

2000/2002

SLO-GRO® 60SG

Contains maleic hydrazide to provide grass, tree, and
shrub growth control.

COMMERCIAL

GUARANTEE:

Maleic hydrazide.....60%
(present as potassium salt)

REGISTRATION NO: 19956
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

®Registered Trade Mark of Uniroyal Chemical Ltd.

NET CONTENTS 1Kg

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DIRECTIONS FOR USE:

MIXING INSTRUCTIONS:

1. Be sure sprayer is clean and not contaminated with any material.
2. Fill tank 3/4 full with clean water and start agitation.
3. Pour SLO-GRO slowly from bag into tank. Avoid dumping all contents at once.
4. Allow 2-3 minutes agitation for dissolving.
5. Add registered tank-mix if required.
6. Complete filling tank.
7. NOTE: SLO-GRO already contains a surfactant, hence the addition of further wetting agents or commercial spray adjuvants is not recommended.

INTRODUCTION:

SLO-GRO is a plant growth regulator. When applied to healthy growing plants, the active ingredient, maleic hydrazide, is

absorbed by the plant and will affect plant growth by stopping cell division, but not cell expansion. Through such action, SLO-GRO effectively limits the growth of grasses, trees and shrubs, when applied according to label directions. The effect of SLO-GRO is, however, temporary and the length of growth control obtained will be a function of rate, accuracy of application and crop conditions before, during and following time of application. Optimal results can only be obtained when SLO-GRO is applied to healthy plants which are free from damage from insects or disease and other forms of stress. These other forms of stress include items such as weeds, extremes (either high or low) of temperature, moisture, light intensity, or soil fertility either during the growing season and/or at the time of application. Applications of SLO-GRO to plants experiencing any such stress conditions may lead to a lack of efficacy and/or accentuate the symptoms of these conditions in the plant. All users are reminded of the necessity of reading the complete label carefully before using SLO-GRO and of taking particular note of the sections entitled CAUTIONS and USE RESTRICTIONS.

GRASS GROWTH CONTROL:

SLO-GRO can be used to substantially reduce mechanical mowing of various turf locations such as hard to mow areas along highways, airport property, industrial areas, golf course roughs and similar areas.

It can be used on all turf areas except:

1. on fine lawns where esthetic appearance is more important than reducing a maintenance chore, and
2. those areas under heavy foot traffic (such as golf course fairways and greens) where regrowth is needed to overcome physical injury to the grass. A treatment of SLO-GRO will inhibit seed head formation, and will slow down leaf growth. If the application is timed properly, no significant growth will occur for several weeks after treatment. As the effect gradually 'wears off' the turf may grow 15-30 cm in height by the end of the growing season. One or more mechanical mowings may be required if grass height must be kept under 15 cm.

TIMING: One application per year, either in the spring or fall, should be used.

SPRING: The two week period in the spring when the grass has first grown 5-10cm is ideal for applying SLO-GRO. This is normally the period when dandelion and forsythia are in full bloom. This application will curtail the normal spring flush of growth and eliminate the need to mow for several weeks. If time or weather does not permit early application, and grass is 15 cm

or higher, the product should be applied and the area mowed about 7 days later. This procedure helps to prevent 'stretching' of the seed head in the treated area. Under no conditions should grass be mown to a height of less than 7.5cm. If mowed below this level a scalped appearance of the retarded grass may occur.

FALL: SLO-GRO may also be applied late in the growing season to reduce grass growth the following spring. Treatment should be made while grass is still green but not dormant (usually during October). An additional benefit of the fall treatment is control the following spring of wild onion, garlic and biennial weeds such as dandelion and plantain. Since grass growth is inhibited the following spring, the areas will 'green-up' about two weeks later than untreated turf.

RATE: Apply 6.5-8.0 kg of SLO-GRO 60SG in 400 litres of water per hectare. Use higher rates in fall treatments and in very rough and hard to mow areas in the spring.

USE OF 2,4-D: 2,4-D should be used with SLO-GRO in most spring applications. A low volatile ester or amine salt formulation is compatible with SLO-GRO. Read 'MIXING INSTRUCTIONS' and follow dosage and precautionary information on the 2,4-D label. For weeds that have not emerged at time of SLO-GRO application, a separate, later spray of 2,4-D is recommended.

CAUTIONS:

1. Apply only to green vigorous grass, free of disease and insect damage.
2. Do not use if turf is wilted, or during periods of extended drought as absorption will be poor and results will be unsatisfactory.
3. Do not apply during the summer months as most permanent grasses become partially dormant during this period.
4. All turf areas to be treated should contain well established perennial grasses at least three years old.
5. If a healthy clipped appearance is required, the SLO-GRO application should be supplemented by mowing as even treated turf will eventually resume growth as the effect of SLO-GRO gradually 'wears off'.
6. Spraying on relatively calm days (wind velocity under 15 km/h) with equipment that will apply the product uniformly is essential for best results.
7. Turf to be treated must be free of leaf cover, clippings, or other debris which will prevent direct contact of the spray with the grass.
8. Do not treat pastures or pasture livestock in, or cut hay from, treated areas.
9. Do not use on home lawns except along edges.

10. At recommended application rates SLO-GRO should not normally affect the color of grass. However, under certain conditions of optimal absorption, color modification for a period of several weeks may be encountered. At times treated grass may appear a greener color than untreated.
11. See 'USE RESTRICTIONS' for further precautions.

TREE AND SHRUB GROWTH CONTROL:

SLO-GRO can be used to suppress excessive vegetative growth and reduce the need to mechanically prune or shear trees and/or shrubs.

RATE: Apply 9.25 kg of SLO-GRO in 100 litres of water. Spray this concentration to wet all surfaces of leaves and bark to the point of drip (not run off). Direct spray pattern towards area where growth inhibition is desired. For example, apply to the upper half of the tree if the top terminal growth is to be inhibited and growth will continue in the unsprayed sections.

TIMING: SLO-GRO should be used only once a year either in the spring or early summer. The spring treatment should be applied to green, vigorous, new growth. New leaves should be fully expanded. For a summer application, plants should first be pruned to the desired shape. At least 5-10cm of regrowth should then occur before treatment is applied to hide fresh cut ends of limbs and stems and prevent a barren appearance of the treated plant.

TREE SPECIES TREATED: Sycamore, willow, alder, poplar, oak, mulberry, black walnut, maple, sweet gum, elm and tamarack.

SHRUB SPECIES TREATED: Privet, pyracantha, myrtus, xylomas, viburnum, eugenia, pittosporium, cissus, Hahns Ivy, Algerian Ivy, honeysuckle, forsythia and ice plant.

CAUTIONS:

1. Do not spray on trees or shrubs when wind velocity exceeds 15 km/hour.
2. Tree and shrub growth control is best when SLO-GRO is applied to vigorous new growth.
3. To be effective it is essential that SLO-GRO be applied uniformly to the treated area.
4. See 'USE RESTRICTIONS' for further precautions.

USE RESTRICTIONS:

1. Do not apply to crops being grown for seed.
2. Even though SLO-GRO is non-volatile, care should be taken during application to prevent drift onto nearby crops. Do not spray when wind velocity exceeds 15 km/hr.
3. Best results are obtained when SLO-GRO is applied under slow

- drying conditions, ie. during early morning hours or all day on cloudy days.
4. SLO-GRO is water soluble and under high temperatures and low humidity conditions will crystallize on the leaf surface and not be absorbed into the plant. Do not apply if daily temperatures are expected to exceed 30C.
 5. Apply at least 24 hours before or after rain or applying overhead irrigation. Rain or overhead irrigation occurring within 24 hours will reduce effectiveness by affecting absorption into the plant. For optimum uptake, plants should not be under water stress (either too much or too little) before or after application of SLO-GRO.
 6. Equipment must be set up and calibrated to ensure an even uniform spray pattern is delivered to target crop.
 7. AERIAL APPLICATION: Aerial spraying is quite specialized hence qualified technical guidance should be obtained for each job. Employ a competent, reliable operator and become familiar with laws governing the application of pesticides. Do not use aerial sprays in areas where possible drift may contact another crop especially potatoes grown for seed. For aerial application exercise special care:
 - a) DO NOT FLY at heights of less than 3 - 4 metres. Maintaining this height will give more uniform coverage and aid in preventing an excessive buildup of chemical on the left side of the treated swath. These heights should be reduced only if cross-wind velocities exceed 3 - 6 km/hour.
 - b) Do not spray in winds exceeding 10 km/hour.
 - c) Do not spray in dead calm conditions near sensitive plants. The cloud of suspended droplets may drift onto sensitive plants when the wind comes up.
 - d) Spray only when wind is blowing away from a sensitive crop, shelter belt or garden.

SAFETY PRECAUTION: May cause eye irritation.

FIRST AID:

IF SWALLOWED: Give patient 1 or 2 glasses of water and cause vomiting by inserting a finger down the throat or use syrup of IPECAC according to label directions. Keep patient quiet. Seek medical attention immediately, taking this label information with you.

IF IN EYES: Wash immediately with running water for 15 minutes.

IF ON SKIN: Wash well with soap and warm water.

STORAGE AND DISPOSAL:

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

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For further information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

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

NOTICE TO BUYER: 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.

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