PM-25

Reg # 62719-122

T1H / Spike 40P / Amendment / 01-16-96

(Base label):

ACCEPTED In EPA Letter Dated

(logo) DowElanco

FEB 20 1996

Inder the Federal Issu d for the pe

Spike* 40P

Vegetation Management

A surface applied herbicide for woody plant control in such areas as:

(tree graphic)

- Along highways

Pastureland

Fence rows

Pipelines

Firebreaks

Railroad rights-of-way

Industrial sites

Rangeland

Utility rights-of-way

C'earings for wildlife habitat

Other noncropland areas for control of woody plant species

Carefully read the entire label, including all use precautions, before applying to avoid inappropriate use of this product.

PIC-1(tree graphic)

Active Ingredient:

tebuthiuron: A-[5-(1,1-dimethylethyl)-

1,3,4-thiadiazoi-2-yl]-

Inert Ingredients......60.0% Total......100.0%

Contains 0.4 pound active ingredient per pound of product.

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Causes Eye Irritation - Harmful If Swallowed, Inhaled, Or Absorbed Through The Skin-Harmful if swallowed, inhaled, or absorbed through skin, Causes moderate eye irritation.

Avoid breathing dust and contact with eyes, skin, or clothing. Eye protection, long-size ed shirt, long pants, shoes and socks, and waterproof gloves must be worn when handling or applying this product. Wash thoroughly with scap and water after handling. Remove contaminated clothing and wash before

Avoid contact with skin, eye and/or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse

First Aid

If in eyes: Flush eyes with plenty of water. Call a physician if initation develops.

If ewallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering 1 to 2 teaspoons of syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove individual to fresh air. If breathing difficulty occurs, get medical attention. If not breathing, provide pardiopulmonary resuscitation assistance (mouth to mouth) and get medical attention. If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If swallowed: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with pienty of soap and water. Get medical attention.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Environmental Hazards

Do not apply Spike* 40P herbicide near desirable trees or other woody species. Exposure of even & small part of a plant root system to Spike 40P may cause severe plant injury or death. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Spills: To prevent unintended damage to nontarget vegetation carefully collect and dispose of spilled pellets, whether in storage areas, vehicles or on the soil surface. (See General Information section for remedial action after accidental application or spill.) In outdoor areas, do not cover with soil or incorporate spilled material into the soil surface.

Ground Water Advisory: This product is known to leach through soil into ground water under certain conditions as a result of registered (rangeland and non-crop) uses. Use of this product in areas where soils have rapid to very rapid permeability, particularly where the water table is shallow, may result in ground water contamination.

Use Restrictions for Groundwater Protection

Vulnegable Sites: To minimize any movement of tebuthiuron to subsurface water, do not exceed the application rates specified below on treatment sites where soils have a sand or loamy sand texture throughout the soil profile and all of the following characteristics:

- 1. Rapid to very rapid permeability.
- 2. Absence of well-defined organic layers or a textural B-horizon (restricting layer of fine-textured soil).
- 3. The water table of an underlying aquifer is shallow.

The maximum use rates for Spike 40P in areas described above are:

- Less than 20 inches annual precipitation: Do not apply more than 2.5 lb/acre Spike 40P.
- Greater than 20 inches annual precipitation: Do not apply more than 5 lb/acre Spike 40P.

Refer to the "Woody Plants Controlled" section of this label for plant species controlled at these application rates.

The aquifer is defined as "an underground, saturated, permeable, geologic formation capable of producing significant quantities of water to a well or spring. It is the ability of the saturated zone, or portion of that zone, to yield water which makes it an aquifer (American Chemical Society, 1983). Local agricultural agencies can provide further information on the type of soil in your area and the location of shallow ground water aquifers.

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Do not apply Spike 40P in areas where the water table is predominately shallow (5 feet or less), such as marshy or sub-irrigated areas, or areas immediately adjacent to streams or lakes which are periodically flooded, maless such use is allowed under a state-approved pesticide management program. Note: Also on such areas, woody plants rooted directly in a shallow water table are minimally affected by applications of tebuthiuron and poor woody plant control will result.

Do not apply Spike 40P where bedrock is continuously exposed or in areas of bedrock overlain by soils that are shallow or discontinuous.

Do not apply Spike 40P in areas adjacent to sinkholes or depressions tacking external drainage which occur within areas of karst topography.

Do not apply Spike 40P to high shrink/swell soils (vertisols) which develop deep cracks upon drying.

Do not apply Spike 40P within areas identified by state or local authorities as protected groundwater recharge zones.

Refer to label booklet for additional precautionary information and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-836-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Not For Residential Use

EPA Reg. No. 62719-122

EPA Est. 39578-TX-1

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DowElanco • Indianapolis, IN 46268 U.S.A.

Specialty Herbicide

Net Contents XXX

(Datapack cover):

(logo) DowElanco

Spike* 40P

Vegetation Management

A surface applied herbicide for woody plant control in such areas as:

Along highways

Pastureland

• Fence rows

Pipelines

Firebreaks

Railroad rights-of-way

Industrial sites

Rangeland

Utility rights-of-way

- · Clearings for wildlife habitat
- Other noncropland areas for control of woody plant species

Carefully read the entire label, including all use precautions, before applying to avoid inappropriate use of this product.

Active Ingredient:

tebuthiuron: N-{5-(1,1-dimethylethyl)-

1,3,4-thiadiazol-2-yl]-

 N,N'-dimethylurea
 40.0%

 Inert Ingredients
 60.0%

 Total
 100.0%

Contains 0.4 pound active ingredient per pound of product.

Keep Out of Reach of Children

CAUTION

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(tree graphic)

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Specialty Herbicide

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(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals

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Causes Eye Irritation - Harmful If Swallowed, Inhaled, Or Absorbed Through The Skin-Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation.

Avoid breathing dust and contact with eyes, skin, or clothing. Eye protection, long-sleeved shirt, long pants, shoes and socks, and waterproof gloves must be worn when handling or applying this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Avoid contact with skin, eye and/or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse

First Aid

If in eyes: Flush eyes with plenty of water. Call a physician if irritation develops.

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce verniting by touching back of throat with finger, or, if available, by administering 1 to 2 teaspoons of syrup of ipecac. Do not induce verniting or give anything by mouth to an unconscious person.

If inhaled: Remove individual to fresh air. If breathing difficulty occurs, get medical attention. If not breathing, provide cardiopulmonary resuscitation assistance (mouth to mouth) and get medical attention.

If on skin: Wash with plenty of seap and water. Get medical attention if irritation develops.

if swallowed: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Environmental Hazards

Do not apply Spike* 40P herbicide near desirable trees or other woody species. Exposure of even a small part of a plant root system to Spike 40P may cause severe plant injury or death. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Spills: To prevent unintended damage to nontarget vegetation carefully collect and dispose of spilled pellets, whether in storage areas, vehicles or on the soil surface. (See General Information section for remedial action after accidental application or spill.) In outdoor areas, do not cover with soil or incorporate spilled material into the soil surface.

Ground Water Advisory: This product is known to leach through soil into ground water under certain conditions as a result of registered (rangeland and non-crop) uses. Use of this product in areas where soils have rapid to very rapid permeability, particularly where the water table is shallow, may result in ground water contamination.

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Use Restrictions for Groundwater Protection

Vulnerable Sites: To minimize any movement of tebuthiuron to subsurface water, do not exceed the application rates specified below on treatment sites where soils have a sand or loamy sand texture throughout the soil profile and all of the following characteristics:

- 1. Rapid to very rapid permeability.
- 2. Absence of well-defined organic layers or a textural B-horizon (restricting layer of fine-textured soil).
- 3. The water table of an underlying aquifer is shallow.

The maximum use rates for Spike 40P in areas described above are:

- Less than 20 inches annual precipitation: Do not apply more than 2.5 lb/acre Spike 40P.
- Greater than 20 inches annual precipitation: Do not apply more than 5 lb/acre Spike 40P.

Refer to the "Woody Plants Controlled" section of this label for plant species controlled at these application rates.

[†]An aquifer is defined as "an underground, saturated, permeable, geologic formation capable of producing significant quantities of water to a well or spring. It is the ability of the saturated zone, or portion of that zone, to yield water which makes it an aquifer (American Chemical Society, 1983). Local agricultural agencies can provide further information on the type of soil in your area and the location of shallow ground water aquifers.

Do not apply Spike 40P in areas where the water table is predominately stallow (5 feet or less), such as marshy or sub-irrigated areas, or areas immediately adjacent to streams or lakes which are periodically flooded, unless such use is allowed under a state-approved pesticide management program. Note: Also on such areas, woody plants rooted directly in a shallow water table are minimally affected by applications of tebuthiuron and poor woody plant control will result.

Do not apply Spike 40P where bedrock is continuously exposed or in areas of bedrock overlain by soils that are shallow or discontinuous.

Do not apply Spike 40P in areas adjacent to sinkholes or depressions tacking external drainage which occur within areas of karst topography.

Do not apply Spike 40P to high shrink/swell soils (vertisols) which develop deep cracks upon drying.

Do not apply Spike 40P within areas identified by state or local authorities as protected groundwater recharge zones.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal

Storage: The herbicidal properties of Spike 40P require caution in handling, storage, and transportation of this product. Store in original container only. In case of leak or spill, contain material and dispose as waste.

Pesticide Disposal: Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. Do not reuse. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Information

Spike 40P herbicide is a surface applied soil-active product for control of woody plants (trees, shrubs and vines). Treatments become effective after sufficient rainfall has occurred to move the active ingredient in Spike 40P into the root zone. Herbicidal symptoms appear most rapidly when applied just before seasonal rainfall. Treated trees and shrubs (brush) exhibit leaf chlorosis and browning followed by defoliation. Woody plants may go through several defoliation cycles before death occurs. Time required to achieve control of woody vegetation may vary from 1 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 Spike 40P.

For best brush control results, do not disturb intact treated plants by such practices as wood cutting, chaining, or burning for 2 years after application of Spike 40P. Resprouting is more likely to occur if plants are disturbed before complete woody plant control occurs.

General Use Precautions

Spike 40P is intended for control of unwanted woody vegetation such as trees, shrubs, and vines. Spike 40P 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 Spike 40P in soil may prevent the growth of trees, shrubs, and other broadleaf vegetation for several years after treatment.

Do not apply Spike 40P to interior ditch banks (areas which slope toward the drainage). Do not apply to ditches used to transport imigation water or potable water.

Use Restrictions in the State of Florida

In Broward, Collier, Dade, Hendry, Lee, Monroe, and Palm Beach Counties of Florida, Spike 40P may be applied only in accordance with supplemental labeling.

Maximum Application Rate for Grazing or Haying: If treated area is to be used for haying or grazing, do not apply more than 10 pounds per acre of Spike 40P. If treated area is to be used for grazing or haying, do not apply more than 5 pounds per acre of Spike 40P in areas receiving 20 inches or less average annual rainfall, or more than 10 pounds per acre of Spike 40P in areas receiving more than 20 inches average annual rainfall.

Haying restriction: Do not cut hay for livestock feed for 1 year after a Spike 40P treatment.

Effects on Herbaceous Vegetation: Spike 40P 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 Spike 40P is applied when vegetation is dormant.

Do not apply Spike 40P more than once per year.

Safe use of Spike 40P requires the following guidelines to be carefully followed:

Treatment Setback: Do not apply Spike 40P in the vicinity of desirable plants. Exposure of even a small part of a plant root system to Spike 40P may cause severe plant injury or death.

Note: 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 nontarget vegetation, whichever is greater. For example, if adjacent nontarget vegetation is 25 feet tall, the treatment setback should be 25 to 50 feet.

If there is a question about appropriate setback distance, contact an Arborculturist (tree expert) to determine if the proposed treatment area is free of roots of desirable vegetation.

Potential Product Movement: Spike 40P or soil containing Spike 40P may be moved from treated areas by flowing water, wind, or mechanical means. Do not apply Spike 40P in areas where overland flow of water might move Spike 40P or soil containing Spike 40P from the treated area. Do not apply where wind erosion may cause movement of soil containing Spike 40P 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 nontreated areas.

Cleaning of Equipment: Thoroughly clean all traces of Spike 40P from application equipment after use. Do not empty residues cleaned from application equipment on areas where contact with roots of desirable vegetation may occur.

Remedial Action After Accidental Application or Spill: Take action to minimize the effects of an accidental application or spill immediately. Once rainfall has moved Spike 40P into the plant root zone, the effect on woody plants is irreversible. Damage from accidental application or spill may be prevented only if soil containing Spike 40P is carefully removed before rainfall has moved Spike 40P into the root zone. Apply a waterproof covering to the affected area until cleanup is accomplished. Carefully collect Spike 40P pellets and/or soil containing Spike 40P with appropriate equipment and dispose at an approved landfill site. If rainfall has occurred, remove surface soil in the affected area to the depth of Spike 40P penetration.

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 3 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 3 years and no more than 2 treatments totaling of 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 Spike 40P 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 increased application rates for consistent control. The susceptibility of woody plants occurring on shallow, coarse, or rocky soils with low organic matter is normally increased due to increased soil availability of Spike 40P and shallow rooting depth. Therefore, use application rates at the low end of the rate range in these situations.

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 more dense where soils are deeper 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. On sites with coarse, shallow, or rocky conditions with less favorable soil moisture conditions, woody vegetation will be smaller and less dense. Lower rates in the rate range are required for control 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 Spike 40P at a rate sufficient to control the tallest and most dense woody vegetation in the treatment area.

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Application Timing

Spike 40P 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.

Spike 40P is recommended for control of brush regrowth after dozing or shredding, provided the regrowth has reached an average height of 5 feet or more prior to application. Spike 40P works best when there is an abundance of active leaf area to stimulate water and herbicide uptake during the season following application. Taller regrowth will tend to provide faster and more consistent brush control.

Spike 40P 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 Spike 40P to areas where the water table is predominately shallow (5 feet or less), such as marshy or subirrigated 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.

Rangeland and Pasture Management Information

There are no label restrictions which require livestock grazing to be delayed following an application of Spike 40P. Spike 40P is a pelleted formulation and does not adhere to plants. Therefore, significant plant residues do not occur as a result of application. However, at the time of application, forage species may be sparsely distributed and in a low state of vigor due to competition from woody plants. Under such circumstances, the density and vigor of forage species may be enhanced by deferment of grazing following application of Spike 40P.

Grazing Management

For optimum parennial forage grass response, desirable species should be present in the area to be treated at a minimum of 10% of normal plant density (density = plants per unit area) compared to similar rangeland or pasture sites not dominated by woody plants. To encourage forage grass response, grazing should be deferred during the entire active growing season following application. Poor vegetative vigor or inadequate rainfall, may necessitate additional grazing deferment during periods of active forage growth. Light grazing of mature forage after seed maturity will not harm grass recovery and can aid in seed dispersal. Forage grass production usually increases as woody plant competition for water and nutrients is reduced. However, increased forage production is also dependent on adequate rainfall and a sound grazing management program.

Precaution: The density of cool season grass stands such as fescue and crested wheatgrass may be reduced after application of Spike 40P. Factors which may contribute to the possibility of stand reduction include excessive application rates, areas of shallow or rocky soil, and low brush density.

Rangeland and Pasture Overseeding: Apply Spike 40P at recommended rates. Overseeding involving burning or chaining of treated brush should not be attempted for at least 2 growing seasons after application. Apply seed and fertilizer at recommended rates into ash as soon as possible after burning or just prior to chaining. Cool season grasses are normally seeded in early fall and warm season grasses in the spring after the expected frost-free date. Aerial seeding without burning or chaining may be attempted in the fall or spring following an application of Spike 40P, but natural seedbed conditions must be relied upon for seedling establishment. Consult local range management specialists for recommendations on locally adapted species, seeding time, and grazing management.

Application of Spike 40P

Individual Plant Treatments

Individual plants, multistem clumps, or small stands of woody vegetation may be hand treated. For individual plant treatments apply Spike 40P evenly over the area occupied by the target plant(s).

Pasture and Rangeland

- In areas receiving 20 inches or less average annual rainfall: Apply Spike 40P at a rate of 3/8 oz per 200 sq ft (equivalent broadcast rate = 5 lb/acre).
- In areas receiving more than 20 inches average annual rainfall: Apply Spike 40P at a rate of 3/4 oz per 200 sq ft (equivalent broadcast rate = 10 lb/acre).

Noncropland

Apply Spike 40P at a rate of 3/8 oz to 1 1/8 oz per 200 sq ft (equivalent broadcast rate = 5 to 15 lb/acre).

Broadcast Treatments

Spike 40P 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 a DowElanco sales representative for recommendations on application equipment for different use situations.

Spike 40P 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 5 pounds per acre Spike 40P in areas receiving 20 inches or less average annual rainfall. Do not apply more than 10 pounds per acre in areas receiving 20 inches or more average annual rainfall.

Noncropland: Do not apply more than 10 pounds per acre of Spike 40P on noncropland.

Note: Refer to General Information section for limitations on maximum use rates, frequency of application, and total application rates allowed during a given period of time. Refer to Environmental Hazards section under "Use Restrictions for Ground Water Protection" for other rate limitations on "vulnerable" sites.

Woody Plants Controlled by Spike 40P

Rangeland, Pastureland, and Noncropland:

Apply Spike 40P at 5 to 10 lb per acre on the following woody plant species:

Note: On rangeland or pastureland sites with shallow, rocky, and coarse textured soils with low organic matter content, or where partial control is desired, a lower rate in the indicated rate range may be appropriate (See "Factors in Herbicidal Response" in the "General Information" section of this label.)

Common Name Scientific Name acacia, blackbrush Acacia rigidula acacia, catclaw Acacia greggii acacia, twisted Acacia tortuosa apple-of-sodom Solanum sodomeum birch, gray Betula populifolia blueberry Vaccinium spp. bluewood (Brazil) Condalia obovata

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buckbrush

chemy, bitter dogwood, roughleaf elm, American elm, winged guajillo guava hackberry, spiny

(granjeno) hackberry, western hawthorn

huckleberry koa haole locust, black manzanita mulberry, red oak, bigelow oak, black

oak, black
oak, blackjack
oak, blue
oak, bur
oak, mohr
oak, post
oak, running live
oak, shrub live
oak, sand shinnery

oak, southern red oak, white rose, multiflora sage, black sumac, dwarf sumac, littleleaf sumac, skunkbush sumac, smooth sumac, staghom

whitebrush wolfberry, Berlandier yaupon

thomapple, desert

yaupon, desert

Symphoricarpos
orbiculatus
Prunus emarginata
Cornus drummondii
Ulmus americana
Ulmus alata
Acacia berlanderi
Psidium guajava
Cetils pallida

Cettis occidentalis Crataegus spp. Gaylussacia spp.

Leucaena leucocephalia Robinia pseudoacacia Arctostaphylos spp. Morus rubra

Quercus durandi Quercus velutina Quercus marilandica Quercus douglasii Quercus macrocarpa Quercus mohriana Quercus stellata Quercus virginiana Quercus turbinella Quercus havardii Quercus falcata Quercus alba Rosa multificia Salvia melifera Rhus copallina Rhus microphylla Rhus trilobata Rhus glabra Rhus typhina Datura discolor Aloysia lycoides Lycium berlanderi

Schaefferia cuneifolia

llex vomitoria

Note: Use a higher dosage in indicated rate range on all sites.

Apply Spike 40P at 10 lb per acre on the following woody plant species:

Common Name alder, red alder, speckled[†] aspen, bigtooth beech, American

beech, Ame blackberry boxelder chamise

cherry, black chokecherry, common

Scientific Name *Alnus rubra Alnus rugosa*

Populus grandidentata Fagus grandifolia Rubus spp. Acer negundo Adenostoma fasciculatum

Prunus serotina Prunus virginiana

colubrina, Texas cottonwood, eastern[†] creeper. Virginia quinquefdia

dogweed, flowering

douglasfir fir, balsam[†] guayacan hardhack hickory, bitternut hickory, black hickory, pignut hickory, shagbark huisachet

kidneywood, Texas kudzu leatherstem lotebust (condalia) maple, bigleaf maple, sugar[†] melaleuca

Colubrina texensis Populus deltoides **Parthenocissus**

Cornus florida

Pseudotsuga menziesii

Abies balsamea Portieria angustifolia Spiraea tomentosa Carava cordiformis Caraya texana Caraya glabra Caraya ovata Acacia farnesiana Eysenhardtia texana Pueraria lobata Jatropha dioica Ziziphus obtusifolia Acer macrophyllum Acer seccharum Melaleuca

quinquenervia

mountainmahogany, birchleaf Cercocarpus betuloides

oak, California scrub Quercus dumosa oak, live Quercus virginiana oak, pin Quercus palustrus oak, red Quercus rubra oak, white Quercus alba pine, Australian Casuarina spp.

pine[†] Pinus spp. Populus balsamifera poplar, balsam[†]

raspberry, black Rubus occidentalis rose, McCartney† Rosa bracteata Picea glauca spruce, white[†]

sweetgum Liquidambar styraciflua

tamarack† Larix laricina trumpetcreeper Campsis radicans

Salix spp. willow

TNote: Use a higher dosage in indicated rate range on all sites.

(hadividual Plant Treatment Only):

maple, Norway

Common Name Scientific Name Fraxinus pennsylvanica ash, green Fraxinus americana ash, white blackberry, cutleaf Rubus laciniatus ceanothus, wedgeleaf Ceanothus cuneatus chaparral, whitethorn Ceanothus leucodermis coyotebush Baccharis pilularis elm, Chinese Ulmus parvifolia elm, slippery Ulmus rubra greenbriar, roundleaf Smllax rotundifolia hawthorn, cockspur Crataegus crus-calli lantana Lantana camara manzanita, greenleaf Arctostaphylos patula

Acer platanoides

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maple, silver maple, vine

peppertree, Brazilian

privet

redcedar, eastern Russianolive

salat

sumac, laurel

sycamore, American tallowtree, Chinese

tuliptree

Acer saccharinum
Acer circinatum
Schinus terebinthifolius

Ligustrum spp.

Juniperus virginiana Eleagnus angustifolia Gaultheria shallon

Rhus laurina

Platanus occidentalis Sapium sebiferum Liriodendron tulipifera

Warranty Disclaimer

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- 1. Refund of purchase price paid by buyer or user for product bought, or
- 2. Replacement of amount of product used

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