

Calvin College Ecosystem Preserve Vascular Plant Species List

Key:

CAPS = nonnative plant

* = Calvin College herbarium specimen

CC = co-efficient of conservatism: 0 to 10 (assigned only to natives)

0 = plants that show little fidelity to any remnant natural community.

10 = plants that are almost always restricted to a undisturbed/pre-settlement remnant.

WC = co-efficient of wetness: -5 to +5

0 (facultative) = equally likely to occur in wetlands or non-wetlands.

-3 (facultative wetland) = usually occurs in wetlands, but is occasionally found in non-wetlands.

-5 (obligate wetland) = almost always occurs in wetlands under natural conditions.

+5 (obligate upland) = almost always occurs in dry uplands.

Scientific Name	Common Name	CC	Habit	WC	X
FERNS					
Dryopteris carthusiana	Spinulose woodfern	5	fern	-2	
Onoclea sensibilis	Sensitive fern	2	fern	-3	
Osmunda regalis	Royal fern	5	fern	-5	
GYMNOSPERMS					
Juniperus virginiana	Red cedar	3	tree	3	
Pinus strobus	White pine	3	tree	3	
PINUS SYLVESTRIS	Scots pine	-	tree	5	
ANGIOSPERMS					
Monocots					
AGROPYRON REPENS*	Quack grass	-	grass	3	
AGROPYRON SMITHII*	Smith's wheat grass	-	grass	2	
AGROSTIS GIGANTEA*	Redtop	-	grass	0	
AGROSTIS STOLONIFERA*	Creeping bent	-	grass	-3	
ALLIUM VINEALE*	Field garlic	-	forb	3	
Alopecurus aequalis*	Short-awned foxtail	4	grass	-5	
Andropogon virginicus	Broom sedge	4	grass	1	
Arisaema triphyllum	Jack-in-the-pulpit	5	forb	-2	
BROMUS INERMIS*	Smooth brome	-	grass	5	
Bromus pubescens*	Canada brome	5	grass	3	
Carex blanda*	Sedge	1	sedge	0	
Carex bromoides*	Sedge	6	sedge	-4	
Carex brunscens*	Sedge	5	sedge	-3	

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Carex cephalophora*	Sedge	3	sedge	3	
Carex crinita*	Sedge	4	sedge	-4	
Carex gracillima*	Sedge	4	sedge	3	
Carex hystericina*	Sedge	2	sedge	-5	
Carex intumescens*	Sedge	3	sedge	-4	
Carex leptoneuria*	Sedge	3	sedge	0	
Carex lupulina*	Sedge	4	sedge	-5	
Carex pennsylvanica*	Sedge	4	sedge	5	
Carex retrorsa*	Sedge	3	sedge	-5	
Carex rosea*	Sedge	2	sedge	5	
Carex scabrata	Sedge	4	sedge	-5	
Carex sparganioides*	Sedge	5	sedge	0	
Carex stipata*	Sedge	1	sedge	-5	
Carex tribuloides*	Sedge	3	sedge	-4	
Carex vulpinoidea*	Sedge	1	sedge	-5	
Cyperus odoratus	Umbrella sedge	3	sedge	-3	
DACTYLIS GLOMERATA	Orchard grass	-	grass	3	
Danthonia spicata	Oat grass	4	grass	5	
DIGITARIA SANGUINALIS	Hairy crab grass	-	grass	3	
ECHINOCHLOA CRUSGALLI	Barnyard grass	-	grass	-3	
Echinochloa muricata*	Barnyard grass	1	grass	-5	
Eleocharis erythropoda	Spike-rush	4	sedge	-5	
Eleocharis obtusa*	Spike-rush	3	sedge	-5	
EPIPACTIS HELLEBORINE*	Helleborine	-	forb	5	
Eragrostis pectinacea	Love grass	0	grass	0	
ERAGROSTIS POAEOIDES*	Low love grass	-	grass	?	
Erythronium americanum	Yellow trout lily	5	forb	5	
Glyceria septentriondis	Floating manna grass	7	grass	-5	
Glyceria striata*	Fowl manna grass	4	grass	-5	
Iris versicolor*	Wild blue flag	5	forb	-5	
Iris virginica*	Southern blue flag	5	forb	-5	
Juncus acuminatus*	Sharp-fruited rush	8	forb	-5	
Juncus effusus*	Soft-stemmed rush	3	forb	-5	
Juncus tenuis*	Path rush	1	forb	0	
Leersia oryzoides*	Cut grass	3	grass	-5	
Lemna minor	Small duckweed	5	forb	-5	

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Lemna trisulca	Star duckweed	6	forb	-5	
Panicum capillare	Witch grass	1	grass	0	
PHLEUM PRATENSE*	Timothy	-	grass	3	
POA COMPRESSA*	Canada bluegrass	-	grass	2	
POA PRATENSIS*	Kentucky bluegrass	-	grass	1	
Scirpus atrovirens*	Bulrush	3	sedge	-5	
SETARIA VIRIDIS*	Green foxtail	-	grass	5	
Smilacina racemosa*	False spikenard	5	forb	3	
Sparganium chlorocarpum	Green fruited bur-reed	6	forb	-5	
Sphenopholis intermedia*	Slender wedgrass	4	grass	0	
Spirodela polyrhiza	Great duckweed	6	forb	-5	
Symplocarpus foetidus	Skunk cabbage	6	forb	-5	
Trillium grandiflorum	Common trillium	5	forb	5	
Typha latifolia	Broad-leaved cattail	1	forb	-5	
Wolffia columbiana	Common watermeal	5	forb	-5	
Herbaceous Dicots					
ABUTILON THEOPHRASTI*	Velvetleaf	-	forb	4	
Achillea millefolium*	Yarrow	1	forb	3	
Actaea pachypoda	White banebry	7	forb	5	
Agrimonia gryposepala*	Tall agrimony	2	forb	2	
AMARANTHUS RETROFLEXUS*	Rough amaranth	-	forb	2	
Ambrosia artemisiifolia*	Common ragweed	0	forb	3	
Anemone quinquefolia	Wood anemone	5	forb	0	
Antennaria neglecta	Cat's foot	3	forb	5	
Antennaria parlinii	Smooth pussytoes	2	forb	5	
Apocynum androsaemifolium*	Spreading dogbane	3	forb	5	
Aquilegia canadensis	Wild columbine	5	forb	1	
ARCTIUM MINUS*	Common burdock	-	forb	5	
ARTEMISIA VULGARIS	Mugwort	-	forb	5	
ARENARIA SERPYLLIFOLIA*	Thyme-leaved sandwort	-	forb	0	
Asarum canadense*	Wild-ginger	5	forb	5	
Asclepias incarnata*	Swamp milkweed	6	forb	-5	
Asclepias syriaca	Common milkweed	1	forb	5	
Aster novae-angliae* (Virgulus novae-angliae)	New England aster	3	forb	-3	
Aster pilosus*	Hairy aster	1	forb	2	
Aster sagittifolius*	Arrow-leaved aster	2	forb	5	

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BARBAREA VULGARIS*	Yellow rocket	-	forb	0	
BERTEROA INCANA*	Hoary alyssum	-	forb	5	
Bidens sp.	Beggar-ticks		forb		
Calystegia sepium*	Hedge bindweed	2	forb	0	
CENTAUREA JACEA*	Brown knapweed	-	forb	5	
CENTAUREA MACULOSA*	Spotted knapweed	-	forb	5	
CERASTIUM FONTANUM*	Mouse-ear chickweed	-	forb	3	
CHENOPODIUM ALBUM	Lamb's quarters	-	forb	1	
Chimaphila onaculata					
CHRYSANTHEMUM LEUCANTHEMUM*	Ox-eye daisy	-	forb	5	
CICHORIUM INTYBUS*	Chicory	-	forb	5	
Cicuta maculata*	Water hemlock	4	forb	-5	
Circaea lutetiana	Enchanter's nightshade	2	forb	3	
CIRSIUM ARVENSE*	Canada thistle	-	forb	3	
CIRSIUM VULGARE*	Bull thistle	-	forb	4	
Claytonia virginica	Spring beauty	4	forb	3	
Conopholis americana*	Squawroot	10	forb	5	
Conyza canadensis*	Horseweed	0	forb	1	
Cuscuta gronovii	Common dodder	3	forb	-3	
DAUCUS CAROTA*	Wild carrot	-	forb	5	
Dentaria laciniata	Cut-leaved toothwort	5	forb	3	
Desmodium nudiflorum	Naked-flowered tick trefoil	7	forb	5	
Desmodium obtusum* (rigidum)	Stiff tick-trefoil	9	forb	5	
DIANTHUS ARMERIA*	Deptford pink	-	forb	5	
DIPSACUS FULLONUM*	Common teasel	-	forb	5	
Epifagus virginiana	Beech drops	10	forb	5	
Erigeron annuus	Annual fleabane	0	forb	1	
Erigeron philadelphicus	Marsh fleabane	2	forb	-3	
Erigeron strigosus	Daisy fleabane	4	forb	1	
Euthamia graminifolia*	Grass-leaved goldenrod	3	forb	-2	
Fragaria virginiana	Wild strawberry	2	forb	1	
Geranium maculatum	Wild geranium	4	forb	3	
Geum allepicum	Yellow avens	3	forb	-1	
Geum canadense	White avens	1	forb	0	
Geum laciniatum	Rough avens	2	forb	-3	
GLECHOMA HEDERACEA	Ground ivy	-	forb	3	
HELIANTHUS ANNUUS	Garden sunflower	-	forb	1	
Helianthus decapetalus	Pale sunflower	5	forb	5	

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Helianthus divaricatus	Woodland sunflower	5	forb	5	
HIERACIUM AURANTIACUM	Orange hawkweed	-	forb	5	
HIERACIUM CAESPITOSUM	King-devil	-	forb	5	
HYPERICUM PERFORATUM	Common St. John's-wort	-	forb	5	
Impatiens capensis	Spotted touch-me-not	2	forb	-3	
LACTUCA SERRIOLA	Prickly lettuce	-	forb	0	
LATHYRUS LATIFOLIUS	Everlasting pea	-	forb	5	
LEONURUS CARDIACA	Motherwort	-	forb	5	
LEPIDIUM CAMPESTRE	Field cress	-	forb	5	
Lobelia cardinalis	Cardinal flower	7	forb	-5	
Lysimachia ciliata	Fringed loosestrife	4	forb	-3	
LYTHRUM SALICARIA	Purple loosestrife	-	forb	-5	
MALVA NEGLECTA	Common mallow; cheeses	-	forb	5	
MALVA ROTUNDIFOLIA	Round-leaved mallow	-	forb	5	
MEDICAGO LUPULINA	Black medic	-	forb	1	
MEDICAGO SATIVA	Alfalfa	-	forb	5	
MELILOTUS ALBA	White sweet-clover	-	forb	3	
MELILOTUS OFFICINALIS	Yellow sweet-clover	-	forb	3	
Monarda fistulosa	Wild bergamot	2	forb	3	
Monotropa uniflora	Indian pipe	5	forb	3	
NEPETA CATARIA	Catnip	-	forb	1	
Oenothera biennis	Common evening-primrose	2	forb	3	
Oenothera villosa	Evening primrose	4	forb	0	
Oxalis fontana	Yellow wood-sorrel	0	forb	3	
Oxalis stricta	Common yellow wood-sorrel	0	forb	3	
PLANTAGO LANCEOLATA	English plantain	-	forb	0	
PLANTAGO MAJOR	Common plantain	-	forb	-1	
Plantago rugelii	Red-stalked plantain	0	forb	0	
Podophyllum peltatum*	Mayapple	3	forb	3	
POLYGONUM AVICULARE	Knotweed	-	forb	1	
POLYGONUM CONVULVULUS	Bindweed	-	vine	1	
Polygonum hydropiper*	Water-pepper	1	forb	-5	
Polygonum pensylvanicum*	Pinkweed	0	forb	-4	
POLYGONUM PERSICARIA*	Smartweed (Lady's thumb)	-	forb	-3	
Polygonum virginianum	Jumpseed	4	forb	0	
POTENTILLA ARGENTEA*	Silvery cinquefoil	-	forb	3	
Potentilla norvegica*	Rough cinquefoil	0	forb	0	
POTENTILLA RECTA*	Rough-fruited cinquefoil	-	forb	5	

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Potentilla simplex*	Common cinquefoil	2	forb	4	
PRUNELLA VULGARIS*	Self-heal	-	forb	0	
RANUNCULUS ACRIS	Common buttercup	-	forb	-2	
Ranunculus recurvatus*	Hooked crowfoot	5	forb	-3	
Ranunculus sceleratus*	Cursed crowfoot	1	forb	-5	
Rorippa palustris*	Yellow cress	1	forb	-5	
Rudbeckia hirta*	Black-eyed susan	1	forb	3	
RUMEX ACETOSELLA*	Sheepsorrell	-	forb	0	
RUMEX CRISPUS*	Curly dock	-	forb	-1	
Sanguinaria canadensis	Bloodroot	5	forb	4	
Scutellaria lateriflora*	Skullcap	5	forb	-5	
SILENE PRATENSIS*	White campion	-	forb	5	
SOLANUM CAROLINENSE*	Horse nettle	-	forb	4	
SOLANUM DULCAMARA*	Devil's nightshade	-	vine	0	
Solidago altissima	Tall goldenrod	1	forb	3	
Solidago canadensis*	Canada goldenrod	1	forb	3	
Solidago juncea*	Rushlike goldenrod	3	forb	5	
Solidago nemoralis	Woodland goldenrod	2	forb	5	
TARAXACUM OFFICINALE	Common Dandelion	-	forb	3	
TRAGOPOGON DUBIUS	Goats beard	-	forb	5	
TRIFOLIUM HYBRIDUM*	Alsike clover	-	forb	1	
TRIFOLIUM PRATENSE*	Red clover	-	forb	2	
Urtica dioica*	Stinging nettle	1	forb	-1	
VERBASCUM BLATTARIA*	Moth mullein	-	forb	4	
VERBASCUM THAPSUS	Common mullein	-	forb	5	
VICIA CRACCA*	Tufted vetch	-	forb	5	
VICIA VILLOSA*	Hairy vetch	-	forb	5	
Viola pubescens*	Downy yellow violet	4	forb	4	
Woody Dicots					
Acer negundo*	Box elder	0	tree	-2	
ACER PLATANOIDES*	Norway maple	-	tree	5	
Acer rubrum	Red maple	1	tree	0	
Acer saccharinum*	Silver maple	2	tree	-3	
Acer saccharum*	Sugar maple	5	tree	3	
Amelanchier arborea*	Juneberry	4	tree	3	
Betula papyrifera	Paper birch	2	tree	2	
Carpinus caroliniana	Blue-beech	6	tree	0	

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<i>Carya ovata</i>	Shagbark hickory	5	tree	3	
<i>Cephalanthus occidentalis</i> *	Buttonbush	7	shrub	??	
<i>Cornus amomum</i> *	Silky dogwood	2	shrub	-4	
<i>Cornus florida</i>	Flowering dogwood	8	tree	4	
<i>Cornus foemina</i> *	Grey-bark dogwood	1	shrub	-2	
<i>Cornus stolonifera</i>	Red-osier dogwood	2	shrub	-3	
<i>Crataegus</i> sp.	Hawthorn		tree		
<i>Fagus grandifolia</i>	American beech	6	tree	-3	
<i>Fraxinus americana</i>	American ash (white)	5	tree	-3	
<i>Hamamelis virginiana</i>	Witch-hazel	5	shrub	3	
<i>Juglans cinerea</i>	Butternut	5	tree	2	
<i>Juglans nigra</i>	Black walnut	5	tree	3	
LIGUSTRUM VULGARE	Common privet	-	shrub	1	
<i>Lindera benzoin</i> *	Spicebush	7	shrub	-2	
LONICERA TATARICA	Tartarian honeysuckle	-	shrub	3	
MALUS PUMILA	Common apple	-	tree	5	
<i>Morus rubra</i>	Red mulberry	9 SC	tree	1	
<i>Nyssa sylvatica</i>	Black gum	9	tree	-4	
<i>Ostrya virginiana</i> *	Ironwood	5	tree	4	
<i>Parthenocissus quinquefolia</i>	Virginia creeper	5	vine	1	
<i>Populus deltoides</i>	Cottonwood	1	tree	-1	
<i>Populus tremuloides</i>	Trembling aspen	1	tree	0	
<i>Prunus serotina</i> *	Wild black cherry	2	tree	3	
<i>Prunus virginiana</i> *	Choke cherry	2	shrub	1	
<i>Quercus alba</i>	White oak	5	tree	3	
<i>Quercus bicolor</i>	Swamp white oak	8	tree	-4	
<i>Quercus macrocarpa</i>	Bur Oak	5	tree	1	
<i>Quercus rubra</i>	Red oak	5	tree	3	
RHAMNUS CATHARTICA*	Common buckthorn	-	tree	3	
RHAMNUS FRANGULA*	Glossy buckthorn	-	shrub	-1	
<i>Rhus glabra</i>	Smooth sumac	2	tree	5	
<i>Rhus typhina</i>	Staghorn sumac	2	tree	5	
ROBINIA PSEUDOACACIA	Black locust	-	tree	4	
ROSA MULTIFLORA*	Multiflora rose	-	shrub	3	
<i>Rosa palustris</i>	Swamp rose	5	shrub	-5	
<i>Rubus allegheniensis</i> *	Common blackberry	1	shrub	2	
<i>Rubus flagellaris</i> *	Northern dewberry	1	shrub	4	
<i>Rubus hispidus</i>	Swamp dewberry	4	shrub	-3	

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<i>Rubus occidentalis</i>	Black raspberry	1	shrub	5	
<i>Rubus strigosus</i>	Red raspberry	2	shrub	-2	
SALIX BABYLONICA	Weeping willow	-	??	??	
<i>Salix exigua</i>	Sandbar willow	1	shrub	-5	
<i>Salix nigra</i>	Black willow	5	tree	-5	
<i>Sambucus canadensis</i> *	Common elderberry	3	shrub	-2	
<i>Sassafras albidum</i>	Sassafras	5	tree	3	
<i>Tilia americana</i> *	American basswood	5	tree	3	
<i>Toxicodendron radicans</i> (<i>Rhus radicans</i>)	Poison ivy	2	vine	-1	
<i>Ulmus americana</i> *	American elm	1	tree	-2	
<i>Viburnum acerifolium</i> *	Mapleleaf viburnum	6	shrub	5	
<i>Viburnum dentatum</i>	Northern arrowwood	6	shrub	-2	
<i>Viburnum opulus</i> var. <i>americanum</i>	Cranberry viburnum	5	shrub	-3	
<i>Vitis riparia</i> *	Riverbank grape	3	vine	-2	