

**Directions for Use** Read All Directions Carefully Before Applying

**Maintenance Rates East of Rocky Mountains:**

For the maintenance of total vegetation control in non-cropland areas east of the Rocky Mountains which were treated the previous season with SPIKE® or other residual herbicides, apply SPIKE® Solution prior to or just after emergence of plants as follows: (Some of the species listed may show erratic control depending on the time between application and weed germination).

At 54 gallons per acre, SPIKE® Solution will control the following:

Bluegrass, annual	Horseweed	Ragweed, common
Bluegrass, Kentucky	Mullein	Smartweed, Pennsylvania
Carrot, wild	Panicum, fall	Sweetclover
Chickweed, common	Parsnip, wild	Thistle, Canada
Croton	Pepperweed	Woodsorrel, yellow
Fleabane, annual	Pigweed	

In areas of rainfall greater than 25 inches per year, the 81 gallons maintenance rate should be used.

**Maintenance Rates West of Rocky Mountains:**

For the maintenance of total vegetation control in non-cropland areas west of the Rocky Mountains which were treated the previous season with SPIKE® or other residual herbicides, apply SPIKE® Solution prior to or just after emergence of plants as follows: (Some of the species listed may show erratic control depending on the time between application and weed germination.)

At 40 gallons per acre SPIKE® Solution will control the following:

Bassia, fivehook	Oat, wild	Saltbush
Cheat	Oxtongue, bristly	Shepherdspurse
Cudweed	Pigweed	Witchgrass
Foxtail	Plantain	
Lettuce, Prickly	Ryegrass, annual	

At 54 gallons per acre SPIKE® Solution will control the following:

Buttercup	Mallow	Starthistle, yellow
Canarygrass, reed	Mustard	Telegraphweed
Knapweed, Russian	Ragweed, western	Thistle, Russian
Knotweed		

At 81 gallons per acre SPIKE® Solution will control the following:

Barley	Puncturevine	Smartweed, swamp
Gumweed	Sida, alkali	

In areas of rainfall greater than 25 inches per year, the 81 gallons per acre maintenance rate should be used.

**General Directions**

Apply SPIKE® Solution in 40 to 81 gallons per acre before or during the period of active plant growth. In areas of low annual rainfall (less than 15 inches per year), SPIKE® should be applied prior to the time of year when the predominant portion of that rainfall occurs. A minimum of 1 to 1.5 inches of rainfall is required to activate SPIKE® Solution and place it in the primary weed seed germination zone.

Apply with a Railroad Spray Train equipped to deliver the spray uniformly. Check the equipment before and during use to insure proper calibration and application.

**PRECAUTIONS**

Do not apply SPIKE® Solution on or near desirable trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed into contact with their roots as severe injury or death may occur. Do not use on walks, driveways, lawns, patios, tennis courts, or similar areas where roots of desirable trees or other plants may extend or where SPIKE® Solution may be washed into contact with roots of desirable trees. Prevent drift of dry powder or spray to desirable plants.

Keep from contact with pesticides, fertilizers, seeds, and food.

Clean all traces of SPIKE® Solution from application equipment after use. Remove nozzle tips and screens and rinse thoroughly. Flush tank, pump, hoses, and boom with several changes of water. Flush waters should be emptied on treated areas to avoid injury to desirable vegetation.

Do not reuse tank car for any purpose other than mixing herbicides.

Avoid freezing. Store above 40°F.

**ELANCO**

Net Contents 11,514 Gallons

**ACCEPTED**  
**JAN 26 1979**  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1471-111

**A preemergence and postemergence herbicide for broad spectrum control of vegetation on railway roadbeds, ballast, and yards.**

Active Ingredient:  
 tebuthiuron: N-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea ..... 0.36%  
 Inert Ingredients ..... 99.64%  
 Contains 342 lbs. Active ingredient per tank car (11,514 gallons)

**CAUTION:** Keep out of reach of children. Harmful if swallowed. Avoid contact with skin, eyes or clothing. In case of contact, flush with water. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

**Elanco Products Company • A Division of Eli Lilly and Company**  
**Indianapolis, IN 46206, U.S.A.**  
 EPA Reg. No. 1471-111-AA

Sold By:

EPA Est. No.

BEST DOCUMENT AVAILABLE