

WILDFLOWERS	Common Name	Ht(cm)	shade	part shade	full sun	moist
<i>Achillea millefolium</i>	Yarrow	30-90			*	
<i>Acorus americanus</i>	Sweet Flag	30-125				aquatic
<i>Agastache foeniculum</i>	Anise Hyssop	60-120			*	
<i>Alisma triviale</i>	Water Plantain					aquatic
<i>Allium canadense</i>	Wild Garlic	15-45				
<i>Allium cernuum</i>	Nodding Wild Onion	30-60			*	
<i>Allium tricoccum</i>	Wild Leek	10-30				
<i>Amorpha canescens</i>	Leadplant	60-120			*	
<i>Amsonia tabernaemontana</i>	Blue Star Willow-leaf Amsonia	30-90				
<i>Anaphalis margaritacea</i>	Pearly Everlasting	30-90			*	
<i>Anemone canadensis</i>	Canada Anemone	30-60				
<i>Anemone cylindrica</i>	Thimbleweed	60-90			*	
<i>Anemone patens</i>	Pasque flower, Prairie Crocus	10-20			*	
<i>Antennaria neglecta</i>	Field Pussytoes	10-30			*	
<i>Antennaria plantaginifolia</i>	Plantain-leaved Pussytoes	10-40			*	
<i>Apocynum cannabinum</i>	Hemp Dogbane	30-120				
<i>Aquilegia canadensis</i>	Columbine, Wild	30-60				
<i>Arisaema triphyllum</i>	Jack-in-the-Pulpit	30-40				
<i>Artemisia ludoviciana</i>	White Sage	60-90			*	
<i>Aruncus dioicus</i>	Bride's Feathers, Goat's Beard	120-180				
<i>Asarum canadense</i>	Wild Ginger	15-30				
<i>Asclepias incarnata</i>	Swamp Milkweed	30-150				
<i>Asclepias syriaca</i>	Common Milkweed	60-180			*	
<i>Asclepias tuberosa</i>	Butterfly Milkweed	60-90			*	
<i>Asclepias verticillata</i>	Whorled Milkweed	30-60			*	
<i>Aster azureus</i>	Sky Blue Aster	30-100				
<i>Aster ciliolatus</i>	Fringed Blue Aster	30-90				
<i>Aster cordifolius</i>	Blue Wood Aster	30 - 120				
<i>Aster ericoides</i>	Heath Aster	30-90			*	
<i>Aster laevis</i>	Smooth Aster	30-90				
<i>Aster novae-angliae</i>	New England Aster	90-180				
<i>Astragalus canadensis</i>	Canada Milk Vetch	30-120				
<i>Baptisia australis</i>	Blue False Indigo	90-120			*	
<i>Blephilia ciliata</i>	Downy Woodmint	30-90		*		
<i>Calla palustris</i>	Wild Calla, Water Arum	15-30				aquatic
<i>Callirhoe involucrata</i>	Purple Poppy Mallow	15-30			*	
<i>Caltha palustris</i>	Marsh Marigold	30-60				
<i>Camassia scilloides</i>	Wild Hyacinth	30-60				
<i>Campanula rotundifolia</i>	Harebell	15-45			*	
<i>Caulophyllum thalictroides</i>	Blue Cohosh	30-90				
<i>Chelone glabra</i>	Turtlehead	30-90				
<i>Chelone obliqua</i>	Red Turtlehead	30-90				
<i>Coreopsis lanceolata</i>	Lance-leaved Coreopsis	30-60			*	
<i>Coreopsis palmata</i>	Stiff Coreopsis	30-90			*	
<i>Coreopsis tripteris</i>	Tall Coreopsis	90-300			*	
<i>Coreopsis verticillata</i>	Whorled Coreopsis	30-60			*	
<i>Corydalis sempervirens</i>	Pale Corydalis	15-60			*	
<i>Desmodium canadense</i>	Showy Tick Trefoil	60-180			*	
<i>Dicentra cucullaria</i>	Dutchman's Breeches	12-20				
<i>Dodecatheon meadia</i>	Shooting Star	25-60				
<i>Echinacea angustifolia</i>	Narrow-leaf Purple Coneflower	30-90			*	

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<i>Echinacea purpurea</i>	Purple Coneflower	60-150			*	
<i>Echinacea tennesseensis</i>	Tennessee Purple Coneflower	30-60				
<i>Epilobium angustifolium</i>	Fireweed	90-210				
<i>Eryngium yuccifolium</i>	Rattlesnake-masters	30-120			*	
<i>Eupatorium maculatum</i>	Spotted Joe-pye	60-200				
<i>Eupatorium perfoliatum</i>	Boneset	60-120				
<i>Eupatorium rugosum</i>	White Snakeroot	45-90		*		
<i>Filipendula rubra</i>	Queen-of-the-Prairie	60-240				
<i>Fragaria vesca</i>	Wood Strawberry	8-15				
<i>Fragaria virginiana</i>	Wild Strawberry	8-15				
<i>Gaillardia aristata</i>	Blanket Flower	30-45				
<i>Gentiana andrewsii</i>	Bottle Gentian	30-60				
<i>Geranium maculatum</i>	Wild Geranium	30-60				
<i>Geranium robertianum</i>	Herb-Robert	20-45				
<i>Geum rivale</i>	Water or Purple Avens	30-60				
<i>Geum triflorum</i>	Prairie Smoke	15-45			*	
<i>Geum virginianum</i>	Rough Avens	30-75				
<i>Gillenia stipulata</i>	American Ipecac	60-120				
<i>Helenium autumnale</i>	Sneezeweed	60-150				
<i>Helianthus divaricatus</i>	Woodland Sunflower	60-200				
<i>Helianthus giganteus</i>	Tall Sunflower	120-300				
<i>Helianthus laetiflorus</i>	Showy Sunflower	60-180			*	
<i>Helianthus maximiliani</i>	Maximilian Sunflower	90-240			*	
<i>Helianthus mollis</i>	Hairy Sunflower	60-180			*	
<i>Helianthus strumosus</i>	Pale-leaved Woodland Sunflower	60-150				
<i>Helianthus tuberosus</i>	Jerusalem Artichoke	180-300			*	
<i>Heliopsis helianthoides</i>	Ox-eye	60-150			*	
<i>Hepatica acutiloba</i>	Sharp-lobed Hepatica	10-20				
<i>Hibiscus moscheutos</i>	Marsh Hibiscus	150-200				
<i>Hieracium canadense</i>	Canada Hawkweed	60-150				
<i>Houstonia longifolia</i>	Long-leaved Bluet	12-25			*	
<i>Hypericum pyramidatum</i>	Geat St.John's wort	60-150				
<i>Impatiens capensis</i>	Spotted Touch-me-not	60-150				
<i>Iris versicolor</i>	Blue Flag Iris	60-90				
<i>Lespedeza capitata</i>	Round-headed Bush Clover	60-150			*	
<i>Liatris aspera</i>	Rough Blazing Star	60-150			*	
<i>Liatris cylindracea</i>	Cylindrical Blazing Star	20-60			*	
<i>Liatris pycnostachya</i>	Prairie Blazing Star	30-120			*	
<i>Liatris spicata</i>	Dense Blazing Star	30-150			*	
<i>Lilium michiganense</i>	Michigan Lily	60-100				
<i>Lilium philadelphicum</i>	Wood Lily	30-90		*	*	
<i>Lobelia cardinalis</i>	Cardinal Flower	60-120				
<i>Lobelia inflata</i>	Indian Tobacco (annual)	15-75				
<i>Lobelia siphilitica</i>	Great Lobelia	30-90				
<i>Lupinus perennis</i>	Lupine	30-60			*	
<i>Lysimachia ciliata</i>	Fringed Loosestrife	30-120				
<i>Lysimachia quadrifolia</i>	Whorled Loosestrife	30-90				
<i>Lysimachia terrestris</i>	Swamp Candles	30-90				
<i>Lysimachia thysiflora</i>	Tufted Loosestrife	30-60				
<i>Lythrum alatum</i>	Wide-angled Loosestrife	30-120				
<i>Mertensia virginica</i>	Virginia Bluebells	30-60				

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<i>Maianthemum canadense</i>	Canada Mayflower	5-25				
<i>Mimulus ringens</i>	Square-stemmed Monkey Flower	30-90				
<i>Monarda didyma</i>	Monarda (Bee Balm)	90-120				
<i>Monarda fistulosa</i>	Wild Bergamot	50-120			*	
<i>Oenothera biennis</i>	Evening Primrose	30-150			*	
<i>Oenothera fruticosa</i>	Sundrops	30-90				
<i>Oenothera missouriensis</i>	Missouri Primrose	30-45				
<i>Opuntia fragilis</i>	Fragile Prickly Pear Cactus	5-10			*	
<i>Opuntia humifusa</i>	Eastern Prickly Pear Cactus	10-15			*	
<i>Opuntia polyacantha</i>	Plains Prickly Pear Cactus	10-15			*	
<i>Parthenium integrifolium</i>	Wild Quinine	30-120				
<i>Penstemon digitalis</i>	Foxglove Beardtongue	60-150			*	
<i>Penstemon grandiflorus</i>	Large-flowered Beardtongue	60-120				
<i>Penstemon hirsutus</i>	Hairy Beardtongue	30-90			*	
<i>Petalostemum purpureum</i>	Purple Prairie Clover	30-90			*	
<i>Phlox divaricata</i>	Wild Blue Phlox	25-45				
<i>Physostegia virginiana</i>	Obedient Plant	60-90				
<i>Podophyllum peltatum</i>	Mayapple	30-45				
<i>Polemonium reptans</i>	Jacob's Ladder	30-45				
<i>Polygonatum caniculatum</i>	Great Solomon's Seal	60-240				
<i>Potentilla anserina</i>	Silverweed	30-90				
<i>Potentilla arguta</i>	Tall Cinquefoil	30-90			*	
<i>Pycnanthemum pilosum</i>	Hairy Mountain Mint	30-75			*	
<i>Pycnanthemum virginianum</i>	Mountain Mint	30-75			*	
<i>Ratibida columnifera</i>	Prairie Coneflower	60-90			*	
<i>Ratibida pinnata</i>	Gray-headed Coneflower	90-120			*	
<i>Rudbeckia hirta</i>	Black-eyed Susan	30-90			*	
<i>Rudbeckia laciniata</i>	Green-headed Coneflower	90-180				
<i>Rudbeckia subtomentosa</i>	Sweet Black Eyed Susan	30-120				
<i>Rudbeckia triloba</i>	Branched Coneflower	60-150				
<i>Ruellia humilis</i>	Wild Petunia	20 - 30				
<i>Sagittaria latifolia</i>	Broad-leaved Arrowhead	30-100				aquatic
<i>Sanguinaria canadensis</i>	Bloodroot	15-30				
<i>Sarracenia purpurea</i>	Pitcher Plant	30-60				acidic (bog)
<i>Scrophularia lanceolata</i>	Figwort	90-240				
<i>Silene regia</i>	Royal Catchfly	60-120				
<i>Silphium laciniatum</i>	Compass Plant	120-300				
<i>Silphium perfoliatum</i>	Cup Plant	120-240				
<i>Silphium terebinthinaceum</i>	Prairie Dock	120-300				
<i>Smilacina racemosa</i>	Solomon's Seal, False	30-90				
<i>Solidago flexicaulis</i>	Zigzag Goldenrod	30-90				
<i>Solidago ohioensis</i>	Ohio Goldenrod	90-120				
<i>Stylophorum diphyllum</i>	Wood Poppy	30-40				
<i>Thalictrum dasycarpum</i>	Purple Meadowrue	60-180				
<i>Thalictrum dioicum</i>	Early Meadow-rue	30-60				
<i>Thalictrum polygamum</i>	Tall Meadow-rue	90-240				
<i>Tiarella cordifolia</i>	Foamflower	15-30				
<i>Tradescantia ohiensis</i>	Spiderwort	30-90				
<i>Trillium grandiflorum</i>	Trillium, white	30-45				
<i>Verbena hastata</i>	Vervain, Blue	45-150				
<i>Verbena stricta</i>	Hoary Vervain	60-90			*	

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<i>Vernonia fasciculata</i>	Ironweed	120-180				
<i>Vernonia missurica</i>	Ironweed	90-210			*	
<i>Vernonia noveboracensis</i>	New York Ironweed	90-180				
<i>Veronicastrum virginicum</i>	Culver's Root	90-180				

GRASSES / SEDGES / GRASS-LIKE PLANTS	Common Name	Ht(cm)	shade	part shade	full sun	moist
<i>Andropogon gerardii</i>	Big Bluestem, Turkey Claw	75-150			*	
<i>Bouteloua curtipendula</i>	Side Oats Grama, Mesquite	30-100			*	
<i>Bromus kalmii</i>	Kalm's or Prairie Brome	30-90				
<i>Calamagrostis canadensis</i>	Canada Blue Joint	45-150				
<i>Elymus canadensis</i>	Canada Wild Rye	75-180			*	
<i>Elymus virginicus</i>	Virginia Wild Rye	30-150				
<i>Eragrostis spectabilis</i>	Purple Love Grass	20-45			*	
<i>Hierochloa odorata</i>	Sweetgrass	30-60				
<i>Hystrix patula</i>	Bottlebrush Grass	60-150				
<i>Juncus tenuis</i>	Path Rush	15-60				
<i>Koeleria macrantha/cristata</i>	June Grass	30 - 60			*	
<i>Panicum virgatum</i>	Switch Grass	to 200			*	
<i>Schizachyrium scoparium</i>	Little Bluestem	45-150			*	
<i>Sorghastrum nutans</i>	Indian Grass	90-200			*	
<i>Spartina pectinata</i>	Prairie Cordgrass	60-210				

FERNS	Common Name	Ht(cm)	shade	part shade	full sun	moist
<i>Adiantum pedatum</i>	Maidenhair Fern	30-45				
<i>Athyrium filix-femina</i>	Lady Fern	45-90				
<i>Cystopteris bulbifera</i>	Bulblet Fern	30-90				
<i>Dryopteris marginalis</i>	Wood Fern	45-60				
<i>Matteuccia struthiopteris</i>	Ostrich Fern	90-150				
<i>Onoclea sensibilis</i>	Sensitive Fern	30-60				
<i>Osmunda cinnamomea</i>	Cinnamon Fern	60-150				
<i>Osmunda regalis</i>	Royal Fern	60-150				
<i>Polystichum acrostichoides</i>	Christmas Fern	45-60				

SHRUBS	Common Name	Ht(m)	shade	part shade	full sun	moist
<i>Alnus rugosa</i>	Speckled Alder	8				
<i>Amelanchier alnifolia</i>	Saskatoon	1-4				
<i>Amelanchier canadensis</i>	Shadblow Serviceberry	4 -5				
<i>Aronia melanocarpa</i>	Chokeberry	2.5				
<i>Ceanothus americanus</i>	New Jersey Tea	< 1				
<i>Cephalanthus occidentalis</i>	Buttonbush	3				
<i>Cornus alternifolia</i>	Pagoda Dogwood	4-6				
<i>Cornus amomum</i>	Silky Dogwood	3				
<i>Cornus racemosa</i>	Gray Dogwood	2				
<i>Cornus stolonifera</i>	Red Osier Dogwood	2-3				
<i>Corylus americana</i>	American Hazelnut	2-3				
<i>Diervilla lonicera</i>	Bush Honeysuckle	< 1				
<i>Hamamelis virginiana</i>	Witch Hazel	up to 6				
<i>Hudsonia tomentosa</i>	Beach Heath	<20cm	sandy beaches/clearings			

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SHRUBS (CONT'D)	Common Name	Ht(m)	shade	part shade	full sun	moist
<i>Hypericum kalmianum</i>	Kalm's St. John's-wort	1		sandy, rocky sites		
<i>Hypericum prolificum</i>	Shrubby St John'swort	1-2				
<i>Ilex verticillata</i>	Winterberry	3-4				
<i>Physocarpus opulifolius</i>	Ninebark	2-3				
<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	< 1 m				
<i>Prunus virginiana</i>	Choke Cherry	2-3				
<i>Rhus aromatica</i>	Fragrant Sumac	1.5	dry, rocky sites esp. on limestone			
<i>Rhus typhina</i>	Staghorn Sumach	6		sandy to rocky soils		
<i>Ribes americanum</i>	Wild Black Currant	3-5				
<i>Ribes cynosbati</i>	Prickly Gooseberry	< 1 m				
<i>Rosa carolina</i>	Pasture Rose	< 1				
<i>Rosa palustris</i>	Swamp Rose	2				
<i>Rubus occidentalis</i>	Black Raspberry	2				
<i>Rubus odoratus</i>	Purple Flowering Raspberry	1-1.5				
<i>Salix bebbiana</i>	Bebb's Willow	1.5				
<i>Salix discolor</i>	Pussy Willow	6				
<i>Sambucus canadensis</i>	Black Elderberry	3				
<i>Sambucus racemosa</i>	Red Elderberry	4				
<i>Sorbus americana</i>	Mountain Ash	10				
<i>Spirea alba</i>	Narrow-leaved Meadowsweet	1.5				wet to dry
<i>Symphoricarpos albus</i>	Snowberry	< 1				
<i>Viburnum dentatum</i>	Arrowwood	1-3				
<i>Viburnum lentago</i>	Nannyberry	6				
<i>Viburnum trilobum</i>	Highbush Cranberry	4				

VINES	Common Name	Form	shade	part shade	full sun	moist
<i>Adlumia fungosa</i>	Climbing Fumitory (biennial)	non-woody				
<i>Amphicarpa bracteata</i>	Hog Peanut	non-woody				
<i>Apios americana</i>	Groundnut	non-woody				
<i>Aristolochia serpentaria</i>	Virginia Snakeroot	non-woody				
<i>Campsis radicans</i>	Trumpet Creeper	woody		sandy soil		
<i>Celastrus scandens</i>	Bittersweet	woody				
<i>Clematis verticillaris</i>	Purple Clematis	woody				
<i>Clematis virginiana</i>	Virgin's Bower	woody				
<i>Dioscorea quaternata</i>	Wild Yam	non-woody				
<i>Echinocystis lobata</i>	Wild Cucumber	annual				
<i>Ipomoea pandurata</i>	Wild Potato Vine	non-woody			*	
VINES (cont'd)	Common Name	Form	shade	part shade	full sun	moist
<i>Lonicera dioica</i>	Glaucous Honeysuckle	woody				
<i>Lonicera oblongifolia</i>	Hairy Honeysuckle	woody				
<i>Lonicera sempervirens</i>	Trumpet Honeysuckle	woody				
<i>Menispermum canadense</i>	Moonseed Vine	woody				
<i>Parthenocissus vitacea</i>	Virginia Creeper	woody				
<i>Smilax herbacea</i>	Carrion Flower	non-woody				
<i>Smilax rotundifolia</i>	Round-leaved Greenbrier	woody				
<i>Vitis riparia</i>	Riverbank Grape	woody				

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TREES	Common Name	Ht(m) max.	Shade tolerant	Shade intolerant	well-drained	moist
<i>Abies balsamea</i>	Balsam Fir	25				
<i>Acer nigrum</i>	Black Maple	35				
<i>Acer rubrum</i>	Red Maple	25	moderately			
<i>Acer saccharum</i>	Sugar Maple	35				
<i>Acer saccharinum</i>	Silver Maple	30				
<i>Aesculus flava</i>	Yellow Buckeye					
<i>Aesculus glabrra</i>	Ohio Buckeye	15	moderately			
<i>Amelanchier laevis</i>	Service Berry	10				
<i>Betula alleghaniensis</i>	Yellow Birch	25	moderately			
<i>Betula papyrifera</i>	White Birch	25				
<i>Carya cordiformis</i>	Bitternut Hickory	25	moderately			
<i>Catalpa speciosa</i>	Catalpa	20	moderately			
<i>Celtis occidentalis</i>	Hackberry	15	moderately			
<i>Cercis canadensis</i>	Redbud	8			nutrient-poor	
<i>Fraxinus nigra</i>	Black Ash	15	moderately			
<i>Fraxinus pennsylvanica</i>	Green Ash					
<i>Gleditsia triacanthos</i>	Honey Locust	30				
<i>Juglans cineria</i>	Butternut	25			fertile	
<i>Juniperus virginiana</i>	Red Cedar	10				
<i>Larix laricina</i>	Tamarack	25				
<i>Liriodendron tulipifera</i>	Tulip Tree	35				
<i>Nyssa sylvatica</i>	Black Gum	20	moderately			
<i>Ostrya virginiana</i>	Hop Hornbeam					
<i>Picea glauca</i>	White Spruce	25	moderately			
<i>Pinus resinosa</i>	Red Pine	25			sandy, rocky	
<i>Pinus strobus</i>	White Pine	30	moderately			
<i>Platanus occidentalis</i>	American Sycamore	35	moderately			
<i>Populus balsamifera</i>	Balsam Poplar	25				
<i>Populus deltoides</i>	Eastern Cottonwood	30				
<i>Populus grandidentata</i>	Big Tooth Aspen	20				
<i>Populus tremuloides</i>	Trembling Aspen	25		ideal nurse crop for shade tolerant species		
<i>Prunus serotina</i>	Black Cherry	22				
<i>Quercus alba</i>	White Oak	35	moderately			
<i>Quercus bicolor</i>	Swamp Oak	30				
<i>Quercus macrocarpa</i>	Bur Oak	18	moderately			
<i>Quercus muehlenbergii</i>	Chinquapin Oak	30	moderately			
<i>Quercus prinoides</i>	Dwarf Chinquapin Oak	6	moderately			
<i>Quercus rubra</i>	Red Oak	25	moderately			
<i>Sorbus americana</i>	American Mountain Ash	10	moderately			
<i>Thuja occidentalis</i>	White Cedar	15	moderately			
<i>Tilia americana</i>	Basswood	30				
<i>Tsuga canadensis</i>	Eastern Hemlock	30				
<i>Ulmus americana</i>	White Elm	24				

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