*The following is a list of pollinators that are known or suspected to be at-risk in Minnesota compiled by MN DNR and U of MN Bee Lab staff. Where genera, rather than species, are listed there is insufficient data available to evaluate the status of individual species. Experts suspect some members of these genera are likely at-risk due to habitat loss. Planting suggestions under the "Notes" online are not exhaustive, and are meant to help guide applicants in the plant selection process. Other site-level considerations, such as and molisture levels, and geographic location will ultimately discuste the most effective and accologically appropriate species list. Unfortunately planting a suggested plant species does not guarantee that an art-risk pollinator tax will occury or locate the babitat installation. In general the best way to ensure a habitat planting can support the pollinators that may occury it is to plant as many species from as many plant families as feasible, and to ensure the community of planted species are providing pollen and nectar from spring through fall.

At Risk Pollinator Species in Minnesota Updated 9/28/21									
Number	Genus	Species	Common Name	MN State Listed	Fed Listed	SGCN	Regions	Residential	Description
1	Bombus	affinis	Rusty Patched Bumble Bee	no	endangered	yes	Historically E and Central	yes	Requires diverse pollen and nectar resources from the spring through fall to complete its lifecycle. In decline across its range due to a number of different factor (habitat loss, disease, pesticides). Like several bumble bee species they can be found in residentially developed areas as well as natural areas. Recent records isolated to the metro and outlying counties in the E and SE.
	Danaus	atoriaus	Monarch	no	candidate	yes	Statewide		The population that occupies Minnesota requires milkweeds (Asclepias) as its larva host and diverse nectar resources in the late summer to begin its migration south. Late summer nectar plants that support monarchs and other pollinators include blazingstars (Latris), great blue lobelia (Lobelia siphilitica), and goldenrods (Solidagos). Candidate species for listing under the endangered species act. Numerous drivers in its decline, including habitat loss, pesticides, and climate chang Found statewide, but counties in the SE, SW, and NW have been designated as part.
	Bombus	plexippus	American Bumble Bee	no	pensylvanicus petitioned for ESA	yes	NW, SW, SE; Metro	yes yes	the north core conservation unit by the USFWS. Requires diverse pollen and nectar resources from the spring through fall to comple its lifecycle. As with other bumble baes, native spring flowering forbs, such as prairi smoke (Geum Hforum) or vingina waterleaf (Hydrophylium wignianum), and shru such as wild plum (Prunus americana) or native currant (Ribes) are critical to supporting queens emerging from winter diapause and establishing new colonies. In decline across its range, but particularly in the upper midwest, due to habital loss ar agricultural intensification. Historically found in developed or residential areas, but may be declining in these areas presently.
4	Macropis	nuda	Nude Yellow Loosestrife Bee	no	no	no	Likely statewide	Possibly	A solitary bee specialized on native loosestrife(Lysimachia), meaning it requires the pollen of loosestrife to provision its young and complete its lifecyde. 3 speci of Macropis are known to the state. All are liklely at-risk due to declining host plan abundance and habitat availability in the landscape. Historic range data is limited bu suggest it likely ranged statewide.
5	Argynnis		Greater Fritillaries	special concern	1 species of concern	1 species	Statewide	Possibly, depends on species	Species include the special concern, prairie endemic regal fritillary and the great spangled fritillary. Both require native violets (Viola) as larval host plants; loss of violets and intact remnant prairie habitat have impacted the regal fritillary distribution. Great spangled fritillary are found statewide, including in residential o developed areas. Regal fritillary are found in the NW, SW, and SE intact prairies an may not tolerate habitat within residential or highly devolped areas.
6	Bombus	terricola	The Yellow- Banded Bumble Bee	no	no	yes	NW, NE, Central; metro	yes	Like all bumble bees it requires diverse pollen and nectar resources from the spring through fail to complete its lifecycle. A species of greatest conservation concern in Minnesota. Historically found in the Northern half of the state and parts the metro. A few plant species found in the northern and forested regions state this may benefit this and other bumble bee species include. Labrador tea (Rhododendro greenlandicum), native blueberry and its relatives (Vaccinium), native currant or gooseberries (Ribes) and harebell (Campanula rotundifolia). Records suggest the species may be experiencing a decline.
	Bombus	fervidus	The Golden Northern Bumble Bee	no	no	yes	SE, SW, NW; metro	ves	Requires diverse pollen and nectar resources from the spring through fall to complete its lifecycle. A species of greatest conservation concern in Minnesota. Records suggest the species is experiencing a decline. Plants that produce plentifi nectar such as native lance leaf figwort (Scrophularia lanceolota), lousewort (Pedicularis), bee baim (Monarda), or hyssop (Agastache) are beneficial to this an other bumble bee species. Likely present throughout the state historically, but the are few contemporary records in theNE region.
	Andrena		Mining bees	no	no	no	statewide	Possibly, depends on species	A diverse group of mid-sized bees that as their name implies nest underground. So species are among the first pollinators to emerge in the spring. Many specialized species are found within this genus. Some species may range statewide. Host plan that can be planted to support both generalists and specialists include native willow (Claik), dogwood (Cornus), will geranium (Geranium maculatum), spring beauti (Claytonia virginica), alexanders (Zizia). Spring blooming species like these are als critical to other early emerging bees, such as bumble bee queens. Mid-oitae seas species that can support miner bees and many other pollinators include prairie clovers (Dalea), leadplant or false indigo (Amorpha), and the goldenrods (Solidag and Oligoneuron).
	Melissodes		Longhorn bees	no	no		Statewide	Possibly, depends on species	The longhorn bees are distinctive bees that range statewide. Females store pollen i hairy "chaps" on their hind legs. Males have very long antennae used in courtship, lending this group their common name. Many species are specialised on asteracea Some of these specialists are known to the metro, but many may require large area of intact or restored prairie. Plant native coneflowers (Ratibida), sunflowers (Heilamthus), black eyed susans (Rubbeckia), rosinweeds Slightum), iron weed (Vernonia) and late blooming asters (Symphyotrichum) to support these and man other species of pollinator.
10	Megachile		Leafcutter bees	no	no		Statewide	Possibly, depends on species	Robust bees with powerful mandibles ("Megachile" derives from the Ancient Gree megas, "big" + kheilos, "lip") that are used to cut leaves to layer their brood cells. Several species may be in decline. A few species may be specialized on plants in the pea family (fabaceae) or aster family (asteraceae). Planting mid-season flowering native fabaceae such as prairie clovers (Dalea), lead plant (Amorpha), milixetch (Astragalus), and vetchings (Lathyrus), or native asteraceae such as tickseed (Coreopsis), fieabane (Frigeron), and sunflowers (Heilanthus) will potentially benef these and other summer-fing native polinators.

1	1 Svastra	obliqua	Sunflower bee	no	no	SE, SW, Central, likely NW; metro		The sunflower bee or oblique longhorn is a specialist of coneflowers and other asters closely related to the Melissodes longhorn bees. Records are predominantly in the southern half of MN. Planting native coneflowers (Ratbida), sunflowers (Helianthus), black eyed susans (Rudbeckia), rosinweeds (Silphium), narrow-leaved purple coneflower (Echinacea angustifolia), and late blooming asters (Symphyotrichum) to support the longhorn bees, and many other pollinators.
1	2 Colletes		plasterer, polyester, or cellophane bees	no	no	Statewide	Possibly, depends on species	An interesting group of bees that sometimes nest in aggregations and line their nest cells with a cellophane-like secretion. Similar to the mining bees, some species emerge in the early spring and rely on early flowering trees or shrubs to native willows (Salik) and plums (Prunus). A few species are specialists of certain plant families, such as native asters (asteraceae), like the goldenrods (Solidago or Oligoneuron), or legumes (fabaceae), the prairic clovers (Dalea). While these species may not be found statewide, nor necessarily in developed areas such as cities or towns, planting their host plants will support are large number of other polinators, like bumblebees, solitary bees, and hover flies.
1	3 Duforea		Shortfaced bees	no	no	NW, SE, SW; metro	Yes	The shortfaced bees are small members of the sweat bee family (Halictidae). One species requires the pollen of native bee balm (Monarda) to complete its life cycle. Monarda is also a key nectar resource of numerous other bee groups, including the bumble bees.

	Metadata		Metadata
column	explanation	column	explanation
	•		Federal listing status;
			threatened.
	running tally of potential species;		endangered,
number	does not reflect prioritization	fed listed	candidate, not listed
umber	does not reneer phonazation	icu iisteu	currature, not instea
			Yes or No; is species
			listed as a species of
			greatest conservatio
			need (SGCN) in the
			2015-2025 state
			wildlife action plan
			(SWAP)? Full list of
			SGCN species can be
			referenced here:
			https://files.dnr.stat
			mn.us/assistance/nr
		SGCN	anning/bigpicture/m
genus	genus name	SGCN	wap/appendix_c.pdf
			Where the species is
			found in Minnesota;
			NE, NW, SW, SE,
			Central; based upon
pecies	species name	regions	best available data.
			Notes about the
			species or genus
			biology, range,
			rationale for
			inclusion, and specifi
			host plant
			requirements, or
			plant species or
			families that are
			beneficial to the tax
			Plant genus and
			species names are
common			given in parentheses
name	common name, if one exists	notes	after common name
	Minnesota state listing status;		
	threatened, endangered, special		
	concern, not listed; state listed		
	species can be referenced here:		
MN state	https://files.dnr.state.mn.us/natu		