

Appendix 14-A

List of NY NHP Conservation Concern Plant Species

**Appendix 14-A
NYS NHP Plant Species of Conservation Concern - Orange County**

SCIENTIFIC NAME	COMMON NAME	COUNTY CODE(a)	STATE RANK(b)	STATE PROTECTION	GENERAL HAB. REQUIREMENTS
<i>Agrimonia rostellata</i>	Woodland Agrimony	ORAN-C	S2	T	Woodlands, often swampy
<i>Aristolochia serpentaria</i>	Virginia Snakeroot	ORAN-C	S2	E	Mixed deciduous forests, woodland margins and stream banks
<i>Asclepias purpurascens</i>	Purple Milkweed	ORAN-C	S2S3	U	Swamp forests and alluvial woods
<i>Bidens laevis</i>	Smooth Bur-marigold	ORAN-C	S2	T	Marshes and stream banks
<i>Botrychium oneidense</i>	Blunt-lobe Grape Fern	ORAN-P	S2S3	E	Damp woods and shady thickets
<i>Callitriche terrestris</i>	Terrestrial Starwort	ORAN-C	S2S3	T	Low fields, paths and ditches
<i>Campanulastrum americanum</i>	Tall Bellflower	ORAN-C	S1	U	Rich deciduous woods, usually associated with basic to circumneutral soils
<i>Carex abscondita</i>	Thicket Sedge	ORAN-C	S1	T	Rich and low woodlands
<i>Carex davisii</i>	Davis' Sedge	ORAN-C	S2	T	Seasonally wet areas; usually in shaded woodlands or on margin of woods; prefers limestone rich soils
<i>Carex glaucoidea</i>	Glaucous Sedge	ORAN-C	S2S3	E	Meadows and low woods
<i>Carex haydenii</i>	Cloud Sedge	ORAN-C	S1	E	Full sun to semi-shade; forested wetlands, streambanks, marshes and ditches
<i>Carex lupuliformis</i>	False Hop Sedge	ORAN-C	S2	R	Low woods
<i>Carex meadii</i>	Mead's Sedge	ORAN-?	SH	E	Meadows and marshes
<i>Carex mesochorea</i>	Midland Sedge	ORAN-C	S2	E	Dry grasslands, roadsides and along railroads
<i>Carex molesta</i>	Troublesome Sedge	ORAN-P	S2S3	T	Fields, roadsides, bottomlands, open woods, on dry to wet, often heavy, calcareous soils
<i>Carex straminea</i>	Straw Sedge	ORAN-C	S1	E	Wooded floodplains and sawmps or borders; clearings
<i>Carex striatula</i>	Lined Sedge	ORAN-C	S1	E	Mesic woods; shaded alluvial situations
<i>Carex typhina</i>	Cat-tail Sedge	ORAN-C	S1	T	Low woods
<i>Castilleja coccinea</i>	Scarlet Indian-paintbrush	ORAN-P	S1	E	Meadows, roadsides and woodland margins
<i>Crotalaria sagittalis</i>	Rattlebox	ORAN-P	S1	E	Woodland borders, openings and fields
<i>Cynoglossum virginianum var. boreale</i>	Northern Wild Comfrey	ORAN-P	S1S2	E	Deciduous woods; infrequent near roadsides and in meadows
<i>Desmodium ciliare</i>	Little-leaf Tick-trefoil	ORAN-?	S2S3	T	Fields and open woods
<i>Desmodium humifusum</i>	Spreading Tick-trefoil	ORAN-P	SH	E	Open dry woods on acidic soils
<i>Desmodium obtusum</i>	Stiff Tick-trefoil	ORAN-C	S1	E	Fields and open woods
<i>Eleocharis ovata</i>	Ovate Spikerush	ORAN-?	S1S2	E	Marshes
<i>Hydrastis canadensis</i>	Golden-seal	ORAN-?	S2	T	Rich woods
<i>Isoetes riparia</i>	Riverbank Quillwort	ORAN-P	S1	E	Swamps, stream and tidal shores
<i>Juncus debilis</i>	Weak Rush	ORAN-C	S1	E	Wet, open places
<i>Juncus subcaudatus</i>	Woodland Rush	ORAN-C	S1	E	Wet, shaded places
<i>Lactuca hirsute</i>	Downy Lettuce	ORAN-P	S1	E	Woodlands and woodland borders
<i>Lechea tenuifolia</i>	Slender Pinweed	ORAN-C	S2	T	Mixed woods and fields
<i>Lycopus rubellus</i>	Gypsy-wort	ORAN-C	S1	E	Marshes, swamp forest, alluvial woods and ditches
<i>Lysimachia hybrida</i>	Lance-leaved Loosestrife	ORAN-P	S1	E	Alluvial woods and wet meadows
<i>Myriophyllum pinnatum</i>	Green Parrot's-feather	ORAN-P	S1	E	Pools and ditches
<i>Oxalis violacea</i>	Violet Wood-sorrel	ORAN-C	S2S3	T	Alluvial or rich open woods
<i>Pedicularis lanceolata</i>	Swamp Lousewort	ORAN-C	S2	T	Wet meadows on basic soils
<i>Physalis virginiana var. virginiana</i>	Virginia Ground-cherry	ORAN-P	SH	E	Deciduous or evergreen woodlands, roadsides and fields
<i>Pinus virginiana</i>	Virginia Pine	ORAN-C	S1	E	Poor, dry rocky soil and old fields
<i>Ranunculus hispidus var. nitidus</i>	Swamp Buttercup	ORAN-C	S1	E	Dry woods, low woods and meadows
<i>Rotala ramosior</i>	Tooth-cup	ORAN-C	S2	T	Marshes, ditches and depressions
<i>Scirpus georgianus</i>	Georgia Bulrush	ORAN-C	S1	E	Marshes
<i>Sisyrinchium mucronatum</i>	Michaux's Blue-eyed-grass	ORAN-P	S1	E	Meadows, particularly over circumneutral soils
<i>Thaspium trifoliatum var. flavum</i>	Purple Meadow-parsnip	ORAN-?	SX	U	Mixed deciduous forests
<i>Tripsacum dactyloides</i>	Northern Gamma Grass	ORAN-P	S2	T	Low woods, ditches, roadsides, meadows and waste places
<i>Viburnum dentatum var. venosum</i>	Southern Arrowwood	ORAN-P	S2	T	Alluvial woods and forested swamps
<i>Xyris smalliana</i>	Large Yellow-eyed-grass	ORAN-P	S2	U	Freshwater marshes, pools margins and wet ditches

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NYS NHP Plant Species of Conservation Concern - Orange County

Source: New York Natural Heritage Program Rare Plant Status Lists, June 2008

(a) **COUNTIES OF OCCURRENCE** - The county name (Orange) is followed by a status letter as follows:

"C" (confirmed) if the plant is currently known within the county.

"P" (probable) if the plant was last documented by a specimen more than 30 years ago.

"?" (possible) when it is possible that the plant occurs in the county because there have been unconfirmed reports of its existence (i.e., oral report, plant list, literature citation).

(b) **STATE RANK**

S1 = Critically imperiled in New York State because of extreme rarity (5 or fewer sites or very few remaining individuals) or extremely vulnerable to extirpation from New York State due to biological or human factors.

S2 = Imperiled in New York State because of rarity (6 - 20 sites or few remaining individuals) or highly vulnerable to extirpation from New York State due to biological or human factors.

S3 = Rare in New York State (usually 21 - 35 extant sites).

S4 = Apparently secure in New York State.

S5 = Demonstrably secure in New York State.

SH = Historical. No existing sites known in New York State in the last 20-30 years but it may be rediscovered.

SX = Apparently extirpated from New York State, very low probability of rediscovery.

SR = Reported from the state, but existence has not been documented.

STATE PROTECTION

E = Endangered Species: listed species are those with

1) 5 or fewer extant sites, or

2) fewer than 1,000 individuals, or

3) restricted to fewer than 4 U.S.G.S. 7 1/2 minute topographical maps, or

4) species listed as endangered by the U. S. Department of Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11.

T = Threatened: listed species are those with

1) 6 to fewer than 20 extant sites, or

2) 1,000 to fewer than 3,000 individuals, or

3) restricted to not less than 4 or more than 7 U.S.G.S. 7 1/2 minute topographical maps, or

4) listed as threatened by the U. S. Department of the Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11.

R = Rare: listed species have

1) 20 to 35 extant sites, or

2) 3,000 to 5,000 individuals statewide.

U = Unprotected