

Invasive Species Factsheet-Sulfur Cinquefoil

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Species Common Name: Sulfur Cinquefoil

Species Scientific Name: *Potentilla recta*

Native Range and Introduction: This species is native to Mediterranean Region of Europe and Asia, it was first introduced around 1900, but pathway for introduction is not known. This species is now thought to be spread by human pathways including vehicles, ornamentals, and contaminated hay and seed.

Description: This species is a perennial forb that grows to between two to three feet. The plant leaves are palmately divided into 5 to 7 leaflets that have toothed margins. Stems are unbranched and have hairs that run perpendicular to it. The flowers have five petals and are pale yellow. Key characteristics to look at when distinguishing from other cinquefoils are the perpendicular hairs on the stem and the hairless top of the leaves.

Ecological and Economic Impacts: This species is a serious threat to biodiversity as it can choke out native vegetation. This plant is nearly unpalatable to livestock, which can cause a loss of carrying capacity for rangeland and pastures where infestations occur.

Regulated Status in Wyoming: Sulfur Cinquefoil is on five counties Declared Noxious Species List, they are Big Horn, Converse, Teton, Washakie, and Weston. The species is also on the North American Invasive Species Management Association Weed Free Forage Noxious Species List which Wyoming uses for its weed free forage standards.

Distribution in Wyoming: Sulfur Cinquefoil is found in 14 of the 23 counties in Wyoming.

Control Options:

Mechanical: Digging out plants can be somewhat effective on small patches if the entire root system is taken out.

Chemical: In a rangeland or pasture situation, Tordon 22K (Picloram), 2, 4-D or Milestone (Aminopyralid) can be applied to actively growing plants for effective control.

Cultural: Deferring spring grazing from areas that are susceptible to this species.

Biological: Grazing is not a real option and there currently isn't any insects available as bioagents.

Integrated Weed Management: This could include a fall application of herbicide, and then deferring grazing in that area the following spring to allow the grass species to increase, while the cinquefoil has been suppressed.

Online Resources:

URL: <https://www.fs.fed.us/database/feis/plants/forb/potrec/all.html>

URL: http://your.kingcounty.gov/dnrp/library/water-and-land/weeds/Brochures/Sulfur_Cinquefoil_factsheet.pdf

URL: <http://www.invasiveplantatlas.org/subject.html?sub=4431>

Image 1 URL: <https://www.invasive.org/browse/detail.cfm?imgnum=0023061>

Image 2 URL: <https://www.invasive.org/browse/detail.cfm?imgnum=5386440>



Image 1-Flowers



Image 2-Leaves and Hairs

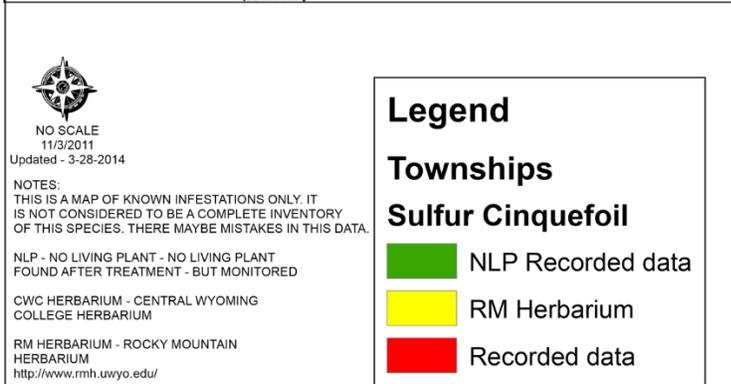
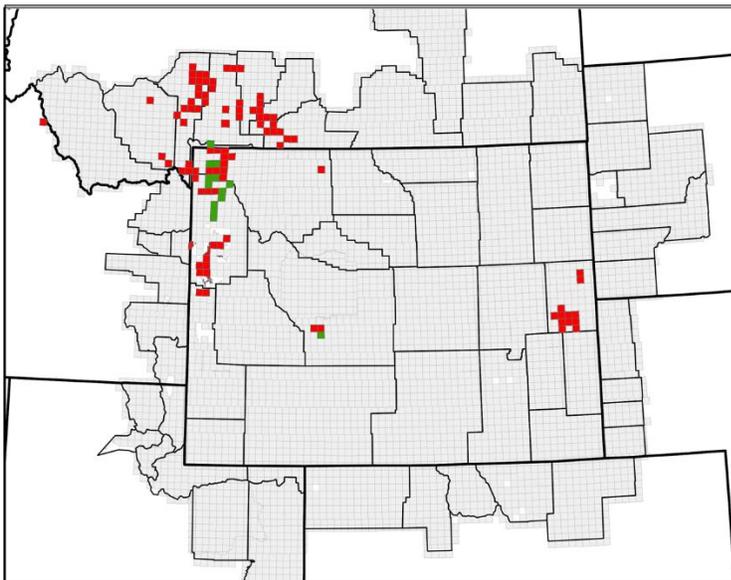


Figure 1-Sulfur Cinquefoil distribution in Wyoming and surrounding states

URL: <http://wyweed.org/images/Weed Maps/County Declared Weed maps/Sulfur cinquefoil.pdf>