

# Supplemental Labeling



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## Spike<sup>®</sup> 80DF herbicide

EPA Reg. No. 62719-107

### Establishment of Herbicidal Firebreaks in Annual Grasslands

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Spike 80DF before applying. Carefully follow all precautionary statements and applicable use directions.
- Except as described below, use of Spike 80DF according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the product container.

#### Directions for Use

Spike<sup>®</sup> 80DF herbicide may be used for establishment of firebreaks in annual grasslands adjacent to frequently traveled areas or areas with a history of repeated wildfires. Application of Spike 80DF provides residual preemergence control of annual grasses and broadleaf weeds and prevents annual buildup of combustible fuel. Treated strips 40 to 50 feet wide may be established parallel to highways or frequently traveled areas or in a broad-scale grid pattern. Strategic placement of firebreaks can prevent fires from spreading from frequently traveled areas or lightning-caused fires can be confined to the area within a single grid block. Herbicidal firebreaks can also serve as a means of safe passage in case of entrapment during fire-fighting efforts.

This practice is intended for use in rangelands dominated by annual grasses such as *Bromus* and other annual grass species and certain broadleaf weeds prevalent in the Great Basin and Pacific Northwest. When surface applied from mid summer to early fall, Spike 80DF provides residual preemergence control of susceptible annual grasses and broadleaf weeds from early fall through the spring growth period. Depending on application rate, a single application may provide effective annual grass and broadleaf control for 2 years or more. Desirable perennial grasses within treated strips may be temporarily injured, but if not overgrazed, will increase in vigor and density with time.

**Broadcast Application Rates:** Apply Spike 80DF at a rate of 0.38 to 0.75 lb/acre (0.3 to 0.6 lb ai/acre) in a minimum spray volume of 5 gallons per acre for ground equipment. Use low pressure large droplet herbicide nozzles. Use the lower end of the rate range in areas with coarse to medium textured soils with low organic matter and the higher end of the rate range in areas with medium to fine textured soils, areas with higher organic matter, or where a longer period of control is desired.

**Annual Weeds Controlled:** Includes *Bromus* spp., downy brome or cheatgrass (*Bromus tectorum*), ripgut brome (*Bromus diandrus*), annual mustards, bur buttercup (*Ranunculus testiculatus*) and other annual species

**Application Timing:** Spike 80DF may be applied from mid summer through early fall (July 15 through October 15). Application should occur prior to or immediately after the onset of germination of target annual weeds. Spike 80DF may be applied 2 to 3 months before germination of target weeds without loss of herbicidal activity. The treatment becomes herbicidally active when there is sufficient rainfall to move the herbicide into the surface soil where germination occurs. Control will be reduced if Spike 80DF is applied after the root systems of target weeds are established and can obtain soil moisture from below the zone of herbicidally active surface soil.

**Woody plant control:** With time, application rates greater than 0.4 lb/acre of Spike 80DF may provide sagebrush control within treated strips.

**Application Techniques and Equipment:** Herbicidal firebreaks may be applied with ground equipment. Ground equipment using cluster nozzles may be preferable to conventional ground spray booms in areas of rough terrain. Adjust spray boom to deliver a uniform swath approximately 40-50 feet wide. Treat strips of sufficient width to contain a wild fire in annual grass vegetation normally observed in the area.

Repeat applications may be made at a reduced rate within previously treated strips or application may occur adjacent to treated strips to widen the zone of reduced fuel in case of fire. By treating strips adjacent to previously treated strips, desirable changes in herbaceous perennial vegetation within previously treated strips may be preserved.

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