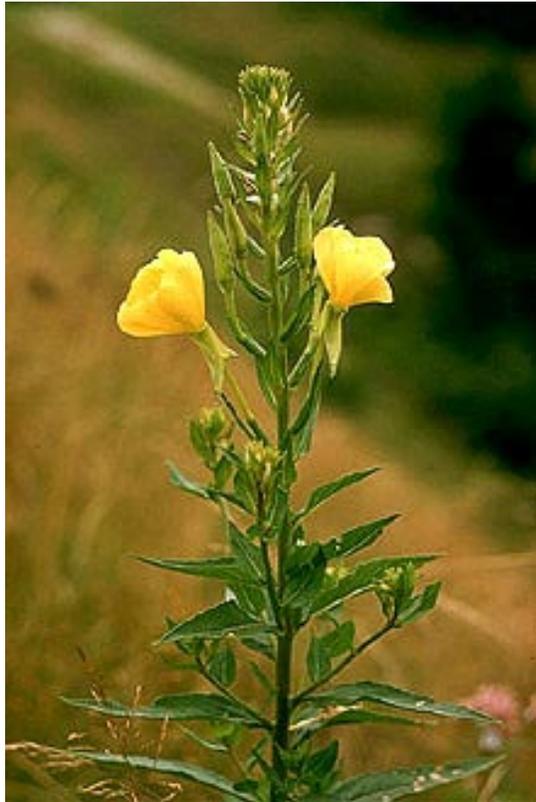


## COMMON EVENING- PRIMROSE

*Oenothera biennis* L.

plant symbol = OEBI

Contributed by: USDA, NRCS, National Plant Data Center



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### Alternate Names

Weedy evening-primrose, German rampion, hog weed, King's cure-all, fever-plant

### Uses

*Ethnobotanic:* The Cherokee, Iroquois, Ojibwas, and Potawatomi were among several Native American tribes that used common evening-primrose for both food and for medicinal purposes. The roots were boiled and eaten like potatoes. The young leaves were cooked and served as greens. The shoots were eaten raw. A tea was made from the plant and used as a dietary aid or

stimulant to treat laziness and “overfatness.” A hot poultice made from the pounded roots was applied externally to treat piles and boils. A poultice made from the entire plant was used to treat bruises. The roots were chewed and rubbed onto the muscles to improve strength. The plant was used to treat pain associated with menstruation as well as bowel pain. Handfuls of people still use the plant today, medicinally and for food.

*Other:* Common evening-primrose is commercially cultivated in over 15 countries for its oil which contains the essential fatty acids, linoleic acid and gamma linolenic acid (Kemper 1999). When the seedpods ripen, the tall stalks can be cut and used as interesting additions to dried arrangements.

*Wildlife:* Hummingbirds visit the flowers to obtain nectar and insects to eat. The seed capsules provide food for many other birds during the winter months. It is thought that the plants are pollinated by night-visiting hawk moths, which feed on their nectar. Japanese Beetles prefer the leaves of common evening-primrose to those of other garden plants.

### Status

Please consult the PLANTS Web site and your State Department of Natural Resources for this plant's current status (e.g. threatened or endangered species, state noxious status, and wetland indicator values).

### Weediness

This plant may become weedy or invasive in some regions or habitats and may displace desirable vegetation if not properly managed. Please consult with your local NRCS Field Office, Cooperative Extension Service office, or state natural resource or agricultural department regarding its status and use. Weed information is also available from the PLANTS.

### Description

*General:* Evening Primrose Family (Onagraceae). *Oenothera biennis* is a biennial, herbaceous forb. The family is so-named because the flowers are partially to fully closed during the day and open in the evening. The bright yellow to gold corolla is 2-5 cm wide, with four petals. The fragrant flowers usually last only one to two days. The erect stem, which sometimes branches near the top, can be covered with hairs. The plant grows from 3-25 dm tall. Basal leaves, which form a rosette, are from 10-30 cm long. The stem has alternate, lanceolate-shaped leaves, 2.5-15 cm long, that are shallowly toothed and wavy at the edges. The

leaves are usually hairy. The plant flowers can from June through October.

*Distribution:* For current distribution, please consult the Plant Profile page for this species on the PLANTS Web site.

### **Adaptation**

Common evening-primrose grows in dry open fields, along roadsides, railroad embankments, waste areas and in open woods.

### **Establishment**

These plants do best in well-drained soils in full sun. They can be easily grown from seed. The seeds are ripe when the seed capsule begins to split open, usually in October. To insure even planting, mix the seeds with a small amount of sand prior to sowing. The seeds usually germinate within four weeks. Thereafter, the plants will generally self-sow. Please use care when cultivating this plant as it has become invasive in many parts of the world.

### **Cultivars, Improved, and Selected Materials (and area of origin)**

These plants are readily available from commercial sources.

### **Control**

Please contact your local agricultural extension specialist or county weed specialist to learn what works best in your area and how to use it safely. Always read label and safety instructions for each control method. Trade names and control measures appear in this document only to provide specific information. USDA, NRCS does not guarantee or warranty the products and control methods named, and other products may be equally effective.

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For more information about this and other plants, please contact your local NRCS field office or Conservation District, and visit the PLANTS <<http://plants.usda.gov>> and Plant Materials Program Web sites <<http://Plant-Materials.nrcs.usda.gov>>.

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