

85.12.31

Hopkins

SODIUM
TCA GRANULAR
GRASS WEED KILLER

Controls Grass Seedlings and
Established Perennial Grasses Such As
Quack Grass and Blue Grass. Also Controls
Broadleaf Weeds and Conifers

COMMERCIAL

GUARANTEE: TCA acid equivalent,
present as sodium salt.....82.7%

REGISTRATION NUMBER 16695
PEST CONTROL PRODUCTS ACT

See Precautionary Statements and First Aid on Side Panel

READ THE LABEL BEFORE USING

Store in cool place. Keep Container tightly closed.

NOTICE TO USER: This control product is to be used only in
accordance with the directions on this label. It is an offence
under the Pest Control Products Act to use a control product
under unsafe conditions.

LIMITATION OF WARRANTY: Seller's guarantee shall be limited to
the terms set out on the label and subject thereto, the buyer
assumes the risk to persons or property arising from the use or
handling of this product and accepts the product on that
condition.

MANUFACTURED BY
Hopkins

agricultural chemical co.
BOX 7532 MADISON, WISCONSIN 53707
U.S.A.

NET CONTENTS 25 KILOGRAMS

DIRECTIONS FOR USE:

APPLICATION: Use ten or more litres of water for each kilogram of HOPKINS SODIUM TCA GRANULAR. Run the spray tank agitator until the chemical is dissolved. Use of paddle agitation often Necessary for adequate and complete solubility. Often it is best to pre-mix HOPKINS SODIUM TCA GRANULAR in a separate tank so that there is no delay in getting the material in solution when the spray tank is filled. Spray may be applied to foliage or directly into the soil, but it is best to cut and remove tall grass before spraying. Do not burn sprayed grass as this can reduce effectiveness of treatment.

NON-SELECTIVE TREATMENT

NON-CROP AGRICULTURAL LAND: For the control of quack grass apply HOPKINS SODIUM TCA GRANULAR at a rate of 92.5 to 97.5 kilograms in 900 litres per hectare in spring or early summer to moderately moist soil. Till thoroughly with plow, one-way disc or rotovator two to three weeks after application and at monthly intervals until freeze-up. A second application may be required if rainfall is heavy. Do not burn treated grass.

NON-CROP LAND (Airfields, Ditchbanks, Fencerows, Headlands, Industrial Areas, Oil Tank Farms, Parking Lots, Right-of-Way, Roadsides and Substations):

For suppression of Northern Grasses (Blue Grass, Quack Grass) and for the Control of Young Grass Seedlings (Annual and Perennial) apply HOPKINS SODIUM TCA GRANULAR at a rate of 8 to 17 kilograms per hectare as a spray in enough water to obtain even coverage and suppress growth without killing the grass. Spray may be applied to foliage or directly onto the soil, but it is best to cut and remove tall grasses before spraying. Application immediately after ploughing or cultivating helps in controlling established perennial grasses. A light rain soon after application is necessary for best results.

For control of Quack Grass and Reds - Apply HOPKINS SODIUM TCA GRANULAR at a rate of 112 to 224 kilograms per hectare as a spray using enough water to obtain even coverage. Use the lower rate to control infestations. Use up to 224 kilograms per hectare for extended residual control. Apply at any time the ground is not frozen and prior to

heading of the grass. Spray may be applied to foliage or directly onto the soil, but it is best to cut and remove tall grasses before spraying. Application immediately after ploughing or cultivation helps in controlling established perennial grasses. A light rainfall soon after application is necessary for best results.

For control of Conifers (Balsam, Pine and Spruce) - Apply HOPKINS SODIUM TCA GRANULAR at a rate of 20 to 26 kilograms in 1000 litres of water as a spray during the growing season. Very thorough spray during the growing season. Very thorough coverage is needed. Sprays will not give good control if used after growth stops in late summer, or if used before growth starts in early summer.

PAVEMENT: For control of plants. Apply HOPKINS SODIUM TCA GRANULAR at a rate of 225 kilograms per hectare. To prevent the emergence of plants through new pavement, apply the herbicide to the base material just prior to application of the prime coat. The spray pattern should overlap any existing pavement approximately 15 centimeters and extend only as far as paving will be applied. Surface should not be broomed or disturbed after application.

SELECTIVE USES

ALFALFA (Seedling), CLOVER (Sweet): For the control of annual grasses (including Foxtail) - Apply 4.8 to 5.5 kilograms HOPKINS SODIUM TCA GRANULAR Per hectare to crop in the seedling stage. For best results soil should be moderately moist. A light rainfall to newly treated soil is beneficial. Treated forage should not be grazed or fed to livestock.

BARLEY AND OATS: For the control of annual grasses (including green foxtail) - Apply HOPKINS SODIUM TCA GRANULAR as a post-emergence treatment at a rate of 1.3 kilograms per hectare in barley and 1.3 to 2.5 kilograms per hectare in oats. Apply as a spray in not less than 90 to 110 litres of water per hectare. Apply when the grasses have 1 to 3 leaves and the cereals have 2 to 4 leaves. Use the lower rate in light sandy soils. For best results the soil should be moderately moist. Apply when the grasses have 1 to 3 leaves and the cereals have 2 to 4 leaves. Use the lower rate in light sandy soils. For best results the soil should be moderately moist. A light rainfall on newly treated soil is beneficial (not heavy rainfall). Delay in maturity may occur, but this will not affect yields. Do Not

apply on barley and oats seeded less than 5 to 8 centimeters deep.

BEETS (Sugar): For the control of annual grasses (including green foxtail) and the reduction of quack grass. For best results, the should be moderately moist. A light rainfall on newly treated soil is beneficial. Use the lower rate in light soils (sands, loamy sands sandy loams). As a pre-emergence spray, apply HOPKINS SODIUM TCA GRANULAR at the rate of 6.5 to 9 kilograms per hectare in 110 to 135 litres of water before the grass is 5 centimeters tall and before the sugar beets have four leaves. Do not feed treated tops to livestock.

Beets (Red): For the control of annual grasses and reduction of quack grass. **PRE-EMERGENCE TREATMENT:** Apply HOPKINS SODIUM TCA GRANULAR before the beets emerge at a rate of 6.5 to 9 kilograms per hectare as a spray in 110 litres ow water per hectare. Use the lower rate in light soils (sands, loamy sands and sandy loams). For best results, soil should be moderately moist. A light rainfall on newly treated soil is beneficial. Do Not feed treated tops to livestock.

CABBAGE, CAULIFLOWER, AND GLADIOLUS: For control of grass seedling - Apply HOPKINS SODIUM TCA GRANULAR as a pre-emergence or directed post- emergence spray at a rate of 6.5 to 9 kilograms per hectare using enough water for even coverage. For best results, soil should be moderately moist. A light rainfall on newly treated soil is beneficial.

FLAX AND RAPESEED: For the control of annual grasses (including green foxtail) - Apply HOPKINS SODIUM TCA GRANULAR as a post-emergence spray at a rate of 4.3 to 6.7 kilograms per hectare in 110 to 165 litres of water, when grasses are in the seedling stage and before green foxtail has 4 true leaves. Flax should be 10 to 15 centimeters high when treated. Rapeseed should be in the 2- to 4-leaf stage. For best results, the soil should be moderately moist. A light rainfall on newly treated soil is beneficial.

PEAS (Field): For the control of annual grass seedlings (including green Foxtail) - Apply HOPKINS SODIUM TCA GRANULAR at a rate of 4.3 to 6.7 kilograms per hectare as a post-emergence spray when pea vines are 10 to 20 centimeters in length and when green foxtail is in the 1- to 3-leaf stage. Use enough water for even coverage. For best results, the soil should be moderately moist. A light rainfall on newly treated soil is beneficial. Do

Not use on canning or processing peas.

TOMATOES (Direct-Seeded): For the control of annual grass seedlings - Apply HOPKINS SODIUM TCA GRANULAR at a rate of 4.3 to 6.7 kilograms per hectare 2 days before emergence of crop as a spray using enough water for even coverage. For best results, the soil should be moderately moist. A light rainfall on newly treated soil is beneficial.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HARMFUL IF SWALLOWED

MAY CAUSE BURNS

IRRITATING TO SKIN AND EYES

Do not get in eyes, on skin, or on clothing or shoes. Do not apply on or near useful plants or to land in crops except as direct below. Do not let HOPKINS SODIUM TCA GRANULAR get into irrigation water. Do not use on lawns or similar closely mowed turf. Do not contaminate any body of water. TCA may inhibit seed germination and plant growth for 60 days or more depending on soil type, soil moisture, dosage and especially on the amount of rain.

To minimize corrosion of equipment do not flush out with water after each use because this product contains rust inhibitor. However, prior to long-term storage of equipment, flushing with plenty of clean water is suggested.

Do not allow animals to graze treated areas for at least 24 hours after treatment.

Local conditions may affect the use of herbicides.

FIRST AID

In case of contact, promptly flush skin or eyes with plenty of water for a least 15 minutes. For eyes, get medical attention. If swallowed, induce vomiting. Get medical attention.

Remove contaminated clothing and wash before reuse.

TOXICOLOGICAL INFORMATION

If taken internally, administer by mouth a neutralizer and diluent such as magnesium oxide, lime water, amphogel or soap solution.

Opiate for the control of pain. Keep the patient warm.

DECONTAMINATION AND DISPOSAL

Clean equipment and dispose of rinsings by burying in a non-grass area away from water supplies. Do not reuse empty container. Destroy it by burying with waste or deliver it to sanitary landfill dumps in accordance with municipal requirements. Do not burn containers. For additional details on disposal of container and rinsings and for information about the appropriate means of disposing of unused, unwanted products, contact the regional office of the Environmental Protection Service, Department of the Environment.

GENERAL INFORMATION

HOPKINS SODIUM TCA GRANULAR grass killer may be used on non-crop areas such as along drainage ditch banks, headlands (turn-row), rights-of-way, fence rows and roadsides; and in industrial areas, oil tank farms, substations, parking lots and airfields. At lower rates it can be used to suppress, rather than kill, certain grasses in those areas where permanent cover is needed.

It can also be used selectively in certain crops. HOPKINS SODIUM TCA GRANULAR is usually applied as a water spray.

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