

RANGELAND, PASTURELAND - INDIVIDUAL TREATMENTS

General Information

PRODUCT INFORMATION

Alligare Tebuthiuron 20 P is a surface applied, soil-active product intended for control of woody plants (trees, shrubs and vines). Treatments become effective after sufficient rainfall has occurred to move the active ingredient in Alligare Tebuthiuron 20 P into the root zone. Herbicidal symptoms appear more rapidly when applied just before seasonal rainfall. Treated trees and shrubs (brush) exhibit leaf chlorosis and browning followed by defoliation.

Woody plants may undergo several defoliation cycles, usually following significant rainfall before death occurs. Time required to achieve control of woody vegetation depends on susceptibility of target species, rainfall and soil conditions and may vary from a single growing season to several years. Increased application rates and additional time is required to achieve consistent woody plant control under the following conditions: 1) the treated area contains deep, medium-to-fine textured, or high organic matter soils; 2) the target species are deep-rooted; or 3) the vegetation consists of species tolerant to Alligare Tebuthiuron 20 P.

For best brush control results with Alligare Tebuthiuron 20 P, do not disturb intact plants by practices such as wood cutting, chaining, or burning for two years after application. Resprouting is more likely to occur if plants are disturbed before complete woody plant control occurs.

Use Precautions and Restrictions

Alligare Tebuthiuron 20 P is intended for control of unwanted woody vegetation such as trees, shrubs and vines. Alligare Tebuthiuron 20 P will also control herbaceous broadleaf plants such as clover or lespedeza. Grasses in the area immediately adjacent to pellets may be temporarily damaged. Dormant season application is recommended to minimize herbicidal effects on grasses and other herbaceous plants. The herbicidal activity of Alligare Tebuthiuron 20 P in soil may prevent the growth of trees, shrubs and other broadleaf vegetation for several years after treatment.

Do not apply Alligare Tebuthiuron 20 P to interior ditchbanks (areas which slope toward the drainage). Do not apply to ditches used to transport irrigation to potable water.

Not for sale, distribution, or use in Nassau and Suffolk Counties in New York State
Use Restrictions in the State of Florida: In Broward, Collier, Dade, Hendry, Lee, Monroe, and Palm Beach Counties of Florida, Alligare Tebuthiuron 20 P may be applied only in accordance with supplemental labeling

Maximum Application Rate for Grazing or Haying: If the treated area is to be used for haying, do not apply more than 20 pounds per acre of Alligare Tebuthiuron 20 P. If treated area is to be used for grazing, do not apply more than 10 pounds per acre of Alligare Tebuthiuron 20 P in areas receiving 20 inches or less average annual rainfall, or more than 20 pounds per acre of Alligare Tebuthiuron 20 P in areas receiving more than 20 inches average annual rainfall. There are no grazing restrictions following application of Alligare Tebuthiuron 20 P at labeled rates.

Haying Restriction: Do not cut hay for livestock feed for one year after an Alligare Tebuthiuron 20 P application.

Effects on Herbaceous Vegetation: Alligare Tebuthiuron 20 P may injure or suppress certain herbaceous vegetation in the treated area. Therefore, do not apply where such injury cannot be tolerated. Injury to most herbaceous perennial plants is reduced if Alligare Tebuthiuron 20 P is applied when this vegetation is dormant.

Do not apply Alligare Tebuthiuron 20 P more than once per year.

Safe use of Alligare Tebuthiuron 20 P requires the following guidelines to be carefully followed:

Treatment Setback: Do not apply Alligare Tebuthiuron 20 P in the vicinity of desirable plants. Exposure of even a small part of a plant root system to Alligare Tebuthiuron 20 P may cause severe plant injury or death. Plant roots usually occupy an area much larger than the aerial portion of the plant. Treatment setback distance should be 1 to 2 times the height or width of adjacent non-target vegetation, whichever is greater. For example, if adjacent non-target vegetation is 25 feet tall, the treatment setback should be 50 feet.

An Arboriculturist (tree expert) should be consulted to help you to determine if there is a question about the appropriate setback distance or if the area of proposed application is free of all roots of desirable vegetation.

Potential Product Movement: Alligare Tebuthiuron 20 P or soil containing Alligare Tebuthiuron 20 P may be moved from treated areas by flowing water, wind, or mechanical means. Do not apply Alligare Tebuthiuron 20 P in areas where overland flow of water might move Alligare Tebuthiuron 20 P or soil containing Alligare Tebuthiuron 20 P from the treated area. Do not apply where wind erosion may cause movement of soil containing Alligare Tebuthiuron 20 P from the treated area unless the surface has been stabilized with a gravel mulch or some other means. Do not apply in areas where soil may be redistributed by mechanical means to non-treated areas.

Frequency of Application and Maximum Use Rates

Broadcast Applications (Aerial or Ground Equipment):

- The maximum use rate and frequency of application is 1 to 2 lb a.i./acre once every three years for vulnerable sites where soils are sandy and depth to water table is shallow. (Refer to Environmental Hazards section under "Use Restrictions for Ground Water Protection".)

- For all other areas, the maximum use rate and frequency of application is up to 4 lb. a.i./acre once every three years, and no more than two treatments totaling 6 lb a.i./acre in any 6 year period.

Spot treatments (Hand Application or Hand-held Equipment): May be applied at

rates up to 6 lb a.i./acre when needed.

Factors in Herbicidal Response

Soil Texture, Soil Depth, and Organic Matter: Poor control or erratic results are likely to occur when Alligare Tebuthiuron 20 P is applied to soils containing more than 5% organic matter or more than 30% clay. Do not apply to “blackland” or other heavy clay soils which crack extensively upon drying. Other deep, medium, and fine-textured soils supporting deep-rooted woody plant species require higher application rates within rate ranges for consistent control. Woody plants growing in shallow, coarse, or rocky soils with low organic matter are normally more susceptible due to increased soil availability of the herbicide and shallow rooting depth. Application rates at the low end of the rate range may be used under these conditions.

Woody Plant Size and Density: The height and density of woody vegetation is a reliable indicator of soil conditions. Woody vegetation is generally taller and denser where soils are deep and/or of medium to fine texture and where soil moisture conditions are more favorable. Higher rates in the rate range are required on such sites. Woody vegetation will be smaller and less dense on sites with coarse, shallow, or rocky soils with less favorable soil moisture conditions. Lower rates in the rate range may be used on such sites. Where a high level of woody plant control is required and application rates cannot be adjusted for changes in soils, plant size, or density, apply Alligare Tebuthiuron 20 P at a rate sufficient to control the tallest and most dense woody vegetation in the treatment area.

Application Timing: Alligare Tebuthiuron 20 P may be applied anytime except when the soil is frozen or is saturated with moisture. For optimum results, applications should be made prior to the resumption of active seasonal growth in the spring or before expected seasonal rainfall. In areas receiving greater than 25 inches of annual rainfall, late summer and fall applications may require a higher application rate in the indicated rate range to achieve consistent control.

Alligare Tebuthiuron 20 P is recommended for control of brush regrowth after dozing or shredding, provided the regrowth has reached an average height of five feet or more prior to application. Alligare Tebuthiuron 20 P works best when there is an abundance of active leaf area to stimulate water and herbicide during the season following application. Taller regrowth will tend to respond with faster and

more consistent brush control.

Alligare Tebuthiuron 20 P may cause temporary herbicidal symptoms to appear on perennial grasses. Dormant season application is recommended to minimize herbicidal effects on desirable forage grasses.

Effect of Shallow Groundwater on Woody Plant Control: Do not apply Alligare Tebuthiuron 20 P to areas where the water table is predominantly shallow (5 feet or less), such as marshy or sub-irrigated areas, or areas immediately adjacent to streams or lakes which are periodically flooded. On such sites, where roots extend directly to a shallow water table, woody plants are minimally affected by applications of tebuthiuron and poor control will result.

Do not apply this product through any type of irrigation system.

Not for residential use.

Limitations, Restrictions, and Exceptions

RANGELAND, PASTURELAND

Individual Plant Treatments

Individual plants, multistem clumps, or small stands of woody vegetation may be hand treated. For individual plant treatments, apply Alligare Tebuthiuron 20 P evenly over the area occupied by the target plant(s).

Pasture and Rangeland:

- In areas receiving 20 inches or less average annual rainfall: Apply Alligare Tebuthiuron 20 P at a rate of $\frac{3}{8}$ oz. per 100 sq. ft. (equivalent broadcast rate = 10 pounds per acre)

- In areas receiving more than 20 inches average annual rainfall: Apply Alligare Tebuthiuron 20 P at a rate of $\frac{3}{4}$ oz. per 100 sq. ft. (equivalent broadcast rate = 20 pounds per acre).

Broadcast Treatments

Alligare Tebuthiuron 20 P must be applied with ground or aerial application equipment capable of accurate calibration and able to provide a uniform distribution

of pellets on the soil surface. Use of equipment not capable of confining the spread of pellets to the target area may result in injury or death of vegetation outside the intended treatment area. Contact an Alligare sales representative for recommendations on application equipment or different use situations.

Alligare Tebuthiuron 20 P may be applied by ground or air broadcast by/or under the supervision of U.S. Government Agencies.

Broadcast Application Rates

Pasture and Rangeland: Do not apply more than 10 pounds per acre Alligare Tebuthiuron 20 P in areas receiving 20 inches or less average annual rainfall. Do not apply more than 20 pounds per acre in areas receiving 20 inches or more average annual rainfall.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

[field rates 1](#)

-

Timings

[Preemergence \(Weed\)](#)

[Postemergence \(Weed\)](#)