

Spot Spraying Rates and Recommendations for Brush Control

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This guide offers both per acre rates and spot spraying rates of herbicides to use for controlling brush and costs based on prices from the Kansas State University 2024 Chemical Weed Control Book (SRP 1183).

A list of herbicides that are typically used for brush control and the prices that are used to calculate the cost of treatment.

<u>Herbicide</u>	<u>Manufacturer</u>	<u>Cost</u>	<u>Active Ingredients</u>
Crossbow	Several	\$48.45/gallon	2.0 lb 2,4-D & 1.0 lb Triclopyr/gallon
Chaparral	Corteva	\$6.35/ounce	52.5% Aminopyralid & 9.45% metsulfuron
Escort XP	Bayer CS	\$4.30/ounce	Metsulfuron
Grazon Next HL	Corteva	\$61.15/gallon	0.41 lb Aminopyralid & 3.33 lb 2,4-D Amine/gallon
Remedy Ultra	Corteva	\$78.10/gallon	4.0 lb Triclopyr/gallon
Tordon 22K (<i>restricted use</i>)	Corteva	\$78.55/gallon	2.0 lb Picloram/gallon
2,4-D LVE	Several	\$30.85/gallon	6.0 lb/gallon

HEDGE: (Foliar Application) June - July. Can use Remedy Ultra **OR** Crossbow. Remedy Ultra is cheaper on a per treatment basis. One gallon of Remedy Ultra contains four times as much triclopyr as one gallon of Crossbow.

Sprayer Size/Amount of

<u>Water</u>	<u>Remedy Ultra & Cost</u>	<u>or</u>	<u>Crossbow & Cost</u>
Per Acre Rate	1.5 pints/\$14.64		1.5 gallons/\$72.68
14 gallon	9 ounces/\$5.49		27 ounces/\$10.22
25 gallon	1 pint/\$9.76		1.5 quarts/\$18.17
50 gallon	1 quart/\$19.53		3 quarts/\$36.34
100 gallon	2 quarts/\$39.05		1.5 gallons/\$72.68

GENERAL BRUSH & LOCUST: (Foliar Application) June - July. Whenever you have locust trees you are treating, you need to have some Tordon 22K in your mix for more effective control.

Sprayer Size/Amount of

<u>Water</u>	<u>Remedy Ultra & Cost</u>	<u>Tordon 22K & Cost</u>	<u>2,4-D LVE & Cost</u>	<u>Surfactant</u>
Per Acre Rate	1.5 pints/\$14.64	1 pint/\$9.82	1 pint/\$3.86	1 pint
14 gallon	9 ounces/\$5.49	9 ounces/\$5.52	9 ounces/\$2.17	9 ounces
25 gallon	1 pint/\$9.76	1 pint/\$9.82	1 pint/\$3.86	1 pint
50 gallon	1 quart/\$19.53	1 quart/\$19.64	1 quart/\$7.71	1 quart
100 gallon	2 quarts/\$39.05	2 quarts/\$39.28	2 quarts/\$15.43	2 quarts

Heavy Brush: (Foliar Application) June - July. Very dense with multiple species present.

Sprayer Size/Amount of

<u>Water</u>	<u>Remedy Ultra & Cost</u>	<u>GrazonNext HL</u>	<u>Surfactant</u>
1 gallon	4 tsp/\$0.41	2 tsp/\$0.16	4 tsp
14 gallon	9.5 ounces/\$5.80	4.75 ounces/\$2.27	9.5 ounces
25 gallon	1 pint/\$9.76	8 ounces/\$3.82	1 pint
50 gallon	1 quart/\$19.53	1 pint/\$7.64	1 quart
100 gallon	2 quarts/\$39.05	1 quart/\$15.29	2 quarts

BLACKBERRIES: Apply in spring after plants have dropped their flower petals. Usually late May. Plants flower on year-old wood, so if plants were mowed off last summer or burned this spring, plants will not flower. In this case, wait until new growth has produced 18 inch long stems, then spray. Early June in most years.

Sprayer Size/Amount of

<u>Water</u>	<u>Remedy Ultra & Cost</u>	<u>or</u>	<u>Escort XP & Cost</u>	<u>Surfactant</u>
Per Acre Rate	1.5 pints/\$14.64		0.5 ounce/\$2.15	1 quart
14 gallon	18 ounces/\$10.98		0.14 ounce (4.2 grams)/\$0.58	1/2 cup
25 gallon	1 quart/\$19.53		0.25 ounce (7.5 grams)/\$1.08	1 cup
50 gallon	2 quarts/\$39.05		0.5 ounce/\$2.15	2 cups
100 gallon	1 gallon/\$78.10		1 ounce/\$4.30	1 quart

BUCKBRUSH: Apply when buckbrush is nearing full leaf stage and growing actively. Normal treatment time is May 1 - 15. 2,4-D LVE can be used at 1 - 2 quarts/acre or a 1% solution for spot treatments.

Sprayer Size/Amount of



<u>Water</u>	<u>2,4-D & Cost</u>
Per Acre Rate	2 quarts/\$15.43
14 gallon	18 ounces/\$4.34
25 gallon	1 quart/\$7.71
50 gallon	2 quarts/\$15.43
100 gallon	1 gallon/\$30.85

SERICEA LESPEDEZA: Two chemicals work well on Sericea Lespedeza. They are Remedy Ultra and Escort XP. Remedy Ultra applications work best when the new growth is 12 to 15 inches tall, which usually occurs in June. The broadcast application rate for Remedy Ultra is 1.5 pints per acre. Triclopyr is the active ingredient in Remedy Ultra. Escort XP works best when applied in the fall when the Sericea Lespedeza plants are flowering. Depending on moisture, that could be as early as mid-August, but generally occurs in September. If fall weather is dry, delay application until flowers open. Dry weather will result in poor herbicide uptake and poor control. Add a non-ionic surfactant to Escort XP.

Sprayer Size/Amount of

<u>Water</u>	<u>Remedy Ultra & Cost</u>	<u>or</u>	<u>Escort XP & Cost</u>	<u>Surfactant</u>
Per Acre Rate	1.5 pints/\$14.64		0.5 ounce/\$2.15	1 quart
14 gallon	18 ounces/\$10.98		0.14 ounce (4.2 grams)/\$0.58	1/2 cup
25 gallon	1 quart/\$19.53		0.25 ounce (7.5 grams)/\$1.08	1 cup
50 gallon	2 quarts/\$39.05		0.5 ounce/\$2.15	2 cups
100 gallon	1 gallon/\$78.10		1 ounce/\$4.30	1 quart

Spray Solution - In order to get good control, the amount of spray solution per acre must be increased. This is necessary to insure complete coverage of the sericea lespedeza plant. The recommended rates are:

-  By air -- minimum of three gallons per acre to as much as five gallons per acre for dense stands.
-  By ground -- a minimum of 10 gallons per acre to as much as 20 gallons per acre for dense stands.

All chemicals are subject to label statements. Those who apply chemicals are responsible for correct use. **ALWAYS READ THE LABEL BEFORE PURCHASE AND/OR USE.** Be sure you know how to apply, rate to apply, time of year to apply and use restrictions. **The user is responsible.**

Helpful Measurement Conversions

3 teaspoons = 1 tablespoon	1 pint = 2 cups = 16 ounces = 1 pound
2 tablespoons = 1 ounce	1 quart = 4 cups = 2 pints = 32 ounces
1 cup = 16 tablespoons = 8 ounces	1 gallon = 16 cups = 8 pints = 128 ounces