

-State Species Abstract-  
-Wyoming Natural Diversity Database-

*EUTHAMIA GRAMINIFOLIA* VAR. *MAJOR*  
FLAT-TOP FRAGRANT GOLDENROD  
Family: Asteraceae

Status:

US Fish & Wildlife Service: None.

Agency Status: None.

Heritage Rank:

Global: G5T5 State: S1

WYNDD Plant List: Peripheral

(Low conservation priority)

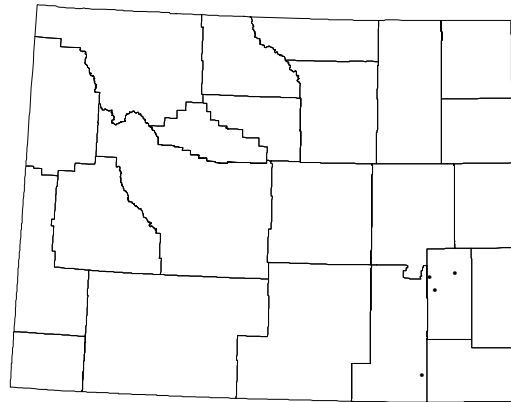
Description: Flat-top fragrant goldenrod is a glabrate, rhizomatous perennial forb with stems 30-70 cm tall. The narrow, 3-veined stem leaves are 3-12 cm long, 2-10 mm wide, and have tiny brown to black resin dots on the leaf surface (these may be obscure without magnification). Basal leaves are lacking at maturity. The inflorescence is broad and flat-topped. Flower heads have involucre 3-5 mm high with blunt-tipped bracts and 15-22 yellow ray flowers (Harrington 1954; Sierren 1981; Dorn 1992).

Synonyms: *Solidago graminifolia* var. *major*

Similar Species: *Euthamia* [*Solidago*] *occidentalis* is often over 1 m tall, with an elongated inflorescence (may be 1/3 to 1/2 the length of the plant) and sharp-tipped involucre bracts. Other *Solidago* spp. lack resin dots on the leaves or have less than 15 rays per head. *Petradoria pumila* lacks rhizomes, has a branched caudex, and heads with only 1-3 ray flowers.

Flowering/Fruiting Period: August - September.

Distribution: Newfoundland and northern Quebec to northern Michigan, Alberta, and



Above: Wyoming distribution of *Euthamia graminifolia* var. *major*

the northern Great Plains, south to New Mexico, Colorado and Kansas. In Wyoming, it is known only from the Laramie Range and Southeast Plains in Platte and Albany counties.

Habitat: Moist or drying sites along open streambanks or roadside ditches (Great Plains Flora Association 1986). In Wyoming, populations are found mostly on stony sandbars and streambanks at 4600-8000 feet.

Occurrences in Wyoming: Known from 4 occurrences in Wyoming, only two of which are recent (1989) and known extant. Also known from a fifth "unmappable" historical location.

Abundance: Abundance unknown.

Trends: Unknown.

Protection status: All known occurrences are on public lands managed for multiple use.

Threats: Unknown.

Managed Areas: One historical site may be within Camp Guernsey. Occurs in Medicine Bow National Forest and the BLM Casper Field Office.

References:

Dorn, R.D. 1977. Manual of the Vascular Plants of Wyoming. 2 volumes. Garland Publ., INC., New York, NY.

Dorn, R.D. 1992. Vascular Plants of Wyoming, second edition. Mountain West Publishing, Cheyenne, WY.

Gleason, H.A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Canada. New York Botanical Garden, Bronx, NY.

Great Plains Flora Association. 1986. Flora of the Great Plains. Univ. Kansas Press, Lawrence, KS.

Harrington, H. D. 1954. Manual of the Plants of Colorado. Sage Books, Chicago, IL.

Hartman, R. L. and B. E. Nelson. 1994. Status report on the general floristic inventory of the Southern Powder River Basin and Eastern Plains, Wyoming. Unpublished report prepared for the BLM Casper District by the Rocky Mountain Herbarium.

Hartman, R. L. and B. E. Nelson. 1995. Final report on the general floristic inventory of the southern Powder River Basin and Eastern Plains, Wyoming. Unpublished report prepared for the BLM Wyoming State Office by the Rocky Mountain Herbarium.

Larson, G.E. and J.R. Johnson. 1999. Plants of the Black Hills and Bear Lodge Mountains. South Dakota State University College of Agriculture and Biological Sciences & South Dakota Agricultural Experiment Station, Brookings, SD.

Sieren, D.J. 1970. A taxonomic revision of the genus *Euthamia*. PhD. thesis, Univ. of Illinois, Urbana.

Sieren, D.J. 1981. The taxonomy of the genus *Euthamia*. *Rhodora* 83:551-579.

Author: Walter Fertig

Updated: 00-08-21