*; *Andrena wilkella*; *Anthidium manicatum*; *Anthophora walshii*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bifarius*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus fervidus*; *Bombus flavidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus insularis*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Bombus vosnesenskii*; *Calliopsis andreniformis*; *Coelioxys octodentata*; *Coelioxys rufitarsis*; *Epeolus minimus*; *Eucera hamata*; *Halictus confusus*; *Halictus ligatus*; *Halictus rubicundus*; *Heriades carinata*; *Holcopasites calliopsidis*; *Hoplitis producta*; *Hylaeus affinis*; *Hylaeus leptocephalus*; *Hylaeus modestus*; *Hylaeus nevadensis*; *Hylaeus punctatus*; *Lasioglossum albipenne*; *Lasioglossum cinctipes*; *Lasioglossum coeruleum*; *Lasioglossum cressonii*; *Lasioglossum illinoense*; *Lasioglossum imitatum*; *Lasioglossum laevisimum*; *Lasioglossum nigroviride*; *Lasioglossum pectinatum*; *Lasioglossum pruinosum*; *Lasioglossum vierecki*; *Lasioglossum zonulum*; *Megachile frigida*; *Megachile montivaga*; *Megachile perihirta*; *Megachile pugnata*; *Megachile relativa*; *Megachile rotundata*; *Megachile xylocopoides*; *Melissodes bimaculatus*; *Nomada cressonii*; *Nomada erigeronis*; *Osmia coloradensis*; *Osmia lignaria*; *Stelis lateralis*; *Triepeolus donatus*; *Triepeolus simplex*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (99) *Achyra rantalis*; *Aglais milberti*; *Alypia octomaculata*; *Anania funebris*; *Ancyloxypha numitor*; *Argynnis aphrodite*; *Argynnis atlantis*; *Argynnis cybele*; *Asterocampa clyton*; *Atalopodes huron*; *Atrytone delaware*; *Atteva aurea*; *Burnsius communis*; *Calephelis borealis*; *Calophasia lunula*; *Calycopis cecrops*; *Carterocephalus mandan*; *Cecropterus pylades*; *Celastrina lucia*; *Cercyonis pegala*; *Chlosyne gabii*; *Chlosyne harrisii*; *Choreutis pariana*; *Cisseps fulvicollis*; *Coenonympha californica*; *Coleophora deauratella*; *Colias eurytheme*; *Colias interior*; *Colias philodice*; *Ctenucha virginica*; *Cupido comyntas*; *Cyaniris neglecta*; *Danaus plexippus*; *Dejongia lobidactylus*; *Desmia funeralis*; *Dione vanillae*; *Epargyreus clarus*; *Erynnis baptisiae*; *Erynnis horatius*; *Euphydryas anicia*; *Euphydryas phaeton*; *Euphyes conspicua*; *Euphyes dion*; *Euphyes vestris*; *Feltia herilis*; *Geina tenuidactyla*; *Gillmeria pallidactyla*; *Glaucopsyche lygdamus*; *Haploa confusa*; *Harrisina americana*; *Heliothis phloxiphaga*; *Hesperia colorado*; *Hylephila phyleus*; *Junonia coenia*; *Libytheana carinenta*; *Limenitis archippus*; *Limenitis arthemis*; *Limenitis weidemeyerii*; *Lon zabulon*; *Lycaena hypophlaeas*; *Lycomorpha pholus*; *Manduca rustica*; *Mitoura gryneus*; *Nomophila nearctica*; *Nymphalis antiopa*; *Panoquina panoquin*; *Papilio canadensis*; *Papilio polyxenes*; *Papilio rutulus*; *Phyciodes tharos*; *Pieris marginalis*; *Pieris rapae*; *Plebejus melissa*; *Polites peckius*; *Polygonia comma*; *Pontia protodice*; *Pyrausta orphisalis*; *Pyrausta subsequialis*; *Satyrion acadica*; *Satyrion calanus*; *Satyrion californica*; *Satyrion edwardsii*; *Satyrion liparops*; *Satyrion titus*; *Schreckensteina erythriella*; *Sitochroa palealis*; *Strymon melinus*; *Synanthedon bibionipennis*; *Synanthedon pictipes*; *Synanthedon scitula*; *Synchlora aerata*; *Tetracis cachexiata*; *Tharsalea hyllus*; *Thymelicus lineola*; *Thyris maculata*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*; *Wallengrenia egeremet*

NY FLIES: (54) *Aedes albopictus*; *Allograpta obliqua*; *Bombylius major*; *Chalcosyrphus piger*; *Chrysanthrax cypris*; *Chrysops geminatus*; *Copestylum vittatum*; *Efferia aestuans*; *Epistrophe emarginata*; *Epistrophe grossulariae*; *Eristalinus aeneus*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis flavipes*; *Eristalis nemorum*; *Eristalis stipitor*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Eupeodes volucris*; *Hedriodiscus binotatus*; *Helophilus fasciatus*; *Helophilus latifrons*; *Hemipenthes morioides*; *Hemipenthes seminger*; *Hemipenthes sinuosus*; *Lapposyrphus lapponicus*; *Lucilia sericata*; *Meliscaeva cinctella*; *Merodon equestris*; *Milesia virginiensis*; *Orthonevra nitida*; *Paragus haemorrhous*; *Parhelophilus divinus*; *Phasia aurlans*; *Poecilanthrax tegminipennis*; *Sarcophaga africa*; *Scathophaga stercoraria*; *Sericomyia chrysotoxoides*; *Sericomyia lata*; *Siphona geniculata*; *Stonemyia rasa*; *Stonemyia tranquilla*; *Stratiomys badius*; *Syrirta flaviventris*; *Syrirta pipiens*; *Syrphus rectus*; *Temnostoma alternans*; *Toxomerus geminatus*; *Trichopoda pennipes*; *Tropidia quadrata*; *Urophora quadrifasciata*; *Villa fulviana*; *Villa lateralis*

NY WASPS: (49) *Ammophila pictipennis*; *Ancistrocerus adiabatus*; *Ancistrocerus catskill*; *Ancistrocerus gazella*; *Bembix americana*; *Bicyrtes quadrifasciatus*; *Cerceris fumipennis*; *Cerceris insolita*; *Cerceris nigrescens*; *Chrysis ignita*; *Ectemnius arcuatus*; *Entypus unifasciatus*; *Eremnophila aureonotata*; *Eumenes fraternus*; *Euodynerus foraminatus*; *Euodynerus hidalgo*; *Ischnus inquisitorius*; *Isodontia auripes*; *Isodontia elegans*; *Isodontia mexicana*; *Leucospis affinis*; *Macroisiagon cruentus*; *Macroisiagon flavipennis*; *Macroisiagon limbata*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Parancistrocerus leionotus*; *Parancistrocerus pedestris*; *Parancistrocerus pensylvanicus*; *Parancistrocerus perennis*; *Philanthus bilunatus*; *Philanthus gibbosus*; *Philanthus politus*; *Philanthus sanbornii*; *Philanthus solivagus*; *Philanthus ventralis*; *Polistes dominula*; *Polistes dorsalis*; *Polistes exclamans*; *Polistes fuscatus*; *Polistes metricus*; *Prionyx atratus*; *Pseudodynerus quadrisectus*; *Pseudomalus auratus*; *Sapyga louisii*; *Sceliphron caementarium*; *Scolia dubia*; *Scolia nobilitata*; *Spheg ichneumoneus*

NY BEETLES: (41) *Acmaeodera pulchella*; *Adalia bipunctata*; *Anthrenus verbasci*; *Attagenus brunneus*; *Batyle suturalis*; *Brachyleptura rubrica*; *Cantharis livida*; *Chauiognathus marginatus*; *Chauiognathus pensylvanicus*; *Coccinella septempunctata*; *Coccinella trifasciata*; *Coleomegilla maculata*; *Collops tricolor*; *Diabrotica undecimpunctata*; *Epicauta puncticollis*; *Harmonia axyridis*; *Hippodamia convergens*; *Hoshihananomia octopunctata*; *Judolia cordifera*; *Judolia montivagans*; *Labidomera clivicollis*; *Larinus obtusus*; *Lepturobosca chrysocoma*; *Nemognatha nemorensis*; *Odontocorynus salebrosus*; *Pelidnota punctata*; *Pidonia ruficollis*; *Polemia laticornis*; *Popillia japonica*; *Propylea quatuordecimpunctata*; *Rhagonycha fulva*; *Ripiphorus fasciatus*; *Strangalepta abbreviata*; *Strangalia famelica*; *Trichiotinus assimilis*; *Trichodes apivorus*; *Trichodes nuttalli*; *Typocerus acuticauda*; *Typocerus sparsus*; *Typocerus velutinus*; *Valgus canaliculatus*

Common Milkweed *Asclepias syriaca*

Q1,Q2 · May-Aug

NA **454** NY **429** (305 georef. +124 range) bees 65.0 · butterflies 80.0 · moths 91.0 · flies 46.0 · wasps 38.0 · beetles 50.0

▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus terricola* S3, *Bombus borealis* S3, *Megachile melanophaea* S2S3

SPECIALIST *Peponapis pruinosa* **LARVAL HOST:** Monarch

NY BEES: (65) *Agapostemon texanus*; *Andrena crataegi*; *Andrena vicina*; *Andrena wilkella*; *Anthidium florentinum*; *Anthidium manicatum*; *Anthidium oblongatum*; *Anthophora abrupta*; *Anthophora bomboidea*; *Anthophora terminalis*; *Anthophora walshii*; *Apis mellifera*; *Augochlora pura*; *Augochloropsis viridula*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus flavidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus*



impatiens; **Bombus nevadensis**; **Bombus pensylvanicus**; **Bombus perplexus**; **Bombus rufocinctus**; **Bombus sandersoni**; **Bombus ternarius**; **Bombus terricola**; **Bombus vagans**; **Ceratina calcarata**; Chelostoma rapunculi; Coelioxys octodentata; **Halictus confusus**; **Halictus rubicundus**; **Heriades carinata**; **Heriades leavitti**; Hylaeus leptoccephalus; Hylaeus modestus; **Hylaeus nelsonbonis**; **Hylaeus sparsus**; **Lasioglossum fuscipenne**; **Lasioglossum pilosum**; **Lasioglossum versatum**; **Lasioglossum vierecki**; Lithurgus chrysurus; Megachile addenda; Megachile campanulae; Megachile frigida; Megachile latimanus; **Megachile melanophaea**; **Megachile mendica**; **Megachile pugnata**; **Megachile rotundata**; Megachile sculpturalis; Megachile texana; **Megachile xylocopoides**; **Nomada cressonii**; **Osmia pumila**; **Peponapis pruinosa**; **Stelis lateralis**; **Triepeolus cressonii**; **Triepeolus donatus**

NY BUTTERFLIES & MOTHS: (171) Achyra rantalis; Acolothus falsarius; Aellopos titan; Aglais milberti; **Albuna fraxini**; Alypia octomaculata; Amphion floridensis; Anania funebris; Ancyloxypha numitor; **Apogeshna stenialis**; Argynnis aphrodite; Argynnis atlantis; Argynnis cybele; Argynnis idalia; Asterocampa celtis; Atalopedes huron; Atrytone delaware; Atteva aurea; Autographa precatonensis; Battus philenor; Caenurgina erechtea; Calycopis cecrops; Campaea perlata; Caripeta piniata; **Carmenta corni**; Cecropia bathyllus; Cecropia lysiades; Cecropia pylades; **Celastrina lucia**; Cercyonis pegala; **Chlosyne nycteis**; Chorea pariana; Cisseps fulvicollis; Coenonympha californica; Colias eurytheme; Colias philodice; **Crambus agitatellus**; **Crambus albells**; **Crambus bidens**; **Crociodophora serratissimalis**; **Crociodophora tubercularis**; Ctenucha virginica; Cupido comyntas; Cyaniris neglecta; Cynia tenera; Danaus plexippus; Darapsa choerilus; Darapsa myron; Dejongia lobidactylus; Desmia funeralis; **Diachrysa balluca**; Dichorda iridaria; Eichlinia cucurbitae; Ennomos subsignaria; Epargyreus clarus; Epirrhoe alternata; Erora laeta; **Erynnis baptisiae**; Eubaphe mendica; Euchaena serrata; Euphydryas phaeton; Euphyes bimaculata; Euphyes conspiciua; Euphyes dion; Euphyes vestris; Euptoieta claudia; Euptychia cymela; **Eurimya stipatus**; Eusarca confusaria; **Galasa nigrinodis**; Geina tenuidactyla; Halysidota tessellata; Haploa confusa; Haploa lecontei; Harrisina americana; Heliomata cycladata; Hemaris diffinis; **Hemaris gracilis**; Hemaris thysbe; **Hesperia colorado**; Homochlodes fritillaria; **Hylephila phyleus**; Hyles gallii; Hyphantria cunea; Idaea dimidiata; Junonia coenia; Lacinipolia lorea; Lacinipolia renigera; Lethe antheodon; Lethe eurydice; Leuconycta diptheroides; Libytheana carinenta; Limenitis arthemis; Limenitis astyanax; Limnophora origenes; Lon hobomok; Lon zabulon; Lycaena hypophlaeas; **Lycomorpha pholus**; Macaria pustularia; Megalographa biloba; Mitoura gryneus; Nematocampa resistaria; Noctua pronuba; **Nomophila nearctica**; Nymphalis antiopa; **Panoquina panoquin**; **Pantographa limata**; Papilio canadensis; Papilio cressphontes; Papilio glaucus; Papilio polyxenes; Papilio solstitialis; Papilio troilus; **Patalene olyzonaria**; Phyciodes tharos; Pieris oleracea; Pieris rapae; Poanes massasoit; Poanes viator; Polites peckius; Polites themistocles; Polygonia comma; Polygonia interrogationis; Polygonia progne; Ponometa candefacta; **Problema byssus**; **Prochoreutis inflatella**; **Protoaboaria porcellaria**; **Protographium marcellus**; Pyrausta acronalis; Pyrausta bicoloralis; Pyrausta orphialis; Pyrausta signatalis; Rheumaptera hastata; Rheumaptera undulata; **Rivula propinqualis**; Satyrium acadica; Satyrium calanus; Satyrium caryaeavorus; Satyrium favonius; Satyrium liparops; Satyrium titus; Scoparia biplagiata; **Scythris basilaris**; Sitochroa palealis; Sphenarches ontario; Sphinx kalmiae; Sphinx poecila; **Spragueia leo**; Strymon melinus; **Synanthedon acerni**; **Synanthedon acerrubri**; **Synanthedon bolteri**; **Synanthedon exitiosa**; **Synanthedon pictipes**; **Synanthedon scitula**; **Synanthedon viburni**; Tetracis cachexiata; Tetracis crocallata; Tharsalea hyllus; Thymelicus lineola; Thyris maculata; Tosale oviplagalis; Trichodezia albivittata; **Udea rubigalis**; Vanessa atalanta; Vanessa cardui; Vanessa virginiensis; Wallengrenia egeremet; Zanclognatha laevigata

NY FLIES: (46) Aedes albopictus; **Allograpta obliqua**; Anasimyia chrysostomus; Blepharomastix ranalis; Blera confusa; Calliphora vicina; **Chrysanthrax cypris**; **Chrysops fuliginosus**; **Chrysops geminatus**; **Condyllostylus caudatus**; Elephantomyia westwoodi; Eristalinus aeneus; Eristalis anthophorina; Eristalis dimidiata; Eristalis tenax; Eristalis transversa; **Eupeodes americanus**; **Exomala orientalis**; Geranomyia rostrata; Heterodiscus vertebratus; **Helophilus latifrons**; Hemipenthes sinuosus; **Heringia salax**; Juriniopsis adusta; Lucilia sericata; Mallota bautias; Mallota posticata; Meliscaeva cinctella; **Ocyptamus costatus**; Ocyptamus fuscipennis; **Odontomyia cincta**; Physocephala floridana; Physocephala fuscillata; **Physocephala sagittaria**; Physocephala tibialis; **Pipiza femoralis**; Rhingia nasica; Sericomyia chrysotoxoides; Sericomyia lata; Stenomyia tranquilla; Stylogaster neglecta; Toxomerus geminatus; Trichopoda lanipes; Trichopoda pennipes; **Trichopoda plumipes**; Tropidia quadrata

NY WASPS: (38) **Anacrabro ocellatus**; **Aphilanthops frigidus**; Bembix americana; **Bembix pallidipicta**; Camponotus pennsylvanicus; **Dielis plumipes**; Dolichovespula arctica; Dolichovespula arenaria; Dolichovespula maculata; Dolichovespula norvegicoidea; **Formica exsectoides**; Lasius neoniger; Leptochilus republicanus; **Liris argentatus**; Microbembex monodonta; Monomorium carbonarium; Myzinum quinquecinctum; Nylanderia flavipes; Philanthus gibbosus; Pimpla pedalis; Polistes dominula; Polistes fuscatus; **Polistes metricus**; Prionyx parkeri; **Scolia nobilitata**; **Sphecius speciosus**; Spheg ichneumoneus; Spheg nudus; Spheg pensylvanicus; **Tapinoma sessile**; **Tetramorium immigrans**; **Vespa crabro**; Vespula acadica; Vespula alascensis; Vespula consobrina; Vespula maculifrons; Vespula vidua; **Zethus spinipes**

NY BEETLES: (50) **Ampedus collaris**; **Bellamira scalaris**; Brachicantha ursina; **Brachyleptura rubrica**; Brachyleptura vagans; **Callimoxys sanguinicollis**; Chauliognathus marginatus; Chauliognathus pensylvanicus; Clytus ruficollis; Coccinella septempunctata; Coleomegilla maculata; Cotinis nitida; Cycloneda munda; Diabrotica undecimpunctata; Etorofus plebejus; Etorofus subhamatus; Eudermes picipes; **Euphoria sepulchralis**; Gaurotes cyanipennis; Glyptobaris lecontei; Harmonia axyridis; Hippodamia variegata; Judolia cordifera; Labidomera clivicollis; **Lebia viridis**; **Lepturobosca chrysocoma**; Lygistopterus perfacetus; Madarellus undulatus; Malthaca dimidiata; Megacerus discoidus; Megacyllene robiniae; **Monocrepidius lividus**; **Photinus pyralis**; Propylea quatuordecimpunctata; Pyrausta angulata; Rhagonycha fulva; Rhyssomatus lineaticollis; Stictoleptura canadensis; Strangalepta abbreviata; Strangalia acuminata; **Strangalia bicolor**; **Strigoderma arboricola**; Tetraopes tetrophthalmus; **Trichiotinus affinis**; Trichiotinus assimilis; **Trichiotinus piger**; Trichodes nuttalli; Typocerus acuticauda; Typocerus lugubris; Typocerus velutinus

White Snakeroot *Ageratina altissima*

Q1,Q2,Q4 · Aug-Oct

NA **363** NY **255** (147 georef. +108 range) bees 40.0 · butterflies 57.0 · moths 44.0 · flies 44.0 · wasps 40.0 · beetles 14.0

▲ **AT-RISK BEES:** **Bombus pensylvanicus S2**, **Bombus citrinus S2S3**, **Andrena asteris S3?**

SPECIALIST **Andrena asteris**, **Andrena hirticincta**

NY BEES: (40) Agapostemon sericeus; Agapostemon virescens; **Andrena asteris**; Andrena hirticincta; **Andrena nubecula**; Andrena robervalensis; **Andrena tridens**; **Andrena virginiana**; **Anthophora terminalis**; Apis mellifera; Augochlora pura; **Augochloropsis metallica**; **Augochloropsis viridula**; **Bombus affinis**; **Bombus citrinus**; **Bombus fraternus**; **Bombus griseocollis**; **Bombus impatiens**; **Bombus pensylvanicus**; **Bombus rufocinctus**; **Bombus ternarius**; **Ceratina calcarata**; **Coelioxys sayi**; **Halictus confusus**; **Halictus ligatus**; **Halictus rubicundus**; Hylaeus modestus; **Lasioglossum albipenne**; **Lasioglossum cinctipes**; **Lasioglossum coriaceum**; **Lasioglossum forbesii**; **Lasioglossum fuscipenne**; **Lasioglossum nigroviride**; **Lasioglossum quebecense**; **Lasioglossum vierecki**; **Lasioglossum zephyrum**; **Megachile latimanus**; **Megachile xylocopoides**; **Triepeolus helianthi**; Xylocopa virginica

NY BUTTERFLIES & MOTHS: (101) **Abaeis nicippe**; Agnorisma badinodis; **Albuna fraxini**; **Anagrapha falcifera**; **Anartia jatrophae**; Ancyloxypha numitor; **Argynnis aphrodite**; Argynnis cybele; Atalopedes huron; Atteva aurea; Autographa precatonensis; Burnsia communis; Calycopis cecrops; **Cecropia dorantes**; Chorea pariana; Cisseps fulvicollis; Coenonympha californica; Colias eurytheme; **Cupido comyntas**; Cyaniris neglecta; Cynia tenera; **Danaus gilippus**; Danaus plexippus; **Dione vanillae**; Disclisioprocta stellata; **Dryas iulia**; Elaphria grata; **Epargyreus clarus**; **Erynnis funeralis**; **Erynnis horatius**; **Eumaeus atala**; Euptoieta claudia; Euptoieta hegesia; **Eurema lisa**; Evergestis pallidata; Evergestis rimosalis; Feltia herilis; Feltia jaculifera; **Heliconius charithonia**; **Heliconia zea**; Hemiargus ceraunus; Hylephila phyleus; **Hypocala andromeda**; Junonia coenia; Lacinipolia renigera; **Leptotes cassius**; **Lerema accius**; Libytheana carinenta; Limenitis archippus; Limenitis astyanax; Lon zabulon; **Loxostege cereralis**; **Lycaena hypophlaeas**; Lycomorpha pholus; **Melipotis indomita**; Nephelodes minians; Nomophila nearctica; **Palthis asopialis**; Panoquina ocola; Papaipema baptisiae; **Papilio cressphontes**; **Papilio glaucus**; **Papilio rumiko**; Patalene olyzonaria; Peridroma saucia; **Phoebis agathis**; **Pholisora catullus**; Phyciodes tharos; Pieris rapae; Pleuroprucha insularia; Polites peckius; **Polites themistocles**; Polygonia comma; **Polygonia interrogationis**; **Pontia protodice**; Prochoerodes lineola; Prochoreutis inflatella; Pyrausta acronalis; **Pyrausta rubricalis**; **Quadrus cerialis**; Schinia nundina; **Schinia trifascia**; Schreckensteinia festaliella; **Sphacelodes vulneraria**; Spoladea recurvalis; Strymon melinus; **Synanthedon pictipes**; **Synanthedon pyri**; **Synanthedon scitula**; **Tebenna gnaphaliella**; Trichodezia albivittata; Tricholita signata; **Udea rubigalis**; **Urbanus proteus**; Vanessa atalanta; Vanessa cardui; Vanessa virginiensis; **Wallengrenia otho**; **Xenophanes tryxus**; Xestia smithii; **Zerene cesonia**

NY FLIES: (44) Aedes albopictus; Aedes canadensis; Aedes japonicus; Alagrapta aerea; **Allograpta obliqua**; Archytas metallicus; **Bombilius atriceps**; **Chalcosyrphus piger**; Cochlomyia macellaria; Copestylum sexmaculatum; Dilophus spinipes; Epistrophe emarginata; **Eristalis anthophorina**; Eristalis arbustorum; Eristalis dimidiata; Eristalis flavipes; **Eristalis stipator**; Eristalis tenax; Eristalis transversa; Eupeodes americanus; **Geranomyia rostrata**; **Helophilus fasciatus**; **Helophilus latifrons**; Juriniopsis adusta; Lucilia sericata; **Mesolia virginiensis**; Orthonevra nitida; **Palpada albifrons**; **Palpada vinetorum**; Paragus haemorrhous; **Parhelophilus divinus**; Physocephala tibialis; Pterallastes thoracicus; Sericomyia chrysotoxoides; **Sparnopolis confusus**; **Stratiomys norma**; Syritta pipiens; Syrphus knabi; Syrphus rectus; Toxomerus geminatus; Toxomerus marginatus; Trichopoda pennipes; Tropidia albistylum; **Volucella evecta**



NY WASPS: (40) *Ancistrocerus adiabatus*; *Ancistrocerus campestris*; *Ancistrocerus capra*; *Ancistrocerus gazella*; *Bembix americana*; *Bicyrtes quadrifasciatus*; *Bicyrtes ventralis*; *Cerceris clypeata*; *Cerceris fumipennis*; *Cerceris insolita*; *Dolichovespula maculata*; *Ectemnius continuus*; *Ectemnius maculosus*; *Eremnophila aureonotata*; *Eumenes fraternus*; *Eumenes mediterraneus*; *Euodynerus foraminatus*; *Isodontia auripes*; *Isodontia elegans*; *Isodontia mexicana*; *Macroisiagon limbata*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Parancistrocerus perennis*; *Philanthus bilunatus*; *Philanthus gibbosus*; *Philanthus solivagus*; *Polistes dominula*; *Polistes exclamans*; *Polistes fuscatus*; *Polistes metricus*; *Pseudodynerus quadrisectus*; *Scolia bicincta*; *Scolia dubia*; *Sphex ichneumoneus*; *Vespula germanica*; *Vespula maculifrons*; *Vespula squamosa*; *Vespula vidua*; *Zethus spinipes*

NY BEETLES: (14) *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*; *Gibbobruchus mimus*; *Harmonia axyridis*; *Lebia ornata*; *Lebia viridis*; *Megacyllene robiniae*; *Polemium laticornis*; *Propylea quatuordecimpunctata*; *Rhodoabaenus quinquepunctatus*; *Strangalepta abbreviata*; *Strangalia luteicornis*; *Trichiotinus affinis*

Purple Coneflower *Echinacea purpurea*

Q3 • Jun-Aug

NA **331** NY **299** (207 georef. +92 range) bees 65.0 • butterflies 79.0 • moths 46.0 • flies 27.0 • wasps 32.0 • beetles 31.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Bombus borealis* S3

SPECIALIST *Andrena rudbeckiae*, *Melissodes desponsus*

NY BEES: (65) *Agapostemon sericeus*; *Agapostemon splendens*; *Agapostemon texanus*; *Agapostemon virescens*; *Andrena wilkella*; *Anthidium manicatum*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bifarius*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus flavus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus insularis*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus suckleyi*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Bombus vancouverensis*; *Bombus vosnesenskii*; *Ceratina calcarata*; *Halictus confusus*; *Halictus ligatus*; *Halictus rubicundus*; *Hylaeus leptoccephalus*; *Hylaeus modestus*; *Lasioglossum coriaceum*; *Lasioglossum imitatum*; *Lasioglossum pectorale*; *Lasioglossum pilosum*; *Megachile campanulae*; *Megachile centuncularis*; *Megachile frugalis*; *Megachile inermis*; *Megachile inimica*; *Megachile latimanus*; *Megachile mendica*; *Megachile montivaga*; *Megachile pugnata*; *Megachile sculpturalis*; *Megachile texana*; *Melissodes bimaculatus*; *Melissodes denticulatus*; *Melissodes desponsus*; *Melissodes druriellus*; *Melissodes trinodis*; *Paranthidium jugatorium*; *Pseudoanthidium nanum*; *Ptilothrix bombiformis*; *Stelis louisae*; *Svastra obliqua*; *Triepeolus lunatus*; *Triepeolus remigatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (125) *Abaeis nicippe*; *Achyra rantalis*; *Aglais milberti*; *Alypia octomaculata*; *Amphipyra pyramidoides*; *Anagrapha falcifera*; *Anania funebris*; *Ancyloxypha numitor*; *Argynnis aphrodite*; *Argynnis atlantis*; *Argynnis cybele*; *Asterocampa clyton*; *Atalopedes huron*; *Atrytone arogos*; *Atrytone delaware*; *Atteva aurea*; *Autographa californica*; *Autographa precatonensis*; *Battus philenor*; *Boloria myrina*; *Burnsius communis*; *Calycopis cecrops*; *Cercyonis pegala*; *Chlosyne nycteis*; *Cisseps fulvicollis*; *Coenonympha californica*; *Colias eurytheme*; *Colias interior*; *Colias philodice*; *Ctenucha virginica*; *Cupido comyntas*; *Cyaniris neglecta*; *Danaus gilippus*; *Danaus plexippus*; *Darapsa myron*; *Desmia funeralis*; *Diathrausta reconditalis*; *Dione vanillae*; *Dryas iulia*; *Eichlinia cucurbitae*; *Epargyreus clarus*; *Erora laeta*; *Erynnis baptisiae*; *Erynnis funeralis*; *Erynnis horatius*; *Euphydryas phaeton*; *Euphyes vestris*; *Eupithecia miserulata*; *Euptoieta claudia*; *Eurema lisa*; *Feltia herilis*; *Feltia subgothica*; *Haploa clymene*; *Haploa confusa*; *Heliconius charithonia*; *Hemaris diffinis*; *Hemaris thysbe*; *Homoeosoma electellum*; *Hylephila phyleus*; *Junonia coenia*; *Lascoria ambigua*; *Lerodea eufala*; *Libytheana carinenta*; *Limenitis archippus*; *Limenitis arthemis*; *Limenitis astyanax*; *Lycaena hypophlaeas*; *Lycophotia pholus*; *Macaria pustularia*; *Metzneria lappella*; *Mitoura gryneus*; *Mythimna unipuncta*; *Noctua pronuba*; *Nomophila nearctica*; *Nymphalis antiopa*; *Ostrinia nubilalis*; *Panoquina ocola*; *Panoquina panoquin*; *Papilio canadensis*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio rutulus*; *Papilio solstitialis*; *Papilio troilus*; *Phoebis agarithe*; *Phoebis sennae*; *Pholisora catullus*; *Phyciodes tharos*; *Pieris rapae*; *Pleuroprucha insularia*; *Poanes massasoit*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Polygonia comma*; *Polygonia interrogationis*; *Polygonia progne*; *Ponometia erastrioides*; *Pontia protodice*; *Problema byssus*; *Pyrausta acronalis*; *Pyrausta inornatalis*; *Pyrausta orphisalis*; *Pyrausta signatalis*; *Satyrus calanus*; *Satyrus liparops*; *Schinia arcigera*; *Schinia trifascia*; *Spoladea recurvalis*; *Strymon melinus*; *Synchlora aerata*; *Syngamia florella*; *Syngrapha rectangula*; *Syntomeida epilais*; *Tharsalea hyllus*; *Thymelicus lineola*; *Trichodezia albivittata*; *Tricholita signata*; *Udea rubigalis*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*; *Wallengrenia egeremet*; *Zerene cesonia*

NY FLIES: (27) *Allograpta obliqua*; *Condylostylus siphio*; *Diogmites basalis*; *Epistrophe emarginata*; *Epistrophe grossulariae*; *Eristalinus aeneus*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis flavipes*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Exomala orientalis*; *Exoprosopa decora*; *Hemipenthes sinuosus*; *Lucilia sericata*; *Mesolia virginiensis*; *Phytoecia tibialis*; *Poecilanthrax tegminipennis*; *Rhingia nasica*; *Sericomyia chrysotoxoides*; *Stonemyia rasa*; *Stylogaster neglecta*; *Syrphia pipiens*; *Syrphus ribesii*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (32) *Ammophila procera*; *Ancistrocerus adiabatus*; *Ancistrocerus albophaleratus*; *Ancistrocerus gazella*; *Anoplius illinoensis*; *Bembix americana*; *Bicyrtes quadrifasciatus*; *Bicyrtes ventralis*; *Camponotus pennsylvanicus*; *Cerceris clypeata*; *Dolichovespula arctica*; *Dolichovespula arenaria*; *Dolichovespula maculata*; *Eremnophila aureonotata*; *Euodynerus hidalgo*; *Macroisiagon limbata*; *Monobia quadridens*; *Parancistrocerus histrio*; *Parancistrocerus leionotus*; *Philanthus bilunatus*; *Philanthus gibbosus*; *Polistes dominula*; *Polistes fuscatus*; *Sceliphron caementarium*; *Scolia nobilitata*; *Sphecius speciosus*; *Sphex ichneumoneus*; *Sphex nudus*; *Sphex pensylvanicus*; *Tachypompilus ferrugineus*; *Vespula consobrina*; *Vespula maculifrons*

NY BEETLES: (31) *Acmaeodera pulchella*; *Acropteryx gracilis*; *Adalia bipunctata*; *Anatis labiculata*; *Anthrenus coloratus*; *Anthrenus isabellinus*; *Baliosus nervosus*; *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Coleomegilla maculata*; *Conotelus obscurus*; *Cotinis nitida*; *Diabrotica barberi*; *Diabrotica undecimpunctata*; *Harmonia axyridis*; *Judolia cordifera*; *Labidomera clivicollis*; *Larinus obtusus*; *Lebia viridis*; *Mordella marginata*; *Pelidnota punctata*; *Popillia japonica*; *Propylea quatuordecimpunctata*; *Saperda candida*; *Stictoleptura canadensis*; *Strangalepta abbreviata*; *Strangalia famelica*; *Strangalia luteicornis*; *Tetraopes tetrophthalmus*; *Trichiotinus affinis*; *Typocerus velutinus*

Grass-leaved Goldenrod *Euthamia graminifolia*

Q3 • Aug-Sep

NA **324** NY **295** (191 georef. +104 range) bees 57.0 • butterflies 54.0 • moths 48.0 • flies 40.0 • wasps 66.0 • beetles 15.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Bombus borealis* S3, *Andrena asteris* S3?, *Andrena braccata* S2?

SPECIALIST *Andrena asteris*, *Andrena hirticincta*, *Andrena nubecula*, *Colletes compactus*

NY BEES: (57) *Agapostemon sericeus*; *Agapostemon splendens*; *Agapostemon virescens*; *Andrena asteris*; *Andrena braccata*; *Andrena hirticincta*; *Andrena nubecula*; *Apis mellifera*; *Augochlora pura*; *Augochloropsis viridula*; *Bombus affinis*; *Bombus borealis*; *Bombus citrinus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus insularis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Calliopsis andreniformis*; *Ceratina calcarata*; *Ceratina strenua*; *Coelioxys coturnix*; *Coelioxys modesta*; *Coelioxys octodentata*; *Coelioxys sayi*; *Colletes compactus*; *Colletes simulans*; *Epelous scutellaris*; *Eucera atriventris*; *Halictus confusus*; *Halictus ligatus*; *Halictus rubicundus*; *Hylaeus modestus*; *Lasioglossum foveolatum*; *Lasioglossum fuscipenne*; *Lasioglossum imitatum*; *Lasioglossum nigroviride*; *Megachile latimanus*; *Megachile mendica*; *Megachile pugnata*; *Melissodes dentiventris*; *Melissodes druriellus*; *Melissodes illatus*; *Nomada integerima*; *Nomada placida*; *Nomada tiftonensis*; *Pseudopanurgus andrenoides*; *Sphecodes davisii*; *Stelis louisae*; *Triepeolus lunatus*; *Triepeolus pectoralis*; *Triepeolus remigatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (102) *Achyra rantalis*; *Acoloithus falsarius*; *Aglais milberti*; *Agrotis ipsilon*; *Anagrapha falcifera*; *Anania funebris*; *Anartia jatrophae*; *Ancyloxypha numitor*; *Argynnis aphrodite*; *Argynnis atlantis*; *Argynnis cybele*; *Atalopedes huron*; *Atteva aurea*; *Autographa precatonensis*; *Boloria myrina*; *Burnsius communis*; *Calycopis cecrops*; *Carmanta pyralidiformis*; *Cercyonis pegala*; *Cisseps fulvicollis*; *Coenonympha californica*; *Colias eurytheme*; *Colias interior*; *Colias philodice*; *Crambodes talidiformis*; *Cupido comyntas*; *Cyaniris neglecta*; *Cynia tenera*; *Danaus gilippus*; *Danaus plexippus*; *Desmia funeralis*; *Emmelina monodactyla*; *Epargyreus clarus*; *Erynnis baptisiae*; *Eucirroedia pampina*; *Euphyes vestris*; *Euptoieta claudia*; *Eurema lisa*; *Eusarca confusaria*; *Euxoa detersa*; *Feltia herilis*; *Feltia jaculifera*; *Feltia subgothica*; *Fumibotys fumalis*; *Galgula partita*; *Geina tenuidactyla*; *Haploa clymene*; *Helicoverpa zea*; *Hesperia colorado*; *Hesperia leonardus*; *Hylephila phyleus*; *Hymenia perspectalis*; *Hypena baltimoralis*; *Hypena scabra*; *Junonia coenia*; *Lacinipolia renigera*; *Libytheana carinenta*; *Limenitis archippus*;



Limenitis arthemis; Limenitis astyanax; Lon zabulon; Lycaena hypophlaeas; Lycomorpha pholus; **Macaria bisignata**; Macaria pustularia; **Mitoura gryneus**; Nephelodes minians; **Noctua pronuba**; **Nomophila nearctica**; Nymphalis antiopa; Panoquina ocola; Papilio cresphontes; Papilio glaucus; **Papilio palamedes**; **Papilio polyxenes**; Phyciodes tharos; Pieris rapae; Polites peckius; Polites themistocles; Polygonia comma; Polygonia faunus; **Prochoerodes lineola**; Pyrausta orphisalis; Rheumaptera undulata; Rivula propinqualis; **Satyrium calanus**; Schinia arcigera; Schinia nundina; Spoladea recurvalis; Spragueia leo; Strymon melinus; **Synanthedon exitiosa**; Synanthedon scitula; **Synanthedon sigmoidea**; Tharsalea hyllus; Tricholita signata; Trichordestra legitima; Udea rubigalis; Vanessa atalanta; Vanessa cardui; Vanessa virginiensis; **Wallengrenia otho**

NY FLIES: (40) **Cholomyia inaequipes**; Dilophus spinipes; Diogmites basalis; **Eristalinus aeneus**; Eristalis anthophorina; **Eristalis arbustorum**; Eristalis dimidiata; Eristalis flavipes; **Eristalis transversa**; **Eupeodes americanus**; **Exoprosopa decora**; **Exoprosopa fasciata**; **Geranomyia rostrata**; Helophilus fasciatus; Hystricia abrupta; **Lucilia sericata**; **Milesia virginiensis**; Muscina stabulans; **Palpada agrorum**; **Palpada furcata**; **Paragus haemorrhous**; Parhelophilus divisus; Physocephala furcillata; Physocephala tibialis; Poecilanthrax tegminipennis; **Polydontomyia curvipes**; **Senotainia trilineata**; Sericomyia chrysotoxoides; Sparnopolius confusus; **Stomoxys calcitrans**; Syritta pipiens; **Syrphus rectus**; **Syrphus torvus**; Toxomerus geminatus; Toxomerus marginatus; **Toxorhina magna**; **Trichopoda lanipes**; Trichopoda pennipes; Trichopoda plumipes; **Xylota bicolor**

NY WASPS: (66) **Ammophila nigricans**; **Ammophila pictipennis**; **Ammophila procera**; Ancistrocerus adiabatus; Ancistrocerus campestris; Ancistrocerus capra; Ancistrocerus catskill; **Ancistrocerus gazella**; **Ancistrocerus unifasciatus**; **Aphilanthops frigidus**; Bembix americana; Bicyrtes quadrifasciatus; **Bicyrtes ventralis**; **Cerceris fumipennis**; Cerceris halone; Cerceris insolita; **Dielis plumipes**; Dolichovespula arctica; Dolichovespula arenaria; Dolichovespula maculata; Dolichovespula norvegicoides; **Ectemnius arcuatus**; **Ectemnius decemmaculatus**; **Ectemnius maculosus**; Eremnophila aureonotata; **Eumenes crucifera**; Eumenes fraternus; Euodynerus foraminatus; Euodynerus hidalgo; Euodynerus megaera; **Exetastes suaveolens**; Isodontia auripes; Isodontia elegans; Isodontia mexicana; Isodontia philadelphia; **Larra analis**; **Leucospis affinis**; Monobia quadridens; **Myzinum carolinianum**; Myzinum quinquecinctum; Parancistrocerus leionotus; **Parancistrocerus pedestris**; **Parancistrocerus perennis**; Philanthus bilunatus; Philanthus gibbosus; Philanthus ventralis; **Polistes bellicosus**; **Polistes dominula**; **Polistes dorsalis**; Polistes fuscatus; **Polistes metricus**; Pseudodynerus quadrisectus; Sceliphron caementarium; Scolia bicincta; Scolia dubia; Spheg ichneumoneus; Spheg nudus; Spheg pensylvanicus; **Stictia carolina**; **Symmorphus canadensis**; Tiphia maculata; **Vespula alascensis**; Vespula consobrina; Vespula maculifrons; Vespula vidua; Zethus spinipes

NY BEETLES: (15) **Acmaeodera tubulus**; **Calleida punctata**; **Calligrapha bidenticola**; **Ceratomegilla notata**; Coccinella septempunctata; **Coleomegilla maculata**; Diabrotica undecimpunctata; Epicauta pensylvanica; Euphoria sepulcralis; Lebia ornata; Megacyllene robiniae; Popillia japonica; Propylea quatuordecimpunctata; **Strangalia luteicornis**; **Typocerus velutinus**

Wild Bergamot *Monarda fistulosa*

Q3 · Jul-Sep

NA **318** NY **279** (172 georef. +107 range) bees 71.0 · butterflies 69.0 · moths 39.0 · flies 22.0 · wasps 35.0 · beetles 26.0

▲ **AT-RISK BEES:** **Bombus borealis S3**, **Bombus citrinus S2S3**, **Bombus fervidus S3**, **Bombus pensylvanicus S2**, **Bombus terricola S3**, **Megachile melanophaea S2S3**

SPECIALIST Dufourea monardae, Melissodes desponsus, Peponapis pruinosa

NY BEES: (71) **Agapostemon splendens**; Agapostemon virescens; **Andrena crataegi**; **Andrena pruni**; **Anthidium florentinum**; Anthidium manicatum; **Anthophora abrupta**; Anthophora bomboidea; Anthophora terminalis; **Anthophora walshii**; Apis mellifera; Augochlora pura; Augochlora aurata; Bombus affinis; **Bombus appositus**; Bombus auricomus; **Bombus bifarius**; Bombus bimaculatus; Bombus borealis; Bombus citrinus; Bombus fervidus; **Bombus fraternus**; Bombus griseocollis; **Bombus huntii**; Bombus impatiens; **Bombus insularis**; **Bombus nevadensis**; **Bombus occidentalis**; Bombus pensylvanicus; Bombus perplexus; Bombus rufocinctus; Bombus ternarius; Bombus terricola; Bombus vagans; **Bombus vosnesenskii**; Ceratina calcarata; **Ceratina dupla**; **Ceratina strenua**; **Colletes nudus**; Dufourea monardae; **Florilegus condignus**; Halictus confusus; Halictus ligatus; Halictus rubicundus; **Heriades carinata**; **Hoplitis pilosifrons**; Hylaeus annulatus; Lasioglossum anomalum; Lasioglossum cressonii; Lasioglossum imitatum; Lasioglossum vierecki; Megachile campanulae; Megachile frigida; Megachile gemula; Megachile inermis; Megachile latimanus; **Megachile melanophaea**; Megachile relativa; Megachile sculpturalis; **Megachile texana**; Melissodes bimaculatus; **Melissodes communis**; Melissodes desponsus; Melissodes trinodis; **Melitoma taurea**; Peponapis pruinosa; **Pseudopanurgus labrosus**; Stelis louisae; **Tripeolus cressonii**; **Tripeolus lunatus**; Xyllocopa virginica

NY BUTTERFLIES & MOTHS: (108) Abaeis nicippe; **Achyra rantalis**; **Aellopos titan**; Alypia octomaculata; Amphion floridensis; **Amphipoea americana**; Anagrapha falcifera; **Anania funebris**; **Ancyloxypha numitor**; Argynnis aphrodite; Argynnis atlantis; Argynnis cybele; Argynnis idalia; Asterocampa clyton; Atalopodes huron; **Atrytone arogos**; Atrytone delaware; Atteva aurea; Autographa precationis; Battus philenor; Caenurgina crassiuscula; **Cecropterus lyciades**; Cercyonis pegala; **Chlosyne nycteis**; Cisseus fulvicollis; Coenonympha californica; Colias eurytheme; Colias philodice; Ctenucha virginica; Cucullia asteroides; Cupido comyntas; Cynia tenera; Danaus plexippus; Diachrysis aereoides; Eichlinia cucurbitae; Epargyreus clarus; Erynnis baptisiae; Erynnis horatius; Erynnis lucilius; Euchaena serrata; Euphyes conspiciua; Euphyes dion; Euphyes vestris; Euptychia cymela; Eusarca confusaria; Feltia herilis; Feltia subgothica; Glaphyria fulminalis; Hemaris diffinis; Hemaris thysbe; Hesperia leonardus; Hylephila phyleus; Hyles gallii; Hyles lineata; Hypercompe scribonia; **Junonia coenia**; Lacinipolia renigera; **Lerema accius**; **Lethe anthedon**; **Libytheana carinenta**; Limenitis archippus; Limenitis arthemis; Limenitis astyanax; Limochares origenes; Lon zabulon; Mitoura gryneus; Noctua pronuba; **Nymphalis antiopa**; **Panoquina panoquin**; Papilio canadensis; Papilio cresphontes; Papilio glaucus; Papilio polyxenes; **Papilio rutulus**; Papilio solstitius; Papilio troilus; **Peridroma saucia**; Phyciodes tharos; Pieris rapae; **Poanes massasoit**; Poanes viator; Polites peckius; Polites themistocles; **Polygonia comma**; Polygonia interrogationis; **Problema byssus**; Prochoerodes lineola; **Protographium marcellus**; Pseudohermonassa bicarnea; Pyrausta acronalis; Pyrausta orphisalis; Pyrausta signatalis; **Rachiplusia ou**; Satyrium calanus; Satyrium titus; Schinia arcigera; Schinia saturata; Sitochroa palealis; **Speyeria atlantis**; **Speyeria cybele**; Strymon melinus; **Thymelicus lineola**; **Thyris maculata**; **Urbanus proteus**; Vanessa atalanta; Vanessa cardui; Vanessa virginiensis; Wallengrenia egeremet

NY FLIES: (22) Allagrapha aerea; Anthrax doleschalli; Anthrax irrortus; **Bibio albipennis**; Blepharomastix ranalis; Chalcosyrphus chalybeus; **Chalcosyrphus nemorum**; **Epistrophe emarginata**; Epistrophe emarginata; **Eupeodes americanus**; **Exomala orientalis**; Hybomitra cincta; **Lucilia sericata**; **Meromyza americana**; **Orthonevra nitida**; Physocephala tibialis; Rhingia nasica; **Rivellia pallida**; Stylogaster neglecta; Toxomerus geminatus; Toxomerus marginatus; **Volucella bombylans**

NY WASPS: (35) **Ammophila pictipennis**; Ancistrocerus gazella; **Ancistrocerus spinolae**; **Cerceris fumipennis**; **Dielis plumipes**; Dolichovespula arctica; Dolichovespula arenaria; Dolichovespula maculata; **Eremnophila aureonotata**; Euodynerus foraminatus; Euodynerus megaera; Formica subsericea; Isodontia auripes; **Lasius neoniger**; **Macrosciagon limbata**; **Monobia quadridens**; **Nylanderia flavipes**; Parancistrocerus fulvipes; Parancistrocerus histrio; Parancistrocerus leionotus; Parancistrocerus pedestris; **Parancistrocerus pensylvanicus**; Parancistrocerus perennis; Parazumia symmorpha; **Polistes dominula**; Polistes fuscatus; Prionyx parkeri; Scolia dubia; Spheg ichneumoneus; Spheg nudus; Spheg pensylvanicus; **Tachytes chrysopyga**; Vespula consobrina; **Vespula germanica**; **Zethus spinipes**

NY BEETLES: (26) Anthonomus signatus; **Brachiachantha decempustulata**; Brachiachantha ursina; **Brachyleptura vagans**; **Chauliognathus marginatus**; Chauliognathus pensylvanicus; Coccinella septempunctata; **Coleomegilla maculata**; Cotinis nitida; **Diabrotica cristata**; **Diabrotica undecimpunctata**; **Glyptobaris lecontei**; Harmonia axyridis; Judolia cordifera; Languria trifasciata; Lebia viridis; **Naupactus leucoloma**; **Popillia japonica**; **Pseudocnecorhinus bifasciatus**; Rhagonycha fulva; Stictoleptura canadensis; Strangalepta abbreviata; **Strangalia famelica**; **Trichiotinus assimilis**; **Trichodes nuttalli**; Typocerus velutinus

Butterfly Milkweed *Asclepias tuberosa*

Q1,Q2,Q3 · May-Aug

NA **296** NY **277** (167 georef. +110 range) bees 87.0 · butterflies 67.0 · moths 25.0 · flies 22.0 · wasps 40.0 · beetles 22.0

▲ **AT-RISK BEES:** **Bombus pensylvanicus S2**, **Bombus fervidus S3**, **Bombus citrinus S2S3**, **Bombus terricola S3**, **Bombus borealis S3**

LARVAL HOST: Monarch

NY BEES: (87) Agapostemon sericeus; **Agapostemon splendens**; **Agapostemon texanus**; Agapostemon virescens; Andrena wilkella; Anthidiellum notatum; Anthidium manicatum; Anthidium oblongatum; **Anthophora abrupta**; Anthophora bomboidea; Anthophora terminalis; **Anthophora walshii**; Apis mellifera; Augochlora pura; Augochlora aurata; **Augochloropsis viridula**; **Bombus affinis**; **Bombus auricomus**; Bombus bimaculatus; **Bombus borealis**; Bombus citrinus; **Bombus fervidus**; Bombus flavivittatus; **Bombus fraternus**; Bombus griseocollis; **Bombus huntii**; Bombus impatiens; **Bombus insularis**; Bombus pensylvanicus; Bombus perplexus; Bombus rufocinctus;



Bombus ternarius; Bombus terricola; Bombus vagans; Ceratina calcarata; **Ceratina dupla**; Ceratina strenua; Coelioxys modesta; Coelioxys obtusiventris; Coelioxys octodentata; Coelioxys sayi; **Colletes nudus**; **Dianthidium simile**; Epeolus bifasciatus; **Epeolus lectoides**; Halictus confusus; Halictus ligatus; **Halictus rubicundus**; Heriades carinata; **Hylaeus annulatus**; **Hylaeus floridanus**; **Hylaeus leptocephalus**; **Hylaeus modestus**; **Hylaeus sparsus**; Lasioglossum coriaceum; Lasioglossum fuscipenne; Lasioglossum paradmirationum; Lasioglossum pectorale; **Megachile addenda**; **Megachile albitoris**; Megachile campanulae; Megachile centuncularis; Megachile exilis; Megachile frigida; **Megachile frugalis**; **Megachile gemula**; Megachile latimanus; Megachile mendica; Megachile montivaga; **Megachile pruina**; Megachile pugnata; Megachile rotundata; Megachile sculpturalis; Megachile texana; **Megachile xylocopoides**; Melissodes bimaculatus; **Melissodes dentiventris**; Melissodes trinodis; **Nomada vegana**; **Paranthidium jugatorium**; **Pseudopanurgus parvus**; Stelis louisae; **Triepeolus cressonii**; **Triepeolus donatus**; Triepeolus lunatus; Triepeolus remigatus; Xylocopa virginica

NY BUTTERFLIES & MOTHS: (92) **Abaeis nicippe**; Alypia octomaculata; **Ancyloxypha numitor**; Argynnis aphrodite; Argynnis atlantis; Argynnis cybele; Argynnis idalia; Atalopodes huron; Atteva aurea; Battus philenor; Boloria myrina; Calephelis borealis; Callophrys gryneus; Calycopis cecrops; Cercyonis pegala; Chlosyne nycteis; Clossiana toddi; Colias eurytheme; Colias philodice; Crambus agitatellus; Ctenucha virginica; Cupido comyntas; Cyaniris neglecta; **Cynia tenera**; **Danaus gilippus**; Danaus plexippus; **Dione vanillae**; Eichlinia cucurbitae; Emmelina monodactyla; Epargyreus clarus; Erynnis baptisiae; **Erynnis horatius**; Euphydryas phaeton; **Euphyes vestris**; Euptoieta claudia; Euptychia cymela; Geina tenuidactyla; **Harrisina americana**; Hemaris diffinis; **Hermeuptychia hermes**; **Hylephila phyleus**; Hypena scabra; Idia diminuendis; Junonia coenia; **Leptotes cassius**; Leuconycta diptheroides; **Libytheana carinenta**; Limenitis archippus; Lycaena hypophlaeas; Lycomorpha pholus; Mitoura gryneus; Nomophila nearctica; Papilio cressphontes; Papilio glaucus; **Papilio palamedes**; Papilio polyxenes; Papilio solstitialis; Papilio troilus; **Papilio zelicaon**; **Petrophila bifascialis**; **Phoebis sennae**; Pholisora catullus; Phyciodes tharos; Pieris rapae; Plebejus samuelis; Polites peckius; Polites themistocles; Polygonia interrogationis; Polyommatus icarus; **Prochoreutis inflatella**; Protographium marcellus; Pyrausta signatalis; **Satyrion acadica**; Satyrion calanus; Satyrion caryaeavorus; Satyrion edwardsii; **Satyrion favonius**; Satyrion liparops; Satyrion titus; Scopula limboundata; **Spragueia leo**; Strymon melinus; **Tharsalea hyllus**; Thyris maculata; Trichodezia albivittata; **Udea rubigalis**; Vanessa atalanta; **Vanessa cardui**; Vanessa virginensis; Wallengrenia egeremet; Zanclognatha jaccusalis; Zanclognatha lituralis

NY FLIES: (22) Allograpta obliqua; **Cynomya cadaverina**; Eristalinus aeneus; **Eristalis arbustorum**; **Eristalis dimidiata**; Eristalis transversa; **Eupeodes americanus**; Exomala orientalis; Geron calvus; Helophilus fasciatus; Meliscaeva cinctella; Merodon equestris; Ogcocodera leucoprocta; Parhelophilus divinus; Physocephala furcillata; **Physocephala marginata**; Physocephala tibialis; Stylogaster neglecta; Syritta pipiens; Toxomerus geminatus; Toxomerus marginatus; **Tropidia quadrata**

NY WASPS: (40) Ammophila procera; **Anacrabro ocellatus**; Bembix americana; **Bembix pallidipicta**; Camponotus pennsylvanicus; **Cerceris bicornuta**; **Cerceris clypeata**; **Cerceris fumipennis**; Ceropales maculata; Dielis plumipes; Dolichovespula arenaria; **Dolichovespula maculata**; Eremnophila aureonotata; Eumenes fraternus; Euodynerus hidalgo; Formica fusca; Formica pallidefulva; Isodontia mexicana; Lasius emarginatus; **Monobia quadridens**; Nylanderia flavipes; Oxybelus emarginatus; **Parancistrocerus fulvipes**; Parancistrocerus perennis; **Philanthus gibbosus**; Philanthus politus; Polistes dominula; Polistes exclamans; Polistes fuscatus; **Polistes metricus**; **Prenolepis imparis**; Scolia dubia; Scolia nobilitata; Sphecius speciosus; Sphex ichneumoneus; Sphex pensylvanicus; **Tachytes aurentulus**; **Tapinoma sessile**; **Vespula acadica**; Vespula maculifrons

NY BEETLES: (22) Acmaeodera tubulus; Apiomerus crassipes; **Brachiacantha ursina**; Chauliognathus marginatus; **Chauliognathus pensylvanicus**; Coccinella septempunctata; **Coleomegilla maculata**; **Euphoria sepulcralis**; **Gibbobruchus mimus**; Harmonia axyridis; Labidomera clivicollis; **Lebia viridis**; Monocrepidius lividus; **Nemognatha nemorensis**; **Onthophagus pennsylvanicus**; Photinus pyralis; Propylea quatuordecimpunctata; **Strangalia luteicornis**; Tetraopes melanurus; **Trichiotinus affinis**; Typocerus zebra; Zonitis vittigera

Blunt Mountain Mint *Pycnanthemum muticum*

Q2.Q3 · Jul-Sep

NA **269** NY **259** (168 georef. +91 range) bees 63.0 · butterflies 43.0 · moths 38.0 · flies 30.0 · wasps 61.0 · beetles 15.0
▲ AT-RISK BEES: **Bombus pennsylvanicus S2**, **Bombus fervidus S3**, **Bombus citrinus S2S3**, **Bombus terricola S3**

SPECIALIST *Andrena hirticincta*

NY BEES: (63) Agapostemon sericeus; Agapostemon splendens; Agapostemon texanus; Agapostemon virescens; **Andrena hirticincta**; **Andrena wilkella**; **Anthidiellum notatum**; **Anthidium manicatum**; Anthidium oblongatum; Apis mellifera; Augochlora pura; Augochlora aurata; Augochloropsis viridula; **Bombus affinis**; Bombus bimaculatus; Bombus citrinus; Bombus fervidus; Bombus flavus; **Bombus fraternus**; Bombus griseocollis; Bombus impatiens; **Bombus pensylvanicus**; **Bombus perplexus**; Bombus rufocinctus; Bombus ternarius; **Bombus terricola**; Bombus vagans; Calliopsis andreniformis; Ceratina calcarata; Coelioxys coturnix; Coelioxys modesta; Coelioxys octodentata; Coelioxys sayi; Epeolus bifasciatus; Epeolus scutellaris; Halictus confusus; Halictus ligatus; Halictus parallelus; Halictus rubicundus; Hylaeus leptocephalus; Hylaeus modestus; Lasioglossum coriaceum; **Lasioglossum fuscipenne**; Lasioglossum pectorale; **Lasioglossum pilosum**; Megachile campanulae; Megachile centuncularis; Megachile exilis; Megachile mendica; **Megachile pugnata**; Megachile pusilla; Megachile rotundata; Megachile sculpturalis; Megachile texana; **Megachile xylocopoides**; Melissodes bimaculatus; **Melissodes communis**; Melissodes druriellus; **Nomada maculata**; **Ptilothrix bombiformis**; Stelis louisae; Triepeolus lunatus; Xylocopa virginica

NY BUTTERFLIES & MOTHS: (81) Achyra rantalis; Anagrapha falcifera; **Ancyloxypha numitor**; **Argynnis aphrodite**; **Argynnis cybele**; Atalopodes huron; Atteva aurea; Calycopis cecrops; Carmenta bassiformis; Chlosyne nycteis; Cisseps fulvicollis; Colias eurytheme; Colias philodice; Ctenucha virginica; Cupido comyntas; Cyaniris neglecta; **Cynia tenera**; Danaus plexippus; **Dejongia lobidactylus**; **Desmia funeralis**; **Disonycha glabrata**; Emmelina monodactyla; Epargyreus clarus; **Erynnis baptisiae**; Erynnis horatius; **Euphyes vestris**; **Euptoieta claudia**; Evergestis pallidata; Feltia subgothica; Harrisina americana; **Hylephila phyleus**; Junonia coenia; Libytheana carinenta; Limenitis archippus; Lycaena hypophlaeas; Lycomorpha pholus; Mythimna unipuncta; Palthis angualis; Panoquina panoquin; Papilio glaucus; Papilio polyxenes; **Papilio troilus**; Phyciodes tharos; Pieris rapae; Poanes viator; Polites peckius; Polites themistocles; **Polygonia comma**; Polygonia interrogationis; Ponometa candefacta; **Ponometa erastrioides**; **Prochoreutis inflatella**; Protographium marcellus; Pyrausta acronialis; Pyrausta bicoloralis; Pyrausta inornatalis; Pyrausta orphisalis; Pyrausta signatalis; Satyrion calanus; **Satyrion liparops**; Satyrion titus; Schinia florida; Spoladea recurvalis; **Spragueia apicalis**; **Spragueia dama**; **Spragueia leo**; Strymon melinus; **Synanthedon decipiens**; **Synanthedon exitiosa**; **Synanthedon kathyae**; **Synanthedon pictipes**; **Synanthedon scitula**; Synchrona aerata; **Thyris maculata**; **Urbanus proteus**; Vanessa atalanta; Vanessa cardui; **Vanessa virginensis**; Wallengrenia egeremet; **Wallengrenia otho**

NY FLIES: (30) Aedes albopictus; **Aedes triseriatus**; **Chrysanthrax cypris**; Cochliomyia macellaria; Eristalinus aeneus; Eristalis arbustorum; Eristalis dimidiata; Eristalis tenax; Eristalis transversa; Exomala orientalis; Juriniopsis adusta; Lucilia sericata; **Ocyptamus costatus**; **Ocyptamus fuscipennis**; Palpada vinetorum; Physocephala floridana; Physocephala furcillata; Physocephala marginata; **Physocephala sagittaria**; Physocephala tibialis; **Physoconops obscuripennis**; Pseudodoros clavatus; Scathophaga stercoraria; **Stylogaster neglecta**; Syritta pipiens; Toxomerus geminatus; Toxomerus marginatus; Toxomerus politus; Trichopoda pennipes; Trichopoda plumipes

NY WASPS: (61) Ammophila pictipennis; Ammophila procera; Anacrabro ocellatus; Ancistrocerus adiabatus; Ancistrocerus campestris; Ancistrocerus capra; **Ancistrocerus catskill**; **Ancistrocerus unifasciatus**; Bembix americana; Bicyrtus quadrifasciatus; Bicyrtes ventralis; **Cerceris fumipennis**; Cerceris insolita; Chalybion californicum; Dielis plumipes; Dolichovespula arenaria; Dolichovespula maculata; **Entypus unifasciatus**; Eremnophila aureonotata; Eumenes fraternus; Euodynerus foraminatus; Euodynerus hidalgo; **Euodynerus megaera**; Isodontia auripes; Isodontia elegans; Isodontia mexicana; Isodontia philadelphia; **Leptochilus republicanus**; Macroisiagon cruentus; Macroisiagon dimidiata; Macroisiagon flavipennis; Macroisiagon limbata; Monobia quadridens; Myzinum quinquecinctum; **Pachodynerus erynnis**; **Parancistrocerus fulvipes**; **Parancistrocerus leionotus**; Parancistrocerus perennis; Philanthus bilunatus; Philanthus gibbosus; **Philanthus sanbornii**; Polistes dominula; **Polistes dorsalis**; Polistes fuscatus; **Polistes metricus**; Prionyx parkeri; Pseudodynerus quadrisectus; Scolia bicincta; Scolia dubia; Scolia nobilitata; Sphex ichneumoneus; Sphex nudus; Sphex pensylvanicus; **Tachypompilus ferrugineus**; Tapinoma sessile; Tiphia maculata; Vespa crabro; **Vespula consobrina**; Vespula maculifrons; **Vespula squamosa**; Vespula vidua

NY BEETLES: (15) Anthrenus coloratus; **Chauliognathus marginatus**; Chauliognathus pensylvanicus; **Chelymorpha cassidea**; Coleomegilla maculata; **Cryptocephalus venustus**; **Epicauta funebris**; Harmonia axyridis; Labidomera clivicollis; Leptinotarsa decemlineata; **Megacyllene robiniae**; **Odontocorynus umbellae**; **Strangalia famelica**; Typocerus velutinus; Typocerus zebra



Slender Mountain Mint *Pycnanthemum tenuifolium*

Q2 · Jul-Sep

NA **231** NY **216** (125 georef. +91 range) bees 48.0 · butterflies 53.0 · moths 17.0 · flies 18.0 · wasps 50.0 · beetles 18.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Macropis patellata* S1

SPECIALIST *Colletes solidaginis*, *Macropis patellata*

NY BEES: (48) *Agapostemon sericeus*; *Agapostemon splendens*; *Agapostemon virescens*; *Andrena spiraeana*; *Anthidium oblongatum*; *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus flavidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Calliopsis andreniformis*; *Ceratina calcarata*; *Coelioxys modesta*; *Colletes solidaginis*; *Halictus confusus*; *Halictus ligatus*; *Halictus parallelus*; *Halictus rubicundus*; *Hylaeus affinis*; *Hylaeus modestus*; *Hylaeus sparsus*; *Lasioglossum vierecki*; *Macropis patellata*; *Megachile gemula*; *Megachile latimanus*; *Megachile petulans*; *Megachile rotundata*; *Megachile sculpturalis*; *Melissodes bimaculatus*; *Melissodes dentiventris*; *Melissodes druriellus*; *Nomada vegana*; *Osmia conjuncta*; *Peponapis pruinosa*; *Stelis louisae*; *Triepeolus donatus*; *Triepeolus lunatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (70) *Abaeis nicippe*; *Anania funebris*; *Ancyloxypha numitor*; *Argynnis cybele*; *Argynnis idalia*; *Atalopedes huron*; *Atrytone delaware*; *Atteva aurea*; *Battus philenor*; *Boloria myrina*; *Calycopis cecrops*; *Cecropterus bathyllus*; *Cecropterus lyciades*; *Cercyonis pegala*; *Chlosyne nycteis*; *Ciseps fulvicollis*; *Coenonympha californica*; *Colias eurytheme*; *Cupido comyntas*; *Cyaniris neglecta*; *Cynia tenera*; *Danaus plexippus*; *Dejongia lobidactylus*; *Eichlinia cucurbitae*; *Epargyreus clarus*; *Erynnis baptisiae*; *Erynnis brizo*; *Erynnis icelus*; *Erynnis icelus*; *Euphyes conspiciua*; *Euphyes vestris*; *Euptoieta claudia*; *Eurema lisa*; *Galasa nigrinodis*; *Harrisina americana*; *Hylephila phyleus*; *Junonia coenia*; *Limenitis archippus*; *Lon zabulon*; *Lycaena hypophlaeas*; *Mitoura gryneus*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio troilus*; *Phyciodes tharos*; *Pieris rapae*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Ponometa erastrioides*; *Problema byssus*; *Prochoreutis inflatella*; *Protographium marcellus*; *Pyrausta orphalis*; *Pyrausta rubricalis*; *Satyrus calanus*; *Satyrus liparops*; *Satyrus titus*; *Schinia arcigera*; *Sitochroa palealis*; *Spragueia leo*; *Strymon melinus*; *Synchlora aerata*; *Thyris maculata*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*; *Wallengrenia egeremet*; *Wallengrenia otho*

NY FLIES: (18) *Aedes albopictus*; *Bibio albipennis*; *Eristalis arbustorum*; *Eristalis tenax*; *Exomala orientalis*; *Exoprosopa fascipennis*; *Geron calvus*; *Lucilia sericata*; *Physocephala floridana*; *Physocephala marginata*; *Physocephala sagittaria*; *Physocephala tibialis*; *Physoconops brachyrhynchus*; *Physoconops obscuripennis*; *Syrirta pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Trichopoda pennipes*

NY WASPS: (50) *Ammophila procera*; *Ancistrocerus adiabatus*; *Ancistrocerus capra*; *Anoplius illinoensis*; *Anoplius virginiensis*; *Bembix americana*; *Bicyrtes quadrifasciatus*; *Cerceris fumipennis*; *Cerceris insolita*; *Dielis plumipes*; *Dolichovespula arenaria*; *Entypus unifasciatus*; *Eremophila aureonotata*; *Eumenes fraternus*; *Eumenes verticalis*; *Euodynerus foraminatus*; *Euodynerus hidalgo*; *Formica subsericea*; *Ichneumon ambulatorius*; *Isodontia auripes*; *Isodontia elegans*; *Isodontia mexicana*; *Isodontia philadelphia*; *Larra analis*; *Macroisiagon dimidiata*; *Macroisiagon flavipennis*; *Macroisiagon limbata*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Parancistrocerus fulvipes*; *Parancistrocerus pedestris*; *Parancistrocerus perennis*; *Phylanthus bilunatus*; *Phylanthus gibbosus*; *Phylanthus sanbornii*; *Polistes dominula*; *Polistes dorsalis*; *Polistes fuscatus*; *Pseudodynerus quadrisectus*; *Sceliphron caementarium*; *Scolia bicornis*; *Scolia dubia*; *Scolia nobilitata*; *Sphecius speciosus*; *Sphex ichneumoneus*; *Sphex nudus*; *Sphex pensylvanicus*; *Tachypompilus ferrugineus*; *Tachytes chrysopyga*; *Zethus spinipes*

NY BEETLES: (18) *Apiomerus crassipes*; *Brachyleptura vagans*; *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Coleomegilla maculata*; *Eudercus picipes*; *Euphoria sepulcralis*; *Hoshihananomia octopunctata*; *Lebia viridis*; *Megacyllene robiniae*; *Odontocorynus umbellae*; *Popillia japonica*; *Strangalia famelica*; *Strangalia luteicornis*; *Strigoderma pygmaea*; *Typocerus lugubris*; *Typocerus velutinus*; *Typocerus zebra*

New England Aster *Symphotrichum novae-angliae*

Q1,Q2,Q3,Q4 · Aug-Oct

NA **220** NY **200** (123 georef. +77 range) bees 59.0 · butterflies 52.0 · moths 13.0 · flies 30.0 · wasps 12.0 · beetles 7.0

▲ **AT-RISK BEES:** *Andrena asteris* S3?, *Bombus borealis* S3, *Bombus citrinus* S2S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2, *Bombus terricola* S3

SPECIALIST *Andrena asteris*, *Andrena hirticincta*, *Colletes compactus* **LARVAL HOST:** Pearl Crescent

NY BEES: (59) *Agapostemon sericeus*; *Agapostemon splendens*; *Agapostemon texanus*; *Agapostemon virescens*; *Andrena asteris*; *Andrena hirticincta*; *Andrena nubecula*; *Anthidium manicatum*; *Anthidium oblongatum*; *Anthophora terminalis*; *Apis mellifera*; *Augochlora pura*; *Augochlora aurata*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus insularis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Ceratina calcarata*; *Ceratina mikmaqi*; *Ceratina strenua*; *Coelioxys coturnix*; *Colletes compactus*; *Colletes speculiferus*; *Epeolus autumnalis*; *Epeolus bifasciatus*; *Epeolus pusillus*; *Halictus confusus*; *Halictus ligatus*; *Hylaeus modestus*; *Lasioglossum cinctipes*; *Lasioglossum coriaceum*; *Lasioglossum leucozonium*; *Megachile centuncularis*; *Megachile inermis*; *Megachile latimanus*; *Megachile mendica*; *Megachile relativa*; *Megachile sculpturalis*; *Megachile xylocopoides*; *Melissodes druriellus*; *Pseudoanthidium nanum*; *Stelis foederalis*; *Triepeolus lunatus*; *Triepeolus pectoralis*; *Triepeolus remigatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (65) *Abaeis nicippe*; *Aglais io*; *Aglais milberti*; *Anagrapha falcifera*; *Ancyloxypha numitor*; *Argynnis cybele*; *Atalopedes campestris*; *Atalopedes huron*; *Autographa californica*; *Autographa precationis*; *Battus philenor*; *Burnsius communis*; *Chlosyne nycteis*; *Ciseps fulvicollis*; *Clossiana tody*; *Coenonympha californica*; *Colias eurytheme*; *Colias philodice*; *Cucullia asteroides*; *Cupido comyntas*; *Cyaniris neglecta*; *Danaus plexippus*; *Dione vanillae*; *Disclisioprocta stellata*; *Epargyreus clarus*; *Erynnis baptisiae*; *Euphyes vestris*; *Euptoieta claudia*; *Feltia jaculifera*; *Helicoverpa zea*; *Hemaris diffinis*; *Hesperia leonardus*; *Hylephila phyleus*; *Junonia coenia*; *Lerema accius*; *Libytheana carinenta*; *Limenitis archippus*; *Lon zabulon*; *Lycaena hypophlaeas*; *Nathalis iole*; *Nymphalis l-album*; *Panoquina ocola*; *Panoquina panoquin*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio troilus*; *Phyciodes tharos*; *Pieris rapae*; *Polites peckius*; *Polites themistocles*; *Polyommatus icarus*; *Pontia protodice*; *Protographium marcellus*; *Pyrausta signatalis*; *Schinia arcigera*; *Spoladea recurvalis*; *Strymon melinus*; *Synchlora aerata*; *Tharsalea hyllus*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*; *Wallengrenia egeremet*; *Zerene cesonia*

NY FLIES: (30) *Epistrophe grossulariae*; *Epistrophe emarginata*; *Eristalis aeneus*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis flavipes*; *Eristalis stipator*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Eupeodes lapponicus*; *Helophilus fasciatus*; *Lucilia sericata*; *Ocyptamus fuscipennis*; *Palpada vinetorum*; *Parhelophilus divinus*; *Physocephala tibialis*; *Platycheirus obscurus*; *Poecilanthrax tegminipennis*; *Promachus vertebratus*; *Rhingia nasica*; *Sericomyia chrysotoxoides*; *Sericomyia militaris*; *Sparnopolus confusus*; *Syrirta pipiens*; *Syrphus rectus*; *Syrphus torvus*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Tropidia quadrata*

NY WASPS: (12) *Ancistrocerus gazella*; *Anoplius illinoensis*; *Bembix americana*; *Bicyrtes quadrifasciatus*; *Cerceris clypeata*; *Eumenes verticalis*; *Mesostenus gracilis*; *Parancistrocerus perennis*; *Phylanthus gibbosus*; *Polistes dominula*; *Tachytes aurentulus*; *Vespula maculifrons*

NY BEETLES: (7) *Acmaeodera tubulus*; *Chauliognathus pensylvanicus*; *Diabrotica barberi*; *Diabrotica undecimpunctata*; *Lebia viridis*; *Popillia japonica*; *Valgus canaliculatus*

Annual Fleabane *Erigeron annuus*

Q1,Q4 · Jun-Sep

NA **214** NY **193** (99 georef. +94 range) bees 33.0 · butterflies 37.0 · moths 14.0 · flies 29.0 · wasps 29.0 · beetles 25.0

▲ **AT-RISK BEES:** *Bombus terricola* S3

NY BEES: (33) *Agapostemon virescens*; *Anthidium oblongatum*; *Apis mellifera*; *Augochlora pura*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus rufocinctus*; *Bombus terricola*; *Ceratina calcarata*; *Ceratina mikmaqi*; *Ceratina strenua*; *Chelostoma philadelphia*; *Colletes nudus*; *Colletes thoracicus*; *Epeolus lectoides*; *Halictus confusus*; *Halictus ligatus*; *Halictus rubicundus*; *Hoplitis producta*; *Hylaeus leptocephalus*; *Hylaeus modestus*; *Lasioglossum cinctipes*; *Lasioglossum fuscipenne*; *Lasioglossum pectorale*; *Lasioglossum truncatum*; *Megachile centuncularis*; *Megachile sculpturalis*; *Nomada articulata*; *Sphecodes heraclei*; *Triepeolus cressonii*; *Triepeolus donatus*; *Triepeolus helianthi*

NYC MICRO-PAIRIE HABITAT MATRIX

NY BUTTERFLIES & MOTHS: (51) *Ancyloxypha numitor*; *Argynnis atlantis*; *Argynnis cybele*; *Atrytone arogos*; *Atrytone delaware*; *Battus philenor*; *Boloria myrina*; *Calephelis borealis*; *Carmenta pyralidiformis*; *Cercyonis pegala*; *Cisseps fulvicollis*; *Coenonympha californica*; *Colias eurytheme*; *Crambus laqueatellus*; *Ctenucha virginica*; *Cyaniris neglecta*; *Danaus plexippus*; *Eichlinia cucurbitae*; *Epargyreus clarus*; *Erora laeta*; *Erynnis horatius*; *Euptoieta claudia*; *Euptychia cymela*; *Geina tenuidactyla*; *Harrisina americana*; *Hemaris diffinis*; *Incisalia nippon*; *Junonia coenia*; *Libytheana carinenta*; *Limnitis archippus*; *Limochares mystic*; *Limochares origenes*; *Lycaena hypophlaeas*; *Mitoura gryneus*; *Papilio glaucus*; *Papilio polyxenes*; *Petrophila fulcalis*; *Phyciodes tharos*; *Pieris oleracea*; *Pieris rapae*; *Pontia protodice*; *Pyrausta orphisalis*; *Satyrus calanus*; *Satyrus liparops*; *Schinia florida*; *Sitochroa palealis*; *Strymon melinus*; *Synchlora aerata*; *Thyris maculata*; *Vanessa atalanta*; *Wallengrenia egeremet*

NY FLIES: (29) *Aedes albopictus*; *Allograpta obliqua*; *Blaesoxipha hunteri*; *Calliphora vicina*; *Campiglossa picciola*; *Chalcosyrphus nemorum*; *Epistrophe emarginata*; *Eristalis arbustorum*; *Eristalis flavipes*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Geron calvus*; *Lucilia sericata*; *Morellia micans*; *Ocyrtamus costatus*; *Odontomyia cincta*; *Orthonevra nitida*; *Paragus haemorrhous*; *Physocephala furcillata*; *Poecilanthrax tegminipennis*; *Stratiomys norma*; *Stylogaster neglecta*; *Syrphid pipiens*; *Syrphus rectus*; *Systoechus vulgaris*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Urophora quadrifasciata*

NY WASPS: (29) *Anacrabro ocellatus*; *Ancistrocerus adiabatus*; *Ancistrocerus campestris*; *Ancistrocerus gazella*; *Anoplius illinoensis*; *Bicyrtes quadrifasciatus*; *Cerceris deserta*; *Cerceris fumipennis*; *Diplazon laetatorius*; *Eumenes fraternus*; *Euodynerus foraminatus*; *Euodynerus hidalgo*; *Isodontia mexicana*; *Lasius emarginatus*; *Leucospis affinis*; *Monobia quadridens*; *Nylanderia flavipes*; *Parancistrocerus perennis*; *Phylanthus bilunatus*; *Phylanthus gibbosus*; *Phylanthus politus*; *Polistes dominula*; *Polistes fuscatus*; *Sapyga louisii*; *Scolia dubia*; *Scolia nobilitata*; *Spheg ichneumoneus*; *Vespa maculifrons*; *Zethus spinipes*

NY BEETLES: (25) *Ampedus nigricollis*; *Anthrenus coloratus*; *Anthrenus isabellinus*; *Anthrenus museorum*; *Anthrenus verbasci*; *Calligrapha ignota*; *Carpophilus melanopterus*; *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Collops quadrimaculatus*; *Diabrotica undecimpunctata*; *Geraeus picumnus*; *Harmonia axyridis*; *Judolia cordifera*; *Malachius aeneus*; *Megacerus discoidus*; *Mordellistena cervicalis*; *Oberea perspicillata*; *Odontocorynus salebrosus*; *Onthophagus pennsylvanicus*; *Popillia japonica*; *Propylea quatuordecimpunctata*; *Rhipiphorus fasciatus*; *Trichodes nuttalli*; *Typocerus velutinus*

Wild Strawberry *Fragaria virginiana*

Q2.Q3 · Apr-Jun

NA **171** NY **117** (42 georef. +75 range) bees 41.0 · butterflies 27.0 · moths 3.0 · flies 22.0 · wasps 6.0 · beetles 10.0
 ▲ **AT-RISK BEES:** *Andrena melanochroa* S2?

NY BEES: (41) *Agapostemon sericeus*; *Andrena carlini*; *Andrena crataegi*; *Andrena melanochroa*; *Andrena milwaukeeensis*; *Andrena nasonii*; *Andrena nivalis*; *Andrena w-scripta*; *Apis mellifera*; *Augochlorella aurata*; *Bombus bifarius*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus ternarius*; *Bombus vagans*; *Ceratina calcarata*; *Chelostoma philadelphii*; *Colletes productus*; *Halictus confusus*; *Halictus rubicundus*; *Hylaeus floridanus*; *Hylaeus mesillae*; *Lasioglossum cephalotes*; *Lasioglossum cinctipes*; *Lasioglossum forbesii*; *Lasioglossum illinoense*; *Lasioglossum vierecki*; *Lasioglossum zonulum*; *Nomada cressonii*; *Nomada gracilis*; *Nomada maculata*; *Osmia coloradensis*; *Osmia cornifrons*; *Osmia lignaria*; *Osmia pumila*; *Osmia tersula*; *Pseudopanurgus labrosiformis*; *Stelis foederalis*; *Stelis permaculata*; *Triepeolus simplex*

NY BUTTERFLIES & MOTHS: (30) *Alypia octomaculata*; *Anania funebris*; *Anthocharis midea*; *Boloria myrina*; *Callophrys lanoraieensis*; *Callophrys polios*; *Carterocephalus mandan*; *Cecropterus pylades*; *Celastrina lucia*; *Chlosyne harrisii*; *Coenonympha californica*; *Cupido amyntula*; *Cupido comyntas*; *Erynnis icelus*; *Erynnis juvenalis*; *Erynnis lucilius*; *Eurimyia stipatus*; *Glaucopsyche lygdamus*; *Incisalia eryphon*; *Incisalia nippon*; *Lon hobomok*; *Lycaena hypophlaeas*; *Nymphalis antiopa*; *Phyciodes tharos*; *Pieris marginalis*; *Pieris oleracea*; *Pieris rapae*; *Pieris virginianensis*; *Pyrausta rubricalis*; *Vanessa virginiensis*

NY FLIES: (22) *Anasimyia bilinearis*; *Blera nigra*; *Bombylius major*; *Bombylius pygmaeus*; *Cheilosia rita*; *Epalpus signifer*; *Epistrophe emarginata*; *Eristalis anthophorina*; *Eristalis dimidiata*; *Eupeodes latifasciatus*; *Eupeodes volucris*; *Helophilus fasciatus*; *Morellia micans*; *Myiolepta varipes*; *Orthonevra pulchella*; *Parhelophilus divinus*; *Parhelophilus obsoletus*; *Pipiza quadrimaculata*; *Pyrophaena rosarum*; *Syrphid pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (6) *Cerceris clypeata*; *Formica fusca*; *Nysson plagiatus*; *Polistes dominula*; *Sapyga martini*; *Tapinoma sessile*

NY BEETLES: (10) *Acmaeodera tubulus*; *Anthrenus museorum*; *Anthrenus verbasci*; *Coleomegilla maculata*; *Cryptorhopalum triste*; *Ischnomera ruficollis*; *Plateumaris rufa*; *Podabrus brunnicollis*; *Trichiotinus affinis*; *Typocerus lugubris*

Golden Alexanders *Zizia aurea*

Q3.Q4 · Apr-Jun

NA **167** NY **155** (79 georef. +76 range) bees 49.0 · butterflies 18.0 · moths 9.0 · flies 28.0 · wasps 29.0 · beetles 14.0
 ▲ **AT-RISK BEES:** *Bombus pennsylvanicus* S2, *Andrena miranda* S2S3, *Andrena erythrogaster* S2?, *Andrena integra* S2S3

SPECIALIST *Andrena ziziae* **LARVAL HOST:** Black Swallowtail

NY BEES: (49) *Agapostemon sericeus*; *Agapostemon virescens*; *Andrena alleghaniensis*; *Andrena carlini*; *Andrena clarkella*; *Andrena crataegi*; *Andrena cressonii*; *Andrena hippotes*; *Andrena integra*; *Andrena milwaukeeensis*; *Andrena nasonii*; *Andrena nivalis*; *Andrena rugosa*; *Andrena vicina*; *Andrena wilkella*; *Andrena ziziae*; *Apis mellifera*; *Augochlora pura*; *Augochlorella aurata*; *Augochloropsis viridula*; *Bombus auricomus*; *Bombus flavidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pennsylvanicus*; *Bombus rufocinctus*; *Bombus ternarius*; *Ceratina calcarata*; *Coelioxys rufitarsis*; *Colletes inaequalis*; *Colletes thoracicus*; *Halictus confusus*; *Halictus ligatus*; *Hylaeus affinis*; *Hylaeus annulatus*; *Hylaeus leptocephalus*; *Hylaeus mesillae*; *Hylaeus modestus*; *Hylaeus verticalis*; *Lasioglossum albipenne*; *Lasioglossum cressonii*; *Lasioglossum imitatum*; *Lasioglossum oceanicum*; *Lasioglossum pectorale*; *Lasioglossum vierecki*; *Megachile montivaga*; *Sphecodes aroniae*; *Stelis lateralis*; *Xylcopa virginica*

NY BUTTERFLIES & MOTHS: (27) *Alypia octomaculata*; *Amphion floridensis*; *Anania funebris*; *Atrytonopsis hianna*; *Boloria myrina*; *Calycopis cecrops*; *Coenonympha californica*; *Cupido comyntas*; *Cyaniris neglecta*; *Erynnis icelus*; *Euptychia cymela*; *Glaucopsyche lygdamus*; *Heliomata cycladata*; *Hemaris thysbe*; *Limnitis arthemis*; *Lomographa vestaliata*; *Lon hobomok*; *Lon zabulon*; *Lycaena hypophlaeas*; *Mitoura gryneus*; *Papilio canadensis*; *Papilio polyxenes*; *Pontia arthemis* orphisalis; *Strymon melinus*; *Thyris maculata*; *Trichodezia albivittata*

NY FLIES: (28) *Allograpta obliqua*; *Anasimyia anausis*; *Anasimyia bilinearis*; *Bombylius major*; *Ceriana abbreviata*; *Chalcosyrphus chalybeus*; *Chalcosyrphus piger*; *Chasmatonotus atripes*; *Chloromyia formosa*; *Cholomyia inaequipes*; *Eristalis dimidiata*; *Eristalis stipator*; *Eristalis tenax*; *Eupeodes americanus*; *Helophilus fasciatus*; *Helophilus latifrons*; *Lucilia silvarum*; *Melangyna fisherii*; *Merodon equestris*; *Morellia micans*; *Paragus haemorrhous*; *Rhingia nasica*; *Syrphid pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Tropidia quadrata*

NY WASPS: (29) *Ancistrocerus adiabatus*; *Ancistrocerus campestris*; *Ancistrocerus caskill*; *Ancistrocerus gazella*; *Ancistrocerus unifasciatus*; *Anoplius illinoensis*; *Camponotus subbarbatus*; *Chrysis fuscipennis*; *Chrysis iris*; *Diplazon laetatorius*; *Dolichovespula maculata*; *Ectemnius continuus*; *Ectemnius maculosus*; *Eumenes fraternus*; *Euodynerus foraminatus*; *Euodynerus hidalgo*; *Ichneumon ambulatorius*; *Lasius emarginatus*; *Lestica confluenta*; *Monomorium carbonarium*; *Polistes dominula*; *Polistes fuscatus*; *Prionyx atratus*; *Sapyga centrata*; *Scolia nobilitata*; *Symmorphus cristatus*; *Tapinoma sessile*; *Vespa maculifrons*; *Vespa squamosa*

NY BEETLES: (14) *Anthrenus isabellinus*; *Anthrenus scrophulariae*; *Anthrenus verbasci*; *Brachysomida bivittata*; *Cantharis livida*; *Ceratomegilla notata*; *Coleomegilla maculata*; *Cycloneda munda*; *Gibbobruchus mimus*; *Harmonia axyridis*; *Malachius aeneus*; *Propylea quatuordecimpunctata*; *Rhagonycha fulva*; *Valgus hemipterus*



Anise Hyssop *Agastache foeniculum*

Q1,Q2 · Jun-Sep

NA **163** NY **156** (87 georef. +69 range) bees 38.0 · butterflies 40.0 · moths 31.0 · flies 13.0 · wasps 16.0 · beetles 7.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Bombus borealis* S3

NY BEES: (38) *Agapostemon splendens*; *Agapostemon virescens*; *Anthidiellum notatum*; *Anthidium manicatum*; *Anthidium oblongatum*; *Anthophora terminalis*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus flavidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus insularis*; *Bombus nevadensis*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus sylvicola*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Halictus ligatus*; *Halictus parallelus*; *Hylaeus modestus*; *Lasioglossum albipenne*; *Lasioglossum anomalum*; *Megachile sculpturalis*; *Melissodes bimaculatus*; *Melissodes trinodis*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (71) *Aglais milberti*; *Agrotis ipsilon*; *Amblyptilia pica*; *Anicla infecta*; *Argynnis cybele*; *Atalopedes huron*; *Atteva aurea*; *Autographa californica*; *Boloria myrina*; *Burnsius communis*; *Caenurgina erechthea*; *Calycopis cecrops*; *Cercyonis pegala*; *Cisseps fulvicollis*; *Coenonympha californica*; *Colias eurytheme*; *Colias interior*; *Colias philodice*; *Cupido comyntas*; *Cyaniris neglecta*; *Danaus plexippus*; *Eichlinia cucurbitae*; *Emmelina monodactyla*; *Epargyreus clarus*; *Epirrhoe alternata*; *Erynnis horatius*; *Estigmene acrea*; *Euphyes vestris*; *Euplexia benesimilis*; *Eusarca confusaria*; *Evergestis pallidata*; *Feltia geniculata*; *Feltia herilis*; *Feltia jaculifera*; *Helicoverpa zea*; *Hemaris diffinis*; *Hemaris thysbe*; *Hylephila phyleus*; *Hymenia perspectalis*; *Junonia coenia*; *Limenitis arthemis*; *Limenitis astyanax*; *Lon zabulon*; *Mitoura gryneus*; *Mythimna unipuncta*; *Papilio cresphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio troilus*; *Phalaenophana pyramusalis*; *Pholisora catullus*; *Pieris rapae*; *Poanes aaroni*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Prochoerodes lineola*; *Protographium marcellus*; *Pyrausta orphisalis*; *Rheumaptera meadii*; *Rheumaptera undulata*; *Saucrobotys futilalis*; *Schinia arcigera*; *Sitochroa palealis*; *Strymon melinus*; *Synanthedon scitula*; *Thymelicus lineola*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginensis*; *Wallengrenia egeremet*

NY FLIES: (13) *Allagrapta aerea*; *Allograpta obliqua*; *Cochliomyia macellaria*; *Eristalis tenax*; *Eristalis transversa*; *Milesia virginensis*; *Ocyrtamus costatus*; *Physocephala furcillata*; *Physocephala tibialis*; *Rhingia nasica*; *Stylogaster neglecta*; *Syrirta pipiens*; *Toxomerus geminatus*

NY WASPS: (16) *Anacrabro ocellatus*; *Ancistrocerus adiabatus*; *Dielis plumipes*; *Dolichovespula arctica*; *Dolichovespula arenaria*; *Dolichovespula maculata*; *Eumenes fraternus*; *Euodynerus foraminatus*; *Lasius neoniger*; *Macrosiagon limbata*; *Monobia quadridens*; *Pelecinus polyturator*; *Polistes dominula*; *Polistes fuscatus*; *Sphex pensylvanicus*; *Vespa crabro*

NY BEETLES: (7) *Chauliognathus pensylvanicus*; *Cotinis nitida*; *Diabrotica undecimpunctata*; *Judolia cordifera*; *Malachius aeneus*; *Popillia japonica*; *Typocerus velutinus*

New Jersey Tea *Ceanothus americanus*

Q3 · May-Sep

NA **157** NY **139** (75 georef. +64 range) bees 25.0 · butterflies 17.0 · moths 12.0 · flies 15.0 · wasps 31.0 · beetles 30.0

▲ **AT-RISK BEES:** *Bombus terricola* S3

LARVAL HOST: Mottled Duskywing (at-risk); Spring Azure

NY BEES: (25) *Agapostemon texanus*; *Andrena andreoides*; *Andrena crataegi*; *Andrena wilkella*; *Augochlora pura*; *Augochloropsis viridula*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Calliopsis andreniformis*; *Coelioxys sayi*; *Halictus confusus*; *Halictus ligatus*; *Hylaeus modestus*; *Lasioglossum acuminatum*; *Lasioglossum cressonii*; *Lasioglossum vierecki*; *Megachile xylocopoides*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (29) *Alypia octomaculata*; *Anageshna primordialis*; *Apogeshna stenialis*; *Argynnis aphrodite*; *Cecropteris lyciades*; *Choreutis pariana*; *Ctenucha virginica*; *Cyaniris neglecta*; *Dejongia lobidactylus*; *Epargyreus clarus*; *Erynnis martialis*; *Geina tenuidactyla*; *Harrisina americana*; *Lon hobomok*; *Lophocampa caryae*; *Lycaena hypophlaeas*; *Mitoura gryneus*; *Plebejus samuelis*; *Rheumaptera hastata*; *Satyrium acadica*; *Satyrium calanus*; *Satyrium edwardsii*; *Satyrium favonius*; *Satyrium liparops*; *Satyrium titus*; *Scythris basilaris*; *Strymon melinus*; *Synanthedon exitiosa*; *Wallengrenia egeremet*

NY FLIES: (15) *Cynomyia cadaverina*; *Eristalis tenax*; *Eupeodes americanus*; *Helophilus latifrons*; *Merodon equestris*; *Milesia virginensis*; *Odontomyia cincta*; *Odontomyia virgo*; *Physocephala tibialis*; *Physoconops obscuripennis*; *Syrirta pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Trichopoda pennipes*; *Volucella evecta*

NY WASPS: (31) *Anacrabro ocellatus*; *Ancistrocerus unifasciatus*; *Bicyrtes ventralis*; *Camponotus nearcticus*; *Cerceris atramontensis*; *Cerceris fumipennis*; *Cerceris insolita*; *Dielis plumipes*; *Entypus unifasciatus*; *Eumenes crucifera*; *Euodynerus foraminatus*; *Isodontia auripes*; *Isodontia mexicana*; *Leucospis affinis*; *Macrosiagon cruentus*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Philanthus bilunatus*; *Philanthus gibbosus*; *Philanthus politus*; *Philanthus sanbornii*; *Poecilopompilus algidus*; *Poecilopompilus interruptus*; *Polistes dominula*; *Polistes fuscatus*; *Prionyx atratus*; *Pseudodynerus quadrisectus*; *Saygorytes phaleratus*; *Scolia nobilitata*; *Sphex ichneumoneus*; *Zethus spinipes*

NY BEETLES: (30) *Anoplodera pubera*; *Anthrenus isabellinus*; *Anthrenus museorum*; *Babia quadriguttata*; *Brachyleptura rubrica*; *Brachyleptura vagans*; *Clytus ruficola*; *Etorofus submatus*; *Euderces picipes*; *Euphoria fulgida*; *Euphoria sepulchralis*; *Geraeus picumnus*; *Hoshihananomia octopunctata*; *Judolia cordifera*; *Lygistoropterus perforatus*; *Mordella marginata*; *Nacderes melanura*; *Onthophagus pennsylvanicus*; *Stictoleptura canadensis*; *Strangalepta abbreviata*; *Strangalia famelica*; *Strangalia luteicornis*; *Strophiona nitens*; *Trichiotinus affinis*; *Trichiotinus piger*; *Trichodes apivorus*; *Trichodes nuttalli*; *Typocerus lugubris*; *Typocerus velutinus*; *Valgus canaliculatus*

Blue Vervain *Verbena hastata*

Q2,Q3,Q4 · Jul-Sep

NA **147** NY **131** (74 georef. +57 range) bees 59.0 · butterflies 31.0 · moths 11.0 · flies 14.0 · wasps 7.0 · beetles 4.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Bombus borealis* S3

SPECIALIST *Andrena hirticincta*

NY BEES: (59) *Agapostemon splendens*; *Agapostemon virescens*; *Andrena carlini*; *Andrena hirticincta*; *Andrena pruni*; *Andrena spiraeana*; *Anthidiellum notatum*; *Anthidium manicatum*; *Anthidium oblongatum*; *Apis mellifera*; *Augochlora pura*; *Augochlorella aurata*; *Augochloropsis viridula*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus flavidus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Calliopsis andreniformis*; *Ceratina calcarata*; *Ceratina mikmaqi*; *Ceratina strenua*; *Coelioxys coturnix*; *Coelioxys modesta*; *Coelioxys octodentata*; *Coelioxys rufitarsis*; *Coelioxys sayi*; *Epeolus bifasciatus*; *Halictus confusus*; *Halictus ligatus*; *Halictus rubicundus*; *Hylaeus sparsus*; *Megachile campanulae*; *Megachile inermis*; *Megachile mendica*; *Megachile montivaga*; *Megachile rotundata*; *Megachile sculpturalis*; *Melissodes denticulatus*; *Melissodes desponsus*; *Melissodes druriellus*; *Melissodes trinodis*; *Nomada parva*; *Nomada tiftonensis*; *Osmia conjuncta*; *Stelis louisae*; *Triepeolus helianthi*; *Triepeolus lunatus*; *Triepeolus remigatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (42) *Achyra rantalis*; *Ancyloxypha numitor*; *Argynnis atlantis*; *Argynnis cybele*; *Atalopedes huron*; *Atteva aurea*; *Boloria myrina*; *Catabena lineolata*; *Chlosyne nycteis*; *Cisseps fulvicollis*; *Clossiana toddi*; *Colias eurytheme*; *Crambodes talidiformis*; *Cupido comyntas*; *Cyaniris neglecta*; *Danaus plexippus*; *Eichlinia cucurbitae*; *Epargyreus clarus*; *Euphyes dion*; *Euphyes vestris*; *Evergestis pallidata*; *Hemaris diffinis*; *Hemaris thysbe*; *Junonia coenia*; *Leptotes cassius*; *Limenitis archippus*; *Lon zabulon*; *Lycaena hypophlaeas*; *Papilio polyxenes*; *Papilio troilus*; *Parapoinx badiusalis*; *Pholisora catullus*; *Phyciodes tharos*; *Pieris rapae*; *Poanes massasoit*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Pontia protodice*; *Schinia arcigera*; *Strymon melinus*; *Vanessa virginensis*

NY FLIES: (14) *Bibio albipennis*; *Brachypalpus oarus*; *Eristalis tenax*; *Musca domestica*; *Myolepta nigra*; *Physocephala furcillata*; *Physocephala tibialis*; *Pseudodoros clavatus*; *Rhingia nasica*; *Stylogaster neglecta*; *Syrirta pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Trichopoda pennipes*

NY WASPS: (7) *Ammophila nigricans*; *Anoplius illinoensis*; *Bicyrtes quadrifasciatus*; *Chrysis iris*; *Dasyutilla occidentalis*; *Eremnophila aureonotata*; *Scolia nobilitata*

NYC MICRO-PAIRIE HABITAT MATRIX



Virginia Mountain Mint *Pycnanthemum virginianum*

Q2 • Jul–Sep

NA **147** NY **139** (60 georef. +79 range) bees 47.0 • butterflies 30.0 • moths 8.0 • flies 10.0 • wasps 36.0 • beetles 6.0
 ▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus citrinus* S2S3, *Bombus terricola* S3

SPECIALIST *Melissodes desponsus*

NY BEES: (47) *Agapostemon splendens*; *Andrena carlini*; *Andrena helianthi*; *Andrena pruni*; *Apis mellifera*; *Augochloropsis viridula*; *Bombus affinis*; *Bombus auricomus*; *Bombus bifarius*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus flavidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus insularis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Ceratina calcarata*; *Ceratina strenua*; *Coelioxys modesta*; *Colletes productus*; *Colletes willistoni*; *Epeolus bifasciatus*; *Halictus confusus*; *Halictus ligatus*; *Halictus parallelus*; *Halictus rubicundus*; *Hylaeus hyalinatus*; *Lasioglossum albipenne*; *Lasioglossum cinctipes*; *Megachile gemula*; *Megachile latimanus*; *Megachile rotundata*; *Megachile sculpturalis*; *Melissodes bimaculatus*; *Melissodes desponsus*; *Osmia conjuncta*; *Pseudopanurgus labrosus*; *Ptilothrix bombiformis*; *Stelis louisae*; *Triepeolus donatus*; *Triepeolus simplex*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (38) *Alypia octomaculata*; *Argynnis cybele*; *Asterocampa clyton*; *Atalopedes huron*; *Atteva aurea*; *Calycopis cecrops*; *Cecropteris lyciades*; *Cisseps fulvicollis*; *Colias philodice*; *Ctenucha virginica*; *Cupido comyntas*; *Cyaniris neglecta*; *Danaus plexippus*; *Epargyreus clarus*; *Erynnis brizo*; *Erynnis horatius*; *Eumaeus atala*; *Geina tenuidactyla*; *Hylephila phyleus*; *Junonia coenia*; *Libytheana carinenta*; *Limenitis archippus*; *Limenitis arthemis*; *Mitoura gryneus*; *Papilio glaucus*; *Papilio troilus*; *Phyciodes tharos*; *Pieris rapae*; *Plebejus samuelis*; *Pleuroprucha insularia*; *Polites peckius*; *Polites themistocles*; *Pyrausta acronalis*; *Pyrausta orphisalis*; *Satyrus calanus*; *Satyrus liparops*; *Strymon melinus*; *Vanessa atalanta*

NY FLIES: (10) *Chalcosyrphus nemorum*; *Cynomya cadaverina*; *Eristalis arbustorum*; *Eupeodes americanus*; *Physocephala tibialis*; *Rhagoletis suavis*; *Stonemyia rasa*; *Syrirta pipiens*; *Trichopoda lanipes*; *Trichopoda pennipes*

NY WASPS: (36) *Ammophila nigricans*; *Ancistrocerus campestris*; *Anoplius illinoensis*; *Bicyrtes quadrifasciatus*; *Cerceris fumipennis*; *Dielis plumipes*; *Dolichovespula arenaria*; *Eremnophila aureonotata*; *Eumenes fraternus*; *Eumenes verticalis*; *Euodynerus foraminatus*; *Euodynerus hidalgo*; *Isodontia auripes*; *Isodontia elegans*; *Isodontia mexicana*; *Isodontia philadelphia*; *Leucospis affinis*; *Macrosiagon flavipennis*; *Macrosiagon limbata*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Philanthus bilunatus*; *Philanthus gibbosus*; *Philanthus sanbornii*; *Polistes dominula*; *Polistes fuscatus*; *Pseudodynerus quadrisectus*; *Scolia bicincta*; *Scolia dubia*; *Sphex speciosus*; *Sphex ichneumoneus*; *Sphex nudus*; *Sphex pensylvanicus*; *Stictia carolina*; *Tiphia maculata*; *Zethus spinipes*

NY BEETLES: (6) *Calopteron reticulatum*; *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Diabrotica cristata*; *Strangalia luteicornis*; *Typocerus velutinus*

Lanceleaf Coreopsis *Coreopsis lanceolata*

Q1 • May–Jul

NA **140** NY **128** (63 georef. +65 range) bees 43.0 • butterflies 29.0 • moths 9.0 • flies 22.0 • wasps 7.0 • beetles 13.0
 ▲ **AT-RISK BEES:** *Bombus citrinus* S2S3, *Andrena helianthi* S1S2

NY BEES: (43) *Agapostemon sericeus*; *Agapostemon virescens*; *Andrena alleghaniensis*; *Andrena helianthi*; *Anthidiellum notatum*; *Anthidium manicatum*; *Anthidium oblongatum*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus flavidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus vagans*; *Bombus vosnesenskii*; *Calliopsis andreniformis*; *Ceratina calcarata*; *Ceratina strenua*; *Epeolus bifasciatus*; *Halictus confusus*; *Halictus ligatus*; *Halictus rubicundus*; *Holcopasites calliopsidis*; *Lasioglossum pectorale*; *Megachile centuncularis*; *Megachile inermis*; *Megachile pugnata*; *Megachile rotundata*; *Megachile xylocopoides*; *Melissodes bimaculatus*; *Melissodes subillatus*; *Nomada vegana*; *Osmia georgica*; *Paranthidium jugatorium*; *Pseudoanthidium nanum*; *Ptilothrix bombiformis*; *Stelis louisae*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (38) *Aglais milberti*; *Alypia octomaculata*; *Anageshna primordialis*; *Argynnis cybele*; *Atalopedes huron*; *Atteva aurea*; *Autographa precatonensis*; *Chlosyne nycteis*; *Cisseps fulvicollis*; *Coenonympha californica*; *Colias eurytheme*; *Colias philodice*; *Ctenucha virginica*; *Danaus plexippus*; *Erynnis funeralis*; *Hemaris diffinis*; *Hylephila phyleus*; *Incisalia nippon*; *Junonia coenia*; *Lerema accius*; *Limenitis arthemis*; *Lon hobomok*; *Lycaena hypophlaeas*; *Lycomorpha pholus*; *Papilio canadensis*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Phyciodes tharos*; *Pieris rapae*; *Polites peckius*; *Satyrus calanus*; *Strymon melinus*; *Tharsalea hyllus*; *Trichodezia albovittata*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*

NY FLIES: (22) *Allograpta obliqua*; *Bombylius mexicanus*; *Chrysopilus quadratus*; *Cladura flavoferruginea*; *Copestylum vittatum*; *Eristalinus aeneus*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis flavipes*; *Eristalis stipator*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Eupeodes perplexus*; *Exomala orientalis*; *Helophilus fasciatus*; *Merodon equestris*; *Orthonevra nitida*; *Physocephala tibialis*; *Syrirta pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (7) *Ancistrocerus campestris*; *Ancistrocerus gazella*; *Eremnophila aureonotata*; *Monobia quadridens*; *Philanthus ventilabris*; *Polistes dominula*; *Vespula vidua*

NY BEETLES: (13) *Acmaeodera pulchella*; *Acropteroxys gracilis*; *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*; *Euphoria sepulcralis*; *Malachius aeneus*; *Mordellistena cervicalis*; *Nemognatha nemorensis*; *Odontocorynus salebrosus*; *Odontocorynus umbellae*; *Propylea quatuordecimpunctata*; *Trichiotinus piger*

Common Sneezeweed *Helenium autumnale*

Q3 • Aug–Oct

NA **137** NY **112** (37 georef. +75 range) bees 41.0 • butterflies 17.0 • moths 12.0 • flies 15.0 • wasps 14.0 • beetles 5.0
 ▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus citrinus* S2S3

SPECIALIST *Colletes compactus*

NY BEES: (41) *Agapostemon virescens*; *Andrena andreoides*; *Andrena miserabilis*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus citrinus*; *Bombus flavidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus vagans*; *Bombus vosnesenskii*; *Ceratina calcarata*; *Ceratina strenua*; *Colletes nudus*; *Florilegus condignus*; *Halictus confusus*; *Halictus ligatus*; *Lasioglossum forbesii*; *Lasioglossum imitatum*; *Megachile brevis*; *Megachile latimanus*; *Megachile petulans*; *Megachile rotundata*; *Megachile sculpturalis*; *Megachile xylocopoides*; *Melissodes bimaculatus*; *Melissodes druriellus*; *Melissodes illatus*; *Melissodes vernoniae*; *Nomada integerrima*; *Nomada oblitterata*; *Paranthidium jugatorium*; *Stelis louisae*; *Svastra obliqua*; *Triepeolus cressonii*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (29) *Atalopedes huron*; *Atteva aurea*; *Chlosyne nycteis*; *Cisseps fulvicollis*; *Colias eurytheme*; *Cupido comyntas*; *Danaus plexippus*; *Epargyreus clarus*; *Feltia subgothica*; *Heliothis phloxiphaga*; *Hylephila phyleus*; *Idaea dimidiata*; *Libytheana carinenta*; *Lon zabulon*; *Lycaena hypophlaeas*; *Nathalis iole*; *Papilio polyxenes*; *Phyciodes tharos*; *Pyrausta inornatalis*; *Schinia arcigera*; *Spoladea recurvalis*; *Strymon melinus*; *Synchlora aerata*; *Tharsalea dorcas*; *Thyris maculata*; *Tricholita signata*; *Udea rubigalis*; *Vanessa cardui*; *Vanessa virginiensis*

NY FLIES: (15) *Bibio albipennis*; *Bombylius atriceps*; *Chalcosyrphus metallicus*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis transversa*; *Lucilia sericata*; *Paravilla separata*; *Peleteria anaxias*; *Sparnopolius confusus*; *Syrirta pipiens*; *Syrphus rectus*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Volucella bombylans*

NY WASPS: (14) *Anoplius illinoensis*; *Anoplius virginiensis*; *Bembix americana*; *Entypus unifasciatus*; *Eremnophila aureonotata*; *Exetastes suaveolens*; *Gorytes simillimus*; *Ichneumon ambulatorius*; *Isodontia mexicana*; *Nysson plagiatus*; *Prionyx atratus*; *Pseudomethoca similima*; *Scolia dubia*; *Vespula maculifrons*

NY BEETLES: (5) *Anoplogdera pubera*; *Diabrotica cristata*; *Microrhopala vittata*; *Onthophagus pensylvanicus*; *Typocerus lugubris*



Wild Geranium *Geranium maculatum*

Q3 · Apr–Jun

NA **118** NY **101** (46 georef. +55 range) bees 41.0 · butterflies 15.0 · moths 4.0 · flies 10.0 · wasps 7.0 · beetles 15.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Osmia simillima* S1S2

SPECIALIST *Andrena distans*, *Melissodes desponsus*

NY BEES: (41) *Agapostemon splendens*; *Agapostemon virescens*; *Andrena andreoides*; *Andrena distans*; *Andrena dunningi*; *Andrena spiraeana*; *Anthophora terminalis*; *Apis mellifera*; *Augochlora pura*; *Augochlorella aurata*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus sandersoni*; *Bombus ternarius*; *Bombus vagans*; *Bombus variabilis*; *Ceratina calcarata*; *Ceratina strenua*; *Chelostoma philadelphia*; *Colletes inaequalis*; *Colletes productus*; *Halictus ligatus*; *Halictus rubicundus*; *Lasioglossum coeruleum*; *Lasioglossum forbesii*; *Lasioglossum fuscipenne*; *Lasioglossum nigroviride*; *Lasioglossum pectorale*; *Megachile mendica*; *Nomada cuneata*; *Nomada luteoloides*; *Osmia cornifrons*; *Osmia lignaria*; *Sphecodes minor*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (19) *Anania funebris*; *Battus philenor*; *Epargyreus clarus*; *Erynnis icelus*; *Erynnis juvenalis*; *Glaucopsyche lygdamus*; *Hemaris diffinis*; *Hemaris thysbe*; *Limochares mystic*; *Lon hobomok*; *Lon zabulon*; *Papilio canadensis*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio troilus*; *Phyciodes tharos*; *Pieris virginiensis*; *Polites peckius*; *Tetraxis cachexiata*

NY FLIES: (10) *Bombylius pulchellus*; *Eristalis dimidiata*; *Eristalis stipator*; *Eupeodes americanus*; *Merodon equestris*; *Myopa clausa*; *Rhingia nasica*; *Syrirta pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (7) *Ancistrocerus adiabatus*; *Anoplius illinoensis*; *Cerceris clypeata*; *Entypus unifasciatus*; *Nysson plagiat*; *Parancistrocerus leionotus*; *Prenolepis imparis*

NY BEETLES: (15) *Acmaeodera tubulus*; *Anoploclera pubera*; *Anthrenus isabellinus*; *Anthrenus museorum*; *Atalantycha bilineata*; *Babia quadriguttata*; *Byturus unicolor*; *Coleomegilla maculata*; *Cycloneda munda*; *Harmonia axyridis*; *Lebia viridis*; *Mononychus vulpeculus*; *Pidonia ruficollis*; *Propylea quatuordecimpunctata*; *Valgus hemipterus*

Culver's Root *Veronicastrum virginicum*

Q4 · Jul–Aug

NA **116** NY **102** (44 georef. +58 range) bees 35.0 · butterflies 20.0 · moths 12.0 · flies 10.0 · wasps 14.0 · beetles 6.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Bombus borealis* S3

NY BEES: (35) *Andrena carlini*; *Andrena virginiana*; *Anthidium manicatum*; *Anthophora terminalis*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus flavidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Coelioxys modesta*; *Epeolus bifasciatus*; *Halictus rubicundus*; *Hylaeus hyalinatus*; *Megachile centuncularis*; *Megachile frugalis*; *Megachile sculpturalis*; *Megachile xylocopoides*; *Melissodes bimaculatus*; *Stelis louisae*; *Triepeolus remigatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (32) *Alypia octomaculata*; *Anania hortulata*; *Argynnis cybele*; *Atteva aurea*; *Calophasia lunula*; *Calycopis cecrops*; *Cercyonis pegala*; *Cisseps fulvicollis*; *Cyaniris neglecta*; *Diachrysa balluca*; *Epargyreus clarus*; *Erynnis baptisiae*; *Erynnis horatius*; *Erynnis juvenalis*; *Feltia herilis*; *Junonia coenia*; *Limenitis archippus*; *Limenitis arthemis*; *Lon zabulon*; *Lycomorpha pholus*; *Papilio glaucus*; *Pholisora catullus*; *Pontia protodice*; *Pseudohemionassa bicarnea*; *Pyrausta orphisalis*; *Satyrion acadica*; *Satyrion liparops*; *Sitochroa palealis*; *Strymon melinus*; *Thyris maculata*; *Vanessa atalanta*; *Vanessa virginiensis*

NY FLIES: (10) *Allograpta obliqua*; *Eristalis flavipes*; *Eristalis tenax*; *Graphomya americana*; *Lucilia sericata*; *Mallota bautias*; *Physocephala furcillata*; *Physocephala tibialis*; *Toxomerus geminatus*; *Toxomerus politus*

NY WASPS: (14) *Ammophila nigricans*; *Anoplius illinoensis*; *Aporus niger*; *Bicyrtes quadrfasciatus*; *Dielis plumipes*; *Dolichovespula maculata*; *Eumenes fraternus*; *Monobia quadridens*; *Philanthus gibbosus*; *Polistes fuscatus*; *Scolia dubia*; *Scolia nobilitata*; *Sphech ichneumoneus*; *Sphech pensylvanicus*

NY BEETLES: (6) *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Mordella marginata*; *Onthophagus pensylvanicus*; *Typocerus lugubris*; *Typocerus velutinus*

Dense Blazing Star *Liatris spicata*

Q4 · Jul–Aug

NA **113** NY **103** (60 georef. +43 range) bees 36.0 · butterflies 43.0 · moths 7.0 · flies 6.0 · wasps 4.0 · beetles 2.0
▲ **AT-RISK BEES:** *Bombus borealis* S3, *Bombus citrinus* S2S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2, *Bombus terricola* S3

NY BEES: (36) *Agapostemon splendens*; *Agapostemon virescens*; *Anthidiellum notatum*; *Anthidium manicatum*; *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus flavidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus nevadensis*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus sandersoni*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Bombus vosnesenskii*; *Ceratina mikmaqi*; *Coelioxys octodentata*; *Halictus ligatus*; *Halictus rubicundus*; *Megachile latimanus*; *Megachile montivaga*; *Megachile pugnata*; *Megachile sculpturalis*; *Megachile texana*; *Melissodes bimaculatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (50) *Aglais milberti*; *Argynnis cybele*; *Atalopedes huron*; *Autographa precatonensis*; *Battus philenor*; *Burnsius communis*; *Cecropterus bathyllus*; *Cecropterus lyciades*; *Cercyonis pegala*; *Collias philodice*; *Ctenucha virginica*; *Cupido comyntas*; *Danaus plexippus*; *Dione vanillae*; *Epargyreus clarus*; *Erynnis baptisiae*; *Erynnis horatius*; *Erynnis zarucco*; *Euphyes vestris*; *Euptoieta claudia*; *Hemaris diffinis*; *Hemaris thysbe*; *Hylephila phyleus*; *Junonia coenia*; *Limenitis archippus*; *Lon zabulon*; *Panoquina ocola*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio palamedes*; *Papilio polyxenes*; *Papilio solstitialis*; *Papilio troilus*; *Phoebis sennae*; *Pieris rapae*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Problema byssus*; *Protographium marcellus*; *Pyrausta bicoloralis*; *Schinia trifascia*; *Strymon melinus*; *Syntomeida epilais*; *Urbanus proteus*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*; *Wallengrenia egeremet*; *Wallengrenia otho*

NY FLIES: (6) *Eristalis arbustorum*; *Eristalis flavipes*; *Eristalis tenax*; *Physocephala tibialis*; *Stylogaster neglecta*; *Toxomerus geminatus*

NY WASPS: (4) *Dielis plumipes*; *Eumenes fraternus*; *Euodynerus hidalgo*; *Polistes dominula*

NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*

Spring Beauty *Claytonia virginica*

Q2 · Mar–May

NA **106** NY **87** (28 georef. +59 range) bees 47.0 · butterflies 10.0 · moths 0.0 · flies 12.0 · wasps 9.0 · beetles 7.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Andrena erythrogaster* S2?, *Andrena arabis* S2S3

SPECIALIST *Andrena erigeniae*

NY BEES: (47) *Agapostemon texanus*; *Agapostemon virescens*; *Andrena carlini*; *Andrena ceanothi*; *Andrena cressonii*; *Andrena dunningi*; *Andrena erigeniae*; *Andrena forbesii*; *Andrena imitatrix*; *Andrena krigiana*; *Andrena miserabilis*; *Andrena nasonii*; *Andrena nigrihirta*; *Andrena rugosa*; *Andrena tridens*; *Andrena vicina*; *Andrena ziziaeformis*; *Apis mellifera*; *Augochlora pura*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus ternarius*; *Ceratina calcarata*; *Ceratina strenua*; *Colletes inaequalis*; *Halictus confusus*; *Halictus rubicundus*; *Lasioglossum birkmanni*; *Lasioglossum coeruleum*; *Lasioglossum cressonii*; *Lasioglossum forbesii*; *Lasioglossum obscurum*; *Lasioglossum quebecense*; *Lasioglossum versans*; *Nomada denticulata*; *Nomada depressa*; *Nomada luteola*; *Nomada luteoloides*; *Nomada perplexa*; *Nomada pygmaea*; *Osmia albolateralis*; *Osmia conjuncta*; *Osmia cornifrons*; *Osmia lignaria*; *Pseudopanurgus labrosus*; *Xylocopa virginica*



NY BUTTERFLIES & MOTHS: (10) *Anthocharis midea*; *Callophrys henrici*; *Celastrina argiolus*; *Celastrina ladon*; *Cupido comyntas*; *Erynnis juvenalis*; *Pieris virginiensis*; *Polygonia comma*; *Vanessa atalanta*; *Vanessa virginiensis*
NY FLIES: (12) *Bombylius major*; *Brachypalpus oarus*; *Epalpus signifer*; *Eristalis dimidiata*; *Eupeodes americanus*; *Helophilus fasciatus*; *Platycheirus obscurus*; *Syrphus torvus*; *Toxomerus bosci*; *Toxomerus marginatus*; *Volucella bombylans*; *Xylota angustiventris*
NY WASPS: (9) *Ancistrocerus capra*; *Camponotus subbarbatus*; *Lasius americanus*; *Nylanderia flavipes*; *Polistes dominula*; *Polistes metricus*; *Prenolepis imparis*; *Tapinoma sessile*; *Temnothorax curvispinosus*
NY BEETLES: (7) *Acmaeodera tubulus*; *Anthrenus museorum*; *Anthrenus verbasci*; *Atalantycha bilineata*; *Coleomegilla maculata*; *Harmonia axyridis*; *Strangalia famelica*

Gray Goldenrod *Solidago nemoralis*

Q4 • Aug–Oct

NA **102** NY **93** (35 georef. +58 range) bees 27.0 · butterflies 13.0 · moths 7.0 · flies 8.0 · wasps 23.0 · beetles 5.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Andrena asteris* S3?

SPECIALIST *Andrena asteris*, *Andrena hirticincta*, *Andrena nubecula*, *Colletes compactus*, *Colletes solidaginis*, *Perdita octomaculata*

NY BEES: (27) *Agapostemon virescens*; *Andrena asteris*; *Andrena hirticincta*; *Andrena miserabilis*; *Andrena nubecula*; *Anthidium oblongatum*; *Apis mellifera*; *Bombus auricomus*; *Bombus bifarius*; *Bombus impatiens*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus vagans*; *Ceratina calcarata*; *Coelioxys sayi*; *Colletes simulans*; *Colletes solidaginis*; *Epeolus scutellaris*; *Halictus confusus*; *Halictus ligatus*; *Halictus parallelus*; *Lasioglossum cinctipes*; *Lasioglossum leucozonium*; *Melissodes druriellus*; *Nomada tiftonensis*; *Perdita octomaculata*; *Stelis louisae*

NY BUTTERFLIES & MOTHS: (20) *Agrotis venerabilis*; *Atalopedes huron*; *Burnsius communis*; *Coenonympha californica*; *Colias eurytheme*; *Colias philodice*; *Cupido comyntas*; *Eurema lisa*; *Euxoa bostoniensis*; *Hesperia colorado*; *Junonia coenia*; *Lithophane hemina*; *Lycaena hypophlaeas*; *Nathalis iole*; *Pyrausta rubralis*; *Schinia arcigera*; *Schinia septentrionalis*; *Spoladea recurvalis*; *Strymon melinus*; *Vanessa virginiensis*

NY FLIES: (8) *Bibio albipennis*; *Eristalis arbustorum*; *Eristalis tenax*; *Eristalis transversa*; *Physiphora alceae*; *Physocephala tibialis*; *Sericomyia militaris*; *Toxomerus geminatus*

NY WASPS: (23) *Ammophila procera*; *Ancistrocerus campestris*; *Ancistrocerus catskill*; *Ancistrocerus gazella*; *Bembix americana*; *Bicyrtes quadrifasciatus*; *Cerceris fumipennis*; *Ceropales maculata*; *Eremnophila aureonotata*; *Eumenes fraternus*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Oxybelus emarginatus*; *Philanthus gibbosus*; *Philanthus lepidus*; *Philanthus ventilabris*; *Polistes dominula*; *Polistes fuscatus*; *Prenolepis imparis*; *Sapyga centrata*; *Scolia bicipuncta*; *Scolia dubia*; *Sphex ichneumoneus*

NY BEETLES: (5) *Calopteron reticulatum*; *Chauliognathus pensylvanicus*; *Hippodamia parenthesis*; *Megacyllene robiniae*; *Onthophagus pennsylvanicus*

Old-field White Aster *Symphyotrichum pilosum*

Q1,Q3 • Aug–Oct

NA **102** NY **98** (46 georef. +52 range) bees 24.0 · butterflies 26.0 · moths 6.0 · flies 21.0 · wasps 16.0 · beetles 2.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Andrena asteris* S3?, *Andrena braccata* S2?

SPECIALIST *Andrena asteris*, *Andrena hirticincta*, *Andrena nubecula*, *Colletes compactus* **LARVAL HOST:** Pearl Crescent

NY BEES: (24) *Agapostemon virescens*; *Andrena asteris*; *Andrena braccata*; *Andrena hirticincta*; *Andrena nubecula*; *Apis mellifera*; *Augochlora pura*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus ternarius*; *Colletes compactus*; *Halictus confusus*; *Halictus ligatus*; *Lasioglossum fuscipenne*; *Lasioglossum oceanicum*; *Megachile campanulae*; *Megachile mendica*; *Megachile montivaga*; *Melissodes dentiventris*; *Melissodes druriellus*; *Nomada placida*; *Pseudopanurgus andreoides*; *Pseudopanurgus compositarum*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (32) *Ancyloxypha numitor*; *Atalopedes huron*; *Burnsius communis*; *Calycopis cecrops*; *Cisseps fulvicollis*; *Colias eurytheme*; *Cupido comyntas*; *Danaus plexippus*; *Epargyreus clarus*; *Euptoieta claudia*; *Eurema lisa*; *Feltia jaculifera*; *Heliconius charithonia*; *Hylephila phyleus*; *Junonia coenia*; *Lacinipolia renigera*; *Loxostege cereralis*; *Lycaena hypophlaeas*; *Nathalis iole*; *Panoquina ocola*; *Papilio glaucus*; *Phyciodes tharos*; *Pieris rapae*; *Polites peckius*; *Schinia arcigera*; *Spoladea recurvalis*; *Strymon melinus*; *Urbanus proteus*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*; *Zerene cesonia*

NY FLIES: (21) *Allograpta obliqua*; *Cochliomyia macellaria*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Helophilus fasciatus*; *Lucilia sericata*; *Mallota posticata*; *Orthonevra nitida*; *Palpada furcata*; *Palpada vinetorum*; *Physocephala tibialis*; *Pseudodoros clavatus*; *Sericomyia chrysotoxoides*; *Syrphid pipiens*; *Syrphus rectus*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Trichopoda pennipes*

NY WASPS: (16) *Ammophila pictipennis*; *Ancistrocerus adiabatus*; *Ancistrocerus campestris*; *Dielis plumipes*; *Dolichovespula maculata*; *Eumenes fraternus*; *Euodynerus hidalgo*; *Microbembex monodonta*; *Monobia quadridens*; *Pachodynerus erynnis*; *Philanthus gibbosus*; *Polistes dominula*; *Polistes fuscatus*; *Polistes metricus*; *Sphex ichneumoneus*; *Zethus spinipes*

NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*

Whorled Milkweed *Asclepias verticillata*

Q3 • Jul–Sep

NA **102** NY **76** (10 georef. +66 range) bees 22.0 · butterflies 14.0 · moths 5.0 · flies 6.0 · wasps 18.0 · beetles 6.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

SPECIALIST *Colletes compactus* **LARVAL HOST:** Monarch

NY BEES: (22) *Agapostemon texanus*; *Andrena nuda*; *Apis mellifera*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Halictus confusus*; *Halictus ligatus*; *Hylaeus leptocephalus*; *Hylaeus sparsus*; *Lasioglossum cinctipes*; *Lasioglossum coeruleum*; *Lasioglossum illinoense*; *Lasioglossum versatum*; *Lasioglossum vierecki*; *Megachile sculpturalis*; *Melissodes bimaculatus*; *Nomada obliterata*; *Sphecodes heraclei*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (19) *Achyra rantalis*; *Agrotis ipsilon*; *Atalopedes huron*; *Atteva aurea*; *Battus philenor*; *Crambus laqueatellus*; *Cupido comyntas*; *Danaus gilippus*; *Danaus plexippus*; *Epargyreus clarus*; *Euptoieta claudia*; *Hypena scabra*; *Limenitis archippus*; *Papilio cressphontes*; *Papilio troilus*; *Phyciodes tharos*; *Plebejus samuelis*; *Strymon melinus*; *Tharsalea hyllus*

NY FLIES: (6) *Helophilus latifrons*; *Parhelophilus divinus*; *Pipiza femoralis*; *Syrphus ribesii*; *Toxomerus marginatus*; *Xylota angustiventris*

NY WASPS: (18) *Ancistrocerus catskill*; *Ancistrocerus gazella*; *Anoplius illinoensis*; *Cerceris bicornuta*; *Cerceris clypeata*; *Cerceris deserta*; *Dolichovespula arenaria*; *Forelius pruinosus*; *Liris argentatus*; *Myzinum quinquecinctum*; *Poecilopompilus interruptus*; *Polistes dominula*; *Polistes fuscatus*; *Prionyx parkeri*; *Scolia nobilitata*; *Sphex ichneumoneus*; *Sphex nudus*; *Sphex pensylvanicus*

NY BEETLES: (6) *Calleida punctata*; *Chauliognathus pensylvanicus*; *Onthophagus pennsylvanicus*; *Strangalia famelica*; *Strangalia luteicornis*; *Tetraopes tetrophthalmus*



Smooth Blue Aster *Symphyotrichum laeve*

Q1,Q3 · Aug-Oct

NA **101** NY **88** (30 georef. +58 range) bees 36.0 · butterflies 21.0 · moths 5.0 · flies 14.0 · wasps 7.0 · beetles 3.0
▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus terricola* S3

SPECIALIST *Andrena asteris*, *Andrena hirticincta*, *Colletes compactus* **LARVAL HOST:** Pearl Crescent (*S. laeve* named)

NY BEES: (36) *Agapostemon splendens*; *Agapostemon virescens*; *Andrena asteris*; *Andrena braccata*; *Andrena hirticincta*; *Apis mellifera*; *Augochlora pura*; *Augochloropsis metallica*; *Bombus bifarius*; *Bombus citrinus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus insularis*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus vagans*; *Bombus vosnesenskii*; *Ceratina calcarata*; *Coelioxys porterae*; *Colletes compactus*; *Halictus ligatus*; *Hoplitis producta*; *Lasioglossum fuscipenne*; *Lasioglossum pectinatum*; *Megachile centuncularis*; *Megachile latimanus*; *Megachile perihirta*; *Melissodes bimaculatus*; *Melissodes druriellus*; *Stelis louisae*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (26) *Anagrapha falcifera*; *Ancyloxypha numitor*; *Argynnis mormonia*; *Atalopedes huron*; *Cercyonis pegala*; *Cisseps fulvicollis*; *Colias eurytheme*; *Colias philodice*; *Cupido comyntas*; *Danaus plexippus*; *Danaus plexippus*; *Dione vanillae*; *Epargyreus clarus*; *Erynnis baptisiae*; *Euphyes vestris*; *Euptoieta claudia*; *Hylephila phyleus*; *Lycaena hypophlaeas*; *Phyciodes tharos*; *Pieris rapae*; *Polites peckius*; *Pyrausta rubricalis*; *Schinia arcigera*; *Spoladea recurvalis*; *Strymon melinus*; *Thymelicus lineola*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*

NY FLIES: (14) *Epistrophe grossulariae*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis stipator*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Helophilus fasciatus*; *Sericomyia chrysotoxoides*; *Syrtrita pipiens*; *Syrphus knabi*; *Syrphus rectus*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (7) *Ancistrocerus adiabatus*; *Dolichovespula maculata*; *Eremnophila aureonotata*; *Eumenes fraternus*; *Parancistrocerus perennis*; *Vespula germanica*; *Vespula maculifrons*

NY BEETLES: (3) *Chauliognathus pensylvanicus*; *Coccinella septempunctata*; *Diabrotica undecimpunctata*

Garden Phlox *Phlox paniculata*

Q2,Q3,Q4 · Jul-Sep

NA **100** NY **97** (67 georef. +30 range) bees 8.0 · butterflies 42.0 · moths 21.0 · flies 9.0 · wasps 6.0 · beetles 7.0

NY BEES: (8) *Apis mellifera*; *Bombus affinis*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus vagans*; *Melissodes druriellus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (63) *Achyra rantalis*; *Aellopos titan*; *Aglais milberti*; *Amphion floridensis*; *Argynnis cybele*; *Atalopedes huron*; *Atteva aurea*; *Autographa precatonensis*; *Battus philenor*; *Calpodus ethlius*; *Calycopis cecrops*; *Cercyonis pegala*; *Cisseps fulvicollis*; *Colias eurytheme*; *Cucullia convexpennis*; *Cyaniris neglecta*; *Danaus plexippus*; *Diachrysa balluca*; *Dione vanillae*; *Dolba hyloeus*; *Epargyreus clarus*; *Erynnis baptisiae*; *Euphyes vestris*; *Euptoieta claudia*; *Hemaris diffinis*; *Hemaris thysbe*; *Hylephila phyleus*; *Hyles gallii*; *Hyles lineata*; *Limenitis archippus*; *Limenitis arthemis*; *Limochores mystic*; *Lon zabulon*; *Lycaena hypophlaeas*; *Macaria pustularia*; *Mitoura gryneus*; *Nepytia canosaria*; *Nomophila nearctica*; *Nymphalis antiopa*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio solstitius*; *Papilio troilus*; *Phoebis sennae*; *Phyciodes tharos*; *Pieris rapae*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Polygonia comma*; *Polygonia interrogationis*; *Polyommatus icarus*; *Prochoerodes lineola*; *Protoparce porcellaria*; *Pyrausta bicoloralis*; *Pyrausta signatalis*; *Strymon melinus*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*; *Wallengrenia egeremet*; *Xanthorhoe ferrugata*

NY FLIES: (9) *Blepharomastix ranalis*; *Eristalis arbustorum*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Exomala orientalis*; *Milesia virginiensis*; *Syrphus knabi*; *Toxomerus geminatus*

NY WASPS: (6) *Polistes dominula*; *Polistes fuscatus*; *Scolia dubia*; *Sphecius speciosus*; *Sphegus pensylvanicus*; *Vespula consobrina*

NY BEETLES: (7) *Chauliognathus marginatus*; *Chauliognathus pensylvanicus*; *Clytus ruficollis*; *Cotinis nitida*; *Diabrotica undecimpunctata*; *Megacyllene robiniae*; *Typocerus velutinus*

Gray-headed Coneflower *Ratibida pinnata*

Q3 · Jun-Aug

NA **99** NY **75** (16 georef. +59 range) bees 30.0 · butterflies 7.0 · moths 3.0 · flies 8.0 · wasps 15.0 · beetles 7.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus terricola* S3

SPECIALIST *Andrena rudbeckiae*

NY BEES: (30) *Andrena miserabilis*; *Andrena pruni*; *Apis mellifera*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Ceratina dupla*; *Florilegus condignus*; *Halictus ligatus*; *Hylaeus affinis*; *Hylaeus sparsus*; *Megachile latimanus*; *Melissodes agilis*; *Melissodes bimaculatus*; *Melissodes trinodis*; *Nomada affabilis*; *Osmia lignaria*; *Svastra obliqua*; *Triepeolus cressonii*; *Triepeolus helianthi*; *Triepeolus lunatus*

NY BUTTERFLIES & MOTHS: (10) *Calophasia lunula*; *Calycopis cecrops*; *Carmenta bassiformis*; *Cupido comyntas*; *Danaus plexippus*; *Erynnis horatius*; *Papilio polyxenes*; *Phyciodes tharos*; *Strymon melinus*; *Udea rubigalis*

NY FLIES: (8) *Eristalis stipator*; *Eristalis transversa*; *Geranomyia rostrata*; *Morellia micans*; *Orthonevra nitida*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Trichopsomyia apisaon*

NY WASPS: (15) *Amnophila pictipennis*; *Anacrabro ocellatus*; *Bembix americana*; *Bicyrtes quadrifasciatus*; *Bicyrtes ventralis*; *Cerceris insolita*; *Eremnophila aureonotata*; *Euodynerus hidalgo*; *Perilampus fulvicornis*; *Philanthus ventilabris*; *Polistes dominula*; *Sapyga centrata*; *Scolia dubia*; *Scolia nobilitata*; *Zethus spinipes*

NY BEETLES: (7) *Anoplognathus pubera*; *Batyle suturalis*; *Chauliognathus pensylvanicus*; *Diabrotica cristata*; *Odontocorynus salebrosus*; *Popillia japonica*; *Typocerus octonotatus*

Obedient Plant *Physostegia virginiana*

Q3 · Aug-Sep

NA **96** NY **80** (28 georef. +52 range) bees 32.0 · butterflies 17.0 · moths 6.0 · flies 6.0 · wasps 4.0 · beetles 5.0

▲ **AT-RISK BEES:** *Bombus borealis* S3, *Bombus citrinus* S2S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2

NY BEES: (32) *Agapostemon virescens*; *Andrena salicaria*; *Anthidium manicatum*; *Anthidium oblongatum*; *Anthophora terminalis*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus ternarius*; *Bombus vagans*; *Ceratina calcarata*; *Ceratina dupla*; *Coelioxys modesta*; *Hylaeus modestus*; *Lasioglossum coriaceum*; *Megachile campanulae*; *Megachile sculpturalis*; *Nomada denticulata*; *Osmia lignaria*; *Pseudopanurgus labrosiformis*; *Sphecodes pimpinellae*; *Triepeolus donatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (23) *Ancyloxypha numitor*; *Atteva aurea*; *Battus philenor*; *Calycopis cecrops*; *Clossiana toddi*; *Cupido comyntas*; *Danaus plexippus*; *Epargyreus clarus*; *Evergestis pallidata*; *Hemaris thysbe*; *Hylephila phyleus*; *Hyles lineata*; *Lon zabulon*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio troilus*; *Phoebis sennae*; *Polites peckius*; *Spoladea recurvalis*; *Strymon melinus*; *Urbanus proteus*; *Vanessa atalanta*; *Xylophanes tersa*

NY FLIES: (6) *Allograpta obliqua*; *Eristalis flavipes*; *Eupeodes americanus*; *Exoprosopa fascipennis*; *Teuchocnemis lituratus*; *Toxomerus geminatus*

NY WASPS: (4) *Dolichovespula arenaria*; *Eucerceris zonata*; *Lasius americanus*; *Parazumia symmorphia*

NY BEETLES: (5) *Chauliognathus pensylvanicus*; *Mordellistena ornata*; *Popillia japonica*; *Typocerus lugubris*; *Valgus canaliculatus*



Sweet Joe-Pye Weed *Eutrochium purpureum*

Q4 · Jul-Sep

NA **92** NY **76** (31 georef. +45 range) bees 23.0 · butterflies 17.0 · moths 20.0 · flies 4.0 · wasps 5.0 · beetles 3.0

▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus terricola* S3

SPECIALIST *Andrena helianthi*

NY BEES: (23) *Andrena helianthi*; *Andrena nuda*; *Augochlora pura*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus fervidus*; *Bombus flavidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Ceratina calcarata*; *Lasioglossum albipenne*; *Lasioglossum obscurum*; *Megachile mendica*; *Melissodes bimaculatus*; *Pseudopanurgus parvus*; *Triepeolus helianthi*; *Triepeolus lunatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (37) *Atteva aurea*; *Battus philenor*; *Cisseps fulvicollis*; *Conchylodes ovulalis*; *Crambus praefectellus*; *Cyaniris neglecta*; *Cynia tenera*; *Danaus plexippus*; *Epargyreus clarus*; *Epimecis hortaria*; *Erynnis baptisiae*; *Erynnis horatius*; *Euphyes vestris*; *Eusarca confusaria*; *Evergestis rimosalis*; *Hahncappsa marculenta*; *Harrisina americana*; *Hemaris diffinis*; *Hemaris thysbe*; *Hylephila phyleus*; *Hymenia perspectalis*; *Junonia coenia*; *Lon zabulon*; *Macaria minorata*; *Nomophila nearctica*; *Panoquina ocola*; *Papilio cressphontes*; *Papilio glaucus*; *Papilio troilus*; *Patalene olyzonaria*; *Phalaenophana pyramusalis*; *Pieris rapae*; *Prochoerodes lineola*; *Saucrobotys fumoferalis*; *Strymon melinus*; *Tricholita signata*; *Vanessa atalanta*

NY FLIES: (4) *Allagrapa aerea*; *Ocyrtamus costatus*; *Parhelophilus divinus*; *Systoechus vulgaris*

NY WASPS: (5) *Cerceris clypeata*; *Parancistrocerus perennis*; *Pseudodynerus quadrisectus*; *Scolia bicincta*; *Tachytes chrysopyga*

NY BEETLES: (3) *Anthrenus museorum*; *Podabrus tomentosus*; *Typocerus velutinus*

Aromatic Aster *Symphotrichum oblongifolium*

Q3 · Sep-Oct

NA **91** NY **89** (65 georef. +24 range) bees 22.0 · butterflies 23.0 · moths 6.0 · flies 24.0 · wasps 8.0 · beetles 3.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

LARVAL HOST: Pearl Crescent

NY BEES: (22) *Agapostemon sericeus*; *Agapostemon splendens*; *Agapostemon virescens*; *Anthidium oblongatum*; *Apis mellifera*; *Augochlora pura*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Ceratina calcarata*; *Coelioxys sayi*; *Halictus confusus*; *Halictus ligatus*; *Halictus rubicundus*; *Hylaeus punctatus*; *Lasioglossum fuscipenne*; *Lasioglossum zephyrum*; *Megachile centuncularis*; *Megachile mendica*; *Megachile perihirta*; *Megachile xylocopoides*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (29) *Abaeis nicippe*; *Anagrapha falcifera*; *Atalopedes huron*; *Autographa precatationis*; *Burnsius communis*; *Calycopis cecrops*; *Cisseps fulvicollis*; *Clossiana toddi*; *Colias eurytheme*; *Colias philodice*; *Cupido comyntas*; *Danaus plexippus*; *Epargyreus clarus*; *Euptoieta claudia*; *Eurema lisa*; *Helicoverpa zea*; *Hylephila phyleus*; *Hymenia perspectalis*; *Nathalis iole*; *Panoquina ocola*; *Phoebis sennae*; *Phyciodes tharos*; *Pieris rapae*; *Polites peckius*; *Polygonia comma*; *Schinia arcigera*; *Strymon melinus*; *Vanessa cardui*; *Vanessa virginiensis*

NY FLIES: (24) *Aedes albopictus*; *Allograpta obliqua*; *Epistrophe grossulariae*; *Epistrophe emarginata*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis stipator*; *Eristalis tenax*; *Eristalis transversa*; *Eupeodes americanus*; *Helophilus fasciatus*; *Lucilia sericata*; *Orthonevra nitida*; *Palpada agrorum*; *Pseudodoros clavatus*; *Pterallastes thoracicus*; *Sericomyia chrysotoxoides*; *Spanopoliis confusus*; *Syrirta pipiens*; *Syrphus knabi*; *Syrphus rectus*; *Syrphus torvus*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (8) *Ancistrocerus adiabatus*; *Monobia quadridens*; *Parancistrocerus perennis*; *Polistes dominula*; *Vespa crabro*; *Vespula germanica*; *Vespula maculifrons*; *Vespula squamosa*

NY BEETLES: (3) *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*; *Harmonia axyridis*

Hoary Vervain *Verbena stricta*

Q3 · Jul-Sep

NA **89** NY **74** (10 georef. +64 range) bees 32.0 · butterflies 26.0 · moths 2.0 · flies 5.0 · wasps 3.0 · beetles 2.0

▲ **AT-RISK BEES:** *Bombus citrinus* S2S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2

SPECIALIST *Andrena hirticincta*

NY BEES: (32) *Agapostemon angelicus*; *Andrena carlini*; *Andrena pruni*; *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus insularis*; *Bombus nevadensis*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus vagans*; *Calliopsis andreniformis*; *Ceratina calcarata*; *Epeolus bifasciatus*; *Halictus ligatus*; *Halictus rubicundus*; *Lasioglossum albipenne*; *Megachile latimanus*; *Megachile sculpturalis*; *Melissodes bimaculatus*; *Pseudopanurgus parvus*; *Svastra obliqua*; *Triepeolus lunatus*; *Triepeolus remigatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (28) *Ancyloxypha numitor*; *Argynnis aphrodite*; *Burnsius communis*; *Cercyonis pegala*; *Colias philodice*; *Cupido comyntas*; *Danaus plexippus*; *Epargyreus clarus*; *Erynnis baptisiae*; *Heliothis acesias*; *Hemaris diffinis*; *Limenitis archippus*; *Lycaena hypophlaeas*; *Papilio glaucus*; *Papilio polyxenes*; *Phyciodes tharos*; *Pieris rapae*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Polyommatus icarus*; *Problema byssus*; *Protographium marcellus*; *Satyrus titus*; *Strymon melinus*; *Vanessa atalanta*; *Vanessa cardui*; *Wallengrenia egeremet*

NY FLIES: (5) *Anthrax analis*; *Bibio albipennis*; *Brachypalpus oarus*; *Phormia regina*; *Volucella evecta*

NY WASPS: (3) *Oxybelus emarginatus*; *Polistes fuscatus*; *Scolia nobilitata*

NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Strangalia famelica*

Northern Blue Flag Iris *Iris versicolor*

Q4 · May-Jun

NA **87** NY **71** (34 georef. +37 range) bees 30.0 · butterflies 18.0 · moths 5.0 · flies 5.0 · wasps 2.0 · beetles 5.0

▲ **AT-RISK BEES:** *Bombus borealis* S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2

NY BEES: (30) *Agapostemon texanus*; *Andrena geranii*; *Andrena miserabilis*; *Andrena spiraeana*; *Anthophora terminalis*; *Anthophora ursina*; *Apis mellifera*; *Augochlora pura*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus ternarius*; *Ceratina calcarata*; *Ceratina dupla*; *Ceratina mikmaqi*; *Coelioxys sayi*; *Halictus ligatus*; *Halictus rubicundus*; *Lasioglossum cinctipes*; *Lasioglossum illinoense*; *Lasioglossum zonulum*; *Megachile centuncularis*; *Melissodes agilis*; *Nomada denticulata*; *Osmia bucephala*; *Sphecodes heraclei*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (23) *Amphion floridensis*; *Argynnis atlantis*; *Atalopedes huron*; *Atrytone delaware*; *Boloria myrina*; *Carterocephalus mandan*; *Danaus plexippus*; *Epargyreus clarus*; *Euphyes bimaculata*; *Eurymia stipatus*; *Hemaris gracilis*; *Hemaris thysbe*; *Hesperia sassacus*; *Limenitis archippus*; *Limochores mystic*; *Lon hobomok*; *Lon zabulon*; *Papilio canadensis*; *Papilio troilus*; *Polites peckius*; *Scythris trivinctella*; *Thymelicus lineola*; *Thyris maculata*

NY FLIES: (5) *Bibio albipennis*; *Eristalis dimidiata*; *Eristalis stipator*; *Mallota posticata*; *Parhelophilus laetus*

NY WASPS: (2) *Euodynerus foraminatus*; *Sapyga centrata*

NY BEETLES: (5) *Anoplogdera pubera*; *Lepturobosca chrysocoma*; *Mononychus vulpeculus*; *Pidonina ruficollis*; *Trichiotinus assimilis*



New York Ironweed *Vernonia noveboracensis*

Q4 · Aug–Oct

NA **84** NY **84** (70 georef. +14 range) bees 30.0 · butterflies 29.0 · moths 12.0 · flies 3.0 · wasps 3.0 · beetles 1.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3

SPECIALIST *Melissodes desponsus*, *Perdita octomaculata*

NY BEES: (30) *Agapostemon sericeus*; *Agapostemon splendens*; *Agapostemon virescens*; *Anthidium manicatum*; *Apis mellifera*; *Augochlora pura*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus vagans*; *Ceratina calcarata*; *Halictus ligatus*; *Lasioglossum pilosum*; *Megachile inimica*; *Megachile latimanus*; *Megachile pugnata*; *Megachile sculpturalis*; *Megachile texana*; *Megachile xylocopoides*; *Melissodes bimaculatus*; *Melissodes denticulatus*; *Melissodes desponsus*; *Melissodes trinodis*; *Perdita octomaculata*; *Pseudoanthidium nanum*; *Triepeolus helianthi*; *Triepeolus lunatus*; *Triepeolus remigatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (41) *Agrotis ipsilon*; *Ancyloxypha numitor*; *Argynnis cybele*; *Atalopedes huron*; *Cercyonis pegala*; *Ciseseptus fulvicollis*; *Colias eurytheme*; *Colias philodice*; *Danaus plexippus*; *Darapsa myron*; *Dargida diffusa*; *Eichlinia cucurbitae*; *Epargyreus clarus*; *Erynnis baptisiae*; *Erynnis horatius*; *Euphyes vestris*; *Eusarca confusaria*; *Heliopsis paleaceus*; *Hemaris diffinis*; *Hemaris thysbe*; *Hesperia leonardus*; *Hylephila phyleus*; *Junonia coenia*; *Lon zabulon*; *Nastra lherminier*; *Palthis angulalis*; *Panoquina ocola*; *Pantographa limata*; *Papilio cresphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio troilus*; *Perigea xanthioides*; *Phyciodes tharos*; *Pieris rapae*; *Poanes viator*; *Polites peckius*; *Polites themistocles*; *Vanessa atalanta*; *Vanessa cardui*; *Vanessa virginiensis*

NY FLIES: (3) *Allograpta obliqua*; *Eristalis arbustorum*; *Toxomerus geminatus*

NY WASPS: (3) *Polistes dominula*; *Sphecius speciosus*; *Vespula maculifrons*

NY BEETLES: (1) *Diabrotica undecimpunctata*

Robin's Plantain *Erigeron pulchellus*

Q2 · Apr–Jun

NA **77** NY **49** (21 georef. +28 range) bees 13.0 · butterflies 13.0 · moths 2.0 · flies 9.0 · wasps 3.0 · beetles 4.0

NY BEES: (13) *Agapostemon virescens*; *Apis mellifera*; *Augochlora pura*; *Augochlorella aurata*; *Bombus bifarius*; *Bombus bimaculatus*; *Bombus flavidus*; *Bombus huntii*; *Bombus impatiens*; *Bombus occidentalis*; *Colletes simulans*; *Halictus ligatus*; *Triepeolus cressonii*

NY BUTTERFLIES & MOTHS: (15) *Anania funebris*; *Ancyloxypha numitor*; *Argynnis callippe*; *Argynnis mormonia*; *Callophrys gryneus*; *Carterocephalus mandan*; *Cupido comyntas*; *Incisalia nippon*; *Lon hobomok*; *Papilio canadensis*; *Phyciodes tharos*; *Pieris oleracea*; *Polites peckius*; *Tetracis cachexiata*; *Vanessa virginiensis*

NY FLIES: (9) *Blaesoxipha hunteri*; *Eristalis dimidiata*; *Eristalis transversa*; *Exomala orientalis*; *Merodon equestris*; *Morellia micans*; *Parhelophilus divisus*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (3) *Ancistrocerus capra*; *Anoplius illinoensis*; *Parancistrocerus perennis*

NY BEETLES: (4) *Anthrenus museorum*; *Anthrenus verbasci*; *Lepturobosca chrysocoma*; *Mordellina pustulata*

Anise-scented Goldenrod *Solidago odora*

Q4 · Aug–Oct

NA **76** NY **67** (17 georef. +50 range) bees 11.0 · butterflies 12.0 · moths 2.0 · flies 5.0 · wasps 25.0 · beetles 6.0

▲ **AT-RISK BEES:** *Bombus terricola* S3

SPECIALIST *Andrena hirticincta*, *Colletes solidaginis*

NY BEES: (11) *Apis mellifera*; *Bombus impatiens*; *Bombus terricola*; *Coelioxys octodentata*; *Colletes solidaginis*; *Halictus confusus*; *Halictus ligatus*; *Hylaeus leptocephalus*; *Lasioglossum vierecki*; *Megachile albitarsis*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (14) *Atalopedes huron*; *Atteva aurea*; *Calycopis cecrops*; *Danaus gilippus*; *Danaus plexippus*; *Erynnis horatius*; *Heliconius charithonia*; *Leptotes cassius*; *Lycaena hypophlaeas*; *Phyciodes tharos*; *Polites peckius*; *Polites themistocles*; *Strymon melinus*; *Synchlora frondaria*

NY FLIES: (5) *Chalcosyrphus piger*; *Eristalinus aeneus*; *Syrirta pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*

NY WASPS: (25) *Ancistrocerus adiabatus*; *Ancistrocerus campestris*; *Bicyrtes quadrifasciatus*; *Cerceris insolita*; *Dolichovespula arenaria*; *Dolichovespula maculata*; *Eumenes fraternus*; *Euodynerus castigatus*; *Euodynerus foraminatus*; *Euodynerus hidalgo*; *Isodontia auripes*; *Isodontia mexicana*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Philanthus lepidus*; *Polistes dominula*; *Polistes fuscatus*; *Polistes metricus*; *Scolia bicincta*; *Scolia dubia*; *Scolia nobilitata*; *Sphex ichneumoneus*; *Sphex pensylvanicus*; *Vespula maculifrons*; *Vespula vidua*

NY BEETLES: (6) *Chauliognathus pensylvanicus*; *Epilachna varivestis*; *Euphoria sepulcralis*; *Megacyllene robiniae*; *Popillia japonica*; *Typocerus velutinus*

Field Thistle *Cirsium discolor*

Q1 · Aug–Sep

NA **74** NY **65** (28 georef. +37 range) bees 32.0 · butterflies 20.0 · moths 3.0 · flies 0.0 · wasps 2.0 · beetles 6.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Bombus borealis* S3

SPECIALIST *Melissodes desponsus*, *Peponapis pruinosa* **LARVAL HOST:** Painted Lady

NY BEES: (32) *Agapostemon texanus*; *Agapostemon virescens*; *Andrena spiraeana*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus sandersoni*; *Bombus terricola*; *Bombus vagans*; *Bombus variabilis*; *Megachile inermis*; *Megachile montivaga*; *Melissodes bimaculatus*; *Melissodes desponsus*; *Melissodes vernoniae*; *Osmia texana*; *Peponapis pruinosa*; *Ptilothrix bombiformis*; *Stelis foederalis*; *Triepeolus donatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (23) *Argynnis cybele*; *Atalopedes huron*; *Atrytone delaware*; *Battus philenor*; *Colias eurytheme*; *Danaus plexippus*; *Epargyreus clarus*; *Euphyes vestris*; *Feltia subgothica*; *Hemaris diffinis*; *Hemaris thysbe*; *Hylephila phyleus*; *Lon zabulon*; *Nastra lherminier*; *Panoquina panoquin*; *Papilio cresphontes*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio troilus*; *Phoebis sennae*; *Polites peckius*; *Protographium marcellus*; *Vanessa cardui*

NY WASPS: (2) *Dielis plumipes*; *Poecilopompilus interruptus*

NY BEETLES: (6) *Chauliognathus pensylvanicus*; *Diabrotica cristata*; *Diabrotica undecimpunctata*; *Euphoria sepulcralis*; *Onthophagus pensylvanicus*; *Typocerus velutinus*



Purple Milkweed *Asclepias purpurascens*

Q3 · Jun–Jul

NA **73** NY **52** (15 georef. +37 range) bees 13.0 · butterflies 14.0 · moths 5.0 · flies 7.0 · wasps 5.0 · beetles 5.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

SPECIALIST *Melissodes desponsus* **LARVAL HOST:** Monarch

NY BEES: (13) *Agapostemon texanus*; *Anthophora abrupta*; *Apis mellifera*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus perplexus*; *Ceratina dupla*; *Heriades leavitti*; *Hylaeus floridanus*; *Megachile texana*; *Melissodes desponsus*; *Sphecodes illinoensis*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (19) *Agrotis ipsilon*; *Argynnis cybele*; *Chlosyne nycteis*; *Danaus plexippus*; *Epargyreus clarus*; *Euphyes bimacula*; *Euphyes vestris*; *Harrisina americana*; *Lycomorpha pholus*; *Macaria notata*; *Papilio cresphontes*; *Papilio glaucus*; *Satyrus acadica*; *Satyrus favonius*; *Thorybes daunus*; *Thyris maculata*; *Vanessa atalanta*; *Vanessa virginiensis*; *Wallengrenia egeremet*

NY FLIES: (7) *Belvosia unifasciata*; *Bombylius pulchellus*; *Euthera tentatrix*; *Ocyrtamus costatus*; *Pipiza femoralis*; *Sarcophaga sinuata*; *Xylota angustiventris*

NY WASPS: (5) *Cerceris deserta*; *Cerceris insolita*; *Formica fusca*; *Liris argentatus*; *Poecilopompilus interruptus*

NY BEETLES: (5) *Acmaeodera tubulus*; *Anthrenus museum*; *Chauliognathus marginatus*; *Diabrotica undecimpunctata*; *Typocerus velutinus*

Nodding Onion *Allium cernuum*

Q2 · Jul–Aug

NA **70** NY **47** (8 georef. +39 range) bees 29.0 · butterflies 7.0 · moths 1.0 · flies 6.0 · wasps 1.0 · beetles 2.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3

NY BEES: (29) *Anthophora terminalis*; *Anthophora ursina*; *Apis mellifera*; *Ashmeadiella cactorum*; *Bombus affinis*; *Bombus bifarius*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus vagans*; *Bombus vosnesenskii*; *Colletes kincaidii*; *Halictus confusus*; *Halictus rubicundus*; *Heriades carinata*; *Heriades variolosa*; *Hoplitis albifrons*; *Hoplitis truncata*; *Lasioglossum albipenne*; *Lasioglossum athabascense*; *Lasioglossum cressonii*; *Lasioglossum vierecki*; *Megachile centuncularis*; *Megachile relativa*; *Melissodes bimaculatus*

NY BUTTERFLIES & MOTHS: (8) *Burnsius communis*; *Cupido comyntas*; *Danaus plexippus*; *Epargyreus clarus*; *Helicoverpa zea*; *Junonia coenia*; *Plebejus melissa*; *Polites themistocles*

NY FLIES: (6) *Allograpta obliqua*; *Eupeodes latifasciatus*; *Eupeodes volucris*; *Hemipenthes sinuosus*; *Lapposyrphus lapponicus*; *Toxomerus geminatus*

NY WASPS: (1) *Scolia dubia*

NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Diabrotica cristata*

Common Evening Primrose *Oenothera biennis*

Q3 · Jun–Sep

NA **68** NY **56** (23 georef. +33 range) bees 18.0 · butterflies 9.0 · moths 4.0 · flies 7.0 · wasps 2.0 · beetles 6.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus borealis* S3

SPECIALIST *Lasioglossum oenotherae*, *Peponapis pruinosa* **LARVAL HOST:** sphinx moths

NY BEES: (18) *Agapostemon virescens*; *Andrena pruni*; *Apis mellifera*; *Augochlora pura*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Ceratina dupla*; *Lasioglossum oenotherae*; *Megachile sculpturalis*; *Megachile texana*; *Osmia conjuncta*; *Peponapis pruinosa*; *Sphecodes illinoensis*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (13) *Atalopedes huron*; *Danaus plexippus*; *Epargyreus clarus*; *Feltia jaculifera*; *Hemaris diffinis*; *Lerema accius*; *Mompha stellella*; *Papilio troilus*; *Papilio zelicaon*; *Phoebastria sennae*; *Polites peckius*; *Schinia florida*; *Vanessa atalanta*

NY FLIES: (7) *Eristalis arbutorum*; *Mallota posticata*; *Meromyza americana*; *Sericomyia chrysotoxoides*; *Syrphoctonus pipiens*; *Toxomerus geminatus*; *Toxomerus politus*

NY WASPS: (2) *Ancistrocerus gazella*; *Scolia nobilitata*

NY BEETLES: (6) *Acanthoscelidius acephalus*; *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*; *Euphoria fulgida*; *Popillia japonica*; *Typocerus lugubris*

Showy Milkweed *Asclepias speciosa*

Q2 · Jun–Jul

NA **67** NY **44** (3 georef. +41 range) bees 16.0 · butterflies 20.0 · moths 1.0 · flies 0.0 · wasps 0.0 · beetles 3.0
▲ **AT-RISK BEES:** *Bombus borealis* S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2

SPECIALIST *Peponapis pruinosa* **LARVAL HOST:** Monarch

NY BEES: (16) *Apis mellifera*; *Bombus appositus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus insularis*; *Bombus nevadensis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus vosnesenskii*; *Halictus rubicundus*; *Lasioglossum zephyrum*

NY BUTTERFLIES & MOTHS: (21) *Argynnis cybele*; *Argynnis idalia*; *Atalopedes huron*; *Battus philenor*; *Chlosyne gorgone*; *Colias eurytheme*; *Danaus gilippus*; *Danaus plexippus*; *Epargyreus clarus*; *Euptoieta claudia*; *Hyles lineata*; *Mitoura gryneus*; *Nathalis iole*; *Papilio canadensis*; *Papilio polyxenes*; *Papilio rutulus*; *Pieris rapae*; *Satyrus californica*; *Satyrus titus*; *Strymon melinus*; *Vanessa virginiensis*

NY BEETLES: (3) *Coccinella septempunctata*; *Hippodamia convergens*; *Popillia japonica*

Tall Coreopsis *Coreopsis tripteris*

Q3,Q4 · Aug–Oct

NA **67** NY **42** (19 georef. +23 range) bees 11.0 · butterflies 7.0 · moths 2.0 · flies 12.0 · wasps 5.0 · beetles 3.0
NY BEES: (11) *Agapostemon texanus*; *Agapostemon virescens*; *Apis mellifera*; *Augochlora pura*; *Bombus bimaculatus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Halictus ligatus*; *Nomada oblitterata*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (9) *Atalopedes huron*; *Caenurgina erechtea*; *Colias eurytheme*; *Cupido comyntas*; *Danaus plexippus*; *Euptoieta claudia*; *Helicoverpa armigera*; *Junonia coenia*; *Papilio glaucus*

NY FLIES: (12) *Bombylius atriceps*; *Eristalis flavipes*; *Eristalis tenax*; *Eristalis transversa*; *Hemipenthes sinuosus*; *Liohippelates pusio*; *Phasia robertsonii*; *Sparnopolius confusus*; *Syrphoctonus pipiens*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Xylota bicolor*

NY WASPS: (5) *Entypus unifasciatus*; *Eremnophila aureonotata*; *Eumenes fraternus*; *Euodynerus hidalgo*; *Scolia dubia*

NY BEETLES: (3) *Chauliognathus pensylvanicus*; *Diabrotica barberi*; *Harmonia axyridis*



Round-headed Bush Clover *Lespedeza capitata*

Q2 • Aug-Sep

NA **66** NY **52** (14 georef. +38 range) bees 23.0 · butterflies 11.0 · moths 1.0 · flies 2.0 · wasps 5.0 · beetles 4.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus borealis* S3

LARVAL HOST: Hoary Edge (Lespedeza host)

NY BEES: (23) *Andrena salictaria*; *Anthidiellum notatum*; *Anthidium manicatum*; *Anthidium oblongatum*; *Apis mellifera*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus vagans*; *Ceratina dupla*; *Halictus rubicundus*; *Megachile latimanus*; *Megachile texana*; *Melissodes agilis*; *Melissodes bimaculatus*; *Nomada integerrima*; *Sphecodes heraclei*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (12) *Atalopedes huron*; *Cupido comyntas*; *Cyaniris neglecta*; *Erynnis baptisiae*; *Euphyes vestris*; *Hylephila phyleus*; *Limenitis archippus*; *Papaipema baptisiae*; *Pieris rapae*; *Plebejus samuelis*; *Polites themistocles*; *Strymon melinus*

NY FLIES: (2) *Olcella trigramma*; *Trichopsomyia apisaon*

NY WASPS: (5) *Perilampus fulvicornis*; *Sapyga centrata*; *Sphex ichneumoneus*; *Sphex pensylvanicus*; *Tachytes chrysopyga*

NY BEETLES: (4) *Anomoea laticlavata*; *Anoplodera pubera*; *Centrinus picumnus*; *Popillia japonica*

Purple Giant Hyssop *Agastache scrophulariifolia*

Q3 • Jul-Sep

▲ **DATA CAUTION — CONGENER / GUILD ATTRIBUTED, NOT SPECIES-SPECIFIC.** Visitor counts for this plant were not independently derived from species-specific GloBI records and are suppressed pending re-query; the lists below carry the same attributed provenance and should not be read as species-level records.

▲ **AT-RISK BEES:** *Andrena erythrogaster* S2?, *Bombus citrinus* S2S3, *Bombus pensylvanicus* S2

NY BEES: (24) *Agapostemon splendens*; *Agapostemon texanus*; *Andrena erythrogaster*; *Andrena macoupinensis*; *Anthidium manicatum*; *Anthophora terminalis*; *Anthophora walshii*; *Apis mellifera*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus vagans*; *Ceratina calcarata*; *Coelioxys sayi*; *Hylaeus modestus*; *Lasioglossum illinoense*; *Megachile montivaga*; *Megachile sculpturalis*; *Stelis lateralis*; *Triepeolus donatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (9) *Atalopedes huron*; *Atteva aurea*; *Cisseps fulvicollis*; *Danaus plexippus*; *Epargyreus clarus*; *Junonia coenia*; *Papilio glaucus*; *Poanes viator*; *Strymon melinus*

NY FLIES: (2) *Epistrophe emarginata*; *Milesia virginensis*

NY WASPS: (6) *Ammophila procera*; *Anoplius illinoensis*; *Cerceris clypeata*; *Cerceris insolita*; *Dielis plumipes*; *Sphex pensylvanicus*

NY BEETLES: (4) *Acmaeodera tubulus*; *Anthrenus museorum*; *Onthophagus pennsylvanicus*; *Popillia japonica*

Jerusalem Artichoke *Helianthus tuberosus*

Q4 • Aug-Oct

NA **63** NY **49** (10 georef. +39 range) bees 18.0 · butterflies 8.0 · moths 1.0 · flies 6.0 · wasps 7.0 · beetles 4.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Andrena helianthi* S1S2

SPECIALIST *Andrena helianthi* **LARVAL HOST:** Silvery Checkerspot

NY BEES: (18) *Agapostemon virescens*; *Andrena andreoides*; *Andrena helianthi*; *Apis mellifera*; *Bombus bimaculatus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus vagans*; *Lasioglossum simplex*; *Megachile xylocopoides*; *Nomada integerrima*; *Paranthidium jugatorium*; *Pseudopanurgus labrosiformis*

NY BUTTERFLIES & MOTHS: (9) *Anagrapha falcifera*; *Argynnis cybele*; *Atalopedes huron*; *Burnsius communis*; *Chlosyne nycteis*; *Danaus plexippus*; *Phyciodes tharos*; *Pieris rapae*; *Vanessa cardui*

NY FLIES: (6) *Chalcosyrphus nemorum*; *Eristalis transversa*; *Eupeodes americanus*; *Hippelates plebejus*; *Toxomerus marginatus*; *Xylota bicolor*

NY WASPS: (7) *Bicyrtes ventralis*; *Chrysis iris*; *Dolichovespula maculata*; *Poecilopompilus interruptus*; *Polistes fuscatus*; *Tachytes chrysopyga*; *Vespula maculifrons*

NY BEETLES: (4) *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*; *Propylea quatuordecimpunctata*; *Typocerus lugubris*

Purple Prairie Clover *Dalea purpurea*

Q2 • Jul-Aug

NA **62** NY **53** (2 georef. +51 range) bees 39.0 · butterflies 4.0 · moths 0.0 · flies 2.0 · wasps 4.0 · beetles 3.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus terricola* S3, *Bombus borealis* S3

NY BEES: (39) *Agapostemon virescens*; *Anthophora terminalis*; *Anthophora walshii*; *Apis mellifera*; *Augochlorella aurata*; *Bombus affinis*; *Bombus appositus*; *Bombus auricomus*; *Bombus bifarius*; *Bombus pensylvanicus*; *Bombus borealis*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Colletes kincaidii*; *Halictus confusus*; *Halictus ligatus*; *Halictus parallelus*; *Halictus rubicundus*; *Lasioglossum albipenne*; *Lasioglossum paraforbesii*; *Lasioglossum vierecki*; *Megachile latimanus*; *Megachile pugnata*; *Megachile rugifrons*; *Melissodes bimaculatus*; *Melissodes desponsus*; *Svastra obliqua*; *Triepeolus oblitteratus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (4) *Argynnis cybele*; *Cercyonis pegala*; *Plebejus melissa*; *Thymelicus lineola*

NY FLIES: (2) *Helophilus latifrons*; *Toxomerus marginatus*

NY WASPS: (4) *Microbembex monodonta*; *Myzinum quinquecinctum*; *Philanthus ventilabris*; *Sphex ichneumoneus*

NY BEETLES: (3) *Colaspis brunnea*; *Diabrotica cristata*; *Diabrotica undecimpunctata*

Black Chokeberry *Aronia melanocarpa*

Q4 • Apr-May

NA **61** NY **61** (31 georef. +30 range) bees 20.0 · butterflies 7.0 · moths 3.0 · flies 17.0 · wasps 1.0 · beetles 12.0
NY BEES: (20) *Andrena alleghaniensis*; *Andrena carlini*; *Andrena crataegi*; *Andrena dunningi*; *Andrena hippotes*; *Andrena milwaukeensis*; *Andrena regularis*; *Andrena rufosignata*; *Andrena rugosa*; *Andrena vicina*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus perplexus*; *Bombus sandersoni*; *Bombus ternarius*; *Colletes inaequalis*; *Halictus confusus*; *Lasioglossum pilosum*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (10) *Colias eurytheme*; *Incisalia nippon*; *Lomographa semiclarata*; *Lomographa vestaliata*; *Mitoura gryneus*; *Nymphalis antiopa*; *Oeneis jutta*; *Palthis angulalis*; *Papilio glaucus*; *Vanessa virginensis*

NY FLIES: (17) *Anasimyia bilinearis*; *Eristalis arbustorum*; *Eristalis dimidiata*; *Eristalis obscura*; *Eristalis saxorum*; *Eristalis tenax*; *Eristalis transversa*; *Helophilus fasciatus*; *Helophilus latifrons*; *Myopa vesiculosa*; *Odontomyia cincta*; *Orthonevra nitida*; *Parhelophilus laetus*; *Sphecomyia vittata*; *Syrirta pipiens*; *Syrphus torvus*; *Teuchochneis lituratus*

NYC MICRO-PAIRIE HABITAT MATRIX



NY WASPS: (1) *Polistes fuscatus*

NY BEETLES: (12) *Anoploclera pubera*; *Anthrenus verbasci*; *Brachiacantha ursina*; *Callimoxys sanguinicolis*; *Diabrotica undecimpunctata*; *Hoplia trifasciata*; *Ischnomera ruficollis*; *Malachius aeneus*; *Molorchus bimaculatus*; *Nemognatha nemorensis*; *Orsodacne atra*; *Selatosomus pulcher*

Prairie Blazing Star *Liatris pycnostachya*

Q1 • Jul-Sep

NA **60** NY **56** (6 georef. +50 range) bees 19.0 · butterflies 21.0 · moths 4.0 · flies 3.0 · wasps 4.0 · beetles 3.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3

NY BEES: (19) *Agapostemon virescens*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus ternarius*; *Bombus vagans*; *Ceratina dupla*; *Halictus ligatus*; *Melissodes agilis*; *Melissodes bimaculatus*; *Osmia lignaria*; *Sphecodes pimpinellae*; *Triepeolus cressonii*; *Triepeolus simplex*

NY BUTTERFLIES & MOTHS: (25) *Argynnis aphrodite*; *Argynnis cybele*; *Battus philenor*; *Calophasia lunula*; *Colias eurytheme*; *Danaus gilippus*; *Danaus plexippus*; *Epargyreus clarus*; *Euphyes vestris*; *Feltia herilis*; *Hemaris thysbe*; *Junonia coenia*; *Lerodea eufala*; *Lon zabulon*; *Papilio cresphontes*; *Papilio glaucus*; *Papilio palamedes*; *Papilio troilus*; *Phoebis sennae*; *Polites peckius*; *Polites themistocles*; *Sitochroa palealis*; *Strymon melinus*; *Urbanus proteus*; *Vanessa virginiensis*

NY FLIES: (3) *Bibio albipennis*; *Helophilus latifrons*; *Morellia micans*

NY WASPS: (4) *Cerceris deserta*; *Liris argentatus*; *Tachytes aurulentus*; *Vespula maculifrons*

NY BEETLES: (3) *Chauliognathus pensylvanicus*; *Diabrotica cristata*; *Popillia japonica*

Sweet Coneflower *Rudbeckia subtomentosa*

Q2,Q3 • Aug-Oct

NA **60** NY **44** (16 georef. +28 range) bees 12.0 · butterflies 4.0 · moths 11.0 · flies 7.0 · wasps 1.0 · beetles 2.0

SPECIALIST *Melissodes coreopsis*, *Pseudopanurgus rudbeckiae* **LARVAL HOST:** Silvery Checkerspot (composite host)

NY BEES: (12) *Andrena miserabilis*; *Apis mellifera*; *Augochlora pura*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus rufocinctus*; *Halictus ligatus*; *Melissodes dentiventris*; *Nomada affabilis*; *Nomada integerrima*; *Paranthidium jugatorium*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (15) *Alypia octomaculata*; *Atteva aurea*; *Calycopis cecrops*; *Cisseps fulvicollis*; *Erynnis horatius*; *Helicoverpa zea*; *Lascoria ambigua*; *Limenitis archippus*; *Nomophila nearctica*; *Phyciodes tharos*; *Ponometia candefacta*; *Ponometia erastrioides*; *Tarache terminimaculata*; *Udea rubigalis*; *Xylophanes tersa*

NY FLIES: (7) *Brachypalpus oarus*; *Epistrophe emarginata*; *Eristalis stipator*; *Eristalis transversa*; *Phormia regina*; *Sarcophaga sinuata*; *Stratiomys normula*

NY WASPS: (1) *Euodynerus hidalgo*

NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Strangalia famelica*

Blue-eyed Grass *Sisyrinchium angustifolium*

Q2 • May-Jun

NA **58** NY **32** (3 georef. +29 range) bees 12.0 · butterflies 1.0 · moths 1.0 · flies 8.0 · wasps 3.0 · beetles 2.0

NY BEES: (12) *Andrena mandibularis*; *Andrena pruni*; *Apis mellifera*; *Calliopsis andreniformis*; *Ceratina strenua*; *Halictus rubicundus*; *Hylaeus schwarzi*; *Megachile texana*; *Melissodes druriellus*; *Nomada integerrima*; *Nomada vineta*; *Osmia conjuncta*

NY BUTTERFLIES & MOTHS: (2) *Harrisina americana*; *Limenitis archippus*

NY FLIES: (8) *Calliphora vomitoria*; *Paragus haemorrhous*; *Phormia regina*; *Toxomerus bosci*; *Toxomerus geminatus*; *Toxomerus marginatus*; *Toxomerus politus*; *Zodion fulvifrons*

NY WASPS: (3) *Ectemnius atriceps*; *Eumenes fraternus*; *Perilampus fulvicornis*

NY BEETLES: (2) *Euphoria fulgida*; *Valgus canaliculatus*

Hairy Beardtongue *Penstemon hirsutus*

Q4 • May-Jun

NA **55** NY **36** (12 georef. +24 range) bees 23.0 · butterflies 2.0 · moths 0.0 · flies 5.0 · wasps 2.0 · beetles 2.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3

SPECIALIST *Osmia distincta*

NY BEES: (23) *Agapostemon virescens*; *Andrena pruni*; *Andrena robertsonii*; *Anthidium manicatum*; *Anthophora terminalis*; *Apis mellifera*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus vagans*; *Ceratina calcarata*; *Hoplitis pilosifrons*; *Hoplitis spoliata*; *Melissodes bimaculatus*; *Osmia bucephala*; *Osmia distincta*; *Pseudopanurgus labrosiformis*; *Triepeolus cressonii*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (2) *Lon hobomok*; *Papilio polyxenes*

NY FLIES: (5) *Calliphora vomitoria*; *Cnephia pecuarum*; *Cynomya cadaverina*; *Toxomerus geminatus*; *Toxomerus politus*

NY WASPS: (2) *Eucerceris zonata*; *Leptochilus republicanus*

NY BEETLES: (2) *Acmaeodera tubulus*; *Onthophagus pennsylvanicus*

Virginia Bluebells *Mertensia virginica*

NA **55** NY **47** (8 georef. +39 range) bees 21.0 · butterflies 7.0 · moths 3.0 · flies 6.0 · wasps 4.0 · beetles 2.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3

NY BEES: (21) *Andrena carlini*; *Andrena pruni*; *Anthophora villosula*; *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus perplexus*; *Bombus rufocinctus*; *Ceratina dupla*; *Coelioxys sayi*; *Colletes inaequalis*; *Colletes productus*; *Habropoda laboriosa*; *Lasioglossum albipenne*; *Lasioglossum coeruleum*; *Osmia bucephala*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (10) *Amphion floridensis*; *Battus philenor*; *Danaus plexippus*; *Hemaris diffinis*; *Hemaris thysbe*; *Papilio glaucus*; *Papilio troilus*; *Pieris rapae*; *Protographium marcellus*; *Vanessa cardui*

NY FLIES: (6) *Bibio albipennis*; *Bombylius major*; *Epistrophe emarginata*; *Eristalis dimidiata*; *Exoprosopa fascipennis*; *Morellia micans*

NY WASPS: (4) *Bembix americana*; *Eumenes fraternus*; *Liris argentatus*; *Poecilopompilus interruptus*

NY BEETLES: (2) *Mordellistena aspersa*; *Onthophagus pennsylvanicus*



Shooting Star *Dodecatheon meadia*

Q2 · Apr–May

NA **54** NY **34** (0 georef. +34 range) bees 19.0 · butterflies 1.0 · moths 0.0 · flies 5.0 · wasps 3.0 · beetles 3.0

▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus pensylvanicus* S2

NY BEES: (19) *Anthophora ursina*; *Bombus affinis*; *Bombus auricomus*; *Bombus bifarius*; *Bombus bimaculatus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus vagans*; *Ceratina dupla*; *Florilegus condignus*; *Lasioglossum albipenne*; *Nomada denticulata*; *Sphecodes minor*; *Tripeolus cressonii*; *Tripeolus donatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (1) *Limenitis archippus*

NY FLIES: (5) *Chalcosyrphus nemorum*; *Epistrophe emarginata*; *Morellia micans*; *Phasia robertsonii*; *Thaumatomyia glabra*

NY WASPS: (3) *Anoplius illinoensis*; *Anoplius virginensis*; *Cerceris insolita*

NY BEETLES: (3) *Anthrenus museorum*; *Strangalia famelica*; *Typocerus lugubris*

Coral Honeysuckle *Lonicera sempervirens*

Q3 · May–Oct

NA **54** NY **40** (10 georef. +30 range) bees 17.0 · butterflies 9.0 · moths 3.0 · flies 1.0 · wasps 6.0 · beetles 2.0

▲ **AT-RISK BEES:** *Andrena helianthi* S1S2, *Bombus pensylvanicus* S2

LARVAL HOST: Spring Azure (honeysuckle)

NY BEES: (17) *Andrena helianthi*; *Andrena milwaukeeensis*; *Andrena miserabilis*; *Andrena pruni*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus impatiens*; *Bombus pensylvanicus*; *Ceratina dupla*; *Melissodes agilis*; *Melissodes bimaculatus*; *Nomada affabilis*; *Osmia conjuncta*; *Sphecodes illinoensis*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (12) *Atteva aurea*; *Danaus plexippus*; *Erynnis funeralis*; *Heliconius charithonia*; *Hemaris diffinis*; *Hemaris thysbe*; *Papilio canadensis*; *Papilio troilus*; *Phoebis philea*; *Phoebis sennae*; *Phyciodes tharos*; *Strymon melinus*

NY FLIES: (1) *Toxomerus geminatus*

NY WASPS: (6) *Ancistrocerus unifasciatus*; *Monobia quadridens*; *Pachodynerus erynnis*; *Polistes dominula*; *Scolia nobilitata*; *Vespula maculifrons*

NY BEETLES: (2) *Anoplodera pubera*; *Valgus canaliculatus*

Blue Sage *Salvia azurea*

Q2,Q3 · Sep–Oct

NA **51** NY **39** (22 georef. +17 range) bees 16.0 · butterflies 12.0 · moths 3.0 · flies 1.0 · wasps 3.0 · beetles 0.0

▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3

NY BEES: (16) *Agapostemon virescens*; *Anthophora terminalis*; *Anthophora walshii*; *Apis mellifera*; *Augochlora pura*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus huntii*; *Bombus impatiens*; *Bombus occidentalis*; *Bombus pensylvanicus*; *Melissodes bimaculatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (15) *Atrytone arogos*; *Atteva aurea*; *Cisseps fulvicollis*; *Cupido comyntas*; *Danaus plexippus*; *Dione vanillae*; *Epargyreus clarus*; *Hemiargus ceraunus*; *Lerema accius*; *Lon zabulon*; *Papilio glaucus*; *Pieris rapae*; *Spoladea recurvalis*; *Urbanus proteus*; *Vanessa cardui*

NY FLIES: (1) *Eristalis arbustorum*

NY WASPS: (3) *Cerceris insolita*; *Euodynerus foraminatus*; *Parancistrocerus perennis*

Atlantic Camas *Camassia scilloides*

Q3,Q4 · Apr–May

NA **50** NY **37** (0 georef. +37 range) bees 19.0 · butterflies 2.0 · moths 1.0 · flies 3.0 · wasps 5.0 · beetles 2.0

▲ **AT-RISK BEES:** *Bombus fervidus* S3

NY BEES: (19) *Agapostemon texanus*; *Agapostemon virescens*; *Andrena accepta*; *Andrena andreoides*; *Apis mellifera*; *Bombus bimaculatus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Ceratina calcarata*; *Ceratina dupla*; *Coelioxys rufitarsis*; *Halictus confusus*; *Melissodes desponsus*; *Melissodes vernoniae*; *Osmia bucephala*; *Osmia lignaria*; *Stelis lateralis*; *Tripeolus cressonii*

NY BUTTERFLIES & MOTHS: (3) *Calycopis cecrops*; *Cupido comyntas*; *Pseudothyris sepulchralis*

NY FLIES: (3) *Epistrophe emarginata*; *Helophilus fasciatus*; *Myospila meditabunda*

NY WASPS: (5) *Anoplius illinoensis*; *Bicyrtes ventralis*; *Camponotus subbarbatus*; *Eumenes fraternus*; *Tachytes aurulentus*

NY BEETLES: (2) *Acmaeodera tubulus*; *Strangalia famelica*

Lewis Flax *Linum lewisii*

Q2,Q3 · May–Jul

NA **50** NY **23** (0 georef. +23 range) bees 14.0 · butterflies 4.0 · moths 0.0 · flies 5.0 · wasps 0.0 · beetles 0.0

▲ **AT-RISK BEES:** *Andrena miranda* S2S3, *Bombus fervidus* S3, *Megachile melanophaea* S2S3

NY BEES: (14) *Agapostemon texanus*; *Agapostemon virescens*; *Andrena accepta*; *Andrena miranda*; *Apis mellifera*; *Bombus fervidus*; *Bombus huntii*; *Bombus rufocinctus*; *Bombus vosnesenskii*; *Halictus rubicundus*; *Hoplitis producta*; *Hylaeus modestus*; *Lasioglossum zonulum*; *Megachile melanophaea*; *Megachile rotundata*

NY BUTTERFLIES & MOTHS: (4) *Glaucopsyche lygdamus*; *Mitoura gryneus*; *Nathalis iole*; *Thymelicus lineola*

NY FLIES: (5) *Bombylius major*; *Eupeodes perplexus*; *Eupeodes volucris*; *Helophilus hybridus*; *Toxomerus marginatus*

New England Blazing Star *Liatris scariosa*

Q2 · Aug–Sep

NA **48** NY **40** (9 georef. +31 range) bees 17.0 · butterflies 11.0 · moths 2.0 · flies 3.0 · wasps 3.0 · beetles 2.0

▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus pensylvanicus* S2

NY BEES: (17) *Andrena pruni*; *Anthidium manicatum*; *Apis mellifera*; *Bombus fervidus*; *Bombus impatiens*; *Bombus pensylvanicus*; *Ceratina dupla*; *Epeolus bifasciatus*; *Megachile latimanus*; *Melissodes agilis*; *Nomada integerrima*; *Pseudopanurgus labrosiformis*; *Pseudopanurgus labrosus*; *Sphecodes pimpinellae*; *Tripeolus cressonii*; *Tripeolus helianthi*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (13) *Argynnis cybele*; *Cercyonis pegala*; *Colias philodice*; *Danaus plexippus*; *Helicoverpa zea*; *Hesperia leonardus*; *Hylephila phyleus*; *Limnitis archippus*; *Lon zabulon*; *Noctua pronuba*; *Papilio troilus*; *Polites peckius*; *Vanessa virginensis*

NYC MICRO-PAIRIE HABITAT MATRIX



NY FLIES: (3) *Eupeodes americanus*; *Morellia micans*; *Toxomerus marginatus*
NY WASPS: (3) *Ammophila kennedyi*; *Euodynerus hidalgo*; *Zethus spinipes*
NY BEETLES: (2) *Anoploclera pubera*; *Typocerus lugubris*

Prairie Ironweed *Vernonia fasciculata*

Q4 • Jul-Sep

NA **47** NY **33** (1 georef. +32 range) bees 15.0 • butterflies 8.0 • moths 1.0 • flies 2.0 • wasps 3.0 • beetles 2.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

SPECIALIST *Melissodes desponsus*, *Perdita octomaculata*

NY BEES: (15) *Agapostemon virescens*; *Andrena carlini*; *Andrena pruni*; *Apis mellifera*; *Bombus affinis*; *Bombus griseocollis*; *Bombus pensylvanicus*; *Bombus perplexus*; *Melissodes bimaculatus*; *Melissodes dentiventris*; *Melissodes trinodis*; *Perdita boltoniae*; *Sphecodes confertus*; *Sphecodes dichrous*; *Triepeolus remigatus*
NY BUTTERFLIES & MOTHS: (9) *Abaeis nicippe*; *Atalopedes huron*; *Danaus plexippus*; *Epargyreus clarus*; *Papilio glaucus*; *Phyciodes tharos*; *Polites peckius*; *Pontia protodice*; *Xylophanes tersa*
NY FLIES: (2) *Musca domestica*; *Senotainia trilineata*
NY WASPS: (3) *Oxybelus emarginatus*; *Polistes fuscatus*; *Scolia nobilitata*
NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Euphoria fulgida*

Red Columbine *Aquilegia canadensis*

Q4 • Apr-Jun

NA **46** NY **30** (7 georef. +23 range) bees 15.0 • butterflies 3.0 • moths 2.0 • flies 4.0 • wasps 2.0 • beetles 0.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus terricola* S3

LARVAL HOST: Columbine Duskywing

NY BEES: (15) *Agapostemon texanus*; *Apis mellifera*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus pensylvanicus*; *Bombus terricola*; *Bombus vagans*; *Bombus vosnesenskii*; *Ceratina dupla*; *Lasioglossum cinctipes*; *Megachile mendica*; *Triepeolus simplex*; *Xylocopa virginica*
NY BUTTERFLIES & MOTHS: (5) *Agrotis ipsilon*; *Papilio canadensis*; *Papilio cressphontes*; *Papilio troilus*; *Synanthedon acerrubri*
NY FLIES: (4) *Blaesoxipha hunteri*; *Cynomya cadaverina*; *Myospila meditabunda*; *Sarcophaga sinuata*
NY WASPS: (2) *Anoplius illinoensis*; *Isodontia apicalis*

Dwarf Blue Wild Indigo *Baptisia australis*

Q2 • May-Jun

NA **45** NY **43** (29 georef. +14 range) bees 27.0 • butterflies 11.0 • moths 1.0 • flies 3.0 • wasps 0.0 • beetles 0.0
▲ **AT-RISK BEES:** *Bombus borealis* S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2, *Megachile melanophaea* S2S3

LARVAL HOST: Frosted Elfin / Persius Duskywing (occasional)

NY BEES: (27) *Andrena wilkella*; *Anthidium manicatum*; *Anthophora ursina*; *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus vagans*; *Eucera hamata*; *Lasioglossum imitatum*; *Lasioglossum pilosum*; *Megachile addenda*; *Megachile latimanus*; *Megachile melanophaea*; *Megachile mucida*; *Megachile sculpturalis*; *Megachile texana*; *Osmia bucephala*; *Xylocopa virginica*
NY BUTTERFLIES & MOTHS: (12) *Atalopedes huron*; *Autographa precatonensis*; *Cecropterus pylades*; *Epargyreus clarus*; *Erynnis baptisiae*; *Lon hobomok*; *Lon zabulon*; *Papilio canadensis*; *Papilio polyxenes*; *Pieris rapae*; *Polites peckius*; *Vanessa atalanta*
NY FLIES: (3) *Eristalis arbustorum*; *Toxomerus geminatus*; *Toxomerus marginatus*

Hyssop-leaved Thoroughwort *Eupatorium hyssopifolium*

Q3 • Aug-Oct

NA **43** NY **42** (17 georef. +25 range) bees 3.0 • butterflies 11.0 • moths 2.0 • flies 3.0 • wasps 17.0 • beetles 4.0
NY BEES: (3) *Apis mellifera*; *Bombus impatiens*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (13) *Ancyloxypha numitor*; *Atalopedes huron*; *Atteva aurea*; *Calycopis cecrops*; *Cisseps fulvicollis*; *Cyaniris neglecta*; *Danaus plexippus*; *Hylephila phyleus*; *Junonia coenia*; *Papilio glaucus*; *Phyciodes tharos*; *Strymon melinus*; *Vanessa cardui*

NY FLIES: (3) *Physocephala tibialis*; *Syrphoctonus pipiens*; *Toxomerus geminatus*

NY WASPS: (17) *Ancistrocerus capra*; *Bicyrtes quadrifasciatus*; *Ceropales bipunctata*; *Dolichovespula maculata*; *Eremnophila aureonotata*; *Eumenes fraternus*; *Euodynerus foraminatus*; *Monobia quadridens*; *Myzinum quinquecinctum*; *Philanthus gibbosus*; *Philanthus ventralis*; *Polistes dorsalis*; *Polistes fuscatus*; *Scolia dubia*; *Sphex ichneumoneus*; *Sphex pensylvanicus*; *Vespula vidua*

NY BEETLES: (4) *Chauliognathus pensylvanicus*; *Coccinella septempunctata*; *Harmonia axyridis*; *Megacyllene robiniae*

Prairie Rose *Rosa setigera*

Q1 • Jun-Aug

NA **43** NY **36** (2 georef. +34 range) bees 17.0 • butterflies 2.0 • moths 1.0 • flies 4.0 • wasps 4.0 • beetles 7.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

NY BEES: (17) *Agapostemon virescens*; *Andrena miserabilis*; *Andrena personata*; *Andrena salicaria*; *Apis mellifera*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Hoplitis spoliata*; *Melissodes dentiventris*; *Nomada integerrima*; *Nomada luteoloides*; *Osmia atriventris*; *Pseudopanurgus labrosus*; *Sphecodes pimpinellae*; *Triepeolus donatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (3) *Chlosyne nycteis*; *Erynnis brizo*; *Xylophanes tersa*

NY FLIES: (4) *Cynomya cadaverina*; *Milesia virginensis*; *Phormia regina*; *Toxomerus marginatus*

NY WASPS: (4) *Anoplius illinoensis*; *Cerceris bicornuta*; *Eumenes fraternus*; *Isodontia apicalis*

NY BEETLES: (7) *Chauliognathus marginatus*; *Euphoria fulgida*; *Popillia japonica*; *Strangalia famelica*; *Strangalia luteicornis*; *Trichodes nuttalli*; *Typocerus velutinus*



Rough Blazing Star *Liatris aspera*

Q2,Q3 · Aug-Sep

NA **40** NY **39** (6 georef. +33 range) bees 14.0 · butterflies 16.0 · moths 4.0 · flies 2.0 · wasps 0.0 · beetles 2.0
▲ **AT-RISK BEES:** *Bombus citrinus* S2S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2

NY BEES: (14) *Agapostemon splendens*; *Anthidium manicatum*; *Bombus affinis*; *Bombus auricomus*; *Bombus citrinus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus vagans*; *Megachile latimanus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (20) *Argynnis aphrodite*; *Argynnis cybele*; *Atalopodes huron*; *Atrytone arogos*; *Cisseps fulvicollis*; *Colias eurytheme*; *Danaus plexippus*; *Euptoieta claudia*; *Feltia jaculifera*; *Helicoverpa zea*; *Hesperia leonardus*; *Hylephila phyleus*; *Lon zabulon*; *Papilio glaucus*; *Pieris rapae*; *Polites peckius*; *Polites themistocles*; *Pyrausta inornatalis*; *Vanessa cardui*; *Vanessa virginiensis*

NY FLIES: (2) *Syrirta pipiens*; *Toxomerus marginatus*

NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Diabrotica barberi*

Showy Tick-trefoil *Desmodium canadense*

Q2 · Jul-Sep

NA **39** NY **32** (9 georef. +23 range) bees 17.0 · butterflies 6.0 · moths 0.0 · flies 1.0 · wasps 4.0 · beetles 4.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus borealis* S3

SPECIALIST *Melissodes desponsus* **LARVAL HOST:** Hoary Edge (*Desmodium* host)

NY BEES: (17) *Agapostemon texanus*; *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus vagans*; *Halictus ligatus*; *Megachile sculpturalis*; *Melissodes bimaculatus*; *Melissodes desponsus*; *Sphecodes heraclei*; *Stelis foederalis*

NY BUTTERFLIES & MOTHS: (6) *Colias philodice*; *Cupido comyntas*; *Epargyreus clarus*; *Erynnis horatius*; *Euphydryas phaeton*; *Strymon melinus*

NY FLIES: (1) *Ocyptamus costatus*

NY WASPS: (4) *Anoplius illinoensis*; *Anoplius virginensis*; *Scolia nobilitata*; *Tachytes chrysopyga*

NY BEETLES: (4) *Anomoea laticlavata*; *Chauliognathus pensylvanicus*; *Onthophagus pennsylvanicus*; *Popillia japonica*

Prairie Phlox *Phlox pilosa*

Q1 · May-Jul

NA **39** NY **27** (1 georef. +26 range) bees 11.0 · butterflies 5.0 · moths 2.0 · flies 3.0 · wasps 2.0 · beetles 3.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus borealis* S3
Nomada cressonii; *Nomada denticulata*; *Triepeolus cressonii*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (7) *Amphion floridensis*; *Atrytonopsis hianna*; *Cisseps fulvicollis*; *Epargyreus clarus*; *Papilio cresphontes*; *Polites peckius*; *Vanessa virginiensis*

NY FLIES: (3) *Olcella trigramma*; *Orthonevra nitida*; *Toxomerus politus*

NY WASPS: (2) *Ichneumon ambulatorius*; *Tachysphex acutus*

NY BEETLES: (3) *Acmaeodera tubulus*; *Photinus pyralis*; *Typocerus zebra*

Saltmarsh Aster *Symphyotrichum subulatum*

Q4 · Sep-Oct

NA **37** NY **29** (3 georef. +26 range) bees 5.0 · butterflies 17.0 · moths 1.0 · flies 3.0 · wasps 1.0 · beetles 2.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

SPECIALIST *Andrena asteris*, *Andrena hirticincta*, *Colletes compactus* **LARVAL HOST:** Pearl Crescent

NY BEES: (5) *Apis mellifera*; *Bombus impatiens*; *Bombus pensylvanicus*; *Halictus ligatus*; *Melissodes dentiventris*

NY BUTTERFLIES & MOTHS: (18) *Abaeis nicippe*; *Anartia jatrophae*; *Ancyloxypha numitor*; *Cecropterus dorantes*; *Cisseps fulvicollis*; *Colias eurytheme*; *Danaus gilippus*; *Danaus plexippus*; *Dione vanillae*; *Eurema lisa*; *Hemiargus ceraunus*; *Hylephila phyleus*; *Libytheana carinenta*; *Nathalis iole*; *Phyciodes tharos*; *Pontia protodice*; *Strymon melinus*; *Vanessa virginiensis*

NY FLIES: (3) *Eristalis dimidiata*; *Pseudodoros clavatus*; *Syrirta pipiens*

NY WASPS: (1) *Eumenes fraternus*

NY BEETLES: (2) *Chauliognathus pensylvanicus*; *Diabrotica undecimpunctata*

Sundial Lupine *Lupinus perennis*

Q3 · May-Jun

NA **37** NY **36** (14 georef. +22 range) bees 22.0 · butterflies 10.0 · moths 1.0 · flies 0.0 · wasps 1.0 · beetles 2.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus borealis* S3

LARVAL HOST: Karner Blue (extirpated locally), Frosted Elf, Persius Duskywing

NY BEES: (22) *Andrena wilkella*; *Anthidium oblongatum*; *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus vosnesenskii*; *Colletes inaequalis*; *Megachile addenda*; *Osmia atriventris*; *Osmia bucephala*; *Osmia inspergens*; *Osmia lignaria*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (11) *Callophrys irus*; *Danaus plexippus*; *Erynnis baptisiae*; *Erynnis juvenalis*; *Hesperia sassacus*; *Incalia nippon*; *Limenitis archippus*; *Lycaena hypophylaeas*; *Plebejus samuelis*; *Polites peckius*; *Tetracis cachexiata*

NY WASPS: (1) *Formica incerta*

NY BEETLES: (2) *Atalantycha bilineata*; *Lytta sayi*



Bradbury's Beebalm *Monarda bradburiana*

Q2 · May–Jun

NA **36** NY **22** (0 georef. +22 range) bees 10.0 · butterflies 0.0 · moths 0.0 · flies 3.0 · wasps 3.0 · beetles 2.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

SPECIALIST *Dufourea monardae*, *Melissodes desponsus*, *Peponapis pruinosa*

NY BEES: (10) *Andrena miserabilis*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus pensylvanicus*; *Ceratina dupla*; *Epeolus pusillus*; *Halictus rubicundus*; *Hylaeus sparsus*; *Nomada luteoloides*; *Sphecodes illinoensis*

NY FLIES: (3) *Dilophus serotinus*; *Milesia virginensis*; *Sarcophaga africa*

NY WASPS: (3) *Ammophila procera*; *Eumenes fraternus*; *Scolia nobilitata*

NY BEETLES: (2) *Batyte suturalis*; *Strangalia famelica*

Meadow Blazing Star *Liatris ligulistylis*

Q2,Q3 · Aug–Sep

NA **35** NY **33** (3 georef. +30 range) bees 18.0 · butterflies 10.0 · moths 2.0 · flies 1.0 · wasps 1.0 · beetles 1.0
▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus citrinus* S2S3, *Bombus terricola* S3, *Bombus borealis* S3

NY BEES: (18) *Bombus affinis*; *Bombus bimaculatus*; *Bombus borealis*; *Bombus citrinus*; *Bombus fervidus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus huntii*; *Bombus impatiens*; *Bombus nevadensis*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Megachile latimanus*; *Melissodes bimaculatus*; *Melissodes trinodis*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (12) *Argynnis aphrodite*; *Argynnis cybele*; *Atalopedes huron*; *Cercyonis pegala*; *Ciseps fulvicollis*; *Danaus plexippus*; *Epargyreus clarus*; *Helicoverpa zea*; *Papilio glaucus*; *Pholisora catullus*; *Polites peckius*; *Thymelicus lineola*

NY FLIES: (1) *Eristalis tenax*

NY WASPS: (1) *Polistes dominula*

NY BEETLES: (1) *Diabrotica cristata*

Shrubby St. John's Wort *Hypericum prolificum*

Q3 · Jul–Aug

NA **35** NY **35** (15 georef. +20 range) bees 24.0 · butterflies 2.0 · moths 1.0 · flies 7.0 · wasps 1.0 · beetles 0.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2, *Bombus terricola* S3

NY BEES: (24) *Agapostemon virescens*; *Apis mellifera*; *Augochlorella aurata*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus perplexus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus terricola*; *Bombus vagans*; *Ceratina calcarata*; *Halictus ligatus*; *Hylaeus modestus*; *Hylaeus ornatus*; *Lasioglossum ephialtum*; *Lasioglossum hitchensi*; *Megachile mendica*; *Megachile texana*; *Melissodes bimaculatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (3) *Anania funebris*; *Phoebis sennae*; *Pieris rapae*

NY FLIES: (7) *Didea fuscipes*; *Eristalis tenax*; *Eristalis transversa*; *Mallota posticata*; *Milesia virginensis*; *Physocephala furcillata*; *Physocephala sagittaria*

NY WASPS: (1) *Dolichovespula arenaria*

Dwarf American Persimmon *Diospyros virginiana*

Q3 · May–Jun

NA **33** NY **20** (1 georef. +19 range) bees 6.0 · butterflies 0.0 · moths 0.0 · flies 3.0 · wasps 3.0 · beetles 3.0
NY BEES: (6) *Anthophora abrupta*; *Bombus griseocollis*; *Bombus impatiens*; *Florilegus condignus*; *Pseudopanurgus parvus*; *Sphecodes pimplinellae*

NY FLIES: (3) *Ocyptamus costatus*; *Pipiza femoralis*; *Xylota angustiventris*

NY WASPS: (3) *Anoplius illinoensis*; *Entypus unifasciatus*; *Scolia nobilitata*

NY BEETLES: (3) *Anoplodera pubera*; *Anthrenus museorum*; *Valgus canaliculatus*

Violet Wood-sorrel *Oxalis violacea*

Q2 · Apr–Jun

NA **31** NY **20** (0 georef. +20 range) bees 8.0 · butterflies 1.0 · moths 0.0 · flies 2.0 · wasps 4.0 · beetles 2.0
NY BEES: (8) *Andrena pruni*; *Bombus ternarius*; *Ceratina dupla*; *Lasioglossum albipenne*; *Nomada integerrima*; *Osmia bucephala*; *Sphecodes illinoensis*; *Triepeolus helianthi*

NY BUTTERFLIES & MOTHS: (1) *Limenitis archippus*

NY FLIES: (2) *Meromyza americana*; *Volucella bombylans*

NY WASPS: (4) *Hedychrum violaceum*; *Ichneumon ambulatorius*; *Sapyga centrata*; *Tachytes chrysopyga*

NY BEETLES: (2) *Euphoria fulgida*; *Strangalia famelica*

Ohio Spiderwort *Tradescantia ohiensis*

Q3 · May–Jul

NA **30** NY **25** (5 georef. +20 range) bees 14.0 · butterflies 5.0 · moths 1.0 · flies 4.0 · wasps 0.0 · beetles 1.0
NY BEES: (14) *Agapostemon splendens*; *Agapostemon virescens*; *Anthophora terminalis*; *Apis mellifera*; *Bombus affinis*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus vagans*; *Ceratina calcarata*; *Eucera hamata*; *Melissodes communis*; *Pseudoanthidium nanum*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (6) *Epargyreus clarus*; *Estigmene acrea*; *Lon hobomok*; *Lon zabulon*; *Papilio glaucus*; *Polites peckius*

NY FLIES: (4) *Eupeodes americanus*; *Ocyptamus fuscipennis*; *Rhingia nasica*; *Toxomerus marginatus*

NY BEETLES: (1) *Malachius aeneus*



Moss Phlox *Phlox subulata*

Q2,Q3,Q4 · Apr–May

NA **26** NY **26** (14 georef. +12 range) bees 4.0 · butterflies 10.0 · moths 5.0 · flies 3.0 · wasps 0.0 · beetles 3.0
▲ **AT-RISK BEES:** *Bombus borealis* S3

NY BEES: (4) *Apis mellifera*; *Bombus borealis*; *Halictus rubicundus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (15) *Amphion floridensis*; *Danaus plexippus*; *Hemaris diffinis*; *Hemaris gracilis*; *Hemaris thysbe*; *Lycaena hypophlaeas*; *Nymphalis antiopa*; *Papilio canadensis*; *Papilio glaucus*; *Papilio polyxenes*; *Papilio troilus*; *Pieris rapae*; *Psychomorpha epimenis*; *Vanessa atalanta*; *Vanessa virginiensis*

NY FLIES: (3) *Bombylius major*; *Eupeodes americanus*; *Toxomerus geminatus*

NY BEETLES: (3) *Adalia bipunctata*; *Gibbobruchus mimus*; *Tricrania sanguinipennis*

Prairie Cinquefoil *Drymocallis arguta*

Q2,Q3 · Jun–Jul

NA **22** NY **18** (2 georef. +16 range) bees 11.0 · butterflies 2.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 3.0
▲ **AT-RISK BEES:** *Andrena miranda* S2S3

NY BEES: (11) *Agapostemon virescens*; *Andrena commoda*; *Andrena miranda*; *Andrena nasonii*; *Andrena vicina*; *Bombus bifarius*; *Bombus griseocollis*; *Ceratina dupla*; *Halictus confusus*; *Hylaeus affinis*; *Hylaeus annulatus*

NY BUTTERFLIES & MOTHS: (2) *Incisalia nippon*; *Vanessa virginiensis*

NY BEETLES: (3) *Diabrotica cristata*; *Strigoderma arctica*; *Trichiotinus assimilis*

Common Blue Violet *Viola sororia*

Q1,Q2,Q3 · Apr–Jun

NA **21** NY **21** (4 georef. +17 range) bees 10.0 · butterflies 9.0 · moths 0.0 · flies 2.0 · wasps 0.0 · beetles 0.0
▲ **AT-RISK BEES:** *Osmia simillima* S1S2

LARVAL HOST: *Aphrodite*, *Atlantis*, *Meadow Fritillary*

NY BEES: (10) *Andrena violae*; *Anthophora villosula*; *Apis mellifera*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus vagans*; *Osmia atriventris*; *Osmia conjuncta*; *Osmia simillima*

NY BUTTERFLIES & MOTHS: (9) *Anthocharis midea*; *Burnsius communis*; *Callophrys henrici*; *Erynnis brizo*; *Erynnis juvenalis*; *Papilio glaucus*; *Pieris rapae*; *Pieris virginiensis*; *Vanessa virginiensis*

NY FLIES: (2) *Bombylius major*; *Toxomerus geminatus*

Lyreleaf Sage *Salvia lyrata*

Q1,Q3 · Apr–Jun

NA **21** NY **19** (3 georef. +16 range) bees 6.0 · butterflies 10.0 · moths 2.0 · flies 1.0 · wasps 0.0 · beetles 0.0
▲ **AT-RISK BEES:** *Bombus pensylvanicus* S2

NY BEES: (6) *Apis mellifera*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Habropoda laboriosa*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (12) *Battus philenor*; *Danaus plexippus*; *Dione vanillae*; *Eurema daira*; *Hemaris diffinis*; *Hemaris thysbe*; *Papilio cresphontes*; *Papilio glaucus*; *Papilio palamedes*; *Papilio polyxenes*; *Papilio troilus*; *Phoebis sennae*

NY FLIES: (1) *Toxomerus marginatus*

Purple Poppy-mallow *Callirhoe involucrata*

Q1,Q3 · May–Aug

NA **21** NY **15** (2 georef. +13 range) bees 8.0 · butterflies 3.0 · moths 1.0 · flies 1.0 · wasps 0.0 · beetles 1.0

NY BEES: (8) *Agapostemon virescens*; *Apis mellifera*; *Bombus bimaculatus*; *Bombus griseocollis*; *Bombus impatiens*; *Ceratina strenua*; *Melissodes bimaculatus*; *Xylocopa virginica*

NY BUTTERFLIES & MOTHS: (4) *Atalopedes huron*; *Burnsius communis*; *Lerema accius*; *Spodoptera ornithogalli*

NY FLIES: (1) *Orthonevra nitida*

NY BEETLES: (1) *Popillia japonica*

Small Skullcap *Scutellaria parvula*

Q3 · May–Jul

NA **20** NY **12** (0 georef. +12 range) bees 5.0 · butterflies 0.0 · moths 0.0 · flies 2.0 · wasps 1.0 · beetles 1.0

NY BEES: (5) *Andrena krigiana*; *Augochlorella persimilis*; *Calliopsis andreniformis*; *Peponapis pruinosa*; *Pseudopanurgus labrosiformis*

NY FLIES: (2) *Phormia regina*; *Toxomerus politus*

NY WASPS: (1) *Anoplius illinoensis*

NY BEETLES: (1) *Strangalia famelica*

Western Sunflower *Helianthus occidentalis*

Q2,Q3 · Jul–Sep

NA **18** NY **15** (0 georef. +15 range) bees 7.0 · butterflies 4.0 · moths 1.0 · flies 1.0 · wasps 1.0 · beetles 1.0
SPECIALIST *Andrena helianthi*, *Peponapis pruinosa*, *Pseudopanurgus rudbeckiae* **LARVAL HOST:** *Silvery Checkerspot*

NY BEES: (7) *Bombus affinis*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus ternarius*; *Halictus ligatus*; *Melissodes agilis*; *Perdita pallidipennis*

NY BUTTERFLIES & MOTHS: (5) *Colias eurytheme*; *Colias philodice*; *Danaus plexippus*; *Feltia herilis*; *Polites peckius*

NY FLIES: (1) *Spartanopolis confusus*

NY WASPS: (1) *Ectemnius rufifemur*

NY BEETLES: (1) *Chauiognathus pensylvanicus*



Serviceberry *Amelanchier alnifolia*

Q4 · Apr

NA **18** NY **13** (0 georef. +13 range) bees 7.0 · butterflies 2.0 · moths 0.0 · flies 2.0 · wasps 0.0 · beetles 0.0
NY BEES: (7) *Andrena milwaukeensis*; *Apis mellifera*; *Bombus appositus*; *Bombus insularis*; *Bombus nevadensis*; *Bombus rufocinctus*; *Halictus rubicundus*
NY BUTTERFLIES & MOTHS: (2) *Clossiana toddi*; *Papilio zelicaon*
NY FLIES: (2) *Lucilia illustris*; *Toxomerus marginatus*

Sky Blue Aster *Symphyotrichum oolentangiense*

Q3 · Sep-Oct

NA **17** NY **17** (1 georef. +16 range) bees 6.0 · butterflies 3.0 · moths 0.0 · flies 5.0 · wasps 0.0 · beetles 1.0
▲ **AT-RISK BEES:** *Andrena asteris* S3?
SPECIALIST *Andrena asteris*, *Andrena hirticincta*, *Colletes compactus* **LARVAL HOST:** Pearl Crescent
NY BEES: (6) *Agapostemon virescens*; *Andrena asteris*; *Bombus impatiens*; *Lasioglossum zephyrum*; *Melissodes dentiventris*; *Melissodes druriellus*
NY BUTTERFLIES & MOTHS: (3) *Danaus plexippus*; *Tharsalea hyllus*; *Vanessa cardui*
NY FLIES: (5) *Cochliomyia macellaria*; *Eristalis arbustorum*; *Eristalis tenax*; *Helophilus fasciatus*; *Toxomerus marginatus*
NY BEETLES: (1) *Diabrotica undecimpunctata*

Hoary Skullcap *Scutellaria incana*

Q2 · Jun-Aug

NA **16** NY **16** (8 georef. +8 range) bees 9.0 · butterflies 2.0 · moths 3.0 · flies 1.0 · wasps 0.0 · beetles 0.0
▲ **AT-RISK BEES:** *Bombus fervidus* S3, *Bombus pensylvanicus* S2
NY BEES: (9) *Anthidium manicatum*; *Anthophora terminalis*; *Apis mellifera*; *Bombus fervidus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus vagans*; *Xylocopa virginica*
NY BUTTERFLIES & MOTHS: (5) *Amphion floridensis*; *Ancyloxypha numitor*; *Hemaris diffinis*; *Lon zabulon*; *Pyrausta signatalis*
NY FLIES: (1) *Toxomerus marginatus*

Prairie Onion *Allium stellatum*

Q2 · Aug-Sep

NA **14** NY **14** (0 georef. +14 range) bees 12.0 · butterflies 2.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 0.0
▲ **AT-RISK BEES:** *Bombus citrinus* S2S3, *Bombus pensylvanicus* S2
NY BEES: (12) *Apis mellifera*; *Bombus affinis*; *Bombus auricomus*; *Bombus bimaculatus*; *Bombus citrinus*; *Bombus fraternus*; *Bombus griseocollis*; *Bombus impatiens*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Colletes kincaidii*; *Halictus confusus*
NY BUTTERFLIES & MOTHS: (2) *Atalopedes huron*; *Satyrion titus*

Indiangrass *Sorghastrum nutans*

Q3 · Aug-Sep

NA **12** NY **12** (1 georef. +11 range) bees 3.0 · butterflies 1.0 · moths 0.0 · flies 0.0 · wasps 2.0 · beetles 3.0
LARVAL HOST: grass-skippers (general)
NY BEES: (3) *Bombus griseocollis*; *Bombus impatiens*; *Melissodes bimaculatus*
NY BUTTERFLIES & MOTHS: (1) *Atrytone arogos*
NY WASPS: (2) *Monomorium carbonarium*; *Polistes dominula*
NY BEETLES: (3) *Cycloneda munda*; *Hippodamia parenthesis*; *Hippodamia variegata*

Tall Larkspur *Delphinium exaltatum*

Q2,Q3,Q4 · Jul-Aug

NA **11** NY **11** (3 georef. +8 range) bees 10.0 · butterflies 1.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 0.0
▲ **AT-RISK BEES:** *Bombus borealis* S3, *Bombus fervidus* S3, *Bombus pensylvanicus* S2
NY BEES: (10) *Bombus affinis*; *Bombus appositus*; *Bombus borealis*; *Bombus fervidus*; *Bombus insularis*; *Bombus pensylvanicus*; *Bombus rufocinctus*; *Bombus ternarius*; *Bombus vagans*; *Megachile sculpturalis*
NY BUTTERFLIES & MOTHS: (1) *Vanessa virginiensis*

Heart-leaved Golden Alexanders *Zizia aptera*

Q2 · Apr-Jun

NA **10** NY **10** (1 georef. +9 range) bees 5.0 · butterflies 3.0 · moths 0.0 · flies 1.0 · wasps 0.0 · beetles 1.0
SPECIALIST *Andrena ziziae* **LARVAL HOST:** Black Swallowtail
NY BEES: (5) *Andrena alleghaniensis*; *Apis mellifera*; *Ceratina strenua*; *Hylaeus affinis*; *Hylaeus basalis*
NY BUTTERFLIES & MOTHS: (3) *Coenonympha californica*; *Colias philodice*; *Incisalia niphon*
NY FLIES: (1) *Syrirta pipiens*
NY BEETLES: (1) *Anthrenus scrophulariae*



Aaron's Rod *Thermopsis villosa*

Q4 · May–Jun

NA **6** NY **6** (1 georef. [+5 range](#)) bees 4.0 · butterflies 0.0 · moths 0.0 · flies 1.0 · wasps 0.0 · beetles 0.0
▲ AT-RISK BEES: *Bombus fervidus* S3, *Bombus pensylvanicus* S2
NY BEES: (4) *Bombus fervidus*; *Bombus griseocollis*; *Bombus pensylvanicus*; *Xylocopa virginica*
NY FLIES: (1) *Allograpta obliqua*

Missouri Coneflower *Rudbeckia missouriensis*

Q3 · Jul–Sep

NA **5** NY **4** (0 georef. [+4 range](#)) bees 2.0 · butterflies 1.0 · moths 0.0 · flies 0.0 · wasps 1.0 · beetles 0.0
SPECIALIST *Melissodes coreopsis*, *Pseudopanurgus rudbeckiae* **LARVAL HOST:** Silvery Checkerspot
NY BEES: (2) *Calliopsis andreniformis*; *Halictus ligatus*
NY BUTTERFLIES & MOTHS: (1) *Junonia coenia*
NY WASPS: (1) *Euodynerus boscii*

Sideoats Grama *Bouteloua curtipendula*

Q1,Q2 · Jul–Sep

NA **3** NY **3** (0 georef. [+3 range](#)) bees 0.0 · butterflies 0.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 0.0
LARVAL HOST: grass-skippers (general)

Large-flowered Fameflower *Phemeranthus calycinus*

NA **2** NY **2** (0 georef. [+2 range](#)) bees 1.0 · butterflies 0.0 · moths 0.0 · flies 1.0 · wasps 0.0 · beetles 0.0
NY BEES: (1) *Melissodes bimaculatus*
NY FLIES: (1) *Toxomerus geminatus*

Glove Currant *Ribes odoratum*

Q4 · Apr–May

NA **1** NY **1** (0 georef. [+1 range](#)) bees 1.0 · butterflies 0.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 0.0
NY BEES: (1) *Bombus griseocollis*

Copper-shouldered Oval Sedge *Carex bicknellii*

Q4 · May–Jun

NA **1** NY **1** (0 georef. [+1 range](#)) bees 0.0 · butterflies 0.0 · moths 0.0 · flies 1.0 · wasps 0.0 · beetles 0.0
LARVAL HOST: Eyed Brown (*Carex*/sedge host)
NY FLIES: (1) *Toxomerus marginatus*

Fire Pink *Silene virginica*

Q2 · Apr–Jun

NA **1** NY **1** (0 georef. [+1 range](#)) bees 0.0 · butterflies 1.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 0.0
NY BUTTERFLIES & MOTHS: (1) *Papilio troilus*

Indian Pink *Spigelia marilandica*

Q2 · May–Jul

NA **1** NY **1** (0 georef. [+1 range](#)) bees 0.0 · butterflies 0.0 · moths 0.0 · flies 0.0 · wasps 1.0 · beetles 0.0
NY WASPS: (1) *Polistes dominula*

Mohr's Rosinweed *Silphium mohrii*

Q3 · Jul–Sep

NA **1** NY **1** (0 georef. [+1 range](#)) bees 1.0 · butterflies 0.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 0.0
NY BEES: (1) *Triepeolus lunatus*

Scarlet Catchfly *Silene subciliata*

Q2 · Aug–Oct

NA **1** NY **1** (0 georef. [+1 range](#)) bees 0.0 · butterflies 1.0 · moths 0.0 · flies 0.0 · wasps 0.0 · beetles 0.0
NY BUTTERFLIES & MOTHS: (1) *Phoebis sennae*



Copper Iris *Iris fulva*

Q4 • May

NA **0** NY **0** (0 georef. +0 range) bees 0.0 • butterflies 0.0 • moths 0.0 • flies 0.0 • wasps 0.0 • beetles 0.0

Prairie Junegrass *Koeleria macrantha*

Q3,Q4 • May–Jun

NA **0** NY **0** (0 georef. +0 range) bees 0.0 • butterflies 0.0 • moths 0.0 • flies 0.0 • wasps 0.0 • beetles 0.0
LARVAL HOST: grass-skipper (general)



Non-Native - Cultivar - Crop

Kept for the specialist-crop narrative (e.g. squash bees on Cucurbita). Not swept for visitor counts.

Autumn Sage <i>Salvia greggii</i>	Non-native
Great Burnet <i>Sanguisorba officinalis</i>	Non-native
Dwarf Sweet Cherry 'Lapins' <i>Prunus avium 'Lapins'</i> larval host: Eastern Tiger Swallowtail (<i>Prunus</i>)	Container fruit (non-native cultivar)
Dwarf Apricot 'Pixie-cot' <i>Prunus armeniaca 'Pixie-cot'</i>	Container fruit (non-native cultivar)
Dwarf Peach 'Bonanza' <i>Prunus persica 'Bonanza'</i>	Container fruit (non-native cultivar)
Black Currant 'Blackdown' <i>Ribes nigrum 'Blackdown'</i>	Container fruit (non-native cultivar)
Blackberry 'Baby Cakes' <i>Rubus 'Baby Cakes'</i>	Container fruit (non-native cultivar)
Red Raspberry 'Prelude' <i>Rubus idaeus 'Prelude'</i>	Container fruit (non-native cultivar)
Yellow Squash 'Cube of Butter' <i>Cucurbita pepo</i>	Non-native crop
Zucchini 'Costata Romanesco' <i>Cucurbita pepo</i>	Non-native crop
Arancino Sicilian Melon <i>Cucumis melo</i>	Non-native crop
Tomatoes (all types) <i>Solanum lycopersicum</i>	Non-native crop
Eggplant <i>Solanum melongena</i>	Non-native crop
Capsicum (pepper) <i>Capsicum annuum</i>	Non-native crop
Peas <i>Pisum sativum</i>	Non-native crop
Beans <i>Phaseolus sp.</i>	Non-native crop
Broccoli rabe (brassica) <i>Brassica rapa</i>	Non-native crop
Culinary Sage <i>Salvia officinalis</i>	Non-native herb
Culinary Hyssop <i>Hyssopus officinalis</i>	Non-native herb
English Thyme <i>Thymus vulgaris</i>	Non-native herb
Giant Basil <i>Ocimum basilicum</i>	Non-native herb



SOURCES



GLOBAL BIOTIC INTERACTIONS

every documented flower-visitor record, N. America

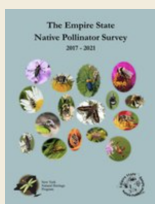
<https://www.globalbioticinteractions.org>



NY NATURAL HERITAGE PROGRAM

official S-ranks (S1–S3) behind the at-risk status

<https://www.nynhp.org>



EMPIRE STATE NATIVE POLLINATOR SURVEY

statewide at-risk pollinator assessment, 2021

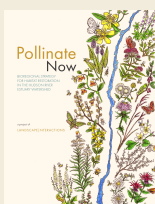
https://www.nynhp.org/documents/178/ESNPS_Final_Report_30June2022.pdf



POLLINATOR PARTNERSHIP

Northeast ecoregion native-planting guidance

<https://www.pollinator.org/guides>



POLLINATE NOW

Hudson Valley at-risk species focus

<https://www.landscapeinteractions.com/pollinatenow>



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VISUAL APPENDIX

The following pages reproduce the original July 2026 carousel as published.
Its shorthand — “vitalized,” “emboldened,” “supported” — refers to documented plant–visitor associations represented by the planting (database records), not necessarily to observations made in this garden.



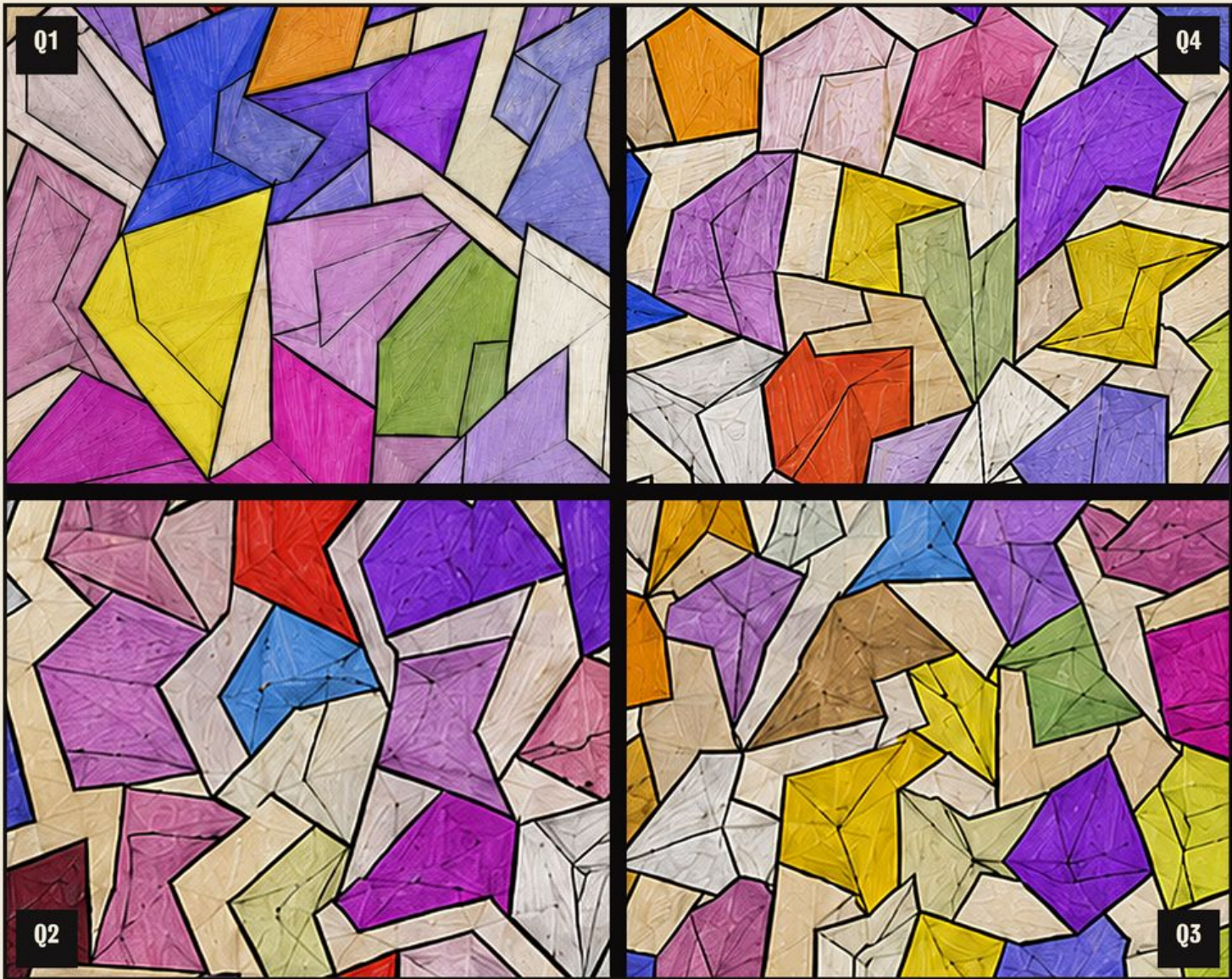
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COMMON MILKWEED **WHITE SNAKEROOT**
COMMON YARROW **PURPLE CONEFLOWER**
GRASS-LEAVED GOLDENROD **WILD BERGAMOT**
BUTTERFLY MILKWEED **BLUNT MOUNTAIN MINT**
SLENDER MOUNTAIN MINT **ANNUAL FLEABANE**
NEW ENGLAND ASTER **WILD STRAWBERRY**
GOLDEN ALEXANDERS **ANISE HYSSOP** **NEW JERSEY TEA**
BLUE VERVAIN **VIRGINIA MOUNTAIN MINT** **LANCELEAF COREOPSIS**
COMMON SNEEZEWEED **WILD GERANIUM** **CULVER'S ROOT**
DENSE BLAZING STAR **SPRING BEAUTY** **GRAY GOLDENROD**
OLD-FIELD WHITE ASTER **WHORLED MILKWEED** **SMOOTH BLUE ASTER**
GARDEN PHLOX **GRAY-HEADED CONEFLOWER** **OBEDIENT PLANT**
SWEET JOE-PYE WEED **AROMATIC ASTER** **HOARY VERVAIN**
NEW YORK IRONWEED **NORTHERN BLUE FLAG IRIS** **ANISE-SCENTED GOLDENROD**
FIELD THISTLE **ROBIN'S PLANTAIN** **PURPLE MILKWEED** **NODDING ONION**
COMMON EVENING PRIMROSE **ROUND-HEADED BUSH CLOVER** **PURPLE GIANT HYSSOP** **SHOWY MILKWEED**
JERUSALEM ARTICHOKE **PURPLE PRAIRIE CLOVER** **BLACK CHOKEBERRY** **PRAIRIE BLAZING STAR**
SWEET CONEFLOWER **TALL COREOPSIS** **SHOOTING STAR** **HAIRY BEARDTONGUE**
VIRGINIA BLUEBELLS **CORAL HONEYSUCKLE** **ATLANTIC CAMAS** **BLUE SAGE**
LEWIS FLAX **NEW ENGLAND BLAZING STAR** **PRAIRIE IRONWEED** **BLUE-EYED GRASS**
RED COLUMBINE **DWARF BLUE WILD INDIGO** **HYSSOP-LEAVED THOROUGHWORT** **PRAIRIE ROSE**
ROUGH BLAZING STAR **SHOWY TICK-TREFOIL** **SALTMARSH ASTER** **SUNDIAL LUPINE** **BRADBURY'S BEEBALM**
DWARF AMERICAN PERSIMMON **MEADOW BLAZING STAR** **SHRUBBY ST. JOHN'S WORT** **PRAIRIE PHLOX** **OHIO SPIDERWORT**
MOSS PHLOX **PRAIRIE CINQUEFOIL** **VIOLET WOOD-SORREL** **COMMON BLUE VIOLET** **LYRELEAF SAGE**
WESTERN SUNFLOWER **PURPLE POPPY-MALLOW** **SMALL SKULLCAP** **SERVICEBERRY** **HOARY SKULLCAP**
SKY BLUE ASTER **PRAIRIE ONION** **INDIANGRASS** **TALL LARKSPUR** **HEART-LEAVED GOLDEN ALEXANDERS**
AARON'S ROD **MISSOURI CONEFLOWER** **LARGE-FLOWERED FAMEFLOWER** **CLOVE CURRANT** **COPPER-SHOULDERED OVAL SEDGE** **FIRE PINK**
INDIAN PINK **MOHR'S ROSINWEED** **SCARLET CATCHFLY** **COPPER IRIS** **PRAIRIE JUNEGRASS** **SIDEOATS GRAMA**

+7 non-native culinary crops

FULL PLANT x POLLINATOR MATRIX — LINKED IN BIO

101 NATIVE SPECIES, 1 520 SQ-FT MICRO-PRAIRIE



BLAST ORNAMENTALITY

BLESS VITALITY



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HIGHEST FAUNAL ASSOCIATIONS

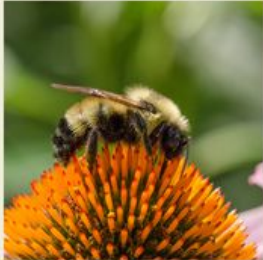
NUMBER = pollinator species recorded on the plant • NORTH AMERICA

**490****COMMON YARROW***Achillea millefolium***454****COMMON MILKWEED***Asclepias syriaca***363****WHITE SNAKEROOT***Ageratina altissima***331****PURPLE CONEFLOWER***Echinacea purpurea***324****GRASS-LEAVED GOLDENROD***Euthamia graminifolia***297****WILD BERGAMOT***Monarda fistulosa***296****BUTTERFLY MILKWEED***Asclepias tuberosa***269****BLUNT MOUNTAIN MINT***Pycnanthemum muticum***231****SLENDER MOUNTAIN MINT***Pycnanthemum tenuifolium*

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16 AT-RISK NYS BEES

EMBOLDENED!



LEMON CUCKOO BUMBLE BEE

Bombus citrinus

S2S3 NYS

Imperiled-Vulnerable

scarce downstate



GOLDEN NORTHERN BUMBLE BEE

Bombus fervidus

S3 NYS

Vulnerable

range-edge downstate



AMERICAN BUMBLE BEE

Bombus pensylvanicus

S2 NYS

Imperiled

suspected extirpated NYC



YELLOW-BANDED BUMBLE BEE

Bombus terricola

S3 NYS

Vulnerable

contracting from LI



NORTHERN AMBER BUMBLE BEE

Bombus borealis

S3 NYS

Vulnerable

northern · scarce downstate



ASTER MINER BEE

Andrena asteris

S3? NYS

Vulnerable

present downstate



SUNFLOWER MINER BEE

Andrena helianthi

S1S2 NYS

Crit. Imperiled-Imperiled

very rare downstate



ROSE MINER BEE

Andrena melanochroa

S2? NYS

Imperiled

very rare downstate



16 AT-RISK NYS BEES

EMBOLDENED!



Andrena braccata

mining bee

S2? NYS

Imperiled

aster-associated



Andrena integra

mining bee

S2S3 NYS

Imperiled-Vulnerable

golden-alexanders bee



Andrena miranda

mining bee

S2S3 NYS

Imperiled-Vulnerable

very rare in NY



Andrena erythrogaster

mining bee

S2? NYS

Imperiled

spring-beauty & alexanders



Andrena arabis

mining bee

S2S3 NYS

Imperiled-Vulnerable

spring-beauty & mustards



Macropis patellata

oil-collecting bee

S1 NYS

Critically Imperiled

needs loosestrife host



Megachile melanophaea

leafcutter bee

S2S3 NYS

Imperiled-Vulnerable

northern • rare downstate



Osmia simillima

mason bee

S1S2 NYS

Crit. Imperiled-Imperiled

violet & geranium visitor





ASTERACEAE

(aster family)

Achillea, Ageratina, Cirsium, Coreopsis, Echinacea
Erigeron, Euthamia, Eutrochium, Helenium, Helianthus
Liatris, Ratibida, Solidago, Symphyotrichum, Vernonia



FABACEAE

(pea family)

Baptisia, Dalea, Desmodium, Lespedeza
Lupinus, Thermopsis



LAMIACEAE

(mint family)

Agastache, Monarda, Physostegia
Pycnanthemum, Salvia, Scutellaria



PLANTAGINACEAE

(plantain family)

Penstemon, Veronicastrum



RANUNCULACEAE

(buttercup family)

Aquilegia, Delphinium



ROSACEAE

(rose family)

Drymocallis, Fragaria



AMARYLLIDACEAE

(onion family)

Allium



APIACEAE

(carrot family)

Zizia



APOCYNACEAE

(milkweed family)

Asclepias



ASPARAGACEAE

(camas family)

Camassia



BORAGINACEAE

(borage family)

Mertensia





CAPRIFOLIACEAE

(honeysuckle family)

Lonicera



GERANIACEAE

(geranium family)

Geranium



HYPERICACEAE

(St John's-wort family)

Hypericum



IRIDACEAE

(iris family)

Iris



LINACEAE

(flax family)

Linum



ONAGRACEAE

(evening primrose family)

Oenothera



POLEMONIACEAE

(phlox family)

Phlox



PRIMULACEAE

(primrose family)

Dodecatheon



RHAMNACEAE

(buckthorn family)

Ceanothus



VERBENACEAE

(vervain family)

Verbena



VIOLACEAE

(violet family)

Viola

