

95/2000

CLEAN CROP(R)

SIMAZINE 80W

HERBICIDE

COMMERCIAL

GUARANTEE:

Simazine	79%
Related actives.....	1%

REGISTRATION NO. 16049
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

NET: 10 kg

UNITED AGRI PRODUCTS
R.R. #2
Dorchester, Ontario
N0L 1G5

GENERAL DIRECTIONS

Weeds controlled - SIMAZINE 80W controls the following weeds:

1. Annual Broadleaves: Lady's Thumb, Lamb's-quarters, Purslane, Ragweed, Volunteer clovers, Wild Buckwheat, Smartweed.
2. Annual Grasses: Barnyard Grass, Crabgrass, Wild Oats, Yellow Foxtail.

SIMAZINE 80W will also control most perennial species starting freshly from seed.

3. Perennials - Broadleaf and Grass weeds at industrial rates for spot treatment or on non-crop land:

Quackgrass, burdock, Canada Thistle, orchardgrass, purple top, smooth brome, dog fennel, bull thistle, sow thistle.

MIXING: Mix by adding the recommended amount of powder to the spray tank while filling with clean water. Gentle agitation is required during mixing and spraying.

SPRAYING: Spray at pressures of 200 to 300 kPa. Use nozzle screens of 50 mesh size or larger. Keep SIMAZINE 80W mixture well agitated and spray evenly to cover the surface to be treated. After any break in the spraying operations, agitate thoroughly. After using, wash sprayer thoroughly with clean water. Use sufficient water for thorough coverage.

PRECAUTIONS: SIMAZINE 80W is a residual herbicide. Use the lower rates for coarse, sandy soil and the higher rates for clay soils and soil high in organic matter. After spraying with SIMAZINE 80W do not plant any crop in the treated area in the same year except corn. If rotation is planned for following year, observe these precautions:

1. Where rates in excess of 2.25 kg/ha have been applied, do not plant rotational crops within one year of application.
2. Thorough tillage, including ploughing the land flat as opposed to setting the furrow on edge, should precede the planting of any rotational crop.
3. Uneven, or application in excess of recommended rates of SIMAZINE 80W may result in injury to succeeding crops.
4. When extended periods of dry weather occur during the year of treatment there can be some injury to such succeeding crops as white beans, onions, peas, tomatoes and turnips. Injury is most likely to occur when the seeding crop is subjected to periods of stress, e.g., during periods of abnormally hot, dry weather. When the directions outlined on this label are followed, injury to these crops is unlikely to occur under normal weather conditions.
5. Where rainfall is sufficient to cause erosion, soil containing SIMAZINE 80W may wash to lower areas of land and injure existing or subsequent crops.

Additional Precautions for General Use:

1. Rainfall is required to move the chemical into the root zone of weeds.
2. If application is made pre-emergence, rainfall is required for activation. If there is no rainfall for a period of time, a light cultivation may be required to control the first flush weeds.
3. Apply in spring before weed emergence unless specific crop directions differ.
4. Do not apply when ground is frozen or covered with snow.

See other cautions for specific crops.

SPECIFIC CROPS

APPLES AND PEARS: Bearing and non-bearing - Trees established one year or more.

Apply 2.75 - 5.50 kg/ha in 300 L of water per hectare prior to weed emergence in the spring.

APPLES, PEACHES AND APRICOTS: Apply 1.25-2.5 kg in 300 L of water per ha. Trees established less than one year. Apply once per season. Avoid contact with trunk and leaves of trees. Do not use on sandy soils with organic matter less than 2%. Apply post planting, pre-emergent to weeds, preferably after rain has settled the soil around the trees. Backpack sprayer or tractor mounted boom.

Tank mix with DUAL 960E.:

Fruit trees (first-year/nonbearing): APPLES, APRICOT, CHERRY, PEACH, PEAR, PLUM: Apply SIMAZINE 80W 1.25-2.5 kg/ha plus DUAL 960E: 2.0-2.75 L/ha in 300 L of water/ha. Annual Grasses and Broadleaf Weeds. Apply once per season. Avoid contact with trunk and leaves of trees. Do not use on sandy soils with organic matter less than 2%. Apply post planting, pre-emergent to weeds, preferably after rain has settled the soil around the trees. Backpack sprayer or tractor mounted boom may be used for application. Late season emerging fall panicum and crabgrass may escape treatment.

LOWBUSH BLUEBERRIES: Apply 1.7 - 2.25 kg in 300 L of water per ha. Plantings established one year or more. Apply in late fall to early spring when blueberries are dormant. One broadcast application per season. Use low rate on coarse textured soil. Do not harvest within 60 days of treatment.

LOGANBERRY: Established plantings only. Apply 4.25 - 6.75 kg/ha in 300 L of water per hectare as directed spray at base of canes in early spring prior to new cane growth.

RASPBERRIES (RED): For use on established plantings only. Apply 2.25 - 2.75 kg/ha in 300 L of water per hectare as a directed spray at base of young shoots in early spring. Do not get spray on young shoots.

GRAPES (Eastern Canada only): For use only for vineyards established 3 years or more. Broadcast 4.5 - 5.5 kg/ha in 300 L of water per hectare in fall or early spring prior to weed emergence. On light soils, use 3.25 kg/ha.

ASPARAGUS: Established plantings only. Apply 2.75 - 4.25 kg/ha in 300 L of water per hectare, after discing in spring prior to weed and spear emergence and at least 7 days before first cutting. A second application may be applied after harvest completion after weeds are removed. Do not apply during cutting season.

NURSERY CONTAINER STOCK - Cedar, Juniper, Yew: Apply 2.80 kg in 300 L water/ha. Apply once per season, one month after planting. Apply prior to weed emergence. If weeds have emerged, remove them from container before application.

WOODY ORNAMENTALS AND NURSERY STOCK: Transplants established one year or more.

To control germinating weeds in:

Apple (non-bearing)
Arborvitae (Thuja spp.)
Barberry
Black Walnut
Blue Spruce
Boxwood
Cedar
Chamaecyparis
Cotoneaster
Dogwood
Hemlock
Holly
Juniper
Flowering Crabapples (Malus spp.)
Mugho Pine
Multiflora Rose
Norway Spruce

Peony
 Red Spruce
 Rose
 White Ash
 White Spruce
 Yews (Taxus spp.)

Apply 2.75 - 4.25 kg/ha in 300 L of water per hectare in the fall or spring prior to weed emergence. If weeds have emerged, hoe and cultivate before application. Apply with an efficient sprayer to obtain an even cover on the surface to be treated. Apply before buds break in the spring.

Note: Do not use treated areas for nursery seed beds or cutting beds for at least 12 months after treatment. If rate were used in excess of those recommended, due to uneven application, a longer period should elapse before such use.

SHELTER BELTS: Established one year or more:

American Elm
 Caragana
 Green Ash
 Maple
 Siberian Elm

Apply 5.5 - 8.25 kg/ha in 500 L of water per hectare before weeds emerge. Apply in fall or early spring. Injury may occur to trees grown in saline soils.

CHRISTMAS TREE AND WOODLAND PLANTATIONS: (less than 500 ha):
 New or established plantings of white pine and balsam fir (2 year stock or older).

Rate (kg/ha) SIMAZINE 80W required:

Row Spacing	60 cm Band	90 cm Band
1.8 m	1.75 - 2.75	2.75 - 4.00
1.5 m	2.25 - 3.25	3.25 - 5.25
1.2 m	2.75 - 4.00	4.00 - 6.00

Apply 5.5 - 8.25 kg/ha in 300 L of water per hectare of ground treated. Apply in a band centered over the rows. Application may be made directly over trees. Apply in spring prior to the

start of weed growth or in fall prior to freeze-up. The fall application will provide control for the following spring. If weeds have emerged, control of vegetation will be delayed and treatment may be unsatisfactory. Apply with an efficient sprayer to obtain an even cover of the surface to be treated.

Note: Use the higher rate where there are heavy infestations of perennial grasses, e.g., Quackgrass, as well as on clay soils high in organic matter.

SITE PREPARATION FOR CONIFER PLANTING (LESS THAN 500 ha.)
SPRUCE, FIR, PINE SEEDLINGS (To control Broadleaf weeds and annual grasses): Apply 4.4 kg in 500 L of water per hectare.
Site preparation for planting. One application mid-April to mid-May. Planting may follow within a few days. Backpack sprayer: Apply 4.4 kg/ha of treated band area. Tractor boom/Boomless sprayer: Apply 4.4 kg/ha.

BIRDSFOOT TREFOIL: In established fields only for hay, pasture and seed production. To prevent fall germinating broadleaf weeds, grass and legume seedlings.

Apply only in September to November, prior to freeze up. Use 1.5 kg/ha in 300 L of water per hectare. Weeds will be controlled in the season following treatment. Do not overlap. May be applied in the fall of the year of seeding if the trefoil population is at least 55 plants per square metre and if plants are at least 15 cm high.

Do not graze for 30 days or cut for hay within 60 days of application. Do not treat the same field with SIMAZINE 80W for more than 3 consecutive years. Do not plant sugar beets on land treated the previous year. Do not apply paraquat within one year after the SIMAZINE 80W application.

CORN (FIELD & SWEET):

Soil Preparation: As SIMAZINE 80W is a residual herbicide, even coverage of the soil surface is essential for good weed control. SIMAZINE 80W should be applied to a firm, level seedbed. If the seedbed is rough, loose or cloddy, it must be rolled or cultipacked before spraying, in order to obtain a level, compact surface.

Cultivations: SIMAZINE 80W requires rainfall to be activated. If some seedlings escape the treatment in dry weather, a shallow cultivation at lay-by (when corn is 30 - 45 cm tall), may be necessary.

Time of Application: Apply SIMAZINE 80W immediately after seeding, prior to weed emergence and not later than 3 to 4 days after seeding. SIMAZINE 80W may also be applied during the week before seeding and incorporated into the soil by discing to a depth of 3 cm.

Mixing Instructions: Follow mixing instructions with water as outlined previously.

Application Rate:

Soil Type	Overall Spray
Light and Sandy	2 kg/ha
Loams and Clays	2.75 kg/ha

Note: Where grass weeds predominate or an unusually heavy infestation of broadleaf weeds is expected, use the 2.75 kg/ha rate.

NON-CROP LAND (AGRICULTURAL AND INDUSTRIAL USE):

Apply 14 - 27 kg/ha in 250 - 2000 L of water per hectare or 150 - 250 g/100² m in 2.5 - 25 L of water.

For annual weeds and perennial seedlings, use the lower rate.

For light growth of shallow-rooted perennials, use the intermediate rate. For well-established perennials use the higher rate. In Eastern Canada, a fall application of the intermediate rate will adequately control all weeds. Apply with an efficient sprayer to obtain an even cover of the land to be treated. Use the higher volumes of water where old vegetation is dense or obstructions frequent. Rainfall is required to move the chemical into the root zone.

COASTAL BRITISH COLUMBIA: Apply January to March to control annual and perennial weeds.

PRAIRIES, INTERIOR BRITISH COLUMBIA AND THE LAKEHEAD AREA:
Apply August to freezeup to control perennial weeds.

ONTARIO, QUEBEC: Apply mid-September until freeze-up, or from spring thaw to May to control perennial weeds. Apply from spring thaw to end of June to control annual weeds.

MARITIMES: Apply from October to freeze-up, or from spring thaw to end of June to control annual weeds.

When soil moisture is plentiful, spring treatments in Eastern Canada can be extended for a further month. Some weeds such as horsetail, milkweed and sedges may require more than one treatment to give effective control. Higher than normal doses may be required on cinders and surfaces rich in organic matter.

Note: Foaming (due to excessive agitation) may be eliminated by the addition of kerosene, diesel fuel, fuel oil, or other similar materials at about 60 mL/100 L of spray. More may be required in very low volume spraying.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, and clothing. No residue tolerance established for fish. Do not contaminate any body of water. Do not contaminate foods or feeds. After using, wash sprayer thoroughly with clean water.

FIRST AID

IF INHALED, move to an area with fresh air, clean up and rest.

IF SWALLOWED, immediately give large quantities of water and induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention.

IF IN EYES, flush with large amounts of clean water for at least 15 minutes. Obtain medical attention.

IF ON SKIN, remove contaminated clothing immediately. Wash skin thoroughly with soap and water. If irritation occurs obtain medical attention.

DISPOSAL

1. Follow provincial instructions for any required additional cleaning of the container prior to its

- disposal.
2. Make the empty container unsuitable for further use.
 3. Dispose of the container in accordance with provincial requirements.
 4. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Environmental 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 offence 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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