

REDUCED RATE APPLICATION FOR BIG SAGEBRUSH CANOPY COVER REDUCTION - THINNING - ARIZONA, COLORADO ETC.

Limitations, Restrictions, and Exceptions

REDUCED RATE APPLICATION FOR BIG SAGEBRUSH CANOPY COVER REDUCTION - THINNING

For Distribution and Use Only in the States of Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, South Dakota, Utah, Washington, and Wyoming

Spike 20P herbicide may be applied at reduced rates of 1.0 to 2.5 lb per acre of product (0.2 to 0.5 lb a.i./acre tebuthiuron) where reduction in big sagebrush (*Artemisia tridentata*) canopy cover is desired for wildlife habitat development and enhanced forage production. Application of reduced rates will thin (not eliminate) the live cover of big sagebrush resulting in a more open mosaic of woody and herbaceous vegetation and greater biodiversity on many sites.

The effectiveness of Spike 20P is dependent upon soil texture, soil organic matter, sagebrush density and plant growth conditions following application. The active ingredient (tebuthiuron) is more available for root uptake in coarse textured soils with low organic matter content. Conversely, in soils with high organic matter or clay content, a greater portion of the tebuthiuron will be bound (adsorbed) to the soil material and less available for uptake.

Application Rates

To choose the appropriate rate of Spike 20P, site characteristics, current live canopy cover, and desired live canopy cover must be considered.

Thinning: Rates of 1.0 to 1.5 lb/acre of Spike 20P (0.2 to 0.3 lb a.i./acre) are recommended to provide a thinning effect (50 to 75% canopy reduction) in big sagebrush growing on coarse to medium textured soils with less than 4% organic matter. Higher rates may be required to achieve the desired level of canopy cover reduction on sites with the following characteristics: Soils with greater than 4% organic matter content, soils with greater than 30% clay, or on sites with very dense sagebrush (40% or greater canopy cover).

NOTE: On high elevation areas (7800 ft or higher), or on sites with high organic matter (5% or greater), higher rates (2.5 to 3.5 lb/acre) may be required. Test areas are recommended before a large scale treatment program is initiated.

Method

[Soil Surface Treatment](#)

Rates

[field_rates 0](#)

[field_rates 1](#)

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Soils

[Coarse](#)

[Medium](#)

Timings

[N.A.](#)