

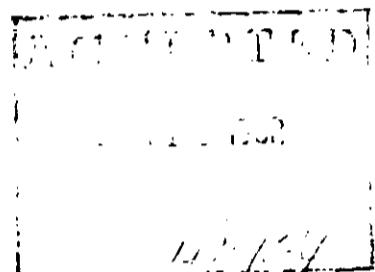
ELANCO

ID 5914

Herbicide

SPIKE[®]

40P



Net Weight 40 Pounds

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

Railroad rights-of-way
Utility rights-of-way
Industrial sites
Pipelines
Fence rows
Firebreaks
Ditchbanks
Along highways
Other noncropland areas for the control of woody plant species



Spike® will kill trees and shrubs
Carefully read the precautions
before using

The degree and duration of control may vary with the amount of chemical applied, soil texture, and other conditions.

Active Ingredient:

tebuthiuron: N-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea 40.0%

Inert Ingredients 60.0%

Contains 16 pounds active ingredient per 40 pound bag

SPIKE—the registered trademark for Elanco Products tebuthiuron

CAUTION: KEEP OUT OF REACH OF CHILDREN.
See back panel for additional caution statements.

Directions for Use

Read All Directions Carefully
Before Applying

Woody Species Controlled

Apply 2.5 pounds SPIKE 40P per acre to control the following species

<i>Amelanchier alnifolia</i> (Serviceberry)	<i>Ceanothus fendleri</i> (Ceanothus bush)	<i>Mimosa biuncifera</i> (Wait-a-minute-bush)
<i>Airyphylloides</i> (Whitebrush)	<i>Morus rubra</i> (Red mulberry)	<i>Rosa multiflora</i> (Muti-flora rose)
<i>Artemesia tridentata</i> (Big sagebrush)	<i>Pinus monticola</i> (Western white pine)	<i>Salvia leucophylla</i> (Whiteleaf sage)
<i>Carpinus caroliniana</i> (Pecan hickory)	<i>Pinus spp.</i> (Pine)	<i>Salvia mitchella</i> (Black sage)
<i>Celtis occidentalis</i> (Western hackberry)	<i>Prunus emarginata</i> (Bitter cherry)	<i>Symphoricarpos orbiculatus</i> (Buckbrush)
<i>Dulichia idahoensis</i> (Desert ironwood)	<i>Rhus glabra</i> (Smooth sumac)	<i>Umus americana</i> (American elm)
<i>Elaeagnus angustifolia</i> (Russian olive)	<i>Rubus pensylvanica</i> (Black huckleberry)	<i>Vaccinium or Gaylussacia spp.</i> (Huckleberry)

Apply 5 pounds SPIKE 40P per acre to control the following species

<i>Acer buchananii</i> (Balsam fir)	<i>Condalia coronaria</i> (Iceleaf condalia)	<i>Quercus douglasii</i> (Blue oak)
<i>Acer laevigatum</i> (Yellow birch)	<i>Taxodium distichum</i> (Yadkin)	<i>Quercus marilandica</i> (Blackjack oak)
<i>Artemesia tridentata</i> (Big sagebrush)	<i>Larix laricina</i> (Tamarack)	<i>Quercus stellata</i> (Post oak)
<i>Carpinus caroliniana</i> (Pecan hickory)	<i>Picea engelmanni</i> (White spruce)	<i>Salix spp.</i> (Willow)
<i>Celtis occidentalis</i> (Western hackberry)	<i>Populus tremuloides</i> (Aspen poplar)	<i>Schaefferia cuneifolia</i> (Desert yaupon)
<i>Dulichia idahoensis</i> (Desert ironwood)	<i>Populus tremuloides</i> (Western cottonwood)	<i>Spiraea tomentosa</i> (Hardhack)
<i>Elaeagnus angustifolia</i> (Russian olive)	<i>Quercus cerris</i> (Carrizo live oak)	<i>Ulmus alata</i> (Winged elm)

Apply 7.5 pounds SPIKE 40P per acre to control the following species

<i>Acer buchananii</i> (Balsam fir)	<i>Condalia coronaria</i> (Iceleaf condalia)	<i>Quercus douglasii</i> (Blue oak)
<i>Acer laevigatum</i> (Yellow birch)	<i>Taxodium distichum</i> (Yadkin)	<i>Quercus marilandica</i> (Blackjack oak)
<i>Artemesia tridentata</i> (Big sagebrush)	<i>Larix laricina</i> (Tamarack)	<i>Quercus stellata</i> (Post oak)
<i>Carpinus caroliniana</i> (Pecan hickory)	<i>Picea engelmanni</i> (White spruce)	<i>Salix spp.</i> (Willow)
<i>Celtis occidentalis</i> (Western hackberry)	<i>Populus tremuloides</i> (Aspen poplar)	<i>Schaefferia cuneifolia</i> (Desert yaupon)
<i>Dulichia idahoensis</i> (Desert ironwood)	<i>Populus tremuloides</i> (Western cottonwood)	<i>Spiraea tomentosa</i> (Hardhack)
<i>Elaeagnus angustifolia</i> (Russian olive)	<i>Quercus cerris</i> (Carrizo live oak)	<i>Ulmus alata</i> (Winged elm)

Apply 10 pounds SPIKE 40P per acre to control the following species

<i>Acer buchananii</i> (Guadalupe)	<i>Condalia decipiens</i> (Bittersweet cendeja)	<i>Pithecellobium angustifolium</i> (Guayacan)
<i>Aleurites moluccanus</i> (Castor oil)	<i>Citrus dumosa</i> (Bitterleaf dogwood)	<i>Prosopis juliflora</i> (Mesquite)
<i>Aleurites moluccanus</i> (Sugar maple)	<i>Croton spp.</i> (Bittersweet)	<i>Prunus virginiana</i> (Common chokeberry)
<i>Ailanthus altissima</i> (Tree of heaven)	<i>Eurycoma longifolia</i> (Kava wood)	<i>Pseudosassafras menziesii</i> (Douglas fir)
<i>Betula papyrifera</i> (Gray birch)	<i>Fagus grandifolia</i> (American beech)	<i>Pueraria lobata</i> (Kudzu)
<i>Carpinus caroliniana</i> (Black hickory)	<i>Garrya elliptica</i> (Garrya)	<i>Quercus dumosa</i> (California scrub oak)
<i>Celtis pallida</i> (Granjeno)	<i>Gevuina avellana</i> (Sweet almond)	<i>Quercus palustris</i> (Pin oak)
<i>Celtis pallida</i> (Lilac)	<i>Hippocratea sibthorpii</i> (Sweat almond)	<i>Quercus rubra</i> (Red oak)
<i>Celtis pallida</i> (Lilac)	<i>Maackia amurensis</i> (Silky bean)	<i>Quercus virginiana</i> (Live oak)
<i>Celtis pallida</i> (Lilac)	<i>Mitchella repens</i> (Creeping mayapple)	<i>Rhus typhina</i> (Staghorn sumac)
<i>Celtis pallida</i> (Lilac)	<i>Myrsinaceae</i> (Virginia creeper)	<i>Rubus allegheniensis</i> (Allegheny blackberry)
<i>Colubrina texensis</i> (Texas cedar)	<i>Populus tremuloides</i> (Birchleaf aspen)	<i>Salvia barbata</i> (Shrubby blue salvia)

Apply 12.5 pounds SPIKE 40P per acre to control the following species

<i>Acer macrophyllum</i> (Bigleaf maple)	<i>Juglans nigra</i> (Eastern red cedar)	<i>Pinus virginiana</i> (Virginia pine)
<i>Acer platanoides</i> (Norway maple)	<i>Liquidambar styraciflua</i> (Aromatic sweetgum)	<i>Platanus occidentalis</i> (American sycamore)
<i>Acer saccharinum</i> (Silver maple)	<i>Crataegus spp.</i> (Hawthorn)	<i>Prunus serotina</i> (Black cherry)
<i>Betula populifolia</i> (Ground cherry)	<i>Maackia amurensis</i> (Silky bean)	<i>Quercus alba</i> (White oak)
<i>Celtis laevigata</i> (Flowering dogwood)	<i>Prunus pensylvanica</i> (Bird cherry)	<i>Rubus hispida</i> (Evergreen blackberry)
<i>Fraxinus pennsylvanica</i> (Green ash)	<i>Prunus pensylvanica</i> (Bird cherry)	<i>Rubus occidentalis</i> (Black raspberry)
<i>Gaultheria shallon</i> (Salal)	<i>Prunus pensylvanica</i> (Bird cherry)	<i>Schinus terebinthifolius</i> (Brazilian pepper tree)

Apply 15 pounds SPIKE 40P per acre to control the following species

<i>Acer circinatum</i> (Vine maple)	<i>Crataegus coccinea</i> (Crickspine hawthorn)	<i>Prunus lusitanica</i> (Laurel sumac)
<i>Ambrosia artemisiifolia</i> (Great ragweed)	<i>Diospyros virginiana</i> (Common persimmon)	<i>Smilax rotundifolia</i> (Common greenbrier)
<i>Carpinus caroliniana</i> (White hickory)	<i>Fraxinus nigra</i> (Black ash)	<i>Ulmus parvifolia</i> (Chinese elm)
<i>Ceanothus fendleri</i> (Whistler chaparral)	<i>Fraxinus americana</i> (White ash)	<i>Ulmus rubra</i> (Slippery elm)

Species growing in deep profile fine textured soils or deeply rooted species may show erratic control at rates listed or require a higher rate for effective control.

GENERAL DIRECTIONS

Apply SPIKE 40P uniformly to the woody part of the plant or by individual plant treatment.

Application can be made anytime during the year except when the ground is frozen or saturated with water. Effects are slow to appear and will not become apparent until after sufficient moisture has caused the SPIKE 40P to penetrate the treated species. The treated redashachee will continue to penetrate into the soil over time. It is recommended to apply SPIKE 40P in the fall or early spring. If application is delayed, it is recommended to apply again in the fall or early spring.

Broadcast Application: SPIKE 40P may be applied onto property via a ground broadcast equipment. Ground equipment such as a pump tank sprayer, M-100 and 1600 pump sprayer, or

any other device designed to control the spread of SPIKE 40P to the target area may result in injury to certain desirable plant species.

Individual (Spot) Woody Plant Application

Apply SPIKE 40P around individual plants or plant clumps in the area to be treated. Use a sharp knife or a sharp blade to cut around the base of the plant. Do not damage the plant. Do not apply SPIKE 40P to the trunk of the plant. Do not apply SPIKE 40P to the canopy of the plant. Do not apply SPIKE 40P to the leaves of the plant. Do not apply SPIKE 40P to the flowers of the plant. Do not apply SPIKE 40P to the fruit of the plant. Do not apply SPIKE 40P to the roots of the plant. Do not apply SPIKE 40P to the bark of the plant. Do not apply SPIKE 40P to the stem of the plant. Do not apply SPIKE 40P to the trunk of the plant. Do not apply SPIKE 40P to the canopy of the plant. Do not apply SPIKE 40P to the leaves of the plant. Do not apply SPIKE 40P to the flowers of the plant. Do not apply SPIKE 40P to the fruit of the plant. Do not apply SPIKE 40P to the roots of the plant. Do not apply SPIKE 40P to the bark of the plant. Do not apply SPIKE 40P to the stem of the plant. 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PRECAUTIONS



SPIKE 40P is classified for woody plant control. It is an extremely active herbicide which kills trees, shrubs and other woody plants in desirable vegetation having roots extending into the treated area. Feeder roots of many species of desirable vegetation extend many feet beyond the drip line of the branches and a very small amount of SPIKE 40P in contact with these feeder roots (as stated above) or other desirable vegetation may cause serious injury or death to the entire plant. An arborist or tree expert should be consulted to help you determine the time and method of application if spread of roots of desirable vegetation is a concern. The effect of SPIKE 40P on desirable vegetation may be reversible and its presence in soil may prevent growth of other desirable vegetation for some years after application. Read the entire label before using SPIKE 40P to determine if this product is suitable for the desired purpose.

Do not use SPIKE 40P in areas such as walks, driveways, streets, lawns, patios, tennis courts, swimming pools, cemeteries or other landscaped areas or under asphalt or concrete pavement where future landscaping is planned. Do not apply on ornamental trees. Do not apply in any areas into which the roots of desirable vegetation may extend. Do not apply in locations where the chemical may be washed by runoff or sheet flow or in contact with roots of desirable vegetation as severe injury or death may occur. **ROOTS OF TREES, SHRUBS AND OTHER DESIRABLE VEGETATION MAY EXTEND FAR BEYOND THE DRIP LINE OF THE PLANT'S BRANCHES.**

Ditchbank Usage - Do not apply SPIKE 40P to any portion of the ditchbank that will come into direct contact with water as movement of SPIKE 40P in this water to non-target plant species may result in injury or death of those plants. Do not apply on ditches used to transport irrigation or potable water.

Keep from contact with pesticides and seeds

Thoroughly clean all traces of SPIKE 40P from application equipment after use. **DO NOT EMPTY RESIDUES CLEARED FROM APPLICATION EQUIPMENT IN AREAS WHERE THEY MAY COME IN CONTACT WITH THE ROOTS OF DESIRABLE VEGETATION OR THE WATER SOURCE FOR SUCH VEGETATION.**

HERBACEOUS PERENNIALS (NONWOODY PLANTS)

Do not allow domestic livestock to graze in treated areas.

Do not cut forage from treated areas for feeding livestock. SPIKE 40P may injure or suppress certain herbaceous vegetation in the treated area. Therefore, do not apply where such injury can not be tolerated. Injury to most herbaceous perennials is reduced if SPIKE 40P is applied when this vegetation is dormant.

CAUTION

Human: Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wear protective clothes when applying pellets to avoid woody parts by hand. In case of contact, wash with water.

Environmental: Do not contaminate any body of water, ponds or streams as death or injury may occur to vegetation irrigated by such. Do not contaminate water by cleaning of equipment or disposal of wastes.

Storage and Disposal: The herbicidal properties of SPIKE 40P require caution in handling, storage and transportation of this product. Do not contaminate soil or feed by storage or disposal. Open containers are prohibited. Do not reuse empty container. Discard empty nozzles or bags in accordance with local regulations or bury in a nondrip and area away from desirable plant's roots and water supply.

Limited Warranty

The manufacturer warrants that SPIKE 40P will not damage non-target plants when applied according to directions on the label. A claim for damages must be filed within one year of purchase. The manufacturer will not be liable for damages resulting from misuse of the product. The manufacturer is not liable for damages resulting from application of SPIKE 40P to areas where it is not intended to be used. The manufacturer is not liable for damages resulting from application of SPIKE 40P to areas where it is not intended to be used.

Limitation of Damages: The manufacturer's liability for damages resulting from the use of SPIKE 40P is limited to the amount of the product purchased and applied in accordance with the label directions for use of this product.

Elanco Products Company - A Division of Eli Lilly and Company
Indianapolis, IN 46285, U.S.A.

WT-210 AVX

60-5914

ELANCO

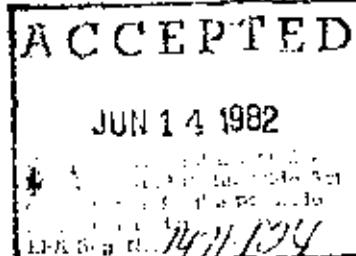
ID 5914



Herbicide

Spike®

40P



Net Weight 40 Pounds

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

Railroad rights-of-way
Utility rights-of-way
Industrial sites
Pipelines
Fence rows
Firebreaks
Ditchbanks
Along highways
Other noncropland areas for the control of woody plant species



Spike® will kill trees and shrubs
Contact your local distributor
for details.

BEST DOCUMENT AVAILABLE

The degree and duration of control may vary with the amount of chemical applied,
soil texture, and other conditions.

Active Ingredient:

tebuthiuron: *N*-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-*N,N'*-dimethylurea 40.0%

Inert Ingredients 60.0%

Contains 16 pounds active ingredient per 40 pound bag

SPIKE®--the registered trademark for Elanco Products tebuthiuron

CAUTION: KEEP OUT OF REACH OF CHILDREN
See back panel for additional caution statements

EPA Reg. No. 1471-102

WT. AGRIC. AGR.

Directions for Use

Read All Directions Carefully
Before Applying

Woody Species Controlled

Apply 2.5 pounds SPIKE 40P per acre to control the following species.

<i>Hippophae rhamnoides</i> (Burr-rose)	<i>Cornus florida</i> (Creosotebush)	<i>Mimosa lutea</i> (Wait-a-minute-bush)
Apply 5 pounds SPIKE 40P per acre to control the following species.		
<i>Ailanthus altissima</i> (Tree of-heaven)	<i>Morus rubra</i> (Red mulberry)	<i>Rosa multiflora</i> (Multiflora rose)
<i>Alyssum alyssoides</i> (Whitetop)	<i>Rubus strigosus</i> (Western white plum)	<i>Salvia leucophylla</i> (Whiteleaf sage)
<i>Artemesia tridentata</i> (Big sagebrush)	<i>Pinus spp.</i> (Pine)	<i>Saussurea molliflora</i> (Black sage)
<i>Carya glabra</i> (Pignut hickory)	<i>Prunus emarginata</i> (Bitter cherry)	<i>Symphoricarpos orbiculatus</i> (Buckbrush)
<i>Ceanothus occidentalis</i> (Western buckbrush)	<i>Prunus glabra</i> (Smooth sumac)	<i>Ulmus americana</i> (American elm)
<i>Datura discolor</i> (Dwarf thornapple)	<i>Rubus hispida</i> (Black locust)	<i>Vaccinium or Gaylussacia spp.</i> (Huckleberry)
<i>Lycium berlandieri</i> (Berlandier's nightshade)		

Apply 7.5 pounds SPIKE 40P per acre to control the following species.

<i>Abies balsamea</i> (Balsam fir)	<i>Condalia obtusiloba</i> (Loebelshrub condalia)	<i>Quercus douglasii</i> (Blue oak)
<i>Acacia farnesiana</i> (Fluorescent)	<i>Ilex vomitoria</i> (Waukon)	<i>Quercus marilandica</i> (Blackjack oak)
<i>Acer saccharum</i> (Sugar maple)	<i>Larix laricina</i> (Tamarack)	<i>Quercus stellata</i> (Post oak)
<i>Amygdalus amara</i> (Sweet cherry)	<i>Picea glauca</i> (White spruce)	<i>Salix spp.</i> (Willow)
<i>Amelanchier alnifolia</i> (Gray alder)	<i>Populus balsamifera</i> (Balsam poplar)	<i>Schaefferia canescens</i> (Desert yucca)
<i>Amelanchier alnifolia</i> (Gray alder)	<i>Populus tremuloides</i> (Eastern cottonwood)	<i>Spiraea dumosa</i> (Highbush cranberry)
<i>Carya texana</i> (Black hickory)	<i>Quercus coccinea</i> (Canyon live oak)	<i>Ulmus alata</i> (Winged elm)
<i>Celtis laevigata</i> (Giant Celtis)		

Apply 10 pounds SPIKE 40P per acre to control the following species.

<i>Acacia berlandieri</i> (Guaje)	<i>Crataegus obtusa</i> (Bluewood crabapple)	<i>Psidium angostifolium</i> (Guava)
<i>Acacia greggii</i> (Catalpa acacia)	<i>Cornus drummondii</i> (Roughleaf dogwood)	<i>Prosopis juliflora</i> (Mesquite)
<i>Acacia rigidula</i> (Blackbrush acacia)	<i>Crataegus spp.</i> (Hawthorn)	<i>Prunus virginiana</i> (Common chokeberry)
<i>Acacia torulosa</i> (Twisted acacia)	<i>Eysenhardtia torreana</i> (Kickeywood)	<i>Pseudotsuga menziesii</i> (Douglas fir)
<i>Acer negundo</i> (Boxelder)	<i>Fagus grandifolia</i> (American beech)	<i>Pueraria lobata</i> (Kudzu)
<i>Aesculus californica</i> (Chesnut)	<i>Juglans dolichocarpa</i> (Leatherstein)	<i>Quercus dumosa</i> (California scrub oak)
<i>Aesculus hippocastanum</i> (Chesnut)	<i>Leucophyllum frutescens</i> (Ceiba [Texas]	<i>Quercus ilex</i> (Pin oak)
<i>Ailanthus altissima</i> (Tree of-heaven)	<i>schiedeana]</i>	<i>Quercus rubra</i> (Red oak)
<i>Alnus rubra</i> (Red alder)	<i>Liquidambar styraciflua</i> (Sweetgum)	<i>Quercus virginiana</i> (Live oak)
<i>Carpinus fuscipila</i> (Trumpetacacia)	<i>Myrsinella conferta</i> (Southern waxmyrtle)	<i>Rhus typhina</i> (Staghorn sumac)
<i>Carya ovata</i> (Shagbark hickory)	<i>Parthenocissus quinquefolia</i> (Virginia creeper)	<i>Rubus allegheniensis</i> (Allegheny blackberry)
<i>Cercis canadensis</i> (Birchleaf mallow/Redbud)	<i>Pithecellobium gracilifolium</i> (Bleeding aspen)	<i>Salvia ballotiflora</i> (Shrubby blue salvia)
<i>Celtis laevigata</i> (Texas cedar)		

Apply 12.5 pounds SPIKE 40P per acre to control the following species.

<i>Acer platanoides</i> (Norway maple)	<i>Juniperus virginiana</i> (Eastern redcedar)	<i>Pinus virginiana</i> (Virginia pine)
<i>Acer saccharinum</i> (Silver maple)	<i>Lantana camara</i> (Lantana)	<i>Platanus occidentalis</i> (American sycamore)
<i>Baccharis spp.</i> (Groundsel tree)	<i>Lexiconia pulchra</i> (Tuliptree)	<i>Prunus serotina</i> (Black cherry)
<i>Cercis canadensis</i> (Flowering dogwood)	<i>Mitchella repens</i> (Mitchella)	<i>Quercus alba</i> (White oak)
<i>Fraxinus pennsylvanica</i> (Green ash)	<i>Pinus strobus</i> (Jack pine)	<i>Rubus hispida</i> (Evergreen blackberry)
<i>Grewia surinamensis</i> (Sulphurash)	<i>Pinus taeda</i> (Shortleaf pine)	<i>Rubus occidentalis</i> (Black raspberry)
	<i>Pinus resinosa</i> (Red pine)	<i>Schinus terebinthifolius</i> (Brazilian pepper)

Apply 15 pounds SPIKE 40P per acre to control the following species.

<i>Acer cappadocicum</i> (Vine maple)	<i>Crataegus crus-galli</i> (Cockscomb hawthorn)	<i>Prunus laurocerasus</i> (Laurel sumac)
<i>Aichryson pumila</i> (Glossleaf manzanita)	<i>Eriobotrya japonica</i> (Persimmon)	<i>Smilax rotundifolia</i> (Common greenbrier)
<i>Cocculus hirsutus</i> (Waynefield cranberry)	<i>Eriobotrya japonica</i> (Persimmon)	<i>Ulmus parvifolia</i> (Chinese elm)
<i>Cordia boissieri</i> (Northern catalpa)	<i>Ficus carica</i> (Carica asci)	<i>Ulmus rubra</i> (Slippery elm)

Species growing on dry, dry-flooding, or disturbed soils or directly treated species may show erratic control or not be controlled. Apply a higher rate for effective control.

GENERAL DIRECTIONS

Apply SPIKE 40P uniformly to the woody plant intended to be treated by individual plant treatment.

Applications can be made anytime during the year except when the ground is frozen or saturated with water. Effects are slow to appear and will not become apparent until after sufficient moisture has carried the SPIKE 40P into the root zone of target species. The rate required to achieve control is dependent on soil texture, amount of rainfall, and depth of species rootings. Some species may go through several defoliations and foliations over a period of approximately 12 weeks prior to dying.

Broadcast Application

SPIKE 40P may be applied using a power or hand held ground spreader. On utility rights-of-way SPIKE 40P may be applied using a helicopter equipped with application equipment such as Simplex Models 1610 and 1620. Use of a crop

men not designed to contain the spread of SPIKE 40P to the target area may result in injury or death of desirable plant species.

Individual (Spot) Woody Plant Application

Apply SPIKE 40P by hand, tossing one-quarter ounce of SPIKE 40P onto the base of the unwanted woody plant. Wear protective gear when applying SPIKE 40P by hand. Repeat the treatment to each unwanted woody plant in the area. CAUTION: DO NOT USE SPIKE 40P IN THIS MANNER IN ANY AREA WHERE DESIRABLE SPECIES ARE IN THE VICINITY OF THE PLANTS TO BE ELIMINATED. A SMALL AMOUNT OF SPIKE 40P IN CONTACT WITH THE ROOTS OF DESIRABLE TREES OR OTHER WOODY SPECIES MAY CAUSE SEVERE INJURY OR DEATH. THE ROOTS OF SUCH PLANTS MAY REACH FAR BEYOND THEIR Drip LINES.

BEST DOCUMENT AVAILABLE