

# Management of *Leucanthemum vulgare* (oxeye daisy)



Lewis and Clark County Noxious  
Weed Control District  
3402 Cooney Dr Helena | MT 59602

# Montana Priority 2B Noxious Weed

## Plant Description

*Leucanthemum vulgare*, oxeye daisy, is a short lived, clumping perennial forb with an extensive, but shallow root system. It can reproduce by seeds and rhizomes. Ray flowers are white in color and disc flowers are bright yellow-orange. The leaves are spoon-shaped, dark green, and have coarse, rounded teeth on the margins. The oxeye daisy grows 20-80 cm tall.

## Mechanical Control

Hand removal of small infestations can provide effective control. Bag and dispose of any plants producing buds or flowers to prevent seed dispersal. Mow to reduce seed production. Mowing prior to the flower stage can reduce seed production but will not control established plants.

## Biological Control

There are currently no biocontrol agents available for the oxeye daisy.

## Cultural Control

Re-establishment of plant communities provides competition, which will reduce and prevent oxeye daisy spread. Controlled burns have not been known to be effective. Repeated grazing before bloom by sheep or goats controls oxeye daisy populations. Seeds can survive ingestion by animals.



Recommended Treatment Timeline				
Control Type	Winter	Spring	Summer	Fall
Mechanical		Hand pull, bag and dispose, Mow before bloom	Hand pull, bag and dispose, Repeated mowing	Hand pull, bag and dispose
Biological	None available			
Cultural		Revegetation, Graze before bloom	Repeated grazing	
Chemical	Foliar spray	Foliar spray		Foliar spray

# Chemical Control

Follow the directions on herbicide labels, the label is the law. Calibrate equipment for accurate application. Commonly used herbicides are listed below, order of listing is not reflective of efficacy or recommendation.

Personal protective equipment must be worn when applying herbicides. Only apply herbicides in appropriate weather conditions.<sup>a</sup>

Use appropriate surfactants as listed in the product label.<sup>a</sup>

<sup>a</sup>Read and follow all instructions in the label of the herbicide.

Chemical Control Table							
Use Site	Herbicide (Active Ingredient - Trademark)	Pre-emergent or Soil Residual Activity	Post-emergent (Foliar Applied)	Large Sprayer Rate per Acre	Spot Treatment Rate for Every 1 Gallon of Water	Restricted Entry Interval (Hours)	Application Notes and Environmental Advisories*
Turfgrass, Non-cropland, Rangeland	2,4-D Amine - Gordon's <sup>b</sup>	no	yes	1 - 2 qt	Consult label	48	Apply in spring while in seedling or rosette growth stage. Toxic to fish and aquatic invertebrates. Groundwater and surface water advisories.
Turfgrass	2,4-D Amine, Dicamba, MCPA - Gordon's Trimec Broadleaf Herbicide <sup>b</sup>	no	yes	Consult label	Consult label	48	Do not broadcast apply when air temperatures exceed 90°F. Apply before the flowering stage to prevent seed production; best applied to young plants from the rosette to bolting stage. Toxic to fish and aquatic invertebrates. Groundwater and surface water advisories.
Rangeland, Permanent Grass Pasture, CRP, Natural Areas	Aminopyralid + metsulfuron methyl - Chaparral <sup>b</sup>	no	yes	2.5 - 3.3 oz	0.7 - 1 gram	28	Apply during rosette to bolting stage, but before pre-bud stage. Non-target organism advisory. Windblown soil particle advisory.
Forest	Clopyralid - Transline <sup>b</sup> , Sonora <sup>b</sup>	no	yes	⅓ - 1 ⅓ pt	Consult label	12	Apply in spring, up to the flower bud stage. Groundwater and surface water advisories. Sonora is combustible.
Rangeland, Non-cropland, ROW	Aminopyralid - Milestone <sup>b</sup>	yes	yes	4 - 7 oz	Calibration necessary, consult label for conversion	48	Apply during pre-bud stage of development; for pre-emergent treatments, apply in winter to early spring. Groundwater and surface water advisories.
	Aminopyralid + metsulfuron methyl - Opensight <sup>b</sup>	no	yes	2.5 - 3.3 oz	0.7 - 1 gram	48	Apply during rosette to bolting stage, but before pre-bud stage. Non-target organism advisory. Windblown soil particle advisory.
	Metsulfuron methyl - Escort XP <sup>b</sup>	no	yes	0.5 - 1 oz	1 gram	4	Apply in early spring or late fall, from rosette to bud/bloom growth stages. Groundwater and surface water advisories. Non-target organism advisory. Windblown soil particle advisory.
Non-cropland, ROW	Chlorsulfuron - Telar XP <sup>b</sup>	yes	yes	1 - 2.6 oz	0.6 - 1.6 gram	4	Apply on rosettes in spring before bolting; new rosettes in the fall. Groundwater and surface water advisories. Non-target organism advisory.
Ornamentals	Glyphosate - Roundup ProMax <sup>b</sup>	no	yes	1.33 - 2.67 qt (Roundup ProMax <sup>b</sup> )	1 - 1.5% v/v solution (Roundup ProMax <sup>b</sup> )	4	Apply on rosette to bud stage. Surface water advisory.

<sup>a</sup>Lewis and Clark County Noxious Weed Control Division does not endorse any trademarks or commercial names listed above.

This table summarizes selected registered use sites and is not intended to represent all approved uses. Pesticide applicability, use sites, and restrictions vary by product and formulation. Applicators must consult and follow the most current product label, which takes precedence over this document.

## References

- Alligare. *Sonora*. U.S. Environmental Protection Agency Registration No. 81927-69.
- Bayer Cropscience. (2020). *Roundup ProMax*. U.S. Environmental Protection Agency Registration No. 524-579.
- Corteva Agriscience. (2023). *Chaparral*. U.S. Environmental Protection Agency Registration No. 62719-597.
- Corteva Agriscience. (2023). *Milestone*. U.S. Environmental Protection Agency Registration No. 62719-519.
- Corteva Agriscience. (2023). *Opensight*. U.S. Environmental Protection Agency Registration No. 62719-597.
- Corteva Agriscience. (2022). *Transline*. U.S. Environmental Protection Agency Registration No. 62719-259.
- Corteva Agriscience. (2025). *Tordon 22k*. U.S. Environmental Protection Agency Registration No. 62719-6.
- Ditomaso, J. M., Kyser, G. B., Oneto, S. R., Wilson, R. G., Orloff, S. B., Anderson, L. W., Wright, S. D., Roncoroni, J. A., Miller, T. L., Prather, T. S., Ransom, C. V., Kenneth George Beck, Duncan, C. A., Wilson, K. A., J Jeremiah Mann, Department, Davis., & Weed, Davis. (2013). *Weed control in natural areas in the Western United States*. University Of California Weed Research And Information Center.
- Envu. *Escort XP*. U.S. Environmental Protection Agency Registration No. 101563-167.
- Oxeye Daisy — *Leucanthemum vulgare*. Montana Field Guide. Montana Natural Heritage Program. <https://FieldGuide.mt.gov/speciesDetail.aspx?elcode=PDAST5V040>
- PBI Gordon Corporation. *Gordon's Amine 400 2,4-D Weed Killer*. U.S. Environmental Protection Agency Registration No. 2217-2.
- PBI Gordon Corporation. *Trimec Classic Broadleaf Herbicide*. U.S. Environmental Protection Agency Registration No. 2217-543.

