PM25 62719-122

DEC 7 1993

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Dr. Merlyn L. Jones DowElanco 9002 Purdue Rd. P.O. Box 681428 Indianapolis, IN 46268

Dear Dr. Jones:

Subject: Final Printed Labels DowElanco Spike 40P Herbicide EPA Reg. No. 62719-122 Your submission dated June 15, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable and a stamped copy is enclosed for your records.

At the next printing of the label, or within 6 months, whichever comes first, please revise as follows:

- Under the directions for use in ditchbanks, add "Do not apply to ditches used to transport irragation or potable water".
- 2. Under the grazing restrictions, add the additional statement, "If treated area is to be used for haying or grazing, do not apply more than 10 pounds per acre of Spike 40P".

Sincerely yours,

Robert J. Taylor Product Manager 25 Fungicide-Herbicide Branch Registration Division (H7505C).

BEST AVA!! COME COPY

Enclosure

Product Data Sheet

Spike 40P 62719-122

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Registrant:

DowElanco 9002 Purdue Rd. Quad IV Indianapolis, IN 46268

EPA Approval 02/08/93

Revisions include:

1) Addition of a "Groundwater Protection" statement to "Environmental Hazards" section.

2) Deleted use on the interior portions of ditchbanks.

3) Added Australian pine (Casuarina spp.) to "Woody Plants Controlled" section.

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[Literature Booklet -- Spike 40P] [Front Cover of Booklet]

[This copy revised per EPA copy of 2/8/93] [This booklet supersedes 900-001578]

(logo) DowElanco

Spike* 40P

Vegetation Management

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

- Along highways Pastureland Fence rows
 - Pipelines
 - Railroad rights-of-way
- Firebreaks Industrial sites

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- · Rangeland · Utility rights-of-way
- Other noncropland areas for control of woody plant species
- Clearings for wildlife habitat

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

EPA Reg. No. 62719-122 20127

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(EDITOR NOTE: insert graphic of tree in circle with slash through it. Copy below the tree is: Spike* 40P will kill trees and shrubs. Carefully read the precautions before using.)

*Trademark of DowElanco DowElanco · Indianapolis, IN 46268, U.S.A.

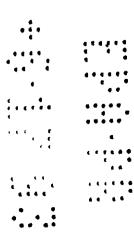
Specialty Herbicide

COMPLEXITS in EPA Letter Detok

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Under the Federal Incoticide, Fungicide, and Researchede Act as amended, for the peeticide registered under Blot Reg. No.

62719-121122



Page 2

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[Page 2 of Booklet]

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% 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 PRECAUCION:

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Causes Eye Irritation · Harmful If Swallowed, Inhaled Or Absorbed Through The Skin

Avoid breathing dust and contact with eyes, skin or clothing. Use eye protection and protective clothing such as coveralis, a long-sleeved shirt and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

First Aid

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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 one or two glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering one to two 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 cardiopulmonary 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.

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 by cleaning equipment, disposing of equipment washwaters, or disposing of wastes.

Groundwater Protection: 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-texturered soil).
- 3. The water table of an underlying aquifer is shallow.

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 is 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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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.

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.

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.

Special 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.

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

Treatment Setback:

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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 non-treated areas.

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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 soll 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.

General Information

Spike 40P is a surface applied soil-active herbicide 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 one 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 deeprooted; 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 two 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

Do not apply Spike 40P to interior ditch banks (areas which slope toward the drainage).

- Maximum Application Rate for Grazing or Haying. 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 one 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.

Factors in Herbicidal Response

Soll Texture, Soli 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 creck 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 ocurring 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 soll conditions. Woody vegetation is generally taller and more dense where soils are deeper and/or of medium to fine texture and where soil

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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.

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 five 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.

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 to plants. Therefore, significant plant residues do not occur as a result of application. However, at the time of application forage species may be sparcely 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

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For optimum perennial 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 grcwth. 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 two growing seastifs 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 seasons 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 the 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 ib/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

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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

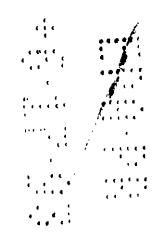
Spike 40P must be applied with ground or aerial application equipment capable of accurate calibration and able to provide a uniform distribution of pellets on the soil surface. Use of equipment not capable of confining the spread of pellets to the target area may result in injury or death of vegetation 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

Noncropland: Spike 40P may be applied at up to 15 pounds per acre on noncropland.

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.



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 acacia, blackbrush acacia. catclaw acacia, twisted alder, speckled[†] apple-of-sodom birch, gray blueberry bluewood (Brazil) buckbrush cherry, bitter cottonwood, eastern^T dogwood, roughleaf elm, American elm, winged fir, balsam[†] guajillo guava hackberry, spiny (granjeno) hackberry, western hardhack[†] hawthorn huckleberry huisache[†] koa haole locust, black manzanita maple, sugar^T mulberry, red oak, bigelow 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 pine[†] poplar, balsam[†] rose. McCartnev[†] rose, multiflora sage, black spruce, white[†]

Scientific Name Acacia rigidula Acacia greggii Acacia tortuosa Alnus rugosa Solanum sodomeum Betula populifolia Vaccinium spp. Condalia obovata Symphoricarpos orbiculatus Prunus emarginata Populus deltoides Comus drummondii Ulmus americana Ulmus alata Abies balsamea Acacia berlanderi Psidium guajava Celtis pallida Celtis occidentalis Spiraea tomentosa Crataegus spp. Gaylussacia spp. Acacia farnesiana Leucaena leucocephalla Robinia pseudoacacia Arctostaphylos spp. Acer saccharum Morus rubra Quercus durandi Quercus velutina Quercus marilandica Quercus douglasii Quercus macrocarpa Quercus mohriana Quercus stellata Quercus virginiana Quercus turbinella Quercus havardii Quercus faicata Quercus alba Pinus spp. Populus balsamifera Rosa bracteata Rosa multifiora Salvia melifera Picea glauca

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sumac, dwarf Rhus copallina sumac, littleleaf Rhus microphylla Rhus trilobata sumac, skunkbush sumac, smooth Rhus glabra suimac, staghom Rhus typhina tamarack[†] Larix laricina thornapple, desert Datura discolor whitebrush Aloysia lycoides wolfberry, Berlandier Lycium berlanderi llex vomitoria yaupon Schaefferia cuneifolia yaupon, desert TNote: Use a higher dosage in indicated rate range on all sites.

Noncropland only: Apply Spike 40P at 10 to 15 lb per acre on the following woody plant species:

Common Name alder, red ash, green[†] aspen, bigtooth beech, American blackberry blackberry, cutleaf[†] boxelder chamise cherry, black chokecherry, common colubrina, Texas coyotebush[†] creeper, Virginia dogweed, flowering douglasfir guayacan hickory, bittemut hickory, black hickory, pignut hickory, shagbark huisache kidneywood, Texas kudzu lantana[†] leatherstem lotebust (condalia), maple, bigleaf maple, Norway† maple, silver[†] melaleuca[†] mountainmahogany, birchleaf oak, California scrub oak, live oak. pin oak. red oak, white peppertree, Brazilian[†] pine, Australian pine raspberry, black

Scientific Name Alnus rubra Fraxinus pennsylvanica Populus grandidentata Fagus grandifolia Rubus spp. Rubus laciniatus Acer negundo Adenostoma fasciculatum Prunus serotina Prunus virginiana Colubrina texensis Baccharis pilularis Parthenocissus quinquefolia Cornus florida Pseudotsuga menziesii Porlieria angustifolia Caraya cordiformis Caraya texana Caraya glabra Caraya ovata Acacia famasiana Eysenhardtia texana Pueraria lobata Lantana camara Jatropha dioica Ziziohus obtusifolia Acer macrophylium Acer platanoides Acer saccharinum Melaleuca quinquenervia Cercocarpus betuloides Quercus dumosa Quercus virginiana Quercus palustrus Quercus rubra Quercus alba Schinus terebinthilolius Casuarina spp. Pinus spp. Rubus occidentalis

Page 8

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salal[†]Gaultheria shallonsweetgumLiquidambar styracifluasycamore, American[†]Platanus occidentalistrumpetcreeperCampsis radicanstuliptree[†]Liriodendron tulipiferawillowSalix spp.†Note: Use a higher dosage in indicated rate range on all sites.

Noncropland only:

Apply Spike 40P at 15 lb per acre on the following woody plant species:

Common Name ash, white ceanothus, wedgeleaf chaparral, whitethorn elm, Chinese elm, slippery greenbriar, roundleaf hawthorn, cockspur manzanita, greenleaf maple, vine privet redcedar, eastern Russianolive sumac, laurel tallowtree, Chinese Scientific Name Fraxinus americana Ceanothus cuneatus Ceanothus leucodermis Ulmus parvifolia Ulmus rubra Smilax rotundifolia Crataegus crus-calli Arctostaphylos patula Acer circinatum Ligustrum spp. Juniperus virginiana Eleagnus angustifolia Rhus laurina Sapium sebiferum

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tomadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

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

DowElanco shall not be liable for losses or damages resulting from handling or use of this product interesting to be liable for DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the selleris.

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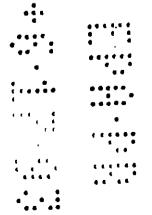
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authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

Copyright© 1993 DowElanco



[Bag - Spike 40P] [Front of Bag]

[This copy revised per EPA copy of 2/8/93] [This bag supersedes 900-001579]

(logo) DowElanco

Spike* 40P

Vegetation Management

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

- Along highways
 Pastureland
- Fence rows Pipelines

 Other noncropland areas for control of woody plant species

· Clearings for wildlife habitat

- · Railroad rights-of-way Firebreaks industrial sites
 - Rangeland
 - Utility rights-of-way

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

(EDITOR NOTE: insert graphic of tree in circle with slash through it. Copy below the tree is: Spike* 40P will kill trees and shrubs. Carefully read the precautions before using.)

Active Ingredient:

tebuthiuron: N-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yi]-N,N'-dimethylurea . 40.0% Inert Ingredients . 60.0% Total . 100%

Contains 0.4 pound active ingredient per pound of product.

Keep Out of Reach of Children

CAUTION

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Refer to back panel of bag for precautionary information and Directions for Use including STORAGE AND DISPOSAL.

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 517-636-4400.

Agricultural Chemical: Keep away from food, feedstuffs and water supplies. Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-122

EPA Est. 39578-TX-4

*Trademark of DowElanco DowElanco · Indianapolis, IN 46268, U.S.A.

Not For Residential Use

Specialty Herbicide

Net Weight 20 lb

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[Back of Bag]

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION PRECAUCION:

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Causes Eye irritation · Harmful If Swallowed, inhaled Or Absorbed Through The Skin

Avoid breathing dust and contact with eyes, skin or clothing. Use eye protection and protective clothing such as coveralis, a long-sleeved shirt and impermeable gloves when handling this product. 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 one or two glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering one to two 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 cardiopulmonary 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.

Environmental Hazards

Do not apply Spike 40P 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 by cleaning equipment, disposing of equipment washwaters, or disposing of wastes.

Groundwater Protection: 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 loarny 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-texturered soil).
- 3. The water table of an underlying aquifer is shallow.

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.

 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 40 Greater than 20 inches annual precipitation: Do not apply more than 5 lb/acre Spike 44 	
Refer to the "Woody Plants Controlled" section of this label for plant species controlled at these application rates.	•
Spills: To prevent unintended damage to nontarget vegetation, carefully collect and dispose of s pellets, whether in storage areas, vehicles or on the soil surface.	billed
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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 landlill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Refer to label booklet in pocket of bag for additional precautionary information, Special Use Precautions and Directions for Use.

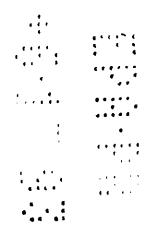
[EDITOR NOTE: Insert here a fat, squat arrow pointing down]

Directions Enclosed [ED!TOR NOTE: Turned at a 20° angle inside a box which has the top, right and bottom sides as bold dotted lines and the left side as a solid line]

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