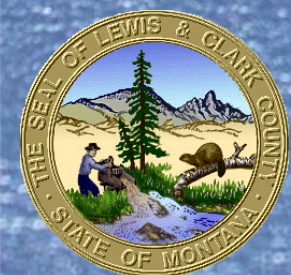


# Management of *Ventenata dubia*



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

# Montana Priority 2A Noxious Weed

## Plant Description

*Ventenata dubia*, commonly referred to as Ventenata or North African grass, is a winter annual bunchgrass with shallow roots. It has an open panicle of flowers and a long membranous ligule. The nodes along the green to brown stems are reddish black in color. Stems grow 15-70 cm. At maturity the awns become twisted and bent.

## Mechanical Control

Hand removal is effective on small infestations but is not feasible on a large scale. Bag and dispose of material with seeds.

## Biological Control

There is currently no available biocontrol agent for ventenata.

## Cultural Control

Grazing is unlikely to be effective because of ventenatas low palatability. There is no direct evidence to support the effectiveness of controlled burns. However, controlled burns on similar species in summer provided some control if conducted while the seeds were still on the plants. Revegetation is important. Introduce desirable vegetation, especially in areas with disturbance. Plant competition prevents the invasion of new and existing unwanted vegetation.



Image: Zoya Akulova



Image: Prof Matt Lavin-2008/Bozeman, Montana, USA - CC BY-SA 2.0

## Recommended Treatment Timeline

| Control Type | Spring                     | Summer                     | Fall                       |
|--------------|----------------------------|----------------------------|----------------------------|
| Mechanical   | Hand pull, bag and dispose | Hand pull, bag and dispose | Hand pull, bag and dispose |
| Biological   | None available             |                            |                            |
| Cultural     | Revegetation               |                            | Revegetation               |
| Chemical     | Foliar spray (Glyphosate)  | Foliar spray (Indaziflam)  | Foliar spray (Imazapic)    |

# 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*   |
|--------------------------------------|---|--|--------------------------------|--|---|-----------------------------------|---|
| Non-Crop Areas, ROW, Grazed Areas    | Indaziflam - Esplanade 200 sc <sup>b</sup>    | yes                                    | no                             | 3 - 6 oz                               | Consult label                                   | 12                                | Apply in the fall with sufficient precipitation following the application to activate the herbicide. Persistent in the soil for multiple years. Groundwater and surface water advisories.                           |
| Rangeland, CRP Lands, Natural Areas  | Indaziflam, Rimsulfuron -Rejuvra <sup>b</sup> | yes                                    | no                             | 3 - 6 oz                               | Consult label                                   | 12                                | Apply in the fall with sufficient precipitation following the application to activate the herbicide. Persistent in soil for multiple years. Groundwater and surface water advisories. Non-target organism advisory. |
| Pastures, Rangelands, Non-Crop Areas | Imazapic - Plateau <sup>b</sup>               | no                                     | yes                            | 5 - 6 oz                               | Consult label                                   | 12                                | Apply in fall. Early spring applications can damage perennial species. Groundwater and surface water advisories. Non-target organism advisory.  |
| Ornamentals                          | Glyphosate -Roundup ProMax <sup>b</sup>       | no                                     | yes                            | 0.75 pt (Roundup ProMax <sup>b</sup> ) | 1 ½ tsp (Roundup ProMax <sup>b</sup> )          | 4                                 | Apply in spring for reducing seed production. Most effective to apply during the fall to prevent injury to native plant species. Surface water advisory.  |

<sup>b</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

BASF Corporation. (2023). *Plateau*. U.S. Environmental Protection Agency Registration No. 241-365.

Bayer Cropscience. (2020). *Roundup ProMax*. U.S. Environmental Protection Agency Registration No. 524-579.

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. 62719-259.

Envu. *Esplanade 200 SC*. U.S. Environmental Protection Agency Registration No. 101563-144.

Envu. *Rejuvra*. U.S. Environmental Protection Agency Registration No. 101563-208.

