

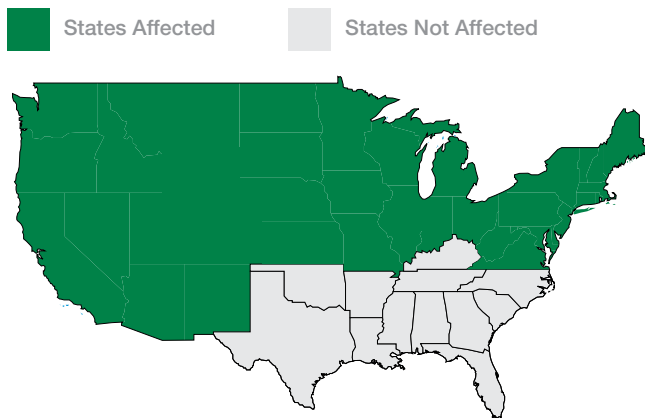
Plateau[®], Detail[®] and Overdrive[®] Herbicides

For control of Leafy Spurge and Dalmatian Toadflax

Leafy Spurge Listed as regulated noxious weed

In 22 states, leafy spurge has emerged as one of the most aggressive and damaging weeds in the northern Great Plains and beyond. According to the U.S. Department of Agriculture, this noxious weed infests five million acres of land in 35 states, costing agricultural producers and taxpayers hundreds of millions of dollars from production losses, control expenses and other impacts on the economy.

Leafy Spurge distribution in the United States



A deep-rooted perennial weed, leafy spurge poses a significant environmental hazard because of its ability to choke out desirable forbs and vegetation, destroy grazing land, reduce rangeland productivity and degrade wildlife habitat. In fact, according to a survey by the Agriculture Research Service of the U.S. Department of Agriculture, 82 percent of ranchers identified leafy spurge as their most important problem.

Replacing beneficial forage and grasses with a vast, toxic monoculture, leafy spurge devours nutrients, water and sunlight sought by desirable plants, and robs wildlife, cattle and other grazing animals of their habitat and food sources.

Leafy spurge is distinguished from other plants by the white sap that will ooze from all parts of the plant when cut or broken open. Cattle and horses generally avoid leaf spurge, but if ingested, the milky sap can blister and irritate the skin, gums and digestive tract of the animals and can be fatal in large amounts.

Characteristics of Leafy Spurge

- Perennial, up to 3 feet tall
- Extensive root system (15 feet or more), tough to eliminate
- Milky white sap, toxic to cattle and grazing animals
- Upright, thickly clustered stems
- Yellowish-green flowers, enclosed in yellowish bracts
- Small, oval to lance-shaped leaves

Plateau[®] herbicide is the only product that can selectively control leafy spurge while releasing desirable perennial grasses and many tree, brush, wildflower and legume species, as well as several native warm-season grasses that offer beneficial forage quality, such as big bluestem, little bluestem and Indiangrass.

An 8 to 12oz/A application of **Plateau**, in the fall, can begin to turn once unproductive rangeland into quality forage and grasses for cattle. Remove troublesome leafy spurge and allow beneficial forbs and legumes to flourish. Get your grazing land back – gain new ground with **Plateau**.

Gauging the Impact

One of the most destructive characteristics of leafy spurge is its ability to quickly overrun open fields and rangeland. The plant displaces all other vegetation by shading and taking available water and nutrients from native species. Leafy spurge is extremely aggressive and, if left untreated, will out-compete native plants and eventually dominate vegetation.

Plateau developed by BASF, is the first product to provide successful long-term control of this noxious weed. While other herbicides only control the above-ground portion of the weed through spring applications, **Plateau** uses a fall-applied solution that moves deep into the roots as the plant is storing nutrients for winter.

Gain New Grounds

Although leafy spurge continues to aggressively attack the environment by infesting millions of acres of land and displacing native habitat, the development of innovative solutions, such as **Plateau**, is finally enabling landowners and wildlife managers to take firm control of the problem. The result is the ability to reclaim precious acres - saving ecosystems, wildlife and livelihoods.

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Plateau Application Rate and Timing

Timing: **Plateau** should be applied after good soil moisture is present, but prior to leafy spurge losing its milky sap. Applications can typically start around mid-August.

Rate: For control of leafy spurge, apply **Plateau** in the fall at 8 to 12 oz/A, plus 1 qt/A MSO.

- **Plateau** should be applied after good soil moisture is present, but prior to the leaf spurge losing its milky sap. Applications can typically start around mid-August.
- **Plateau** is nonvolatile and nonrestricted-use herbicide. There are no grazing restrictions and a 7-day haying restriction.
- **Plateau** is the recommended herbicide for the most effective weed and grass management program.



Spring and Summer Alternative for Broad-Spectrum Control

In many situations, a spring or summer application is needed to control leafy spurge and other broadleaf weeds, such as Canada thistle. In those sites, an application of **Overdrive**® herbicide and/or **Detail**® provides excellent control of leafy spurge and many other troublesome broadleaf weeds.

Timing: Spring or summer, once leafy spurge begins to flower

Rate: Apply **Plateau** at 8-12 oz/A + **Overdrive** at 4 oz/A and/or **Detail** at 2 oz/A. Always include a nonionic surfactant at a rate of 1 qt/100 gallons of spray mixture (0.25%). **Facet**® herbicide is also recommended mixing with **Overdrive**.

Recent studies at the University of Nebraska have found excellent control of Leafy Spurge with a spring or summer application of 4 to 6 oz. of **Plateau** mixed with 2 oz. of **Detail** and 1% MSO. The results indicate an affordable program with results equal to or better than the competitive standard program of **Tordon**® 22K.

Amounts Per Gallon

Spray Volume	Approximate amount of Plateau to add to each gallon Recommended Herbicide Rate Per Acre			Amount of MSO (methylated seed oil) to add to each gallon
	8 oz	10 oz	12 oz	
GPA	8 oz	10 oz	12 oz	2 pints/A
20	2 1/2 tsp	1 Tbsp	3 1/2 tsp	10 tsp
30	1 1/2 tsp	2 tsp	2 1/2 tsp	2 Tbsp
40	1 1/4 tsp	1 1/2 tsp	2 tsp	2 Tbsp
50	1 tsp	1 1/4 tsp	1 1/2 tsp	2 Tbsp

For sprayer output above 50 GPA, use a 1/8% or 1/16% solution of Plateau and a 1% solution of MSO. (Output volumes about 50 GPA are not required for adequate coverage.)

GPA	1/8 % Plateau	1% MSO
60-80	1 tsp	2 1/2 Tbsp
GPA	1/16 % Plateau	1% MSO
80-100	1/2 tsp	2 1/2 Tbsp

Amounts For A Full 10-Gallon Spray Tank

Spray Volume	Approximate amount of Plateau to add to a full 10-gallon tank Recommended Herbicide Rate Per Acre			Amount of MSO (methylated seed oil) to add to each gallon
	8 oz	10 oz	12 oz	
GPA	8 oz	10 oz	12 oz	2 pints/A
20	1/2 cup	5 oz	6 oz	1 pint
30	1/3 cup	3.3 oz	1/2 cup	1 1/3 cup
40	4 Tbsp	5 Tbsp	6 Tbsp	1 cup
50	3 Tbsp	4 Tbsp	5 Tbsp	6 oz

For sprayer output above 50 GPA, use a 1/8% or 1/16% solution of Plateau and a 1% solution of MSO. (Output volumes about 50 GPA are not required for adequate coverage.)

GPA	1/8 % Plateau	1% MSO
60-80	1.6 oz	12.8 oz
GPA	1/16 % Plateau	1% MSO
80-100	1 1/2 tsp	12.8 oz

Amounts For A Full 24-Gallon Spray Tank

Spray Volume	Approximate amount of Plateau to add to a full 24-gallon tank Recommended Herbicide Rate Per Acre			Amount of MSO (methylated seed oil) 24-gallon tank
	8 oz	10 oz	12 oz	
GPA	8 oz	10 oz	12 oz	2 pints/A
20	9.6 oz	12 oz	14.4 oz	2.4 pints
30	6.4 oz	1 cup	9.6 oz	1.6 pints
40	4.8 oz	6 oz	7.2 oz	1.2 pints
50	3.8 oz	3.8 oz	5.8 oz	1 pint

For sprayer output above 50 GPA, use a 1/8% or 1/16% solution of Plateau and a 1% solution of MSO. (Output volumes about 50 GPA are not required for adequate coverage.)

GPA	1/8 % Plateau	1% MSO
60-80	3.8 oz	31 oz
GPA	1/16 % Plateau	1% MSO
80-100	1.9 oz	31 oz

Always read and follow label directions.

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Herbicide Herbicide Herbicide