

Logan County Weed Board

301 Broadway | Napoleon, ND 58561 | 701-754-2504

Logan County Weed Board

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DATE: April 15, 2024

TO: Logan County Landowners

The Logan County Weed Board is offering the cost share of any chemicals recommended in the current *ND Weed Control Guide* for control of leafy spurge, spotted knapweed, yellow toadflax, houndstongue, Canada thistle, and wormwood, or Palmer Amaranth. **Canada thistle and wormwood control is offered with a limit of \$500. Palmer Amaranth control will be cost shared at maximum \$500 for labor, not chemical control.**

Pasture and rangeland reimbursement is available at 80% of the cost of chemicals. For control along roadside right-of-ways, reimbursement is available at 100% of the chemical cost. Cost-share is not available for cropland, CRP, or labor for these weeds. **Limits of \$24/acre and \$5,000 total reimbursement per producer, per calendar year apply.**

Plateau is a non-restricted use chemical; therefore, you do not need a pesticide certification for purchase. Plateau has shown to be very effective for leafy spurge control. In some cases, you may see control for 2-3 years before you have to spray again, although it is recommended to monitor and spray any regrowth that occurs. **The application rate for optimum fall control is 8-12 ounces of Plateau, 1-quart Methylated Seed Oil (MSO) and 28% UAN per acre, (1-quart R-11 per acre may be used in place of MSO).** This mixture is most effective at a high rate; however, you may see some injury to cool season grasses. The low rate often provides adequate control with reduced grass injury. Plateau use in non-cropland has two important benefits, minimal injury to desirable forage grasses, and minimal injury to several desirable broadleaf species. The *ND Weed Control Guide* suggests using a rate of 1-2 pints Tordon and 1 quart 2,4-D per acre for leafy spurge control as an alternative to Plateau.

A good option for controlling spotted knapweed is Milestone or Tordon. Yellow toadflax has been successfully controlled with a mixture of Tordon and Overdrive. For rates and timing, consult the *ND Weed Control Guide*.

For control of yellow toadflax, a tank mix of Tordon, 22K at the high rate and Overdrive has been providing results. Applying midsummer during flowering or in fall prior to a frost is recommended for the best control.

To apply for cost share, supply the following documentation to the NDSU Extension Logan County office no later than **Thursday, June 20, 2024.**

- Enclosed two-sided **application**
- Copies of **receipt for chemical** used
- **FSA (or similar) map** showing sprayed areas

Incomplete or tardy applications/documentation may cause reimbursement to be delayed or denied at the discretion of the Logan County Weed Board.

Controlling noxious weeds is required by North Dakota Law. Our program has been successful in the past due to the concern and involvement of Logan County residents and landowners. The Weed Board hopes this can continue. Contact the NDSU Extension - Logan County office with questions or concerns at 701-754-2504 or email justin.j.leier@ndsu.edu.

North Dakota Noxious Weeds

County commissions, North Dakota State University and U.S. Department of Agriculture cooperating.

- Absinth Wormwood (*Artemisia absinthium* L.))
- Canada Thistle (*Cirsium arvense* (L.) Scop.)
- Dalmatian Toadflax (*Linaria genistifolia* spp. dalmatica)
- Diffuse Knapweed (*Centaurea diffusa* Lam.)
- Houndstongue (*Cynoglossum officinale* L.)
- Leafy Spurge (*Euphorbia esula* L.)
- Musk Thistle (*Carduus nutans* L.)
- Palmer amaranth (*Amaranthus palmeri*)
- Purple Loosestrife (*Lythrum salicaria* L., *Lythrum virgatum* L., and all cultivars)
- Russian Knapweed (*Centaurea repens* L.)
- Saltcedar (*Tamarisk* spp.)
- Spotted Knapweed (*Centaurea maculosa* Lam.)
- Yellow Toadflax (*Linaria vulgaris*)

Additional County Noxious Weed for **Logan County**: Black Henbane

The following links with ND Department of Agriculture have additional information on noxious weeds:

<https://www.nd.gov/ndda/plant-industries/noxious-weeds>

The *ND Weed Control Guide* is updated annually:

<https://www.ag.ndsu.edu/weeds/weed-control-guides/nd-weed-control-guide-1>

Palmer Amaranth (PA)

The Logan County Weed Board has approved up to \$500 cost share funds per landowner for manual labor in the hand removal of Palmer Amaranth (PA). Landowner must follow protocol:

1. Landowners should scout fields starting in late spring through summer and fall, especially before harvest.
2. **When a suspicious plant is found, contact:**
NDSU Extension ANR Agent, Logan County: Justin Leier, 701-754-2504, justin.j.leier@ndsu.edu
Mark/flag the location and **LEAVE THE PLANT IN PLACE to not spread seed.**
 It is easier to identify if it hasn't been pulled.
3. The county weed officer will work with the NDSU Extension ANR Agent to:
 - Gather photos and information to send to NDSU weed specialist(s) for confirmation or ruling out PA.
 - Develop an action plan with an NDSU specialist if PA is confirmed.
4. Landowners should hand pull, bag on site and destroy confirmed PA plants.
5. PA plants should be burned or deeply buried to prevent movement of seed.
6. Landowners should work with their county weed control officer and continue to survey the field for a period of 3-5 years post removal to verify no additional PA is found.
7. **For \$500 cost share on hand pulling labor, complete cost-share application, receipt/evidence of labor paid, FSA or similar map of area controlled. Replace chemical references on the application with man hours.**

Logan County Weed Board Application for Cost Share

This application verifies that I, _____, sprayed to control leafy spurge, spotted knapweed, yellow toadflax, houndstongue, Canada thistle, wormwood, or Palmer amaranth on _____.
Month/Day/Year

North Dakota state law requires the control of noxious weeds. The Logan County Weed Board offers cost share towards the chemical cost to control leafy spurge, spotted knapweed, yellow toadflax, wormwood, and *Canada thistle at the rate of 80% for pasture and rangeland applications and 100% for roadside applications not to exceed \$24.00 per acre. A calendar year maximum reimbursement of \$5,000 per producer also applies. No cost share is available for labor, cropland, or CRP applications. **Canada thistle and wormwood control is offered only with a limit of \$500. Palmer amaranth cost share is for up to \$500 toward labor, not chemical control.**

This **application (front and back)** must be completed and returned with copies of **receipt(s) for chemical used** and **FSA (or similar) map** showing specific areas that were sprayed. All documentation **must be received** in our office by **Thursday, June 20, 2024**. Incomplete application/documentation may cause reimbursement to be delayed or denied at the discretion of the Logan County Weed Board.

In the spaces below, please provide a list of noxious weeds you attempted to control. *If controlling more than one weed on the same section, please use one line for each weed controlled (Choose either Pasture/Rangeland OR Roadside) and estimate the controlled acreage of each weed. (Whole numbers only - no 0.5 acres. Use 1 acre for amounts below 1 acre.)*

EXAMPLE Leafy Spurge	12	<input checked="" type="checkbox"/> Pasture/Rangeland	0-000-00
Noxious Weed	Est. Acres	<input type="checkbox"/> Roadside	Section-Township-Range

Noxious Weed	Est. Acres	<input type="checkbox"/> Pasture/Rangeland <input type="checkbox"/> Roadside	Section-Township-Range
Noxious Weed	Est. Acres	<input type="checkbox"/> Pasture/Rangeland <input type="checkbox"/> Roadside	Section-Township-Range
Noxious Weed	Est. Acres	<input type="checkbox"/> Pasture/Rangeland <input type="checkbox"/> Roadside	Section-Township-Range
Noxious Weed	Est. Acres	<input type="checkbox"/> Pasture/Rangeland <input type="checkbox"/> Roadside	Section-Township-Range
Noxious Weed	Est. Acres	<input type="checkbox"/> Pasture/Rangeland <input type="checkbox"/> Roadside	Section-Township-Range

Attach additional sheet if needed.

Please fill in the chemical name(s) and **amount of each chemical USED** in the control of noxious weeds from the first page of application. Indicate the application rate used. Recommendations for rates are in the *ND Weed Control Guide*.

EXAMPLE Plateau	1	Gallon	10 oz. / acre
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Chemical Used	Amount USED	Unit (oz. pt. qt. gal.)	Application Rate
Chemical Used	Amount USED	Unit (oz. pt. qt. gal.)	Application Rate
Chemical Used	Amount	Unit	Application Rate
Chemical Used	Amount	Unit	Application Rate
Chemical Used	Amount	Unit	Application Rate
Chemical Used	Amount	Unit	Application Rate

Name: _____

Phone: _____

Address: _____

Cell Phone: _____

City, State: _____

Email: _____

Zip Code: _____

My signature verifies that all of the information provided on this application is accurate and correct.

Applicant's signature: _____ ***Date:*** _____

This **application**, copies of your **chemical receipt(s)**, and **map(s)** indicating the areas controlled **must be received** in our office by **Thursday, June 20, 2024**. Call the NDSU Extension - Logan County office with questions at 701-754-2504.

Submit your application and supporting documentation:

Mail: Logan County Weed Board, 301 Broadway, Napoleon, ND 58561

E-mail: Justin.J.Leier@ndsu.edu