



# Optimal Survey Windows for North Carolina's Federally Threatened, Endangered and At Risk Plants

Last revised: November 30, 2018

SCIENTIFIC NAME	COMMON NAME	STATUS	SURVEY WINDOW
<i>Aeschynomene virginica</i>	Sensitive joint-vetch	T	July - October
<i>Amaranthus pumilus</i>	Seabeach amaranth	T	July - October (or before 1st tropical storm that causes overwash)
<i>Amorpha georgiana</i> var. <i>georgiana</i>	Georgia lead-plant	ARS*	late April – October
<i>Balduina atropurpurea</i>	Purple Balduina	ARS*	late August - October
<i>Cardamine micranthera</i>	Small-anthered bittercress	E	April - May
<i>Carex impressinervia</i>	Impressed-nerved sedge	ARS*	April - May
<i>Carex lutea</i>	Golden sedge	E	mid April - mid June
<i>Dichanthelium hirstii</i>	Hirsts' panic grass	C	June - September
<i>Dionaea muscipula</i>	Venus flytrap	ARS*	late May – June
<i>Echinacea laevigata</i>	Smooth coneflower	E	late May – October
<i>Eupatorium paludicola</i>	A Boneset	ARS	August – September
<i>Fimbristylis perpusilla</i>	Harper's Fimbristylis	ARS	July – September
<i>Geum radiatum</i>	Spreading avens	E	June – September
<i>Gymnoderma lineare</i>	Rock gnome lichen	E	year round
<i>Hedyotis purpurea</i> var. <i>montana</i>	Roan Mountain bluet	E	June – July
<i>Helianthus schweinitzii</i>	Schweinitz's sunflower	E	late August – October
<i>Helonias bullata</i>	Swamp pink	T	April – May
<i>Hexastylis naniflora</i>	Dwarf-flowered heartleaf	T	March – May
<i>Hudsonia montana</i>	Mountain golden heather	T	late May - early June
<i>Isoetes hyemalis</i>	Winter or Evergreen quillwort	ARS*	April – July
<i>Isoetes microvela</i>	Thin-wall quillwort	ARS*	April – July
<i>Isotria medeoloides</i>	Small whorled pogonia	T	mid May through early July
<i>Liatris helleri</i>	Heller's blazing star	T	July – September
<i>Lindera melissifolia</i>	Pondberry	E	February – March; September - October
<i>Lindera subcoriacea</i>	Bog spicebush	ARS*	March - August
<i>Lobelia boykinii</i>	Boykin's Lobelia	ARS*	May – July
<i>Ludwigia brevipes</i>	Long Beach seedbox	ARS*	July – September
<i>Ludwigia ravenii</i>	Raven's seedbox	ARS*	June - October
<i>Lysimachia asperulaefolia</i>	Rough-leaved loosestrife	E	mid May – September
<i>Macbridea caroliniana</i>	Carolina birds-in-a-nest	ARS*	July – November
<i>Minuartia godfreyi</i>	Godfrey's stitchwort	ARS*	April – June
<i>Nuphar lutea</i> ssp. <i>sagittifolia</i>	Cape Fear spatterdock	ARS*	April – October

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<i>Oxypolis canbyi</i> ( <i>Tiedemannia canbyi</i> )	Canby's dropwort	E	mid July – September
<i>Ptilimnium ahlesii</i>	Carolina bishopweed	ARS*	May – July
<i>Ptilimnium nodosum</i>	Harperella	E	July – early September (during low water)
<i>Rhus michauxii</i>	Michaux's sumac	E	May – October
<i>Rhynchospora crinipes</i>	Hairy-peduncled beakrush	ARS*	July – September
<i>Rhynchospora thornei</i>	Thorne's beakrush	ARS*	June – September
<i>Rudbeckia heliopsis</i>	Sun-facing coneflower	ARS*	July – September
<i>Sagittaria fasciculata</i>	Bunched arrowhead	E	mid May – July
<i>Sarracenia oreophila</i>	Green pitcher-plant	E	late April – October
<i>Sarracenia purpurea</i> var. <i>montana</i>	A Purple pitcher-plant	ARS*	April – October
<i>Sarracenia rubra</i> ssp. <i>jonesii</i>	Mountain sweet pitcher-plant	E	April – October
<i>Schwalbea americana</i>	American chaffseed	E	May – August (1-2 months after a fire)
<i>Sisyrinchium dichotomum</i>	White irisette	E	late May – July
<i>Solidago plumosa</i>	Yadkin River goldenrod	ARS	September – October
<i>Solidago spithamea</i>	Blue Ridge goldenrod	T	July – September
<i>Solidago villosicarpa</i>	Coastal goldenrod	ARS	October - November
<i>Spiraea virginiana</i>	Virginia Spiraea	T	May - early July
<i>Sporobolus teretifolius</i>	Wire-leaved dropseed	ARS*	July – September (following fire)
<i>Thalictrum cooleyi</i>	Cooley's meadowrue	E	mid June - early July
<i>Tsuga caroliniana</i>	Carolina hemlock	ARS*	year round
<i>Waldsteinia lobata</i> ( <i>Geum lobatum</i> )	Lobed barren strawberry	ARS*	March - June

These recommended survey windows were determined from species recovery plans, field observations, herbarium specimens and NC Natural Heritage Program information.

#### STATUS KEY

- E** Federally endangered
- T** Federally threatened
- C** The U.S. Fish and Wildlife Service (USFWS) or the National Marine Fisheries Service has sufficient information about biological vulnerability and threat(s) to support listing proposals of these species.
- ARS** The U.S.FWS defines “at-risk species” as those species that are extremely rare throughout their range or that have either been proposed or petitioned for listing.
- \*** Species with a “substantial” 90-day finding and undergoing status reviews (awaiting 12-month findings).

#### FOR MORE INFORMATION

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