

Report on 2017 Phenology Observations

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During the 2017 phenology season, from Feb 15-Nov 1 (41 weeks), a total of 3,069 observations of 229 species were recorded.

Table 1. Transects in the 2017 LREC phenology study.

Transect	Habitat Type	Length (m)
North Prairie	Wet-Mesic Prairie	200
North Woods	Riparian Woods	180
North Edge	Prairie/Woodland Transition	130
South Prairie	Wet-Mesic Prairie	160
South Woods	Riparian Woods	200
Pasture Prairie	Wet-Mesic Prairie	100
Mulch Woods	Riparian Woods	90
South Edge	Prairie/Woodland Transition	120

Table 2. Observation and species count by transect

Transect	observations	species count
North Prairie	554	112
South Prairie	436	94
Pasture Prairie	489	110
North Woods	375	89
South Woods	327	87
North Edge	375	93
South Edge	314	78

Table 3. List of species recorded during the 2017 phenology season. Species names in all caps are non-native.

Species	Common name	Habitat
CARDAMINE HIRSUTA	Hoary Bitter Cress	Prairie,Woodland,Edge
GALANTHUS NIVALIS	Snowdrops	Woodland
RANUNCULUS FICARIA	Lesser Celandine	Prairie,Woodland,Edge
Claytonia virginica	Spring Beauty	Woodland,Edge
Enemion biternatum	False Rue Anemone	Woodland
GLECHOMA HEDERACEA	Creeping Charlie	Prairie,Woodland,Edge
LAMIUM PURPUREUM	Dead Nettle	Prairie,Woodland,Edge
Viola sororia	Hairy Wood Violet	Prairie,Woodland,Edge
Mertensia virginica	Virginia Bluebells	Woodland
Polemonium reptans	Jacob's Ladder	Woodland
Trillium recurvatum	Purple Trillium	Woodland
ALLIARIA PETIOLATA	Garlic Mustard	Prairie,Woodland
Asarum canadense	Wild Ginger	Prairie,Woodland
Chaerophyllum procumbens	Wild Chervil	Woodland
Sanicula canadensis	Black Snakeroot	Woodland
STELLARIA MEDIA	Common Chickweed	Prairie,Woodland,Edge
Galium aparine	Annual Bedstraw	Prairie,Woodland,Edge
TARAXACUM OFFICINALE	Common Dandelion	Prairie,Woodland,Edge
Ranunculus abortivus	Littleleaf Buttercup	Prairie,Woodland,Edge
Carex spp.	Sedge	Prairie,Woodland,Edge
ORNITHOGALUM UMBELLATUM	Star of Bethlehem	Prairie,Woodland,Edge
Packera glabella	Butterweed	Prairie,Woodland,Edge
THLASPI ARVENSE	Field Penny Cress	Woodland
Erigeron pulchellus	Robin's Plantain	Prairie,Woodland,Edge
VERONICA SERPYLLIFOLIA	Thyme-leaf Speedwell	Prairie,Woodland,Edge
Polygonum pensylvanicum	Pennsylvania Smartweed	Prairie,Woodland,Edge
Erigeron annuus	Annual Fleabane	Prairie,Woodland,Edge
Packera aurea	Golden Ragwort	Woodland
POLYGONUM CESPITOSUM	Creeping Smartweed	Prairie,Woodland,Edge
Ranunculus hispidus	Hispid Buttercup	Woodland
Tradescantia subaspera	Broad-Leaved Spiderwort / Zigzag Spiderwort	Prairie,Woodland
Erigeron strigosus	Prairie/Daisy Fleabane	Prairie,Woodland,Edge
Oxalis dillenii	Yellow Wood Sorrel	Prairie,Woodland,Edge

Blephilia hirsuta	Wood Mint	Prairie,Woodland,Edge
Elymus hystrix	Bottlebrush Grass	Woodland,Edge
Tradescantia ohiensis	Common Spiderwort	Prairie,Woodland,Edge
Campanulastrum americanum	American Bellflower	Prairie,Woodland,Edge
Juglans nigra	Black Walnut	Woodland,Edge
Ageratina altissima	White Snakeroot	Prairie,Woodland,Edge
Geum canadense	White Avens	Prairie,Woodland,Edge
Chasmanthium latifolium	Creek Oats	Prairie,Woodland,Edge
Diarhena americana	American Beak Grass	Woodland
Elymus virginicus	Virginia Wild Rye	Woodland
Polygonum punctatum	Smartweed	Woodland
COMMELINA COMMUNIS	Common Dayflower	Woodland
Rudbeckia triloba	Brown-Eyed Susan	Prairie,Woodland,Edge
Phlox paniculata	Perennial Phlox	Prairie,Woodland,Edge
Polygonum hydropiperoides	Mild Water Pepper	Prairie,Woodland,Edge
Conoclinium coelestinum	Mist Flower	Woodland
PERILLA FRUTESCENS	Beefsteak Plant	Woodland
Verbesina alternifolia	Wingstem	Prairie,Woodland,Edge
Lobelia siphilitica	Great Blue Lobelia	Prairie,Woodland,Edge
Symphyotrichum lanceolatum	Panicled Aster	Prairie,Woodland,Edge
Monarda bradburiana	Horsemint	Woodland,Edge
Packera obovata	Round-Leaved Groundsel	Prairie,Woodland,Edge
Phlox divaricata	Wild Sweet William	Woodland,Edge
BARBAREA VULGARIS	Yellow Rocket	Prairie,Edge
CERASTIUM GLOMERATUM	Clammy Chickweed	Edge
CERASTIUM FONTANUM	Mouse-eared Chickweed	Prairie,Edge
Oxalis stricta	Common Wood Sorrel	Prairie,Woodland,Edge
Rubus flagellaris	Common Dewberry	Prairie,Edge
SECURIGERA VARIA	Crown Vetch	Prairie,Woodland,Edge
TRIFOLIUM REPENS	White Clover	Prairie,Woodland,Edge
DUCHESNEA INDICA	Indian Strawberry	Prairie,Woodland,Edge
Hydrophyllum virginianum	Virginia Waterleaf	Woodland,Edge
Sisyrinchium angustifolium	Pointed Blue-Eyed Grass	Prairie,Woodland,Edge
Erigeron philadelphicus	Marsh Fleabane	Prairie,Woodland,Edge
VICIA SATIVA	Common Vetch	Prairie,Edge
LONICERA JAPONICA	Japanese Honeysuckle	Prairie,Woodland,Edge

Rubus allegheniensis	Common Blackberry	Prairie,Woodland,Edge
STELLARIA GRAMINEA	Common Stitchwort	Edge
Carex shortiana	Short's Sedge	Prairie,Edge
Cornus racemosa	Gray Dogwood	Edge
Ruellia strepens	Wild Petunia	Prairie,Edge
Solanum carolinense	Horse Nettle	Prairie,Edge
Calystegia sepium	Hedge Bindweed	Prairie,Edge
Equisetum arvense	Horsetail	Edge
Phyla lanceolata	Fog Fruit	Prairie,Edge
Teucrium canadense	Germander	Prairie,Woodland,Edge
Allium canadense	Wild Garlic	Prairie,Woodland,Edge
DAUCUS CAROTA	Queen Anne's Lace	Prairie,Edge
Heliopsis helianthoides	False Sunflower	Prairie,Edge
Monarda fistulosa	Wild Bergamot	Prairie,Edge
Verbena urticifolia	White Vervain	Prairie,Woodland,Edge
Dalea candida	White Prairie Clover	Prairie,Edge
Eutrochium pupureum	Joe Pye Weed	Prairie,Woodland,Edge
Lobelia inflata	Indian Tobacco	Woodland,Edge
Pycnanthemum virginianum	Common Mountain Mint	Prairie,Edge
Ratibida pinnata	Grey Headed Coneflower	Prairie,Edge
Silphium perfoliatum	Cup Plant	Prairie,Edge
Agrimonia paraviflora	Swamp Agrimony	Prairie,Edge
Blephilia ciliata	Ohio Horsemint	Woodland,Edge
Coreopsis tripteris	Tall Coreopsis	Prairie,Edge
Equisetum hyemale	Scouring Rush	Woodland,Edge
Pycnanthemum tenuifolium	Slender Mountain Mint	Prairie,Edge
Vernonia missurica	Missouri Ironweed	Prairie,Woodland,Edge
Arnoglossum plantagineum	Prairie Indian Plantain	Edge
Elephantopus carolinianus	Elephant Foot	Prairie,Woodland,Edge
Polygonum virginianum	Virginia Knotweed / Jumpseed	Prairie,Woodland,Edge
Pycnanthemum verticillatum v. pilosum	Hairy Mountain Mint	Prairie,Edge
Desmodium perplexum	Beggar's Lice	Prairie,Edge
Rudbeckia subtomentosa	Sweet Coneflower	Prairie,Edge
Tripsacum dactyloides	Gama Grass	Prairie,Edge
Arnoglossum atriplicifolium	Pale Indian Plantain	Prairie,Woodland,Edge
Lactuca floridana	Blue Lettuce	Woodland,Edge

<i>Sicyos angulatus</i>	Bur Cucumber	Edge
<i>Solidago altissima</i>	Tall Goldenrod	Prairie,Woodland,Edge
<i>Helianthus tuberosus</i>	Jerusalem Artichoke	Edge
<i>Chelone obliqua</i>	Rose Turtlehead	Prairie,Woodland,Edge
<i>Pedicularis lanceolata</i>	Swamp Betony	Prairie,Edge
<i>Symphyotrichum lateriflorum</i>	Side-Flowering Aster	Prairie,Edge
<i>Symphyotrichum pilosum</i>	Hairy Aster	Prairie,Woodland,Edge
<i>Silphium integrifolium</i>	Rosinweed	Prairie,Edge
<i>Symphyotrichum novae-angliae</i>	New England Aster	Prairie,Edge
<i>Pedicularis canadensis</i>	Wood Betony	Prairie
<i>Castilleja coccinea</i>	Indian Paintbrush	Prairie
RUMEX CRISPUS	Curly Dock	Prairie
<i>Amsonia illustris</i>	Shining Bluestar	Prairie
<i>Potentilla simplex</i>	Common Cinquefoil	Prairie
<i>Zizia aurea</i>	Golden Alexander	Prairie,Woodland,Edge
<i>Geranium carolinianum</i>	Carolina Cranesbill	Prairie
<i>Amorpha fruticosa</i>	Indigo Bush	Prairie
<i>Iris virginica shrevii</i>	Blue Flag Iris	Prairie,Woodland,Edge
<i>Penstemon digitalis</i>	Foxglove Beardtongue	Prairie
<i>Achillea millefolium</i>	Yarrow	Prairie
<i>Carex vulpinoidea</i>	Fox Sedge	Prairie
<i>Thalictrum revolutum</i>	Waxy Meadow Rue	Prairie
TRIFOLIUM PRATENSE	Red Clover	Prairie
<i>Apocynum cannabinum</i>	Prairie Dogbane	Prairie
<i>Asclepias syriaca</i>	Common Milkweed	Prairie
<i>Lythrum alatum</i>	Winged Loosestrife	Prairie
<i>Rudbeckia hirta</i>	Black-Eyed Susan	Prairie
<i>Baptisia alba</i>	White Wild Indigo	Prairie,Edge
<i>Veratrum virginicum</i>	Virginia Bunchflower	Prairie
VICIA VILLOSA	Hairy Vetch	Prairie
<i>Geranium maculatum</i>	Wild Geranium	Prairie,Woodland
MELILOTUS OFFICINALIS	Sweetclover	Prairie
<i>Veronicastrum virginicum</i>	Culver's Root	Prairie,Edge
CONVOLVULUS ARVENSIS	Field Bindweed	Prairie
<i>Echinacea purpurea</i>	Purple Coneflower	Prairie
<i>Senna marilandica</i>	Maryland Senna	Prairie,Edge

<i>Eryngium yuccifolium</i>	Rattlesnake Master	Prairie
<i>Euthamia graminifolia</i>	Flat-top Goldenrod	Prairie,Edge
<i>Hibiscus lasiocarpus</i>	Rose Mallow	Prairie,Edge
<i>Eutrochium fistulosum</i>	Hollow Joe Pye Weed	Prairie
<i>Andropogon gerardii</i>	Big Bluestem	Prairie,Edge
<i>Helianthus mollis</i>	Downy Sunflower	Prairie
<i>Asclepias incarnata</i>	Swamp Milkweed	Prairie
<i>Lycopus americanus</i>	American Bugleweed	Prairie
<i>Silene regia</i>	Royal Catchfly	Prairie
<i>Sium suave</i>	Water Parsnip	Prairie,Edge
<i>Silphium terebinthinaceum</i>	Prairie Dock	Prairie
<i>Sorghastrum nutans</i>	Indian Grass	Prairie
<i>Helenium autumnale</i>	Sneezeweed	Prairie
<i>Impatiens capensis</i>	Orange Jewelweed	Prairie,Woodland,Edge
<i>Oenothera biennis</i>	Common Evening Primrose	Prairie
<i>Cirsium discolor</i>	Field Thistle	Prairie
<i>Elymus canadensis</i>	Canada Wild Rye	Prairie,Woodland
<i>Oenothera macrocarpa</i>	Missouri Evening Promrose	Prairie
<i>Bidens aristosa</i>	Swamp Marigold	Prairie
<i>Symphyotrichum praealtum</i>	Willow Aster	Prairie
<i>Gentiana andrewsii</i>	Closed Gentian	Prairie
<i>Solidago speciosa</i>	Showy Goldenrod	Prairie
VINCA MINOR	Periwinkle	Woodland
NARCISSUS PSEUDONARCISSUS	Daffodil	Woodland
<i>Cercis canadensis</i>	Eastern Redbud	Woodland,Edge
<i>Ribes missouriense</i>	Missouri Gooseberry	Woodland
<i>Collinsia verna</i>	Blue-Eyed Mary	Woodland,Edge
<i>Stylophorum diphyllum</i>	Celandine Poppy	Woodland
<i>Podophyllum peltatum</i>	Mayapple	Woodland,Edge
<i>Aesculus flava</i>	Yellow Buckeye	Woodland
LONICERA MAACKII	Bush Honeysuckle	Woodland
<i>Ptelea trifoliata</i>	Hop Tree	Woodland
<i>Circaea lutetiana</i>	Enchanters Nightshade	Woodland,Edge
<i>Rudbeckia laciniata</i>	Goldenglow	Woodland,Edge
<i>Verbesina helianthoides</i>	Wingstem	Woodland
<i>Lactuca canadensis</i>	Wild Lettuce	Woodland

Agastache nepetoides	Yellow Giant Hyssop	Woodland
Solidago sp.	Goldenrod	Prairie,Woodland
Lindera benzoin	Spice Bush	Woodland
Solidago flexicaulis	Zigzag Goldenrod	Woodland
CAPSELLA BURSA-PASTORIS	Shepherd's Purse	Prairie
Tridens flavus	Purpletop	Prairie
ROSA MULTIFLORA	Multiflora Rose	Prairie
MEDICAGO LUPULINA	Black Medic	Prairie
Ludwigia alternifolia	Bushy Seedbox	Prairie,Edge
Desmanthus illinoensis	Illinois Bundle Flower	Prairie
Prunella vulgaris var. lanceolata	Self-heal	Prairie,Woodland
Cynanchum laeve	Honeyvine Milkweed	Prairie
LACTUCA SERRIOLA	Prickly Lettuce	Prairie
Desmodium glabellum	Glabrous Tick Trefoil	Prairie
Eupatorium altissimum	Tall Boneset	Prairie
Conyza canadensis	Horseweed	Prairie
Oligoneuron rigidum	Stiff Goldenrod	Prairie
Corylus americana	Hazelnut	Edge
Acer saccharinum	Silver Maple	Edge
Aesculus pavia	Red Buckeye	Edge
Aesculus glabra	Ohio Buckeye	Woodland,Edge
Aquilegia canadensis	Columbine	Woodland,Edge
Viburnum dentatum	Southern Arrowwood	Edge
Cryptotaenia canadensis	Honewort	Edge
Phytolacca americana	Pokeweed	Woodland,Edge
Hypericum mutilum	Weak/Dwarf St. John's Wort	Edge
Scutellaria incana	Downy Skullcap	Woodland,Edge
Lobelia cardinalis	Cardinal Flower	Edge
Ruellia humilis	Hairy Ruellia	Edge
Geum vernum	Spring Avens	Prairie
Scirpus pendulus	Nodding Bulrush	Prairie
Convolvulus sp.	Bindweed	Prairie
Silphium laciniatum	Compass Plant	Prairie
Eupatorium perfoliatum	Common Boneset	Prairie
Liatris aspera	Rough Blazing Star	Prairie
Verbena hastata	Blue Vervain	Prairie

<i>Agalinis tenuifolia</i>	Slender False Foxglove	Prairie
<i>Helianthus grosseserratus</i>	Sawtooth Sunflower	Prairie
<i>Tradescantia longipes</i>	Wild Crocus	Woodland
<i>Asimina triloba</i>	Pawpaw	Woodland
<i>Phacelia purshii</i>	Miami Mist	Woodland
<i>Arisaema triphyllum</i>	Jack-in-the-Pulpit	Woodland
<i>Viola striata</i>	Pale Violet	Woodland
<i>Osmorhiza claytonii</i>	Sweet Cicely	Woodland
<i>Hydrophyllum appendiculatum</i>	Woolen Breeches	Woodland
<i>Iodanthus pinnatifidus</i>	Purple Rocket	Woodland
<i>Spigelia marilandica</i>	Indian Pink	Woodland
<i>Sanicula odorata</i>	Black Snakeroot	Woodland
<i>Laportea canadensis</i>	Wood Nettle	Woodland
<i>Urtica dioica</i>	Stinging Nettle	Woodland
<i>Physostegia virginiana</i>	False Dragonhead / Obedient Plant	Woodland

Figure 1. chart showing the relative bloom period for each species found in the prairie transects.

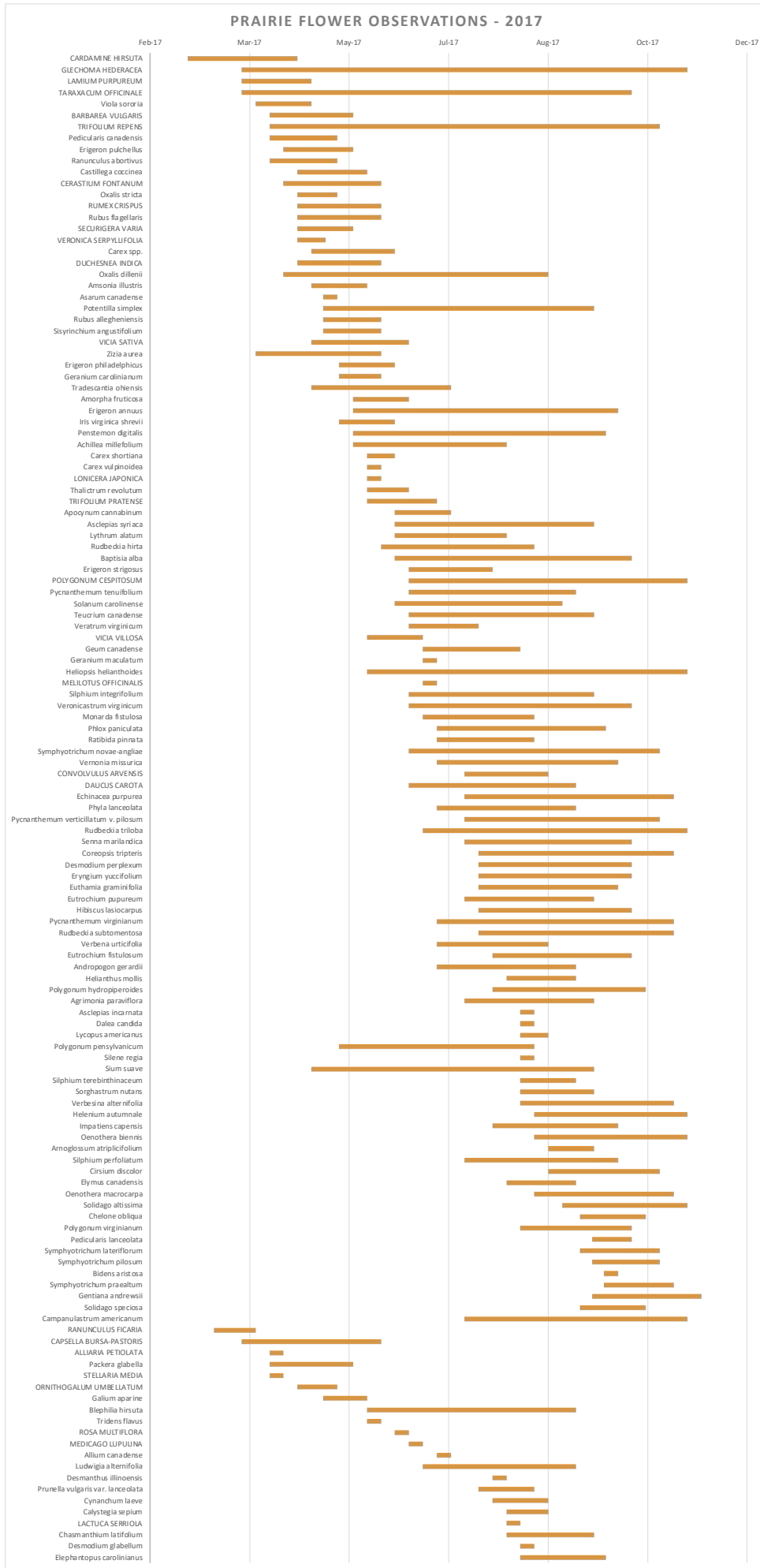


Figure 2. chart showing the relative bloom period for each species found in the woodland transects.

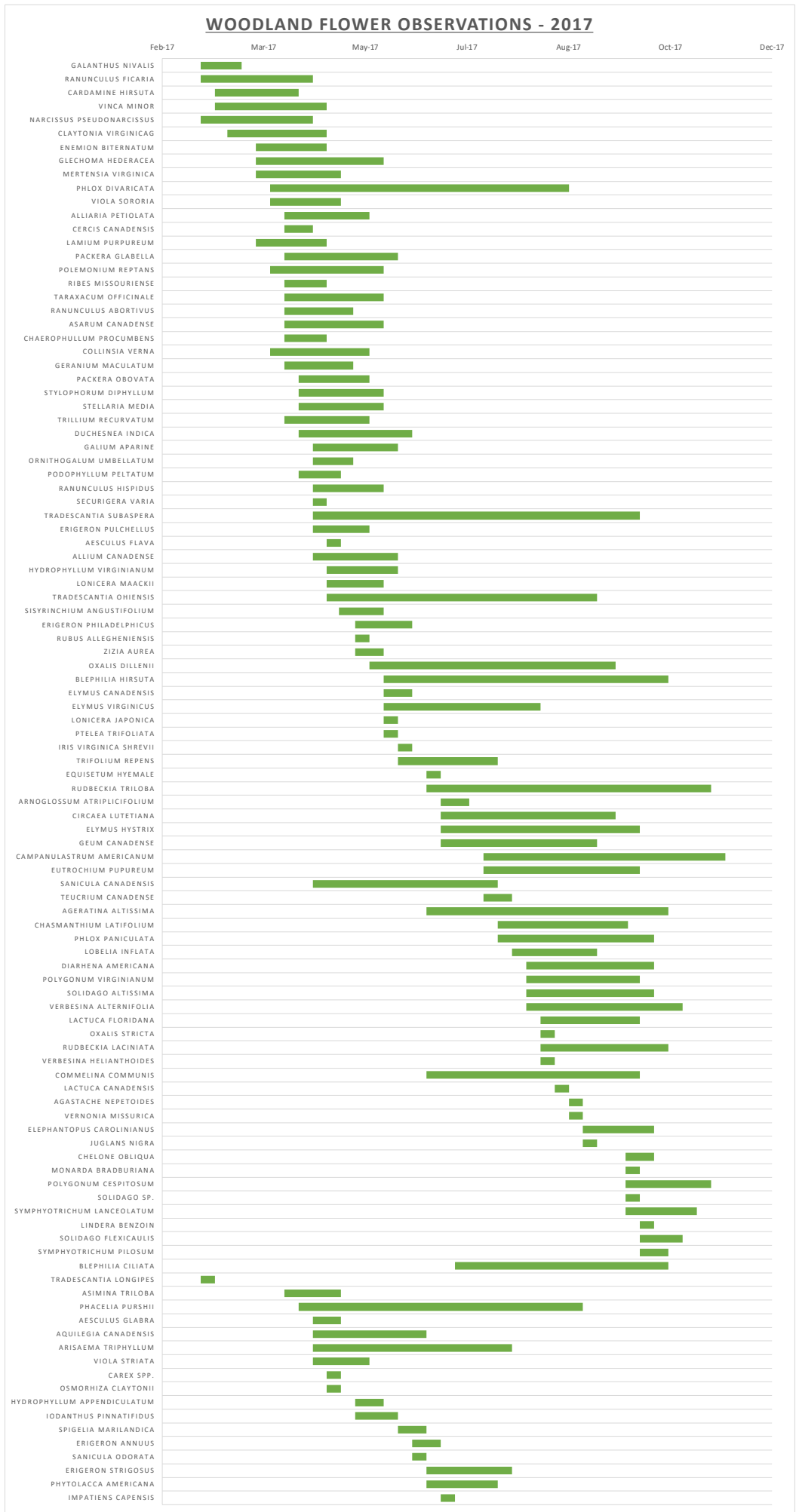


Figure 3. chart showing the relative bloom period for each species found along the edge transects.

