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White champion (Silene latifolia)



Cow Vetch (Vicia cracca)



Orchard grass (*Dactylis glomerata* L.)

### Blue Vervain

(Wildflower)



Scientific name: Verbena hastata

(L.)

Common names: Blue vervain, Swamp vervain, Blue verbena, and Simpler's joy

Habitat: Wet environment with either full or partial sun. Mostly found in meadows, thickets, marshes, riversides, pastures, ditches, and river-bottom prairies

Bloom period: Mid to late summer

Height: 2-5 feet tall

Leaf arrangement: opposite

Description: Blue vervain is a purple and blue wildflower that grows numerous panicles that can bloom up to 5 inches long. The blooms on this wildflower is  $1/4^{th}$  of an inch across and lobed. The square steam of blue vervain is fuzzy, and can be either green or red. The leaves are lance shaped with serrated edges, with an opposite leaf arrangement. The leaves are roughly 6 inches long and 1 inch wide.

## Crown Vetch

(Wildflower)



Scientific name: Coronilla varia

Common names: Purple crownvetch, Trailing crown vetch

Habitat: Prairies, dunes, woodland edges, streambanks, pastures. They are tolerant to different soil types such as saline and alakine along with drought. Open, full sun conditions

Bloom period: May to August

Height: 2 to 6 feet (stem)

Leaf arrangement: alternate

Description: Common crownvetch grow tiny umbels that are pink and white on the end of the leaf axils. This wildflower grows a fruit that is 2-3 inches long with pods that grow in a crown-like arrangement. The leaves found on crown vetch are dark green with 15 to 20 elongated leaflets.

### Common Milkweed

(Weed)



Scientific name: Asclepias

syriaca L.

Common names: Butterfly flower, Silkweed, and Silky swallow-wort

Habitat: Grows in moist soils such as fine sandy, clayey, loamy, etc. Grows in full sun

Bloom period: June to August

Height: 3 to 8 feet

Leaf arrangement: opposite

Description: Common milkweed is a purple-colored weed. Its leaves grow to be 4 to 7 ½ inches long and are 2 to 4 1/3 inches wide. These dark green leaves grow in an oblong shape. The leaf pairs grow opposite of each other with small petioles. There can be 100 flowers on a common milkweed plant, with roughly 30 flowers per stem. The petals can grow to be 1/3 inch long. The corolla bends backward in order to display the hoods and horns.

# Cow Vetch

(Weed)



Scientific name: Vicia cracca

Common names: Bird vetch

Habitat: fields, roadsides, and

meadows

Bloom period: May to Augsut

Height: 2 to 3 feet (stems)

Leaf arrangement: alternate

Description: Cow vetch is a violet and blue weed. The leaf arrangement is alternative and has leaflets that are on both sides of the stalk. The leaves have 8 to 12 pairs of oval leaflets. This weed can create seed pods that are green while they are maturing and then turn brown, and lance shaped.

## **Orchard Grass**

(Cat grass)



Scientific name: Dactylis

glomerata L.

Common names: Cocksfoot

Habitat: Savanna, woodland boarders, thickets, fence rows, old pastures, orchards, and miscellaneous waste areas

Height: 20 to 47 inches

Description: Orchard grass can grow to be 20 to 47 inches. The leaves on this type of cat grass are 2-8 mm wide and 8 to 12 inches long. These leaves are V-shaped at the base with a t slender tip and mid-nerve on the lower part.

# Oxeye Daisy

(Wildflower)



Scientific name: Leucanthemum

vulgare

Common names: Dog daisy and

Marguerite

Habitat: Grasslands, farmand, coastal, waste grounds, and roadsides. Full or partial sun

Bloom period: July to September

Height: Roughly 16 inches

Leaf arrangement: alternate

Description: Oxeye daisies have spoon-shaped leaves at the base, thin serrated leaves, and a long stem with hairs. Going up the stem, the alternating leaves grow smaller. The leaves found at the top of the stem do not have stalks, unlike the lower part of the steams leaves that are attached to tall, slender stalks. The flower head spans 2 to 6 cm across. There are roughly 20 to 20 white petals are 1 to 2 cm long.

## St. John's Wort

(Wildflower)



Scientific name: *Hypericum* 

prolificum

Common names: Goatweed, Klamath weed, and Hypericum

Habitat: Partial shade or shade. The soil can be either dry or moist. They grow in fields, roadsides, and waste areas

Bloom period: June to August

Height: 12 to 30 inches

Leaf arrangement: opposite

Description: St John's Wort is a symmetrical wildflower that has five yellow petals with black dots. The flowers are 2 to 2.5 cm wide. St. John's Wort's flowers are found on top the terminal shoot. The leaves on this wildflower are small, (2.5 to 5 cm long) and spotted.

## White Champion

(Wildflower)



Scientific name: Silene latifolia

Habitat: Fields, roadsides, and

waste areas

Bloom period: May to October

Height: 12 to 36 inches

Leaf arrangement: opposite

Description: White champion is a symmetrical wildflower that has a white or green-veined calyx with white or pale pink petals encircling it. The calyx on a female species is larger, 20-vined while the male species has a less bloated ten-veined calyx. The petals are 2.5 cm wide. The leaf shape found on this wildflower is lance shaped.

# White Meadowsweet

(Shrub)



Scientific name: Spiraea alba

Common name: Mead wort

Habitat: Marshes, meadows, fields, shores of rivers or lakes, swamps, and wetlands margins. Grows in either full or partial shade or full shade

Bloom period: June to September

Height: 2 to 6 ft

Leaf arrangement: alternate

Description: White meadowsweet is a shrub that grows multiple unbranched stems. The small 6-inch-long flowers are situated in conical, terminal spikes. The petals themselves are ½ inch across. The stamens on this flower make it appear furry. The leaves are oval shaped and serrated along the edges and are 3 inches long. This perennial shrub produces a brown fruit after flowering.

# White Sweet Clover

(Weed)



Scientific name: Melilotus alba

Common name: Honey clover

Habitat: Open fields, roadsides, woodland edges, and disturbed soil. Prefers full sun

Bloom period: June to October

Height: 2 to 8 feet

Leaf arrangement: alternate

Description: White sweet clover grows in clusters with racemes that resemble spikes that can grow up to 8 inches along the branching stems from the leaf axils. The flowers themselves are roughly ¼ inches long. The leaves on this weed have serrated edges with a rounded tip and a small, narrow stalk.

Glossary

<u>Calyx-</u> A component of a flower that contains separate or joined sepals

Corolla- A component of a flower that has separate or joined petals and comprises the inner whorl of the perianth

<u>Leaf axils-</u> The angle amidst a branch or leaf and the axils from where it emerges

Panicles- A loose branching array of flowers

<u>Petiole-</u> A stalk that is binds the leaf blade to the stem and can turn the leaf to face the sun

Stalks- The main stem on a plant

Stamens- Pollen producing male organ on a flower

## Map of the Reservoir



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