

CRITERIA FOR LISTING / DELISTING A NON-NATIVE PLANT AS A NOXIOUS WEED IN MONTANA

The following are criteria used in the decision-making process for listing a species as a noxious weed in Montana. It is not a ranking list, and the results of this criteria alone do not justify a species' listing. The Montana State Noxious Weed Listing Work Group uses the following questions as a guide for further discussion and deliberation.

Common Name of Plant: _____ Date: _____

Latin Name of Plant: _____

1. Is the plant native to Montana or surrounding states and provinces? (refer to <http://plants.usda.gov>)
Yes (This plant will not be considered for noxious weed listing. Do not complete the following questions.)
No (Complete the following questions)

2. Based on data from the Montana Natural Heritage Program database, what is the percentage of Montana's area with suitable habitat and climate for this weed species.

Optimal and Moderate = _____ %- See Model Docs.

Area of predicted optimal habitat within modeled range

Area of predicted moderate suitability habitat within modeled range

Area of predicted low suitability habitat within modeled range

Total area of predicted suitable habitat within modeled range

Area of entire modeled range (percent of Montana) 380,529.0 km² (100.0%)

EDDMapS – _____ acres mapped at _____ locations

3. Is this weed included in a national or international weed list?

_____ # of listings _____ weed lists

4. How many neighboring States/Provinces list the weed as noxious ? (check all that apply)

_____ Oregon

_____ Washington

_____ Idaho

_____ Wyoming

_____ South Dakota

_____ North Dakota

_____ Southern Alberta

_____ Southern Saskatchewan

_____ British Columbia

_____ None

List Other US/Canadian: _____

5. How many acres does the weed infest in each **State/Province**? (use acre ranges provided)

_____ Oregon

Acres

_____ Washington

0

_____ Idaho

1 - 100

_____ Wyoming

100 – 1,000

_____ South Dakota	1,000 – 5,000
_____ North Dakota	5,000 - 10,000
_____ Southern Alberta	10,000 – 50,000
_____ Southern Saskatchewan	50,000 +
_____ British Columbia	

6. How many acres does the weed infest in **counties/portion of provinces immediately adjacent** to Montana? (fill in the counties)

Total Acres	Counties
0	
1 - 100	
100 – 1,000	
1,000 – 5,000	
5,000 - 10,000	
10,000 – 50,000	
50,000 +	

7. How many counties in Montana have listed the weed as noxious?

_____ # of counties

8. How many total acres does the weed infest in Montana? (place an 'X' in the appropriate row)

Total Acres	
0	
1 - 100	
100 – 1,000	
1,000 – 5,000	
5,000 - 10,000	
10,000 – 50,000	
50,000 +	

9. Which community types has the weed invaded? (**Fill in Y, N or U for each line.** Y = known to invade community type; N = does not invade community type; U = unknown if it invades community type)

_____ forest/grassland (>20" ppt)
 _____ forest/grassland (<20" ppt)
 _____ sagebrush/grassland (western Montana)
 _____ sagebrush/grassland (eastern Montana)
 _____ grassland (west)
 _____ grassland (east)
 _____ riparian/wetland
 _____ improved pasture
 _____ cropland
 _____ roadsides/right-of-ways
 _____ aquatic
 _____ none

10. Which of the potential negative impacts are associated with this weed? (Fill in Y, N or U for each line. Y = known impact; N = no known impact; U = unknown if it has this impact)

- _____ loss of forage production
- _____ loss of native plants
- _____ loss of biodiversity
- _____ loss of wildlife habitat
- _____ dominates the cover in healthy plant communities
- _____ increases soil erosion
- _____ reduces recreational value
- _____ poisonous to any animal
- _____ change in nutrient cycling
- _____ change in fire / disturbance cycle
- _____ causes human health concern
- _____ loss of cropland
- _____ none (0 points)

11. Which of the potential positive uses currently associated with this weed? (Fill in Y, N or U for each line. Y = known positive use; N = no known positive use; U = unknown if it has this positive use)

- _____ pollen for honey bees
- _____ potential food item source
- _____ potential medical uses
- _____ potential soil stability
- _____ grazing value
- _____ biofuel
- _____ windbreaks
- _____ gardening
- _____ cultural / historical
- _____ other

12. What is the rate of expansion known for this weed in Montana or other states?

- _____ declining
- _____ stable
- _____ slow/moderate expansion
- _____ fast expansion

13. Which of the following characterizes the plant? (Fill in Y, N or U for each line. Y = known characteristic; N = not a characteristic; U = unknown)

- _____ high seed production
- _____ long-lived seed-bank (over three years)
- _____ simultaneous asexual and sexual reproduction
- _____ short juvenile period
- _____ readily hybridizes
- _____ adapted to disturbance
- _____ rapid growth rate
- _____ early and continuous growth throughout the season

14. Which of the following Integrated Weed Management (IWM) tools are known to be **effective control** methods for this species? (check all that apply)

- ☐ mechanical
- ☐ cultural
- ☐ chemical
- ☐ biological
- ☐ grazing
- ☐ revegetation

15. What is estimated cost (economic feasibility) of control per acre for this species?

- ☐ \$1-\$25
- ☐ \$26-\$50
- ☐ \$51-\$75
- ☐ \$76-\$100
- ☐ >\$100

16. What industries in Montana will be negatively effected economically (financially) by this species being listed as noxious? (check all that apply)

- ☐ Farmers and ranchers
- ☐ Seed companies
- ☐ Horticultural industry
- ☐ Mineral extraction/oil and gas development
- ☐ Chemical
- ☐ Real estate
- ☐ Tourism
- ☐ State/federal agencies
- ☐ Outfitting (hunting and fishing)