

<p style="text-align: center;">Little Bluestem</p>  <p style="text-align: center;">Host plant</p>	<p style="text-align: center;">Scientific Name: ANDROPOGON SCOPARIUM</p> <p style="text-align: center;">Height: 1-3 feet</p> <p style="text-align: center;">Flowering time: Aug-Oct</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Mesic-Dry</p>	<ul style="list-style-type: none"> - <i>vigorous, long-lived species</i> - <i>clumping grass beautiful fall color</i> - <i>also called bunchgrass or broom grass</i> - <i>top 1" of each branch is seed-bearing</i> - <i>seeds are common food of songbirds</i> - <i>in the fall turn warm-reddish purple</i>
<p style="text-align: center;">Prairie Dropseed</p> 	<p style="text-align: center;">Scientific Name: SPOROBOLUS HETEROLEPIS</p> <p style="text-align: center;">Height: 3 feet</p> <p style="text-align: center;">Flowering time: Aug-Oct</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Wet Mesic - Dry</p>	<ul style="list-style-type: none"> - <i>found in open prairies</i> - <i>forms graceful fountain-like clumps</i> - <i>tiny, roundish, nutlike seeds with a shiny coat</i> - <i>American Indians ground seeds into a sweet flour</i> - <i>important food-source for ground-feeding birds</i>
<p style="text-align: center;">New Jersey Tea</p>  <p style="text-align: center;">Nectar Plant</p>	<p style="text-align: center;">Scientific Name: CEANOTHUS AMERICANUS L.</p> <p style="text-align: center;">Height: 3 feet</p> <p style="text-align: center;">Bloom Color: White</p> <p style="text-align: center;">Bloom Range: June - August</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Mesic - Dry</p>	<ul style="list-style-type: none"> - <i>shrub found along prairies and borders of woods</i> - <i>also called red root or mountain sweet</i> - <i>Buckthorn family</i> - <i>best known substitute for tea (contains NO caffeine)</i> - <i>Deep taproots capable of fixing nitrogen</i>

<p style="text-align: center;">Prairie Smoke</p>  <p style="text-align: center;">Nectar Plant</p>	<p>Scientific Name: <i>GEUM TRIFLORUM</i></p> <p>Height: 8 inches</p> <p>Bloom Color: Pink</p> <p>Bloom Range: April-June</p> <p>Sun: Partial/Full</p> <p>Moisture: Wet Mesic-Dry</p>	<ul style="list-style-type: none"> - <i>graceful plant with multiple blooms</i> - <i>other common names, Old Man's Whiskers, Johnny smokers</i> - <i>earliest prairie plant species to appear</i> - <i>fruit heads look like mini feather dusters that clings to clothing or animal fur</i> - <i>Rose family</i>
<p style="text-align: center;">Wild Geranium</p>  <p style="text-align: center;">Host and Nectar Plant</p>	<p>Scientific Name: <i>GERANIUM MACULATUM L.</i></p> <p>Height: 1- 2 foot</p> <p>Bloom Color: Purple</p> <p>Bloom Range: April-July</p> <p>Sun: Partial/Full</p> <p>Moisture: Mesic-Dry Mesic</p>	<ul style="list-style-type: none"> - <i>found in moist, open woodlands</i> - <i>flower is 1 1/2" across in shades of rose-lavender with 5 rounded saucer shaped petals</i> - <i>American Indians used roots for multiple ailments</i> - <i>leaves and roots are high in tannin, so pioneers used it for tanning hides</i> - <i>seed capsule resembles the beak of a bird</i>
<p style="text-align: center;">Prairie Phlox</p>  <p style="text-align: center;">Host and Nectar Plant</p>	<p>Scientific name: <i>PHLOX PILOSA L.</i></p> <p>Height: 6"-24"</p> <p>Bloom Color: White-light purple</p> <p>Bloom Range: April-June</p> <p>Sun: Partial/Full</p> <p>Moisture: Mesic</p>	<ul style="list-style-type: none"> - <i>also known as Downy Phlox</i> - <i>found on edges of prairies</i> - <i>flowers are fragrant and long-lasting</i> - <i>great flower for long-tongued bees</i> - <i>has brown seed capsule</i>

<p style="text-align: center;">Columbine</p>  <p style="text-align: center;">Host and Nectar Plant</p>	<p style="text-align: center;">Scientific Name: AQUILEGIA CANADENSIS L.</p> <p style="text-align: center;">Height: 2 feet</p> <p style="text-align: center;">Bloom Color: Red</p> <p style="text-align: center;">Bloom Range: April-July</p> <p style="text-align: center;">Sun: Partial/Full/Shade</p> <p style="text-align: center;">Moisture: Mesic-Dry</p>	<ul style="list-style-type: none"> - other common names, rock lily, jack-in-trouser - found in a variety of conditions even on steep slopes and cliffs - flowers of scarlet and yellow nod on long flower stalks - flower is pollinated by hummingbirds, moths and butterflies - water collects in the hollow spurs of the flowers
<p style="text-align: center;">Rose Milkweed</p>  <p style="text-align: center;">Host and nectar plant</p>	<p style="text-align: center;">Scientific name: ASCLEPIAS INCARNATA L.</p> <p style="text-align: center;">Height: 4'</p> <p style="text-align: center;">Bloom time: June-Aug</p> <p style="text-align: center;">Bloom Color: Pink</p> <p style="text-align: center;">Sun: Full sun</p> <p style="text-align: center;">Moisture: Mesic, Wet-Mesic</p>	<ul style="list-style-type: none"> - found throughout the tallgrass prairie in moist soil - it has deep green leaves - roots were used for healing properties and the flowers were boiled till it resembled the taste of brown sugar - presence of milkweed determines the quality of the prairie
<p style="text-align: center;">Wild Bergamot</p>  <p style="text-align: center;">Nectar Plant</p>	<p style="text-align: center;">Scientific name: MONARDA FISTULOSA</p> <p style="text-align: center;">Height: 24" - 60"</p> <p style="text-align: center;">Bloom Range-: July-Sept</p> <p style="text-align: center;">Bloom Color: Lavender</p> <p style="text-align: center;">Sun: Full Sun</p> <p style="text-align: center;">Moisture: Mesic</p>	<ul style="list-style-type: none"> - drought tolerant - foliage is susceptible to powdery mildew - best forage plants for bumble bees - square rigid stem leaves and stem have minty aroma - individual flowers are slender and pink to lavender tubes clustered together, each with lobes

<p style="text-align: center;">Mountain Mint</p>  <p style="text-align: center;">Nectar Plant</p>	<p style="text-align: center;">Scientific Name: <i>PYCNANTHEMUM VIRGINIANUM</i></p> <p style="text-align: center;">Height: 3 feet</p> <p style="text-align: center;">Bloom Color: White</p> <p style="text-align: center;">Bloom Range: June - September</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Wet- Mesic</p>	<ul style="list-style-type: none"> - other common names: <i>mountain thyme, prairie hysop</i> - has a strong, clean, mint smell - used in rain gardens - purple spots on flower is a visual attractant for pollinators - main leaves or 2" long and less than 1/2" wide - leaves have been used as a seasoning in cooking
<p style="text-align: center;">Buterfly Milkweed</p>  <p style="text-align: center;">Nectar and Host Plant</p>	<p style="text-align: center;">Scientific Name: <i>ASCLEPIAS TUBEROSA</i></p> <p style="text-align: center;">Height: 12 - 36"</p> <p style="text-align: center;">Bloom Color: Orange-Yellow</p> <p style="text-align: center;">Bloom Range: June-August</p> <p style="text-align: center;">Sun: Full</p> <p style="text-align: center;">Moisture: Mesic to Dry Mesic</p>	<ul style="list-style-type: none"> - Has large taproot and does not transplant well - visual attractant for monarch butterflies and other pollinators - fruit has an upright pod with many seeds with silky hairs attached
<p style="text-align: center;">Purple Prairie Clover</p>  <p style="text-align: center;">Nectar and Host Plant</p>	<p style="text-align: center;">Scientific Name: <i>DALEA PURPUREA</i></p> <p style="text-align: center;">Height: 12 - 36"</p> <p style="text-align: center;">Bloom Color: Purple</p> <p style="text-align: center;">Bloom Range: July-September</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Mesic-Dry</p>	<ul style="list-style-type: none"> - tolerant of any soil type - used as garden borders - shallow tubular flowers attract bees with <u>all</u> tongue lengths - fruit seed pod does not split open - rabbits love this plant!

<p style="text-align: center;">Heath Aster</p>  <p style="text-align: center;">Host and Nectar Plant</p>	<p style="text-align: center;">Scientific Name: <i>ASTER ERICOIDES</i></p> <p style="text-align: center;">Height: 2 feet</p> <p style="text-align: center;">Bloom Color: White</p> <p style="text-align: center;">Bloom Range: August - October</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Mesic - Dry</p>	<ul style="list-style-type: none"> - "aster," from Greek, meaning "star" as in the shape of the flower - found throughout the prairie from marsh to woodlands - have stout leafy stems - in the daisy family - numerous flower heads from 1/4"-2" across
<p style="text-align: center;">Prairie Coreopsis</p>  <p style="text-align: center;">Host and Nectar Plant</p>	<p style="text-align: center;">Scientific Name: <i>COREOPSIS PALMATA</i></p> <p style="text-align: center;">Height: 2 feet</p> <p style="text-align: center;">Bloom Color: Yellow</p> <p style="text-align: center;">Bloom Range: June -August</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Mesic-Dry</p>	<ul style="list-style-type: none"> - also called tickseed - spreads with rhizomes - dark green linear foliage and bright yellow flowers - open short disc flowerets provide easy access to all pollinator species - ants are also attracted to flower buds
<p style="text-align: center;">Prairie Blazing Star</p>  <p style="text-align: center;">Host and Nectar Plant</p>	<p style="text-align: center;">Scientific Name: <i>LIATRIS PYCNOSTACHYA</i></p> <p style="text-align: center;">Height: 24" - 48"</p> <p style="text-align: center;">Bloom Color: Pink-Purple</p> <p style="text-align: center;">Bloom Range: July - Oct.</p> <p style="text-align: center;">Sun: Full</p> <p style="text-align: center;">Moisture: Wet Mesic</p>	<ul style="list-style-type: none"> - tall linear flowerheads that open from top downward - most insects visit for nectar - stem and leaves have stiff hairs - slender seeds are less than 1/4" long. - the roots of blazing star have flavor of carrots - daisy family

<p style="text-align: center;">Nodding Onion</p>  <p style="text-align: center;">Nectar Plant</p>	<p style="text-align: center;">Scientific Name: <i>ALLIUM CERNUUM</i></p> <p style="text-align: center;">Height: 2 feet</p> <p style="text-align: center;">Bloom Color: Pink/Purple</p> <p style="text-align: center;">Bloom Range: July - August</p> <p style="text-align: center;">Sun: Partial/Full</p> <p style="text-align: center;">Moisture: Mesic-Dry</p>	<ul style="list-style-type: none"> - <i>bulb root</i> - <i>extremely adaptable to any soil type</i> - <i>unique nodding flowerhead</i> - <i>grass-like leaves</i> - <i>mainly visited by short-tongued bees and beetles</i> - <i>fruit is a 3-lobed capsule</i>
<p style="text-align: center;">Pale Purple Coneflower</p>  <p style="text-align: center;">Nectar Plant</p>	<p style="text-align: center;">Scientific Name: <i>ECHINACEA PALLIDA</i></p> <p style="text-align: center;">Height: 30" - 60"</p> <p style="text-align: center;">Bloom Color: light pink - purple</p> <p style="text-align: center;">Bloom Range: June- July</p> <p style="text-align: center;">Sun: Full</p> <p style="text-align: center;">Moisture: Mesic-Dry</p>	<ul style="list-style-type: none"> - <i>flower rays grow upward and then fall out and then downward</i> - <i>large central cone</i> - <i>goldfinches feed on the seeds</i> - <i>preferred nectar plant of bees and butterflies</i>
<p style="text-align: center;">Foxglove Beardtongue</p>  <p style="text-align: center;">Nectar Plant</p>	<p style="text-align: center;">Scientific Name: <i>PENSTEMON DIGITALIS</i></p> <p style="text-align: center;">Height: 24"- 36"</p> <p style="text-align: center;">Bloom Color: White with Purple lines</p> <p style="text-align: center;">Bloom Range: May - July</p> <p style="text-align: center;">Sun: Full/ Part</p> <p style="text-align: center;">Moisture: Mesic</p>	<ul style="list-style-type: none"> - <i>tubular white flowers</i> - <i>fruit is an oval capsule</i> - <i>seedlings will germinate around the parent plant and are shallow rooted and easily transplanted</i> - <i>small and medium-sized bees are the most frequent visitors</i>

Additional Resource's

Attracting Native Pollinators - Protecting North America's Bees and Butterflies, by The Xerces Society

Pollinators of Native Plants, by Heather Holm

Wildflowers of Iowa Woodland, by Sylvan T. Runkel and Alvin F. Bull

Wildflowers of the Tallgrass Prairie, by Sylvan T. Runkel and Alvin F. Bull

Prairie Moon Nursery - a good source for Native wildflowers, grasses and trees; and for restoration and gardening, www.prairiemoon.com

Selecting Plants for Pollinators, [www. pollinator.org](http://www.pollinator.org)

How to Incorporate Native Plants into an Urban Landscape, a Starter Guide for Plant Selection, Polk Soil and Water Conservation District

Definitions:

Mesic soils- well drained and moderately well-drained, loamy soils.

Wet-Mesic soils - somewhat poorly drained, lighter-colored clay soils

Dry-Mesic soils - somewhat excessively drained, and thick loess soils.

Nectar Plant - is a plant that provides a source of nectar (sugar and water) for pollinators

Host Plant - the plants that insect larva eat after hatching from eggs