

September 17, 1984

DRAFT LABEL

PRONONE 5G

GRANULAR HERBICIDE

ACTIVE INGREDIENT: HEXAZINONE (3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione).....5.0%

INERT INGREDIENTS.....

U. S. Pats. 3,902,887 & 3,983,116

ACCEPTED
OCT 15 1984
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 33560-40
EPA REG. NO. 33560-40
ANIMALS

KEEP OUT OF REACH OF CHILDREN -

PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS: Do not apply directly to any body of water.

Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

NOTICE OF WARRANTY: PRO-SERVE warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with direction under normal use conditions. It is impossible to eliminate all risk inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of PRO-SERVE, Inc. In no case, shall PRO-SERVE be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by Buyer. PRO-SERVE MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS for a particular purpose nor any other express or implied warranties except as stated above.

EPA Est. No. 33560-TN-1

EPA Reg. No. 33560-40

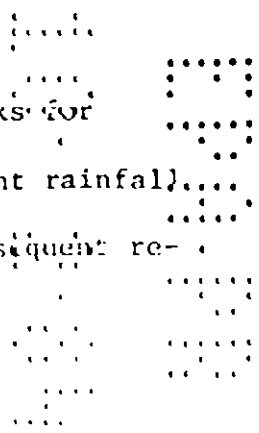
50 POUNDS NET WEIGHT

✓ **IMPORTANT:** Injury to or loss of desirable trees or other plants may result from failure to observe the following. Do not apply or empty equipment near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT use on lawns, walks, driveways, tennis courts or similar areas. Prevent contact with desirable plants. Keep from contact with fertilizers, insecticides, fungicides and seeds.

Thoroughly clean all traces of PRONONE 5G Granular Herbicide from application equipment immediately after use. Wash equipment thoroughly with water.

✓ **GENERAL INFORMATION:** PRONONE 5G Granular Herbicide is a special granular product to be distributed in a broadcast pattern on the soil surface, or applied by hand to individual plant stems, in non-cropland areas for control of undesirable woody and herbaceous plants. Rainfall dissolves the chemical (hexazinone) from the granules and moves the herbicide into the root zone where it is absorbed during periods of active plant growth.

Symptoms of herbicidal activity generally appear within 3 to 4 weeks for herbaceous plants and 4 to 8 weeks for woody plants after sufficient rainfall has carried the herbicide into the root zone. Defoliation and subsequent re-foliation may occur, but susceptible plants are killed.



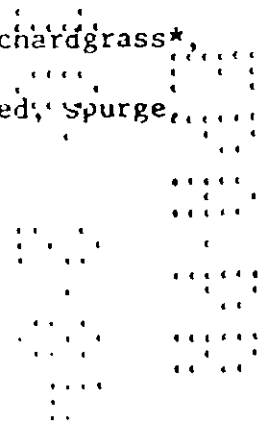
✓ GENERAL WEED CONTROL - Non-Cropland Area: Railroad, Highway, Utility and Pipeline Right-of-Ways, Petroleum Tank Farms, Storage Areas, Industrial Plant Sites, Drainage Ditchbanks and other similar areas.

Use the higher level of the recommended dosage ranges under the following conditions: on hard-to-kill species; on fine-textured soils (clay, clay loam); on soils containing more than 5% organic matter or carbon; and, on coarse-textured soils (sand, loamy sand, gravelly soils) where rainfall exceeds 40 inches per year. Use the lower levels of the dosage range if the growing season is short.

(✓ Apply 120-240 lbs. per acre for season-long control of many annual, biennial and perennial weeds including bahiagrass*, bermudagrass*, bluegrass, broomsedge, camphorweed, Canada thistle*, thistle*, chickweed, clovers, dewberry, dogfennel, fescue*, fingergrass, foxtail, guineagrass, heath aster, honeysuckle, lantana, marehail*, natalgrass, plaintain, prickly lettuce, ragweed, smutgrass, spanish needle, vaseygrass, wild blackberry*, and wild carrot.

✓ For short-term control (up to 3 months) of the above weeds, apply 60-100 lbs. per acre. Application at 60-100 lbs. per acre also provides short-term control of many annual, biennial and perennial weeds including barnyardgrass, bindweed*, bouncing bet*, bromegrass, buffelgrass*, burdock, cocklebur, crabgrass, crown vetch, curly dock*, dandelion*, dogbane*, fiddleneck, filaree, fleabane, goats-beard vine, goldenrod, lespedeza, milkweed*, mustard, nutsedge*, orchardgrass*, oxalis, paragrass, pigweed, purslane, quackgrass, ryegrass, smartweed, spurge, trumpet creeper*, wild oats, wild parsnip and wild star thistle.

* Considered hard-to-kill.



PRO-SERVE

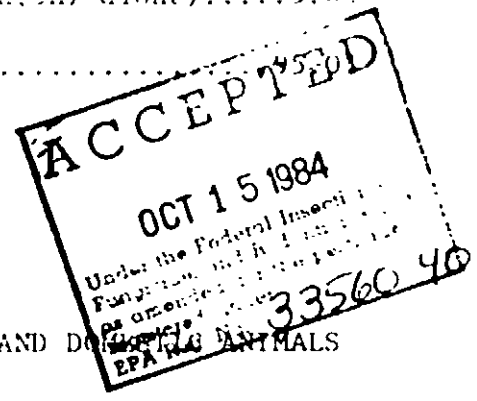
FRONT LABEL

GRANULAR HERBICIDE

ACTIVE INGREDIENTS: HEXACHLORO (3-cyclohexyl-6-(dimethylamino)-1-methyl-1,2,4-triazine-2,4(1H,3H)-dione)..... 5.0%

INERT INGREDIENTS.....

Net Wt. 25, 50, 100, 250, 500, 116



KEEP OUT OF REACH OF CHILDREN -

PRECAUTIONARY STATEMENT HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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EPA Est. No. 33560-TN-1

EPA Reg. No. 33560-40

50 POUNDS NET WEIGHT

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Symptoms of herbicidal activity generally appear within 3 to 4 weeks for herbaceous plants and 4 to 8 weeks for woody plants after sufficient rainfall has carried the herbicide into the root zone. Defoliation and subsequent re-foliation may occur, but susceptible plants are killed.

✓ GENERAL WEED CONTROL - Non-Cropland Area: Railroad, Highway, Utility and Pipeline Right-of-Ways, Petroleum Tank Farms, Storage Areas, Industrial Plant Sites, Drainage Ditchbanks and other similar areas.

Use the higher level of the recommended dosage ranges under the following conditions: on hard-to-kill species; on fine-textured soils (clay, clay loam); on soils containing more than 5% organic matter or carbon; and, on coarse-textured soils (sand, loamy sand, gravelly soils) where rainfall exceeds 40 inches per year. Use the lower levels of the dosage range if the growing season is short.

(✓ Apply 120-240 lbs. per acre for season-long control of many annual, biennial and perennial weeds including bahiagrass*, bermudagrass*, bluegrass, broomsedge, camphorweed, Canada thistle*, thistle*, chickweed, clovers, dewberry, dogfennel, fescue*, fingergrass, foxtail, guineagrass, heath aster, honeysuckle, lantana, marestartail*, natalgrass, plaintain, prickly lettuce, ragweed, smutgrass, spanish needle, vaseygrass, wild blackberry*, and wild carrot.

✓ For short-term control (up to 3 months) of the above weeds, apply 60-100 lbs. per acre. Application at 60-100 lbs. per acre also provides short-term control of many annual, biennial and perennial weeds including barnyardgrass, bindweed*, bouncing bet*, bromegrass, buffelgrass*, burdock, cocklebur, crabgrass, crown vetch, curly dock*, dandelion*, dogbane*, fiddleneck, filaree, fleabane, goats-beard vine, goldenrod, lespedeza, milkweed*, mustard, nutsedge*, orchardgrass*, oxalis, paragrass, pigweed, purslane, quackgrass, ryegrass, smartweed, spurge, trumpet creeper*, wild oats, wild parsnip and wild star thistle.

* Considered hard-to-kill.

For small areas, 2 lb. of PRONONE 5G per 250 square ft. is approximately 175 lbs per acre

✓ Brush Control: Apply 80-100 lbs. per acre, to soil during the period between late winter and early summer for control of blackgum, black cherry, elm, flowering dogwood, green ash, hawthorn, hickory oaks, persimmon, sumac, sweet gum and willow.

✓ Individual Stem Treatment: Apply at a rate of 1-1½ oz. for each 1" of stem diameter at breast height. Direct the treatment to the soil within 3 ft. of root collar of woody plants to be controlled. When treating large stems, application should be distributed on opposite sides of the stem.

FOR CONTROL OF CERTAIN WEEDS AND BRUSH SPECIES FOR FORESTRY SITE PREPARATION AND CONIFER RELEASE.



PRONONE 5G is recommended for forestry site preparation and conifer release in areas of greater than 20 inches of annual rainfall east of the Rocky Mountains where loblolly, longleaf, red, shortleaf, slash and Virginia pines are grown. PRONONE 5G is also recommended for site preparation where white spruce will be planted.

✓ When used as directed, PRONONE 5G controls herbaceous weeds such as annual bluegrass, barnyard grass, bent grass, brome grass, catsear, common groundsel, common ragweed, false-dandelion, fleabane, foxtail, oxeye daisy, Pennsylvania smartweed, velvet-grass, and wild carrot. Treatment provides partial control of curly dock, dandelion, willowweed (fireweed), rescue, goldenrod, horseweed, honeysuckle, orchardgrass, quackgrass, and ryegrass.

PRONONE 5G, when used as directed, also controls many woody plants including American elder ^{alder} ashes (white, green), aspens (big tooth, trembling), balsam poplar, birch, blackcherry, blackgum, boxelder**, brambles (such as blackberry, dewberry, raspberry), cherry*, chokeberry, dogwood* (flowering).

#352-392
accepted 8/12/82
noncrop →

HOW TO USE

Apply the granules by appropriate ground, air or hand operated equipment. Calibrate the equipment to distribute the granular uniformly over the area to be treated. Wear gloves when handling granules to prevent contact with skin.

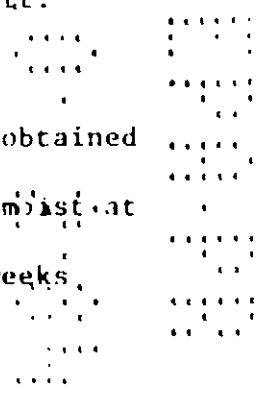
HERBACEOUS WEED CONTROL

When used as directed, PRONONE 10G controls weeds such as annual bluegrass, barnyardgrass, bromegrass, false dandelion (catsear) fleabane, common groundsel, foxtail, oxeye daisy, velvet grass and wild carrot. Treatment provides partial control of dandelion, fescue, goldenrod, heath aster, orchardgrass, ryegrass, smartweed, willowweed (fireweed).

Application Rates: Apply as a pre-plant or post-plant broadcast application at rates of 10-20 lbs. per acre. Use the lower rates on coarse-textured soils and soils low in organic matter; use the higher rates on fine-textured soils and soils high in organic matter. Refer to "Use Limitations" section for specific details.

For band applications, use proportionately less; for example, use 1/2 the broadcast rate when treating a 3 ft. band where row spacing is 6 ft.

Moisture is necessary to activate PRONONE 10G. Best results are obtained when weeds are less than 2 inches in height or diameter, soil is moist at time of application and 1/2 to 1 inch of rainfall occurs within 2 weeks after application.



TIMING:

✓
West of Cascades (and other areas of high spring rainfall): For best results, apply in the spring when weeds are actively growing.

✓
East of Cascades (and other areas of low spring rainfall): For best results, apply in the fall before soil freezes or in the spring in anticipation of rainfall. Weed control results from spring applications will be dependent on sufficient rainfall following treatment to activate PRONONE 5G. Spring applications should be made after snow cover melts.

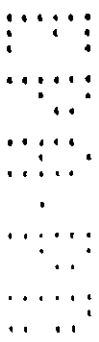
BRUSH CONTROL

✓
Among the brush species controlled are: Deerbrush ceonothus, squawcarpet, snowbrush ceonothus (varnishleaf ceonothus) and greenleaf manzanita.

(
Application Rates: Use PRONONE 5G for brush control in forestry site preparation and conifer release where either Ponderosa Pine or Jeffrey Pine is the primary coniferous species. Apply PRONONE 5G at rates of 30-60 lbs. per acre. Use the lower rates on coarse-textured soils and soils low in organic matter; use the higher rates on fine-textured soils high in organic matter.

*352-397
8/15/83

✓
For best results, application should be made to brush seedlings or sprouts when less than 18 inches in height or diameter. Applications.



may be made in the fall before the soil freezes or in the spring. Fall applications generally provide better results.

PRONONE 5G effects may be slow to appear and maximum results will be seen 12-24 months following the application.

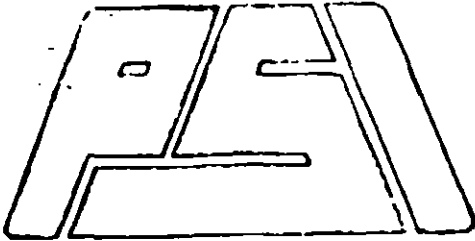
USE LIMITATIONS:

- ✓ 1. Do not use on gravelly or rocky soils, exposed subsoils, clay knobs, sand or sandy soils with 85% or more sand.
- (✓ 2. Do not use on any soil containing less than 1% organic matter.
- ✓ 3. On soils high in organic matter (greater than 5%) effectiveness of PRONONE 5G is reduced and results may be unsatisfactory.
- ✓ 4. Do not use on loamy sand or sandy loam with less than 2% organic matter (except for Ponderosa and Jeffrey Pine).
- ✓ 5. On first year plantations, apply PRONONE 5G (either pre-plant or post-plant) to transplant stock that is 2 years (2-0) or more, (1 year old (1-0) for Ponderosa Pine and Jeffrey Pine).
- (✓ 6. When applying PRONONE 5G after transplanting, wait until rainfall has settled the soil around the base of the transplants before making the treatment.

IMPORTANT

BEFORE USING PRONONE 5G READ CAREFULLY, OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

THIS BULLETIN CONTAINS NEW OR SUPPLEMENTAL INSTRUCTIONS FOR USE OF THIS PRODUCT WHICH MAY NOT APPEAR ON PACKAGE LABEL. FOLLOW THE INSTRUCTIONS CAREFULLY.



PRO-SERVE, INC.
400 EAST BROOKS ROAD
MEMPHIS, TN 38116

SUPPLEMENTAL LABELING
EPA REG. NO. 33560-40

PRONONE 5G GRANULAR HERBICIDE
FOR CONTROL OF CERTAIN WEEDS AND BRUSH SPECIES FOR
FORESTRY SITE PREPARATION & CONIFER RELEASE

ACCEPTED
OCT 15 1984
EPA REG. NO. 33560-40

DIRECTIONS FOR USE

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

PRO-SERVE PRONONE 5G is recommended for control of certain weeds and brush
species in forestry site preparation and conifer release operations where Douglas
Fir, Grand Fir, Noble Fir, White Fir, Ponderosa Pine, Jeffrey Pine and Sitka
Spruce are grown.

352-392
Accepted 8/15/83

Since the effect of PRONONE 5G on conifers varies with soils, uniformity of
application and environmental conditions, it is suggested that foresters limit
their first use to small areas.

NOTE: Be ause injury to conifers may result: Do not use PRONONE 5G in nurseries,
seedbeds or ornamental plantings; do not use on trees which show poor vigor
because of insect, disease or winter injury, or show symptoms of other stress
conditions.

Do not use on poorly drained soils. Conifer injury may result where severe
winter stress, disease or insect damage follows application, or if heavy
rains occur soon after application.

HOW TO USE

Apply the granules with a granular spreader, air-blasted or hand-operated equipment. Calibrate the equipment to distribute the granular uniformly over the area to be treated. Wear gloves when handling granules to prevent contact with skin.

HERBACIOUS WEED CONTROL

When used as directed, PRONONE 10G controls weeds such as annual bluegrass, barnyardgrass, bromegrass, false dandelion (catsear) fleabane, common groundsel, foxtail, oxeye daisy, velvet grass and wild carrot. Treatment provides partial control of dandelion, rescue, goldenrod, heath aster, orchardgrass, ryegrass, smartweed, willowweed (fireweed).

Application Rates: Apply as a pre-plant or post-plant broadcast application at rates of 10-20 lbs. per acre. Use the lower rates on coarse-textured soils and soils low in organic matter; use the higher rates on fine-textured soils and soils high in organic matter. Refer to "Use Limitations" section for specific details.

For band applications, use proportionately less; for example, use $\frac{1}{2}$ the broadcast rate when treating a 3 ft. band where row spacing is 6 ft.

Moisture is necessary to activate PRONONE 10G. Best results are obtained when weeds are less than 2 inches in height or diameter, soil is moist at time of application and $\frac{1}{2}$ to 1 inch of rainfall occurs within 2 weeks after application.

TIMING:

West of Cascades (and other areas of high spring rainfall): For best results, apply in the spring when weeds are actively growing.

East of Cascades (and other areas of low spring rainfall): For best results, apply in the fall before soil freezes or in the spring in anticipation of rainfall. Weed control results from spring application will be dependent on sufficient rainfall following treatment to activate PRONONE 5G. Spring applications should be made after snow cover melts.

BRUSH CONTROL

Among the brush species controlled are: Deerbrush ceonothus, squawcarpet, snowbrush ceonothus (varnishleaf ceonothus) and greenleaf manzanita.

Application Rates: Use PRONONE 5G for brush control in forestry site preparation and control release where brush is a major component.

*352 397
8/15/83

Pine is the primary coniferous species. Apply PRONONE 5G at rates of 30-60 lbs. per acre. Use the lower rates on coarse-textured soils and soils low in organic matter; use the higher rates on fine-textured soils high in organic matter.

For best results, application should be made to brush seedlings or sprouts when less than 18 inches in height or diameter. Applications

may be made in the fall before the soil freezes or in the spring. Fall applications generally provide better results.

PRONONE 5G effects may be slow to appear and maximum results will be seen 12-24 months following the application.

USE LIMITATIONS:

- ✓ 1. Do not use on gravelly or rocky soils, exposed subsoils, clay knobs, sand or sandy soils with 85% or more sand.
- (✓ 2. Do not use on any soil containing less than 1% organic matter.
- ✓ 3. On soils high in organic matter (greater than 5%) effectiveness of PRONONE 5G is reduced and results may be unsatisfactory.
- ✓ 4. Do not use on loamy sand or sandy loam with less than 2% organic matter (except for Ponderosa and Jeffrey Pine).
- ✓ 5. On first year plantings, apply PRONONE 5G (either pre-plant or post-plant) to transplant stock that is 2 years (2-0) or more, (1 year old (1-0) for Ponderosa Pine and Jeffrey Pine).
- (✓ 6. When applying PRONONE 5G after transplanting, wait until rainfall has treatment.

IMPORTANT

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