



SPRAKIL S-5 BRUSH CONTROL GRANULES

ACTIVE INGREDIENTS:

Tebuthiuron: N-(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N-dimethylurea 5.0%

OTHER INGREDIENTS: 95.0%

Total: 100.0%

NON-CROP WEED CONTROL INDUSTRIAL USE ONLY

SpraKil S-5 is intended for total vegetation control. It is an extremely active herbicide which will kill trees, shrubs, and other forms of 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 SpraKil S-5 in contact with one feeder root of a tree, shrub, or other desirable vegetation may cause serious injury or death to the entire plant.

An arboriculturist (tree expert) should be consulted to help you to determine if the area of proposed application is free of all roots of desirable vegetation. The effect of SpraKil S-5 on desirable vegetation may be irreversible, and its presence in the soil may prevent growth of other desirable vegetation for some years after application. Read the entire label before using SpraKil S-5 to determine if this product is suitable for the desired purpose.

Do not use SpraKil S-5 on 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 or near field crops. Do not apply on any area into which the roots of desirable vegetation may extend. Do not apply in locations where the chemical may be washed by runoff or sheet erosion 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 SpraKil S-5 to interior ditchbanks (areas which slope toward the drainage). Do not apply to ditches used to transport irrigation or potable water.

Thoroughly clean all traces of SpraKil S-5 from application equipment after use. Do not empty residues cleaned from application equipment on 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 cut forage from treated areas for feeding livestock. SpraKil S-5 may injure or suppress certain herbaceous vegetation in the treated area. Do not apply where such injury cannot be tolerated. Injury to most herbaceous perennials is reduced if SpraKil S-5 is applied when this vegetation is dormant.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in original container only, away from other pesticides, fertilizer, food, or feed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Plastic Container: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer container for recycling if available or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Plastic Bag: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer bag for recycling if available or 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.

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS & DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin or swallowed. Avoid contact with eyes, skin or clothing. Prolong or frequently repeated skin contact may cause allergic reaction in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

For vegetation control by broadcast (ground equipment) and banded applications: If the treated area is to be used for haying, do not apply more than 80 lbs. (4 lbs. A.I.) per acre of product, and do not apply this product more than once per year. Grazing is allowed in areas receiving band or individual plant treatments of 80 lbs. (4 lbs. A.I.) per acre or less of product. The maximum label rate and frequency of application is 40 lbs. (2 lbs. A.I.) SpraKil S-5 per acre once every three years for vulnerable areas (where soils are sandy and depth to water table is shallow.) For all other areas, SpraKil S-5 may be applied one time in a 3-year period at a rate of up to 80 lbs. (4 lbs. A.I.) per acre of product; however, no more than 120 lbs. (6 lbs. A.I.) per acre may be applied in two consecutive treatments in any 6 year period.

Spot treatments (hand-held equipment): SpraKil S-5 may be applied at rates up to the equivalency of 120 lbs. (6 lbs. A.I.)/acre when needed.

CONDITIONS OF SALE

1. Seller warrants that this product consists of the ingredients specified and is reasonably fit for use as directed on the label. No one other than officer of Seller is authorized to make any warrant, guarantee, or direction concerning this product. 2. Because the time, place, rate of application, and other conditions for use are beyond the Seller's control, to the extent consistent with applicable law, the Seller's liability from handling, storage, and use of this product is limited to replacement of product or refund of purchase price.

KEEP OUT OF REACH OF CHILDREN CAUTION!

FIRST AID

IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

For emergency information, contact CHEMTREC at 1-800-424-9300 (24 hours).

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**SEE ADDITIONAL PRECAUTIONARY STATEMENTS
& DIRECTIONS FOR USE**

MANUFACTURED BY:

SSI MAXIM CO., INC.
P.O. Box 1954 • Kilgore, TX 75663

EPA REG. NO. 34913-10
EPA EST. NO. 39578-TX-1

SPRAKIL S-5 BRUSH CONTROL GRANULES

DIRECTIONS FOR USE

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING

Sprakil S-5 Granules is a non-selective herbicide for controlling a wide range of annual and perennial grasses and broadleaved weeds and woody plants. Apply only for non-cropland areas such as, AIRPORT RUNWAYS; UTILITY SUBSTATIONS AND RIGHTS-OF-WAY; TANK FARMS; RAILWAY ROADBEDS AND BALLAST; RAILROAD RIGHTS-OF-WAY; ROAD SHOULDERS WHERE NO VEGETATION IS DESIRED; AT THE BASE OF HIGHWAY GUARDRAILS; SIGNPOSTS AND MARKERS AT THE BASE OF TRANSMISSION TOWERS AND POLES; AROUND INDUSTRIAL BUILDINGS; LUMBERYARDS; RAILROAD YARDS; DITCHBANKS; FIREBREAKS; AND FENCE ROWS INCLUDING GRAZED AREAS ON THESE SITES. Effects are slow to appear and will not become apparent until the chemical has been carried into the root zone of the weeds by moisture. Control will last for an extended period. The duration of nonproductivity is dependent upon type of soil, amount of rain, and other conditions. Users should consult state agricultural experimental stations or extension service weed specialists as to use in their particular area.

How to apply: Use a mechanical spreader or other device which will spread the required amount evenly over the area to be treated. It may be applied when top growth is dense, but better control will be obtained when weeds are short or when excess growth is mowed and removed before applying.

When to apply: Best results will be obtained if applied shortly before or at the time plant growth begins. Rains or thorough watering after application will cause the material to move to the root zone and thus speed up control. Do not use when ground is frozen.

ENVIRONMENTAL HAZARD

In case of spills, collect, cover, or incorporate granules/pellets spilled on the soil surfaces to prevent contamination to water. Do not apply to water, or 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.

WOODY PLANT CONTROL

Apply Sprakil S-5 uniformly to the woody plant infested area or by individual plant treatment. Application can be made anytime during the year except when the ground is frozen. Effects are slow to appear and will not become apparent until sufficient moisture has carried the Sprakil S-5 into the root zone of the target species. The time required to achieve control is dependent on soil type, amount of rainfall, and depth of species rooting. Some species may go through several defoliations and refoliations over a period of approximately two or three years prior to dying.

INDIVIDUAL (SPOT)

WOODY PLANT APPLICATION

Apply Sprakil S-5 by hand tossing 2 ounces of the granules around the base of the unwanted individual woody stem. Wear protective gloves when applying granules by hand. Repeat this process for each unwanted woody plant in the area.

CAUTION: Do not use Sprakil S-5 in this manner in any area where desirable species are in the vicinity of the plants to be eliminated. Sprakil S-5 will injure or control other herbaceous vegetation in the treated area. Do not apply where such injury cannot be tolerated.

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 Ground Water 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.

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 Sprakil S-5 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, 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 Sprakil S-5 within areas identified by state or local authorities as protected ground water recharge zones.

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Spot treatments (hand-held equipment): Sprakil S-5 may be applied at rates up to the equivalency of 120 lbs. (6 lbs. A.I.)/acre when needed.

BROADCAST APPLICATION

Apply Sprakil S-5 using a mechanical spreader or other device calibrated to deliver the amount of material over the area to be treated.

WOODY PLANT CONTROL - APPLICATION RATES

Sprakil S-5 applied at the rate of 40 pounds per acre will control the following species:

Ailanthus altissima (Tree-of-heaven)	Artemisia vulgaris (Mugwort)	Nyssa sylvatica (Black gum)	Ulmus americana (American elm)
Aloysia lycioides (Whitebrush)	Liriodendrom tulipifera (Tuliptree)	Quercus nigra (Water oak)	

Sprakil S-5 applied at the rate of 60 pounds per acre will control the following species:

Carya texana (Black hickory)	Quercus stellata (Post oak)	Symphoricarpos orbiculatus (Buckbrush)	Ulmus alata (Winged elm)
Quercus marilandica (Blackjack Oak)			

Sprakil S-5 applied at the rate of 80 pounds per acre will control the following species:

Acacia berlandieri (Guajillo)	Campsis radicans (Trumpetcreeper)	Larrea tridentata (Creosotebush)	Rosa multiflora (Multiflora Rose)
Acacia rigidula (Blackbrush acacia)	Celtis occidentalis (Western hackberry)	Myrica cerifera (Southern waxmyrtle)	Rubus allegheniensis (Allegheny blackberry)
Acer negundo (Boxelder)	Celtis pallida (Granjeno)	Rhus copallina (Shining sumac)	

Sprakil S-5 applied at the rate of 100 pounds per acre will control the following species:

Acer macrophyllum (Bigleaf maple)	Gaultheria shallon (Sala)	Pinus virginiana (Virginia pine)	Quercus alba (White oak)
Alnus rubra (Red alder)	Juniperus virginiana (Eastern redcedar)	Prunus emarginata (Bitter cherry)	Rubus laciniatus (Evergreen blackberry)
Cornus florida (Flowering dogwood)	Pinus echinata (Shortleaf pine)	Pseudotsuga menziesii (Douglas fir)	Rubus occidentalis (Black raspberry)

Sprakil S-5 applied at the rate of 120 pounds per acre will control the following species:

Acer circinatum (Vine maple)	Haplopappus tenuisectus (Burrowweed)	Rhus glabra (Smooth sumac)	Ulmus parvifolia (Chinese Elm)
Cornus spp. (Dogwood)	Liquidambar styraciflua (Sweetgum)	Rhus typhina (Staghorn sumac)	Ulmus rubra (Slippery elm)
Crataegus spp. (Hawthorn)	Prosopis juliflora (Mesquite)	Salix spp. (willow)	
Fraxinus americana (White ash)	Prunus serotina (Black Cherry)	Smilax rotundifolia (common greenbriar)	



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