

# What is Winter Sowing?

Springfield Organic Gardening Club  
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**Formal Definition:** A propagation method used throughout the winter where temperate climate seeds are sown into protective vented containers and placed outdoors to foster a naturally timed, high percentage germination of climate tolerant seedlings.

**Casual Definition:** Winter sowing is the process of planting seeds in plastic containers, putting the containers outside for the winter and forgetting about them until the seedlings emerge in the spring. Yes, it really is that easy.

**The idea is** the containers act like mini greenhouses and protect the seeds from wildlife and any super harsh winter weather while they are exposed to weather fluctuation and the moisture of snow, sleet and rain as in nature if humans were not involved. Many people find much better germination rates with far healthier seedlings than starting the seeds indoors.

**Benefits:** Low cost, mimics nature's process of seed starting. Does not take up room indoors, no electrical heating or lighting or refrigeration required.

**Tip for new Winter Sowers:** In early winter, sow seeds of woody plants, hardy annuals, biennials and perennials. As winter progresses you may continue to sow hardy plant seed including cold-season vegetables, towards the very end of winter you can sow seeds of tender plants that need warm soil to sprout. Some seeds don't require winter weather to sprout but still benefit from Winter Sowing. Seeds germinated outdoors become acclimated and will not require hardening-off.

**Seed Selection and Key Terms:** Most seed catalogs and seed packets include germination requirements, or key terms. Look for the following:

Needs Pre-chilling (freeze seeds, refrigerate seeds, stratify for x amount of days or weeks), Needs Stratification, Will Colonize, Self-Sows, Sow outdoors in early Autumn, Sow outdoors in early Spring while nights are still cool, Sow outdoors in early Spring while frosts may still occur, Hardy Seeds, Seedlings can withstand frost, Can be direct sown early, Wildflower, Weed (ex: butterfly weed, joe pye weed, jewel weed).

**Look for terms indicating a natural environment:** Plains, Prairie, Desert, Mountain, Swamp, Field, River

**Look for terms indicating origin in a temperate climate:** Siberian, Chinese, Polar, Alpine, Orientale, Canadensis, Caucasian, Russian (Soviet origin).

## Materials Needed:

Food grade plastic containers  
Scissors and/or a sharp knife  
Duct tape, freezer grade tape, or clear packing tape.  
Sharpie, weather resistant marker, or pencil  
Seed starting mix  
Seeds  
Water Source

**Start Date:** Winter Solstice (December 21st) through the time when evening temps are comfortable for you without a scarf or extra sweater.

- 1. Collect and repurpose containers** found around your house. Plastic gallon, half-gallon milk jugs (no lids), takeout containers (clamshell or two-part containers with clear lids), and plastic tubs from pre-washed salad greens make excellent winter sowing containers. Experienced winter sowers prefer milk jugs. (Tall, lets light, air and water in, excess water out).
- 2. Lose the cap.** If your container has a cap, definitely remove it. The top opening of a jug permits not only ventilation, but the necessary entry of rain, snow and sleet. Especially on sunny days, your greenhouse will heat up and become quite humid. The vented top will permit excess heat and humidity to escape.
- 3. Make a hinged cover.** Just below the base of the handle, cut almost all the way around the jug, leaving a half-inch to one inch hinge. Use a pen-knife or scissors. You will use this hinge to check on seedlings and to open the container up in the spring to aerate the seedling, harden them off, and regulate temperature.
- 4. Create holes for drainage** in the bottom and sides of the container. Soldering irons work best, heated Phillips head screw driver, scissors, or knife work too. Drainage is essential for the seedlings. Go for holes the width of a pencil: Six on the bottom, one on each side.

5. **Label your container** with duct tape or freezer grade tape and a waterproof, permanent marker. Write the name of the plant and date sown on the tape. Apply it to the underside of the container. Doing so helps prevent sunlight from fading the label. Or you may label the outside top of the container, but keep in mind the sun might fade it to where you can no longer read it by the time it is ready to plant. Create a second label for future garden use, use pencil and a store-bought seed flat label, or recycled mini-blinds and include the label in the soil mix. You can use this when you plant into the garden.

6. **Fill the container with 2-3 inches of soilless growing medium or potting soil**, available at garden centers and home improvement stores. Do not use potting mixes with herbicides that will prevent your seeds from sprouting. Look for or ask for organic potting and growing mixes.

7. **Soak the soil with water** and let drain thoroughly. Amend with vermiculite if it drains too slow.

8. **Sow your seeds** onto the soil surface. Very fine seed, such as that of foxgloves, perennial poppies, or lettuce, do not need to be covered. Otherwise, cover with a layer of soilless mix, sand, or vermiculite to the depth indicated by seed packet. No instructions? Plant seeds 2-3 times as deep as they are thick.

9. **Water gently again.** Use the spray attachment to your kitchen sink, a rain nozzle at the end of a watering can or wand, or a spray bottle. Do not to flood the seed.

10. **Close the hinged lid and secure in place** with 2-3 pieces of duct tape. You don't need to place the tape completely around the cut opening. Just be sure to add enough tape to ensure that the lid doesn't blow open.

11. **Set the container outside** in a spot where it will be exposed to the weather, but out of the way of most animals. The top of a picnic table makes a great spot, but the ground is just fine. Make sure the container is not protected by the eaves of your house, or it will dry out. Place them in a location where they will be safe from getting knocked or blown over and where you can get to them easily in the spring. Once they start sprouting you'll need to give them regular attention.

12. **Leave them alone** until they start to sprout and the weather warms. The beauty of the winter-sowing technique is that it requires no further intervention by the gardener until you see seedlings emerge as the weather warms.

13. **Don't let them get too hot!** As the weather warms, you need to open the tops during the day to keep the seedlings from baking in their greenhouses. It can get very warm inside. Regulate temperature by opening the lids during the day and closing them back up for the night. Or you may gradually add holes in the top as needed about once a week. The lids of your containers will need to remain in place until the weather warms, but could be opened if the sun is out and temperatures are above freezing (around 40-50°F).

14. **After sprouting, water as needed.** Some find it easier to water the jugs from the bottom. Set the jugs into a large tray filled with water and let them soak up the water through the bottom drainage holes. It takes a bit longer than trying to water them through the top holes, but it's easier on the seedlings and waters the mix more thoroughly. Eventually, lids may be left open or removed to allow seedlings to harden off completely.

**Keep an eye on them.** Some seedlings will grow more quickly and earlier than others, Keep an eye on each container. Note: *They can blow away.* Do protect them from fierce winds or storms by moving them to unheated shelter.

15. **Plant the seedlings in your garden!** The first set of leaves you will see are called the seed leaves or cotyledons, which nourish the plant until the next set of leaves called "true leaves". When they appear, and you are comfortable hard freezes are over, you may begin to transplant into permanent beds when the soil is workable or divide into pots.

**When are you done?** When you no longer feel like you need a scarf or sweater to be outside in the evening. The seedlings will be naturally hardened off by their exposure to the elements. So long as you plant them into the garden when the ground is ready, they'll survive just fine without additional nutrients.

# Vegetables for Winter Sowing?

If you have challenges direct sowing vegetable seeds, eaten by birds or critters, desiccating or rotting in the soil, insects eating them, or there's insufficient germination (for whatever reason) try Winter Sowing your vegetable seeds. Good choices include but are not limited to:

Onions - Allium family	Cucumbers - Curcubit family
Shallots - Allium family	Squash - Curcubit family
Garlic - Allium family	Pumpkins - Curcubit family
Chives - Allium family	Melons - Curcubit family
Artichokes (zone seven and warmer)	Gourds - Curcubit family
Asian Vegetables (any)	Herbs (edible & ornamental)
Beans - Fabaceae family	Kale - Brassica family
Beets - Chenopodium family	Leafy Greens
Cabbage - Brassica family	Lettuces - Asteraceae family
Broccoli - Brassica family	Eggplant - Nightshade family
Brussels sprouts - Brassica family	Tomatoes - Nightshade family
Kale - Brassica family	Peppers - Nightshade family
Collards - Brassica family	Potatoes - Nightshade family (from real seeds, not seed potatoes)
Carrots - Apiaceae family	Parsnip - Apiaceae family
Celery - Apiaceae family	Peas - Fabaceae family
Celeriac - Apiaceae family	Radishes - Brassica family
Chard -Chenopodium family	Spinach - Amaranth family
Corn (select an "early" type which will germinate at lower temps)	

## Native Plant Seed List for USDA Zones 5-7

16 pages listing over 800 plants begins on page 12: [goo.gl/hPQf3X](http://goo.gl/hPQf3X)

## Internet Resources

Winter Sowing: [wintersown.org](http://wintersown.org) (menu at bottom of page)

Winter Sowing Frequently Asked Questions [FAQ] : [faq.gardenweb.com/faq/wtrsow/etable](http://faq.gardenweb.com/faq/wtrsow/etable)

Native Plant Database » Grow Native: [grownative.org/native-plant-info/plant-picker](http://grownative.org/native-plant-info/plant-picker)

Google images: [images.google.com](http://images.google.com) (search for "winter sowing")

YouTube: [youtube.com](http://youtube.com) (search for "winter sowing")

Winter Sowing Discussion Group (Very Active): [forums2.gardenweb.com/forums/wtrsow](http://forums2.gardenweb.com/forums/wtrsow)

# Hardy Annuals for Winter Sowing

A hardy annual is typically tolerant of colder temperatures and is generally capable of reseeding in most gardens. Here's a list of hardy annuals suggestions for Winter Sowing. Tender annuals are recommended for sowing a month before your winter season ends.

Abronia umbellata (sand-verbena)	Dianthus chinensis (China pinks)	Myosotis dissitiflora (forget-me-not)
Adonis aestivalis (pheasant's eye)	Diascia barberi (twinspur)	Nemesia strumosa (Cape jewels)
Ageratum houstonianum (floss flower)	Dicranostigma franchetianum (bright-yellow poppy)	Nemophila (baby blue-eyes)
Agrostemma githago (corn cockle)	Dimorphotheca aurantiaca (Cape marigold)	Nicandra (shoo-fly)
Alonsoa acutifolia (maskflower)	Dracocephalum moldavica (Moldavian dragonhead)	Nicotiana (flowering tobacco)
Amaranthus caudatus (love-lies-bleeding)	Echium creticum (bugloss)	Nigella (love-in-the-mist)
Amberboa moschata (sweet sultan)	Emilia javanica (tassel flower)	Osteospermum (Star of the Veldt)
Anagallis indica (blue pimpernel)	Eschschlotzia californica (California poppy)	Papaver (poppy)
Anchusa (bugloss)	Fagopyrum esculentum (buckwheat)	Petunia hybrida (petunias)
Alyssum maritimum (sweet alyssum)	Felicia bergeriana (kingfisher daisy)	Phacelia (scorpion weed)
Antirrhinum majus (snapdragons)	Gaillardia pulchella (blanket flower)	Phlox drummondii (drummond phlox)
Argemone mexicana (prickly poppy)	Gilia (bird's-eye)	Rehmannia angulata (Chinese foxgloves)
Asperula azurea (woodruff)	Godetia (fairyfan, farewell-to-spring)	Reseda odorata (mignonette)
Brachycome iberidifolia (swan river daisy)	Gypsophila (baby's breath)	Rudbeckia bicolor (gloriosa daisy)
Browallia demissa (bush violet)	Helianthus (sunflowers)	Salpiglossis sinuata (painted tongue) Salvia splendens (scarlet sage)
Bupleurum rotundifolium (ox-eye daisy)	Helichrysum (strawflower)	Sanvitalia procumbens (creeping zinnia)
Calandrinia grandiflora (red-maids)	Helipterum (paper daisy)	Saponaria vaccaria (soapwort)
Calendula (pot marigold)	Hunnemannia fumariifolia (Mexican tulip poppy)	Scabiosa (pincushion flower)
Callistephus (China aster)	Iberis (candytuft)	Schizanthus pinnatus (butterfly flower)
Campanula (annual Canterbury bells)	Ionopsidium acaule (false diamond-flower)	Senecio elegans (ragwort)
Celosia (cockscomb)	Lathyrus odoratus (sweet peas)	Silene armeria (none-so-pretty)
Centaurea (cornflower)	Lavatera (annual mallow)	Specularia speculum (Venus' looking glass)
Centranthus macrosiphon (valerian)	Leonorus (lion's paws)	Thunbergia alata (clockvine)
Chrysanthemum paludosum (mini-marguerite)	Limnanthes douglasii (poached-egg plant)	Tithonia rotundifolia (Mexican sunflower)
Clarkia elegans	Limonium sinuatum (statice)	Torenia fournieri (wishbone flower)
Collinsia bicolor (Chinese-houses)	Linaria bipartita (toadflax) Linum (flax)	Trachymene caerulea (laceflower)
Collomia coccinea (mountain-trumpet)	Lobularia (alyssum)	Tropaeolum (nasturtiums)
Consolida ajacis (Larkspur)	Lupinus (lupine)	Ursinia anethoides (dill-leaf ursinia)
Convolvulus (dwarf/bush morning glory)	Lychnis (catchfly)	Vaccaria (cow soapwort)
Coreopsis tintoria (calliopsis)	Malcomia maritima (Virginian stock)	Venidium fastuosum (Cape daisy)
Cosmos bipinnatus (tall cosmos)	Malope trifida (malope)	Viola tricolor (pansy)
Cosmos sulphureus (sulphur cosmos)	Malva (mallow)	Viscaria (rose-of-heaven)
Crepis rubra (hawks-beard)	Matthiola bicornis (night-scented stock)	Xeranthemum (everlasting flower)
Cuphea ignea (fiery cuphea)		
Cynoglossum (Chinese forget-me-not)		
Datura species (thorn-apple)		
Delphinium (larkspur)		

# Common Flower Garden Perennials for Winter Sowing

Here's a list of common garden perennials, I've listed the plants by common names with their zone ranges included. The zone ranges are "suggested", many of these plants will be hardier beyond the zone listing. As always, you can do a bit of research on the seeds you want to try germinating with Winter Sowing to learn more about the plant and see if it will be happy in your own garden. If you're unsure as to any seed's ability to germinate via Winter Sowing where you are then do hold some seeds back to winter sow close to the very end of winter.

Aster 4-9	Evening Primrose 5-8	Pampas Grass 7-10
Artemesia 3-8	Everlasting Sweet Pea 5-9	Pasque Flower 5-7
Astilbe 4-8	False Indigo 3-9	Penstemon 3-8
Baby's Breath 4-9	Flax 5-9	Persian Buttercup 7-10
Balloon Flower 4-9	Foxglove (b 4-8) (p 3-8)	Peruvian Lily 7-10
Bee Balm 4-9	Fleabane 6-9	Phlox 4-8
Bellflower 3-8	Fountain Grass 6-9	Pigsqueak 3-8
Blanket Flower 3-10	Gaura 5-8	Pincushion Flower 3-8
Blue-Eyed Grass 5-8	German Statice 3-9	Pinks 3-9
Blue Fescue 4-9	Geum 5-7	Plumbago 5-9
Blackberry Lily 5-9	Globe Thistle 3-8	Poppy 4-9
Blazing Star 4-9	Goat's Beard 3-7	Prairie Coneflower 3-10
Blue Beard 7-10	Heather 5-8	Prairie Sunflower 4-10
Butterfly Weed 3-9	Helenium 4-8	Primrose 5-8
Broom 6-9	Iceland 6-10	Pyrethrum 3-7
Cactus (varies by species, zones 3-10 included)	Hardy Hibiscus 5-10	Red Hot Poker 6-10
Canterbury Bells (b) 3-8	Helleborus 3-8	Rudbeckia 3-9
Carnation 4-8	Hollyhock 3-9	Rose Campion 4-8
Catmint 5-9	Hosta 3-9	Russian Sage 3-9
Candytuft 3-8	Iris 4-9	Salvia (varies by species 4-9)
Cinquefoil 5-8	Jack-in-the-Pulpit 5-9	Sea Holly 5-9
Chinese Lanterns 5-8	Jupiter's Beard 5-8	Sedum (varies by species 3-9)
Chrysanthemum 5-10	Joe-Pye Weed 5-8	Shasta Daisy 5-9
Clematis 5-9	Lamb's Ears 4-8	Sea Pink 6-8
Coral Bells 3-9	Leadwort 7-10	Snow-in-the-Summer 3-7
Coreopsis 4-10	Lily-of-the-Nile 6-10	Spurge 4-9
Coneflower 3-8	Lily-of-the-Valley 3-8	Sundrops 4-8
Cranesbill 5-8	Lily (Oriental varieties) 4-8	Toad Lily 4-9
Creeping Thyme 4-9	Lupine 4-8	Verbena 6-10
Cupid's Dart 5-10	Malva 4-8 Meadowsweet 3-8	Veronica 3-10
Daylily 4-10	Money Plant (b) 5-9	Viola 4-7
Delphinium 3-7	Mountain Bluet 3-8	Yarrow 3-10
English Daisy 4-8	Obediant Plant 4-8	
	Ox-Eye Daisy 3-8	

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Blazing Star 4-9	Goat's Beard 3-7	Prairie Coneflower 3-10
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Butterfly Weed 3-9	Helenium 4-8	Primrose 5-8
Broom 6-9	Iceland 6-10	Pyrethrum 3-7
Cactus (varies by species, zones 3-10 included)	Hardy Hibiscus 5-10	Red Hot Poker 6-10
Canterbury Bells (b) 3-8	Helleborus 3-8	Rudbeckia 3-9
Carnation 4-8	Hollyhock 3-9	Rose Campion 4-8
Catmint 5-9	Hosta 3-9	Russian Sage 3-9
Candytuft 3-8	Iris 4-9	Salvia (varies by species 4-9)
Cinquefoil 5-8	Jack-in-the-Pulpit 5-9	Sea Holly 5-9
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Delphinium 3-7	Mountain Bluet 3-8	Yarrow 3-10
English Daisy 4-8	Obediant Plant 4-8	
	Ox-Eye Daisy 3-8	

## **Middle Climate Winter Sowing, Native Plants Middle Zones ~ 5, 6 and 7**

*Here's a list of plants to try for the middle zones of 5, 6, and 7. The weather is less extreme during winter and summer than the other regions. Many, many plants will thrive and grow in this temperate climate. Please research your choices to see they are suited to your region.*

### **Middle Zones Winter Sowing ~ Native Seed List The Middle Zones ~ 5, 6 and 7**

Abronia fragrans - sand verbena  
Abronia villosa - desert sand verbena  
Acacia angustissima - whiteball acacia  
Acer grandidentatum - bigtooth maple  
Acer leucoderme - chalk maple  
Acer negundo - box elder  
Acer pensylvanicum - striped maple  
Acer rubrum - red maple  
Acer saccharinum - silver maple  
Acer saccharum - sugar maple  
Aconitum columbianum - Columbian monkshood  
Actaea pachypoda - white baneberry  
Actaea racemosa var. racemosa - black cohosh  
Actea rubra - red baneberry  
Aesculus glabra - Ohio buckeye  
Aesculus glabra var. arguta - Texas buckeye  
Aesculus pavia var. pavia - red buckeye  
Agarista populifolia - Florida hobblebush  
Ageratina altissima var. altissima - white snakeroot  
Ageratina havanensis - Havana snakeroot  
Aletris farinosa - white colic-root  
Allium canadense - meadow garlic  
Allium cernuum - nodding onion  
Allium stellatum - prairie onion  
Allium tricoccum - wild leek  
Allium validum - swamp onion  
Alnus serrulata - brookside alder  
Alnus viridis ssp. crispa - green alder  
Amelanchier alnifolia - Saskatoon serviceberry  
Amelanchier canadensis - Canadian service berry  
Amelanchier laevis - Allegheny service-berry  
Amianthium muscitoxicum - crow poison  
Amorpha fruticosa - false indigo-bush  
Ampelopsis arborea - peppervine  
Amsonia ciliata - fringed bluestar  
Amsonia tabernaemontana - eastern bluestar  
Anaphalis margaritacea - pearly everlasting  
Andropogon gerardii - big bluestem  
Andropogon glomeratus - bushy bluestem  
Andropogon ternarius - split-beard bluestem  
Andropogon virginicus - broom-sedge  
Anemone canadensis - Canada anemone  
Anemone caroliniana - Carolina anemone  
Anemone cylindrica - long-head thimbleweed  
Anemone multifida - Pacific anemone

Anemone quinquefolia - wood anemone  
Anemone virginiana - tall anemone  
Anemopsis californica - yerba mansa  
Aniscanthus quadrifidus var. wrightii - flame acanthus  
Antennaria ssp. - pussytoes  
Aphanostephus skirrhobasis - Arkansas doze-daisy  
Apocynum androsaemifolium - spreading dogbane  
Apocynum cannabinum - Indian hemp  
Aquilegia caerulea - Rocky Mountain columbine  
Aquilegia canadensis - red columbine  
Aquilegia chrysantha - golden columbine  
Aquilegia flavenescens - yellow columbine  
Aquilegia formosa - scarlet columbine  
Aralia nudicaulis - wild sarsparilla  
Aralia racemosa - American spikenard  
Aralia spinosa - devil's walkingstick  
Arctostaphylos alpina - black bearberry  
Arctostaphylos patula - green-leaf manzanita  
Arctostaphylos uva-ursi - red bearberry  
Argemone albiflora ssp. texana - white prickly poppy  
Argemone munita - flat-bud prickly poppy  
Arisaema draconitium - greendragon  
Arisaema triphyllum - jack-in-the-pulpit  
Arnica cordifolia - heart-leaf arnica  
Arnica latifolia - daffodil arnica  
Artemisia filifolia - silver sagebrush  
Artemisia frigida - prairie sagebrush  
Aruncus dioicus - goatsbeard  
Aruncus dioicus var. vulgaris - sylvan goatsbeard  
Asarum canadense - Canadian wild ginger  
Asclepias asperula - antelope horns  
Asclepias fascicularis - narrow-leaf milkweed  
Asclepias humistrata - sandhill milkweed  
Asclepias incarnata - swamp milkweed  
Asclepias lanceolata - red milkweed  
Asclepias speciosa - showy milkweed  
Asclepias sullivantii - prairie milkweed  
Asclepias tuberosa - butterfly milkweed  
Asclepias verticillata - whorled milkweed  
Asimina triloba - common pawpaw  
Astragalus canadensis - Canadian milk-vetch  
Atriplex canescens - four-wing saltbrush  
Baptisia alba - white wild indigo  
Baptisia australis - blue wild indigo  
Baptisia bracteata var. leucophaea - plains wild indigo  
Baccharis halimifolia - sea willow  
Baccharis salicifolia - seep willow  
Bacopa monnieri - water hyssop  
Baileya multiradiata - showy desert marigold  
Balsamorhiza hookeri - hairy balsamroot  
Balsamorhiza sagittata - arrow-leaf balsamroot  
Baptisia alba - white wild indigo  
Baptisia australis - blue wild indigo  
Baptisia bracteata var. leucophaea - plains wild indigo  
Berlandiera lyrata - lyre-leaf greeneyes  
Betula nigra - river birch

Betula papyrifera - paper birch  
Betula populifolia - grey birch  
Bignonia capreolata - crossvine  
Blephilia ciliata - downy pagoda-plant  
Borrchia frutescens - bushy seaside-tansy  
Bouteloua curtipendula - side-oats grama  
Bouteloua eriopoda - black grama  
Bouteloua gracillis - blue grama  
Bouteloua hirsuta - hairy grama  
Bouvardia ternifolia - firecracker-bush  
Bromus kalmi - prairie brome  
Buchloe dactyloides - buffalo grass  
Calla palustris - water dragon  
Callicarpa americana - American beauty-berry  
Callirhoe alcaeoides - pink poppy-mallow  
Callirhoe digitata - finger poppy-mallow  
Callirhoe involucrata - purple poppy-mallow  
Callirhoe papaver - woodland poppy-mallow  
Calochortus kennedyi - red mariposa-lily  
Calochortus macrocarpus - sagebrush mariposa-lily  
Calochortus nuttallii - mariposa lily  
Caltha palustris - yellow marsh-marigold  
Caltha leptosepala - white marsh-marigold  
Calycanthus floridus - Carolina allspice  
Calyophus berlandieri - squarebud primrose  
Calyophus lavandulifolius - lavender-leaf primrose  
Calyophus serrulatus - yellow evening primrose  
Camassia quamash - common camas  
Camassia scilloides - Atlantic camas  
Campanula rotundifolia - bluebell-of-Scotland  
Campanulastrum americanum - American bellflower  
Campsis radicans - trumpet vine  
Cardamine concatenata - cut-leaf toothwort  
Cardamine diphylla - two-leaved cutwort  
Carex stipata - stalk-grain sedge  
Carpinus caroliniana - American hornbeam  
Carya alba - mockernut hickory  
Carya illinoense - pecan  
Carya ovata - shag-bark hickory  
Castanea pumila - Allegheny Chinkapin  
Castilleja applegatei ssp. martini - desert paintbrush  
Castilleja coccinea - scarlet Indian paintbrush  
Castilleja indivisa - entire-leaf Indian paintbrush  
Castilleja integra - squawfeather  
Castilleja linariifolia - Wyoming Indian paintbrush  
Castilleja miniata - meadow paintbrush  
Castilleja rhexiifolia - rosy Indian paintbrush  
Castilleja sessiliflora- Great Plains Indian paintbrush  
Caulophyllum thalictroides - blue cohosh  
Catalpa speciosa - northern catalpa  
Caulophyllum thalictroides - blue cohosh  
Ceanothus americanus - New Jersey tea  
Ceanothus greggii var. vestitus - desert ceanothus  
Ceanothus herbaceus - prairie redroot  
Ceanothus velutinus - tobacco-brush  
Celtis laevigata - sugarberry

*Celtis occidentalis* - common hackberry  
*Centaurea americana* - American basket-flower  
*Cephalanthus occidentalis* - common buttonbush  
*Cercis canadensis* - redbud  
*Cercis canadensis* var. *texensis* - Texas redbud  
*Cercocarpus montanus* - mountain mahogany  
*Chamaecrista fasciculata* - partridge pea  
*Chamaecrista nictitans* - sensitive pea  
*Chamaelirium luteum* - fairywand  
*Chamerion angustifolium* ssp. *angustifolium* - willow herb  
*Chamerion latifolium* - dwarf fireweed  
*Chasmanthium latifolium* - Indian wood-oats  
*Chelone glabra* - white turtlehead  
*Chilopsis linearis* - desert willow  
*Chionanthus virginicus* - white fringetree  
*Chrysogonum virginianum* - green-and-gold  
*Chrysopsis mariana* - Marland golden-aster  
*Claytonia caroliniana* - Carolina springbeauty  
*Claytonia lanceolata* - lance-leaf springbeauty  
*Claytonia virginica* - springbeauty  
*Clematis columbiana* - purple virgin's-bower  
*Clematis crispa* - swamp leather-flower  
*Clematis hirsutissima* - sugarbowl  
*Clematis occidentalis* var. *occidentalis* - purple clematis  
*Clematis pitcheri* - bluebill  
*Clematis virginiana* - virgin's bower  
*Cleome lutea* - yellow beeplant  
*Cleome serrulata* - Rocky Mountain beeplant  
*Clethra acuminata* - mountain sweet-pepperbush  
*Clethra alnifolia* - summer sweet  
*Clintonia borealis* - yellow bluebead-lily  
*Clintonia umbellulata* - white bluebead-lily  
*Cocculus carolinus* - Carolina coralbead  
*Collinsonia canadensis* - citronella horsebalm  
*Collomia linearis* - narrow-leaf mountain trumpet  
*Commelina erecta* - white-mouth dayflower  
*Comptonia peregrina* - sweet-fern  
*Conoclinium coelestinum* - blue mistflower  
*Cooperia drummondii* - evening rain-lily  
*Coptis trifolia* - three-leaf goldthread  
*Coreopsis auriculata* - lobed tickseed  
*Coreopsis gladiata* - coastal tickseed  
*Coreopsis grandiflora* - large-flower tickseed  
*Coreopsis lanceolata* - lance-leaf tickseed  
*Coreopsis palmata* - stiff tickseed  
*Coreopsis tintctoria* - golden tickseed  
*Coreopsis tripteris* - tall tickseed  
*Coreopsis verticillata* - whorled tickseed  
*Cornus alternifolia* - alternate-leaf dogwood  
*Cornus canadensis* - Canadian bunchberry  
*Cornus drummondii* - rough-leaf dogwood  
*Cornus florida* - flowering dogwood  
*Cornus racemosa* - gray dogwood  
*Cornus sericea* - red-twig dogwood  
*Corydalis sempervirens* - pale corydalis  
*Cotinus obovatus* - American smoketree

Crataegus marshallii - parsley hawthorn  
Crataegus mollis - downy hawthorn  
Crataegus opaca - river-flat hawthorn  
Crataegus phaenopyrum - Washington hawthorn  
Cyrilla racemiflora - swamp titi  
Dalea candida var. candida - white prairie-clover  
Dalea formosa - featherplume  
Dalea frutescens - black prairie-clover  
Dalea purpurea var. purpurea - purple prairie-clover  
Dasiphora fruticosa ssp. floribunda - golden hardhack  
Decodon verticillatus - swamp loosestrife  
Delphinium barbeyi - subalpine larkspur  
Delphinium carolinanum - Carolina larkspur  
Delphinium carolinanum ssp. virescens - prairie larkspur  
Delphinium glaucum - tower larkspur  
Delphinium nuttallianum - two-lobed larkspur  
Delphinium parishii - ocean-blue larkspur  
Delphinium scaposum - bare-stem larkspur  
Delphinium tricorne - dwarf larkspur  
Desmanthus illinoensis - prairie bundle-flower  
Desmodium canadense - showy tick-trefoil  
Desmodium illinoense - Illinois tick-trefoil  
Dicentra canadensis - squirrel corn  
Dicentra cucullaria - dutchman's-breeches  
Dicentra eximia - fringed bleedingheart  
Dichelostemma capitatum ssp. capitatum - wild hyacinth  
Diervilla sessilifolia - southern bush-honeysuckle  
Dimorphocarpa wislizeni - spectacle pod  
Diospyros virginiana - common persimmon  
Dodecatheon amethystinum - amethyst shooting star  
Dodecatheon jeffreyi - tall mountain shootingstar  
Dodecatheon meadia - shooting star  
Doellingeria umbellata var. umbellata - flat-top aster  
Dracopis amplexicaulis - clasping coneflower  
Dryas octopetala - white mountain avens  
Dyssodia ssp. - dyssodia  
Echinacea angustifolia - narrow-leaved purple coneflower  
Echinacea pallida - pale purple coneflower  
Echinacea paradoxa - yellow coneflower  
Echinacea purpurea - eastern purple coneflower  
Echinocereus engelmannii - strawberry cactus  
Echinocereus fendleri - pink-flower hedgehog cactus  
Elaeagnus cummutata - wolf willow  
Elymus canadensis - Canadian wild rye  
Empetrum nigrum - black crowberry  
Encelia farinosa - brittlebush  
Engelmannia peristenia - Engelmann's daisy  
Epigaea repens - trailing arbutus  
Epilobium canum ssp. latifolium - hummingbird trumpet  
Epilobium obcordatum - rockfrunge  
Ericameria nauseosa ssp. nauseosa var. nauseosa - rabbitbrush  
Erigeron compositus - dwarf mountain fleabane  
Erigeron divergens - spreading fleabane  
Erigeron modestus - prairie fleabane  
Erigeron peregrinus - coastal fleabane  
Erigeron pulchellus - robin's plantain

Erigeron speciosus - aspen fleabane  
Eriogonum douglassi - Douglas' wild buckwheat  
Eriogonum inflatum - Indian pipeweed  
Eriogonum umbellatum - sulfur-flower wild buckwheat  
Eriophyllum lanatum - Oregon sunshine  
Erodium texanum - Texas stork's-bill  
Eryngium leavenworthii - Leavenworth's enrygo  
Eryngium yuccifolium - button snakeroot  
Erysimum capitatum - prairie rocket  
Erythrina herbacea - red cardinal  
Erythronium albidum var. albidum - white trout lily  
Erythronium americanum - american trout lily  
Erythronium grandiflorum - dogtooth violet  
Escholzia californica ssp. meixcana - Mexican gold poppy  
Eucephalus ledophyllus var. ledophyllus - Cascade wayside-aster  
Eunonymus americana - American strawberry-bush  
Eunonymus atropurpurea - burning bush  
Eunonymus obovata - running strawberry-bush  
Eupatorium fistulosum - joe-pye-weed  
Eupatorium maculatum - spotted joe-pye-weed  
Eupatorium perfoliatum - common joe-pye-weed  
Eupatorium purpureum - sweet scented joe-pye-weed  
Eupatorium occidentale - western thoroughwort  
Euphorbia corollata - flowering spurge  
Euphorbia maculatum - spotted joe-pye-weed  
Euphorbia marginata - snow-on-the- mountain  
Eurybia macrophyllus - large leaf wood-aster  
Eurybia sibirica - Siberian wood-aster  
Eustoma exaltatum ssp. russellianum - prairie gentian  
Euthamia graminifolia - flat-top goldenrod  
Fagus grandifolia - American beech  
Fallugia paradoxa - Apache plume  
Fendlera rupicola - false mock orange  
Filipendula rubra - queen-of-the-prairie  
Forestiera pubescens var. pubescens - desert olive  
Fothergilla gardenii - dwarf witch-alder  
Fragaria virginiana - wild strawberry  
Fragaria virginiana ssp. platypetala - western alpine strawberry Frangula caroliniana - Carolina false buckthorn  
Fraxinus americana - white ash  
Fraxinus pennsylvanica - green ash  
Fritillaria pudica - yellow missionbells  
Fritillaria recurva - scarlet missionbells  
Gaillardia aestivalis var. aestivalis - parairie gaillardia  
Gaillardia aristata - great blanket-flower  
Gaillardia arizonica - Arizona blanket-flower  
Gaillardia pinnatifida - yellow gailliardia  
Gaillardia pulchella - Indian blanket  
Gaillardia suavis - rayless gaillardia  
Galium boreale - northern bedstraw  
Galium triflorum - fragrant bedstraw  
Gaultheria procumbens - eastern teaberry  
Gaura biennis - biennial gaura  
Gaura coccinea - scarlet gaura  
Gaylussacia baccata - black huckleberry  
Gelsemium sempervirens - Carolina jessamine

Gentiana andrewsii - closed bottle gentian  
Gentiana calycosa - Rainier pleated gentian  
Gentiana clausa - bottle gentian  
Gentiana parryi - Parry's gentian  
Gentiana saponaria - soapwort gentian  
Gentianopsis crinita - greater fringed-gentian  
Geranium carolinianum - Carolina cranesbill  
Geranium maculatum - spotted cranesbill  
Geranium viscosissimum - sticky wild geranium  
Geum rivale - water avens  
Geum triflorum - prairie smoke  
Glandularia bipinnatifida var. bipinnatifida - prairie vervain  
Gleditsia triacanthos - honey locust  
Glycyrrhiza lepidota - American licorice  
Grayia spinosa - spiny hop-sage  
Gutierrezia sarothrae - broom snakeweed  
Gymnocladus dioica - Kentucky coffee tree  
Halesia diptera - American snowdrop tree  
Hamamelis virginiana - American witch hazel  
Hedyotis nigricans - bluets  
Helenium autumnale - fall sneezeweed  
Helianthus annuus - common sunflower  
Helianthus debilis - cucumber-leaf sunflower  
Helianthus giganteus - giant sunflower  
Helianthus maximilliani - Maximillion sunflower  
Helianthus pauciflorus ssp. pauciflorus - stiff sunflower  
Helianthus petiolaris - prairie sunflower  
Helianthus strumosus - woodland sunflower  
Helianthus tuberosus - Jerusalem artichoke  
Heliomeris multiflora var. multiflora - showy false goldeneye  
Heliopsis helianthoides - ox-eye sunflower  
Hepatica nobilis var. acuta - sharp-lobed hepatica  
Hepatica nobilis var. obtusa - round-lobed hepatica  
Heterotheca villosa var. villosa - golden-aster  
Heuchera americana - American alumroot  
Heuchera parviflora - little-leaf alumroot  
Heuchera rubescens - red alumroot  
Heuchera villosa - hairy alumroot  
Hexastylis arifolia var. arifolia - heart-leaf ginger  
Hexastylis shuttleworthii var. shuttleworthii - Shuttleworth's ginger  
Hibiscus denudatus - rock hibiscus  
Hibiscus moscheutos - crimson-eyed rose-mallow  
Hibiscus moscheutos ssp. lasiocarpus - rose-mallow  
Holodiscus dumosus - glandular oceanspray  
Houstonia caerulea - innocence  
Houstonia procumbens - round-leaf bluets  
Hydrangea arborescens - wild hydrangea  
Hydrastis canadensis - goldenseal  
Hydrophyllum virginianum - Virginia waterleaf  
Hymenocallis caroliniana - Carolina spider-lily  
Hymenopappus artemisiifolius - woolly white  
Hymenoxys hoopesii - orange sneezeweed  
Hypericum hypericoides ssp. hypericoides - Saint Andrew's cross  
Hypericum prolificum - shrubby St. John's-wort  
Hypoxis hirsuta - eastern yellow star-grass  
Ilex decidua - deciduous holly

*Ilex opaca* - American holly  
*Ilex verticillata* - common winterberry  
*Ilex vomitoria* - yaupon  
*Iliamna rivularis* - streambank wild hollyhock  
*Ipomoea leptophylla* - bush morning-glory  
*Ipomopsis aggregata* ssp. *aggregata* - scarlet gilia  
*Jeffersonia diphylla* - twinleaf  
*Juglans microcarpa* - little walnut  
*Juglans nigra* - black walnut  
*Kalmia angustifolia* - sheep laurel  
*Kalmia latifolia* - mountain laurel  
*Kalmia polifolia* - swamp laurel  
*Koeleria macrantha* - prairie koeler's grass  
*Kosteletzkya virginica* - seashore mallow  
*Krascheninnikovia lanata* - winterfat  
*Larrea tridentata* - creosote bush  
*Layia glandulosa* - white tidytips  
*Leckieella brevifolia* - gaping bush-beardtongue  
*Ledum groenlandicum* - rusty Labrador-tea  
*Leersia oryzoides* - rice cut grass  
*Leiophyllum buxifolium* - sand myrtle  
*Lepidium montanum* - mountain pepperwort  
*Lesquerella fendleri* - Fendler's bladderpod  
*Lesquerella gordonii* - Gordon's bladderpod  
*Lesquerella gracillis* - spreading bladderpod  
*Leucothoe fontanesiana* - highland doghobble  
*Lewisia rediviva* - Oregon bitter-root  
*Liatris aspera* - tall gayfeather  
*Liatris elegans* - pink scale gayfeather  
*Liatris mucronata* - cusp gayfeather  
*Liatris punctata* - dotted gayfeather  
*Liatris pycnostachya* - prairie blazingstar  
*Liatris spicata* - dense gayfeather  
*Liatris squarrosa* - scaly gayfeather  
*Lilium canadense* - Canadian lily  
*Lilium catesbaei* - southern red lily  
*Lilium michauxii* - Carolina lily  
*Lilium michiganense* - Michigan lily  
*Lilium phildephicum* - wood lily  
*Lindera benzoin* - northern spicebush  
*Lindheimera texana* - Texas yellowstar  
*Linnaea borealis* - American twinflower  
*Linum lewisii* var. *lewisii* - blue flax  
*Linum rigidum* - large-flowered yellow flax  
*Liquidambar styraciflua* - sweet gum  
*Liriodendron tulipifera* - tulip tree  
*Lithospermum canescens* - hoary puccoon  
*Lithospermum caroliniense* - hairy puccoon  
*Lithospermum incisum* - fringed gromwell  
*Lobelia cardinalis* - Cardinal flower  
*Lobelia glandulosa* - glade lobelia  
*Lobelia spicata* - pale-spike lobelia  
*Lobelia siphilitica* - great blue lobelia  
*Lobelia spicata* - pale-spike lobelia  
*Lonicera albiflora* - white honeysuckle  
*Lonicera involucrata* - four-line honeysuckle

Lonicera sempervirens - coral honeysuckle  
Lupinus breweri - matted lupine  
Lupinus caudatus - Kellogg's spurred lupine  
Lupinus concinnus - Bajada lupine  
Lupinus perennis - wild lupine  
Lupinus polyphyllus - meadow lupine  
Lupinus sericeus - Pursh's silky lupine  
Lysimachia ciliata - fringed yellow-loosestrife  
Lysimachia quadrifolia - prairie loosestrife  
Machaeranthera tanacetifolia - Tahoka daisy  
Magnolia grandiflora - southern magnolia  
Magnolia tripetala - umbrella magnolia  
Magnolia virginiana - sweet-bay  
Mahonia repens - creeping Oregon-grape  
Maianthemum canadense - Canadian mayflower  
Maianthemum dilatatum - two-leaf false Solomon's-seal  
Maianthemum racemosum ssp. racemosum - false Solomon's-seal  
Maianthemum stellatum - stary false Solomon's-seal  
Malus ioensis - prairie crabapple  
Marshallia casepitosa var. caespitosa - Barbara's buttons  
Melampodium leucanthum - blackfoot daisy  
Mentzelia laevicaulis - giant blazingstar  
Menyanthes trifoliata - buck-bean  
Mertensia ciliata - mountain bluebells  
Mertensia virginica - Virginia bluebells  
Mimosa borealis - pink mimosa  
Mimosa microphylla - little-leaf mimosa  
Mimulus bigelovii - yellow-throat monkey-flower  
Mimulus cardinalis - scarlet monkey-flower  
Mimulus guttatus - golden monkey-flower  
Mimulus lewisii - great purple monkey-flower  
Mimulus primuloides - yellow creeping monkey-flower  
Mimosa microphylla - little-leaf mimosa  
Minuartia obtusiloba - alpine stitchwort  
Mirabilis multiflora - Colorado four-o'clock  
Mitchella repens - partridge berry  
Mitella diphylla - two-leaf bishop's-cap  
Monarda citriodora - lemon beebalm  
Monarda didyma - scarlet beebalm  
Monarda fistulosa - Oswego tea  
Monarda punctata ssp. punctata var. villicaulis - horsemint  
Monardella odoratissima - mountain pennyroyal  
Morella cerifera - southern bayberry  
Morella pennsylvanica - northern bayberry  
Muhlenbergia capillaris - Gulf muhly  
Muhlenbergia reverchonii - seep muhly  
Myositis asiatica - Asian forget-me-not  
Myrica gale - sweetgale  
Napaea dioica - glade mallow  
Nemophila phaeceioides - large-flower baby-blue-eyes  
Nolina microcarpa - Sacahuista bear-grass  
Nolina texana - Texas bear-grass  
Nuphar lutea - cow-lily  
Nuphar lutea ssp. polysepala - pond-lily  
Nymphaea odorata - American white water-lily  
Nyssa sylvatica - black gum

Oenothera albicaulis - pale evening primrose  
Oenothera biennis - common evening primrose  
Oenothera brachycarpa - short-fruit evening primrose  
Oenothera caespitosa - tufted evening primrose  
Oenothera deltoides - desert evening primrose  
Oenothera elata ssp. hookeri - giant evening primrose  
Oenothera flava - long-tube evening primrose  
Oenothera fruiticosa - narrow-leaf evening primrose  
Oenothera macrocarpa - big-fruit evening primrose  
Oenothera nuttallii - Nuttall's evening primrose  
Oenothera primiveris - desert evening primrose  
Oenothera rhombipetala - diamond-petal evening primrose  
Oenothera speciosa - pink evening-primrose  
Oligoneuron rigidum var. rigidum - stiff goldenrod  
Opuntia acanthocarpa - staghorn cholla  
Opuntia basilaris - beaver-tail cactus  
Opuntia humifusa - prickly pear  
Opuntia imbricata - tree cholla  
Opuntia leptocaulis - christmas cholla  
Opuntia phaeacantha - purple-fruited prickly pear  
Opuntia polycantha - plains prickly-pear  
Orontium aquaticum - goldenclub  
Ostrya virginiana - eastern hop-hornbeam  
Oxydendrum arboreum - sourwood  
Pachysandra procumbens - mountain spurge  
Packera aurea - golden ragwort  
Packera cana - gray ragwort  
Packera glabella - cress-leaf groundsel  
Packera obovata - round-leaf groundsel  
Packera paupercula - northern ragwort  
Packera plattensis - prairie ragwort  
Panicum virgatum - wand panic grass  
Parthenium incanum - mariola  
Parthenium integrifolium - wild quinine  
Parthenocissus quinquefolia - Virginia creeper  
Passiflora incarnata - purple passion-flower  
Passiflora lutea - yellow passion-flower  
Pectis angustifolia - lemonscent  
Pedicularis groenlandica - bull elephant's-head  
Penstemon albidus - red-line penstemon  
Penstemon ambiguus - pink plains beardtongue  
Penstemon angustifolius - broadbeard beardtongue  
Penstemon australis - Eustis Lake beardtongue  
Penstemon barbatus - beardlip beardtongue  
Penstemon buckleyi - Buckley's beardtongue  
Penstemon canescens - eastern gray beardtongue  
Penstemon cobaea - cobaea beardtongue  
Penstemon davidsonii - timberline beardtongue  
Penstemon deustus - hot-rock beardtongue  
Penstemon digitalis - foxglove penstemon  
Penstemon eatonii - firecracker penstemon  
Penstemon fendleri - Fendler's beardtongue  
Penstemon gracilis - slender penstemon  
Penstemon grandiflorus - large-leaved penstemon  
Penstemon hirsutus - hairy beardtongue  
Penstemon jamesii - James' beardtongue

Penstemon laetus - western gray beardtongue  
Penstemon murrayanus - scarlet beardtongue  
Penstemon pallidus - pale beardtongue  
Penstemon palmeri - scented beardtongue  
Penstemon rostriflorus - beaked beardtongue  
Penstemon smalli - Small's beardtongue  
Penstemon strictus - Rocky Mountain beardtongue  
Petrophyton caespitosum - Rocky Mountain rockmat  
Phacelia sericea - purplefringe  
Phlox andicola - prairie phlox  
Phlox carolina - Carolina phlox  
Phlox diffusa - spreading phlox  
Phlox divaricata - wild blue phlox  
Phlox divaricata ssp. laphamii - Sweet William  
Phlox glaberrima ssp. interior - marsh phlox  
Phlox latifolia - mountain phlox  
Phlox longifolia - long-leaf phlox  
Phlox pilosa - downy phlox  
Phlox speciosa ssp. occidentalis - showy phlox  
Phlox stolonifer a- creeping phlox  
Phlox subulata - moss phlox  
Phlox stansburyi - cold-desert phlox  
Phragmites australis - common reed  
Physocarpus opulifolius - Atlantic ninebark  
Physotegia digitalis - finger false dragonhead  
Physotegia intermedia - slender false dragonhead  
Physotegia virginiana - obedient plant  
Phyllodoce empetriformis - pink mountain-heath  
Pinguicula lutea - yellow butterwort  
Pinguicula pumila - dwarf buttercup  
Pityopsis graminifolia var. graminifolia - grass-leaved golden-aster  
Platanus occidentalis - American sycamore  
Platystemon californicus - California creamcups  
Poa arachnifera - Texas blue grass  
Podophyllum peltatum - May apple  
Polemonium foliosissimum - towering Jacob's ladder  
Polemonium occidentale - western Jacob's ladder  
Polemonium pulcherrimum - beautiful Jacob's ladder  
Polemonium reptans - Greek valerian  
Polemonium viscosum - sticky Jacob's ladder  
Poliomontha incana - hoary rosemary-mint  
Populus balsamifera - balsam poplar  
Populus deltoides - eastern cottonwood  
Populus tremuloides - quaking aspen  
Porteranthus trifoliatus - bowman's root  
Potentilla arguta - prairie cinquefoil  
Potentilla glandulosa - sticky cinquefoil  
Potentilla nivea - snowy cinquefoil  
Potentilla simplex - common cinquefoil  
Prenanthes alba - white rattlesnake-root  
Prosobis glandulosa - honey mesquite  
Prunus mexicana - Mexican plum  
Prunus nigra - Canadian plum  
Prunus serotina - black cherry  
Prunus virginiana - choke cherry  
Pseudognaphalium obtusifolium ssp. obtusifolium - blunt-leaf rabbit tobacco

Psilotrophe cooperi - white-stem paper flower  
Psilotrophe tagetina - woolly paper-flower  
Psoralea fremontii var. fremontii - Fremont indigo bush  
Ptelea trifoliata - common hoptree  
Pulsatilla patens ssp. multifida - pasqueflower  
Purshia stansburiana - quinine bush  
Pulsatilla patens ssp. multifida - pasqueflower  
Pyrola asarifolia - pink wintergreen  
Pyrola elliptica - shinleaf  
Quercus alba - northern white oak  
Quercus coccinea - scarlet oak  
Quercus gambelli - Rocky Mountain white oak  
Quercus macrocarpa - burr oak  
Quercus marilandica - blackjack oak  
Quercus michauxii - swamp chestnut oak  
Quercus muehlenbergii - Chinkapin oak  
Quercus palustris - pin oak  
Quercus phellos - willow oak  
Quercus rubra - northern red oak  
Quercus stellata - post oak  
Quercus virginiana - coastal live oak  
Ranunculus abortivus - early wood buttercup  
Ranunculus alismifolius - meadow buttercup  
Ranunculus cardiophyllus - heart-leaf buttercup  
Ranunculus fascicularis - tufted buttercup  
Ranunculus occidentalis - western buttercup  
Ratibida columnifera - red-spike Mexican hat  
Ratibida pinnata - grey-head Mexican hat  
Rhexia mariana - Maryland meadow beauty  
Rhexia virginica - meadow beauty  
Rhodiola integrifolia ssp. integrifolia - rosewort  
Rhododendron arborescens - smooth azalea  
Rhododendron calendulaceum - flame azalea  
Rhododendron canadense - rhodora  
Rhododendron canescens - mountain azalea  
Rhododendron catawbiense - purple rhododendron  
Rhododendron maximum - great laurel  
Rhododendron oblongifolium - Texas azalea  
Rhododendron periclymenoides - pink azalea  
Rhododendron prinophyllum - early azalea  
Rhododendron vaseyi - pink-shell azalea  
Rhododendron viscosum - swamp azalea  
Rhus aromatica - fragrant sumac  
Rhus copallinum - winged sumac  
Rhus glabra - smooth sumac  
Rhus lanceolata - prairie sumac  
Rhus micropylla - little-leaf sumac  
Rhus typhina - staghorn sumac  
Rhyncospora latifolia - sand-swamp whitetop  
Ribes aureum - golden currant  
Ribes aureum var. villosum - buffalo currant  
Ribes laxiflorum - trailing black currant  
Robinia hispida - bristly locust  
Robinia pseudoacacia - black locust  
Rosa acicularis - wild rose  
Rosa arkansana var. suffulta - prairie rose

Rosa carolina - Carolina rose  
Rosa palustris - swamp rose  
Rosa setigera var. tomentosa - Illinois rose  
Rosa nutkana - Nootka rose  
Rosa woodsii - Wood's rose  
Rubus parviflorus - western thimbleberry  
Rubus odoratus - purple-flowering raspberry  
Rudbeckia fulgida - orange coneflower  
Rudbeckia grandiflora var. alismifolia - large coneflower  
Rudbeckia hirta - black-eyed susan  
Rudbeckia laciniata - cut-leaf coneflower  
Rudbeckia triloba - brown-eyed susan  
Ruellia caroliniensis - Carolina wild petunia  
Ruellia humilis - fringe-leaf wild petunia  
Sabal minor - dwarf palmetto  
Sabatia angularis - rose-pink  
Sabatia campestris - meadow pink  
Sabatia dodecandra - large marsh-pink  
Sagittaria latifolia - arrowhead  
Salix discolor - pussy willow  
Salvia azurea var. grandiflora - blue sage  
Salvia columbariae - California sage  
Salvia lyrata - lyre-leaf sage  
Sambucus nigra ssp. caerulea - black elder  
Sambucus nigra ssp. canadensis - common elder  
Sambucus racemosa var. racemosa - scarlet elder  
Sambucus racemosa var. melancarpa - silver buffalo-berry  
Sanguinaria canadensis - bloodroot  
Sapindus saponaria var. drummondii - soapberry  
Sassafras albidum - sassafras  
Saururus cernuus - lizard's tail  
Saxifraga bronchialis - yellow-spot saxifrage  
Schizachyrium scoparium - little false bluestem  
Sedum nuttallianum - yellow stonecrop  
Sedum ternatum - woodland stonecrop  
Senecio pseudoarnica - seabeach senecio  
Shepherdia argentea - silver buffalo-berry  
Shepherdia canadensis - russet buffalo-berry  
Shortia galacifolia - Oconee-bells  
Sideroxylon lanuginosum ssp. oblongifolium - gum elastic tree  
Silene acaulis - moss campion  
Silene caroliniana - sticky catchfly  
Silene douglasii - seabluft catchfly  
Silene regia - royal catchfly  
Silene stellata - starry campion  
Silene virginica - fire-pink  
Silphium integrifolium - entire-leaf rosinweed  
Silphium laciniatum - compass plant  
Silphium perfoliatum - cup plant  
Sisyrinchium albidum - white blue-eyed grass  
Sisyrinchium angustifolium - narrow leaf blue-eyed-grass  
Sisyrinchium campestre - prairie blue-eyed grass  
Sisyrinchium montanum - strict blue-eyed grass  
Solidago caesia - blue-stemmed goldenrod  
Solidago canadensis - Canadian goldenrod  
Solidago flexicaulis - zigzag goldenrod  
Solidago juncea - plume goldenrod

*Solidago missouriensis* - Missouri goldenrod  
*Solidago multiradiata* - Rocky Mountain goldenrod  
*Solidago nemoralis* - gray goldenrod  
*Solidago odora* - sweet goldenrod  
*Solidago rugosa* - rough-leaved goldenrod  
*Solidago sempervirens* - seaside goldenrod  
*Solidago speciosa* - showy goldenrod  
*Solidago ulmifolia* - elm-leaf goldenrod  
*Sophora affinis* - Eve's necklace-pod  
*Sorbus americana* - American mountain-ash  
*Sorbus scopulina* - Cascade mountain-ash  
*Sorghastrum nutans* - yellow Indian grass  
*Spartina pectinata* - prairie cord grass  
*Sphaeralcea ambigua* - apricot globe-mallow  
*Sphaeralcea coccinea* - scarlet globe-mallow  
*Sphaeralcea parviflora* - small-leaf globe-mallow  
*Spigelia marilandica* - woodland pinkroot  
*Spiraea alba* - white meadowsweet  
*Spiraea alba* var. *latifolia* - meadowsweet  
*Spiraea splendens* var. *splendens* - subalpine spiraea  
*Spiraea tomentosa* - steeplebush  
*Sporobolus heterolepis* - prairie dropseed  
*Stanleya pinnata* - golden prince's-plume  
*Stewartia malacodendron* - silky camellia  
*Stewartia ovata* - mountain camellia  
*Stokesia laevis* - stoke's aster  
*Streptopus lanceolatus* var. *roseus* - rosy twistedstalk  
*Stylophorum diphyllum* - celadine poppy  
*Symphoricarpos orbiculatus* - coral berry  
*Symphyotrichum ascendens* - Pacific aster  
*Symphyotrichum divaricatum* - white wood aster  
*Symphyotrichum drummondii* var. *drummondii* - arrow aster  
*Symphyotrichum ericoides* var. *ericoides* - heath aster  
*Symphyotrichum foliaceum* var. *foliaceum* - leafy aster  
*Symphyotrichum laeve* var. *laeve* - smooth aster  
*Symphyotrichum novae-angliae* - New England American aster  
*Symphyotrichum oblongifolium* - aromatic American aster  
*Symphyotrichum oolentangiense* - sky-blue American aster  
*Symphyotrichum pilosum* var. *pilosum* - frost aster  
*Symphyotrichum puniceum* var. *puniceum* - swamp aster  
*Symphyotrichum sericeum* - western silver American aster  
*Symplocarpus foetidus* - skunk cabbage  
*Tephrosia virginiana* - goat's rue  
*Tetaneuris acaulis* var. *acaulis* - butte marigold  
*Tetaneuris scaposa* var. *scaposa* - yellow daisy  
*Tetaneuris grandiflora* - alpine sunflower  
*Teuchrium laciniatum* - lacy germander  
*Thalictrum dasycarpum* - purple meadow rue  
*Thalictrum dioicum* - early meadow rue  
*Thalictrum fendleri* var. *polycarpum* - meadow rue  
*Thalictrum pubescens* - king-of-the-meadow  
*Thalictrum thalictroides* - rue anemone  
*Thelesperma filifolium* var. *filifolium* - showy Navajo tea  
*Thermopsis montana* - golden pea  
*Thlaspi montanum* var. *fendleri* - penny cress  
*Tiarella cordifolia* - heart-leaf foamflower

*Tilia americana* - American linden  
*Townsendia exscapa* - Easter daisy  
*Tradescantia bracteata* - long-bract spiderwort  
*Tradescantia occidentalis* - prairie spiderwort  
*Tradescantia ohiensis* - Ohio spiderwort  
*Tradescantia virginiana* - Virginia spiderwort  
*Tridens flavus* - tall redtop  
*Trientalis borealis* ssp. *borealis* - starflower  
*Trillium cernuum* - nodding trillium  
*Trillium erectum* - purple trillium  
*Trillium grandiflorum* - large-flowered trillium  
*Trillium ovatum* - coast trillium  
*Trillium sessile* - red trillium  
*Trillium undulatum* - painted trillium  
*Tripsacum dactyloides* - eastern mock grama  
*Trollius laxus* - American globeflower  
*Typha latifolia* - broad-leaf cattail  
*Ulmus americana* - American elm  
*Ulmus crassifolia* - cedar elm  
*Uvularia grandiflora* - large flowered bellwort  
*Uvularia sessilifolia* - merrybells  
*Vaccinium angustifolium* - late lowbush blueberry  
*Vaccinium arboreum* - farkleberry  
*Vaccinium caespitosum* - dwarf huckleberry  
*Vaccinium corymbosum* - highbush blueberry  
*Vaccinium stamineum* - deerberry  
*Vaccinium uliginosum* - bog blueberry  
*Vaccinium stamineum* - deerberry  
*Vaccinium vitis-idaea* - northern mountain cranberry  
*Verastrum californicum* - corn lily  
*Verbena canadensis* - rose mock vervain  
*Verbena gooddingii* - southwestern vervain  
*Verbena hastata* - blue verbena  
*Verbena stricta* - hoary verbena  
*Vernonia baldwinii* - western ironweed  
*Vernonia gigantea* ssp. *gigantea* - tall ironweed  
*Vernonia noveboracensis* - New York ironweed  
*Veronicastrum virginicum* - culver's root  
*Viburnum acerifolium* - maple-leaf viburnum  
*Viburnum dentatum* - southern arrow-wood  
*Viburnum edule* - squashberry  
*Viburnum lantanoides* - hobblebush  
*Viburnum prunifolium* - smooth blackhaw  
*Viburnum rufidulum* - rusty blackhaw  
*Viola affinis* - sand violet  
*Viola canadensis* - Canadian white violet  
*Viola labradorica* - alpine violet  
*Viola missouriensis* - Missouri violet  
*Viola palmata* - early blue violet  
*Viola pedata* - bird-foot violet  
*Viola pedatifida* - prairie violet  
*Viola pubescens* - downy yellow violet  
*Viola rostrata* - long-spur violet  
*Viola sororia* - meadow violet  
*Vitis rotundifolia* - muscadine  
*Wisteria frutescens* - American wisteria

Wyethia amplexicaulis - northern mule's ears  
Xanthisma texanum - Texas sleepy daisy  
Xylorhiza tortifolia var. tortifolia - Mojave woody aster  
Xyris ssp. - yellow-eyed grass  
Yucca arkansana - Arkansas yucca  
Yucca baccata - banana yucca  
Yucca brevifolia - Joshua tree  
Yucca glauca - soapweed glauca  
Zenobia pulverulenta - honeycup  
Zephyranthes atamasco - rain lily  
Zinnia grandiflora - Rocky Mountain zinnia  
Zizia aurea - golden alexanders