



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%

INERT 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 any portion of the ditchbank that will come into direct contact with water as movement of SpraKil S-5 in this water to non-target plant species may result in the injury or death of those plants. Do not apply on ditches used to transport irrigation or potable water. Keep from contact with other pesticides and seeds.

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 allow domestic livestock to graze in treated areas. 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

STORAGE: To maximize the shelf life of this product, store in dry area where the container is not likely to come in contact with moisture. Do not store near fertilizers, seeds, insecticides, or fungicides.

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

Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.

(For Plastic Bucket) Triple rinse (or equivalent). Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(For Bags) Completely empty bag into application equipment. Dispose of 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

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolong or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling.

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves

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.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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 of use are beyond Seller's control, 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!

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water.

Call a physician if irritation persists.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

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. It is recommended 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. 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 for recommendations 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.

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 tetrathionon 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 tetrathionon, 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.

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: The maximum label rate and frequency of application is 40 lbs. Sprakil S-5/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 rates up to 80 lbs./acre; however, no more than 120 lbs./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./acre when needed.

BROADCAST APPLICATION

Apply Sprakil S-5 using a mechanical spreader or other device calibrated to deliver the recommended 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:

<i>Allanhus albus</i> (Tree-of-heaven)	<i>Artemisia vulgaris</i> (Mugwort)	<i>Nyssa sylvatica</i> (Black gum)	<i>Ulmus americana</i> (American elm)
<i>Aloysia lycioides</i> (Whitebush)	<i>Liriodendron tulipifera</i> (Tulip tree)	<i>Quercus nigra</i> (Water oak)	

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

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

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

<i>Acacia berlandieri</i> (Guaifila)	<i>Campsis radicans</i> (Trumpet creeper)	<i>Larrea tridentata</i> (Creosote bush)	<i>Rosa multiflora</i> (Multiflora Rose)
<i>Acacia rigidula</i> (Blackbrush acacia)	<i>Celtis occidentalis</i> (Western hackberry)	<i>Myrica carolinensis</i> (Southern waxmyrtle)	<i>Rubus allegheniensis</i> (Allegheny blackberry)
<i>Acer negundo</i> (Boxelder)	<i>Celtis pallida</i> (Grape)	<i>Rhus copallina</i> (Shining sumac)	

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

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

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

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



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