

(Box)

Princep® 4G

Granular Herbicide

50 Pounds
Net Weight

ACCEPTED
SEP 6 1983
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 100-435

Active Ingredient:

Simazine: 2-chloro-4,6-bis(ethylamino)-s-triazine	48
Inert Ingredients:	968
Total:	1008

EPA Reg. No. 100-435

Control No. 06130

CIBA-GEIGY

Keep Out of Reach of Children

Caution

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

/Continued ... 2

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First Aid: If in eyes, flush with plenty of water. Get medical attention if irritation persists. If on skin, wash with plenty of soap and water. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth; get medical attention.

Environmental Hazards

Do not contaminate domestic, livestock, or irrigation water supplies or lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

For complete directions for use, see booklet inside container.

Store in a dry place.

EPA Est. 100-AL-1

CGA 6L13T

August 25, 1983

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Permanent Label

(Booklet)

Princep® 4G

Granular Herbicide

For weed control in certain
crops, ornamental plantings,
on industrial sites, and
around-the-farm

Active Ingredient:

Simazine: 2-chloro-4,6-bis(ethylamino)-s-
triazine 48

Inert Ingredients: 968

Total: 1008

Princep 4G is a
granular herbicide

Keep Out of Reach of Children.

Caution

See additional precautionary statements
at end of label booklet.

See directions for use inside booklet.

EPA Reg. No. 100-435

50 Pounds
Net Weight

CIBA-GEIGY

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DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, 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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

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Directions for Use

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

FAILURE TO FOLLOW PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.

General Information

Apply Princep 4G herbicide before weeds emerge or following removal of weed growth. Princep controls a wide variety of annual broadleaf and grass weeds when used at selective rates in agricultural crops and ornamental plantings. When used at higher, nonselective rates in noncrop areas, it also controls many perennial broadleaf and grass weeds.

Since Princep enters weeds mainly through their roots, moisture is needed to move it into the root zone. Very dry soil conditions and lack of rainfall following application may necessitate shallow cultivation.

Princep 4G is noncorrosive to equipment, nonflammable, and has low electrical conductivity.

Annual Weeds Controlled

- | | |
|--------------------------------------|---|
| ✓ annual bluegrass | ✓ junglerice |
| ✓ annual morningglory | ✓ knawel (German moss) |
| ✓ annual ryegrass | ✓ common lambsquarters |
| ✓ barnyardgrass (watergrass) | ✓ nightshade |
| ✓ burclover | ✓ pepperweed |
| ✓ carelessweed | ✓ pigweed |
| ✓ chickweed | ✓ pineappleweed |
| ✓ common chickweed | ✓ prickly lettuce |
| ✓ crabgrass (<i>Digitaria</i> spp.) | ✓ common purslane |
| ✓ downy brome (cheatgrass) | ✓ quackgrass |
| ✓ fall panicum | ✓ ragweed |
| ✓ fiddleneck | ✓ rattail fescue |
| ✓ filaree | ✓ redmaids |
| ✓ fireweed | ✓ Russian thistle |
| ✓ fivehook bassia | ✓ shepherdspurse |
| ✓ Flora's paintbrush | ✓ signalgrass (<i>Brachiaria</i> spp.) |
| | ✓ silver hairgrass |

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\ Florida pusley
\ foxtails
\ goosegrass
\ groundsel
\ henbit

\ smartweed
\ spanishneedles
\ speedwell
\ tansymustard
\ wild mustard
\ wild oats
\ witchgrass
\ yellow flower pepperweed

Following many years of continuous use of this product and chemically related products, biotypes of some of the weeds listed on this label have been reported which cannot be effectively controlled by this and related herbicides. Where this is known or suspected and weeds controlled by this product are expected to be present along with resistant biotypes, we recommend the use of this product in sequential combination with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide. Consult with your State Agricultural Extension Service for specific recommendations.

Selective Weed Control

Where a range of dosage rates is given, use the low rate on coarser textured soil and soil lower in organic matter; use the high rate on finer textured soil and soil higher in organic matter. For band applications, reduce the rate of Princep 4G in proportion to the area treated. For example: when applying a 2-foot band to a crop planted in rows 6 feet apart, apply one-third the recommended rate of Princep 4G per acre of field.

Distribute Princep 4G uniformly over the soil surface by means of a cyclone-type spreader or other suitable application equipment. For treatment of small areas, application by hand may be adequate.

After treatment with Princep 4G, do not plant any crop other than those specified on this label until the following year or injury may occur. Do not rotate with oats, sugar beets, or vegetables.

Fruit Crops

Blueberries

Apply 50-100 lbs. per acre in the spring before bud break and weed emergence, or apply a split application of 50 lbs. per acre in the spring before bud break and weed emergence, and 50 lbs. per acre in the fall. On plantings less than 6 months old, use 1/2 the above rate.

To control quackgrass, apply 100 lbs. per acre in the fall or split the application, applying 50 lbs. per acre in the fall and 50 lbs. per acre in the early spring, when quackgrass is actively growing and before bud break.

Note: Do not apply when fruit is present.

Caneberries; i.e., blackberries, boysenberries, loganberries, raspberries

Apply 50-100 lbs. per acre in the spring before bud break and weed emergence. On plantings less than 6 months old, use 1/2 the above rate.

To control quackgrass, apply 100 lbs. per acre in the fall or split the application, applying 50 lbs. per acre in the fall and 50 lbs. per acre in the early spring when quackgrass is actively growing.

Note: Do not apply when fruit is present.

Cranberries

Massachusetts. Apply up to 100 lbs. per acre either in the spring before cranberry growth or in the fall after harvest.

Other areas: Apply 50 lbs. per acre in the spring before new cranberry growth.

Grapefruit and Oranges

Florida: Apply 160-240 lbs. per acre in the spring (March or April) prior to weed emergence. Repeat annually.

Texas: Apply 100-125 lbs. per acre in the spring prior to weed emergence. Repeat annually.

U.S. DEPARTMENT OF AGRICULTURE

Precautions: 1) Do not use in nurseries. 2) Do not apply to bedded citrus. 3) Use only where trees have been established in the grove for one year or more. 4) Do not apply to trees under stress from freeze damage for one year after the freeze to avoid possible injury. 5) Avoid contact with fruit, foliage, and stems.

Nurseries, Christmas Tree Plantings, Shelterbelts

Nurseries (see list below)

Apply 50-75 lbs. per acre in fall or spring at least one year after transplanting.

Christmas Tree Plantings and Shelterbelts (see list below)

Remove weed growth before application. Apply 50-100 lbs. per acre after transplanting. Use the same rate for annual maintenance applications.

For quackgrass control, apply 100 lbs. per acre in the fall or apply a split application of 50 lbs. per acre in the fall plus 50 lbs. per acre in early spring, after quackgrass begins growth.

Precautions: 1) Do not use Princep 4G on seedbeds or cutting beds. 2) In CA, OR, and WA, do not apply to Christmas trees or shelterbelts sooner than one year after transplanting. In other areas, do not apply to Christmas tree or shelterbelt transplants less than three years of age. 3) Do not apply more than once a year, except as directed for quackgrass control.

Apply Princep 4G to these species of trees and shrubs, as recommended above:

Conifers

arborvitae
Austrian pine
*Bishop pine
*knobcone pine
lodgepole pine (shore pine)
*Monterey pine
Mugho pine
red pine (Norway pine)
Scotch pine
white pine
blue spruce
Norway spruce
red spruce
white spruce
balsam fir
Douglas fir
Praser fir
white fir
hemlock
juniper
red cedar
white cedar
yew (Taxus spp.)

Deciduous Trees and
Woody Ornamentals

American elm
Siberian elm
barberry
boxelder
bush honeysuckle
caragana
cotoneaster
dogwood
eucalyptus
holly (Ilex spp.)
(max. 80 lbs./A)
honey locust
Oregon grape (Mahonia spp.)
Pieris spp. (max. 80 lbs./A)
red oak
Russian olive
*oleander
*palm (50 lbs./A)
*bottle brush
*carob

*For California only

Tree Seedlings in North Central U.S.

Broadcast 50-100 lbs. per acre before or after transplanting tree species listed below, but before weeds emerge or following removal of weed growth. Do not use on seed nurseries or injury may occur. Apply only once per year. For band or spot treatments use a proportional amount of herbicide. Use on the following species of trees:

American beech
balsam fir
black locust
black walnut
caranga
dogwood
eastern red cedar
honey locust
maple
Norway spruce
pecan

red oak
red pine (Norway pine)
red spruce
Russian olive
Scotch pine
sweetgum
white ash
white cedar
white oak
white pine
white spruce

Turfgrass for Fairways, Lawns, and Similar Areas

Bermudagrass, Centipedegrass, St. Augustinograss, and Zoysia Grass

Apply Princep 4G after October 1 before emergence of winter annual weeds for control of annual bluegrass, burclover, carpet burweed, chickweed, corn speedwell, henbit, hop clover, and spurweed. Princep 4G will control annual bluegrass even if it is emerged at time of treatment. For control of summer annual weeds listed in the General Information section of this label, also apply Princep 4G in late winter before the weeds emerge.

Where annual bluegrass is the major weed, use 25 lbs. of Princep 4G per acre (9 oz. per 1,000 sq. ft.). Use 50 lbs. per acre (18 oz. per 1,000 sq. ft.) for control of the other weeds named above. Do not exceed 25 lbs. per acre per treatment on newly sprigged turfgrass or on hybrid bermudagrass such as Tiflawn, Tifway, and Ormond.

For continued summer annual weed control, apply another 25 lbs. per acre at least 30 days after the previous application, but not after April 15. However, do not make more than two applications of this product per year.

Precautions: To avoid injury, use only on turfgrass reasonably free of infestations of insects, nematodes, and diseases. Do not use on golf greens. Do not use north of North Carolina or west of the high rainfall areas of eastern Oklahoma and eastern Texas. Do not use on muck or alkaline soils. Do not apply over the rooting area of trees or ornamentals not listed on this label. On newly sprigged turfgrass, temporary slowing of growth may follow application. On hybrid bermudagrass, temporary yellowing may occur. Do not overseed with desirable turfgrass within 4 months before or 6 months after treatment.

Nonselective Weed Control on Noncrop Land

Apply Princep 4G at rates recommended below. Use the higher rates on heavy clay and muck soils. Best results are obtained when Princep 4G is applied before weeds emerge.

Do not contaminate domestic or irrigation water supplies, or lakes, streams, or ponds.

Princep 4G provides long-term weed control on industrial sites, highway medians and shoulders, railroad rights-of-way, lumberyards, petroleum tank farms, and in noncrop areas on farms, such as around buildings, equipment and fuel storage areas, along fences, roadsides, and lanes. Do not use this product for nonselective weed control on land to be cropped, near adjacent desirable trees, shrubs or plants, or in greenhouses, as injury may occur.

To control most annual broadleaf and grass weeds (such as barnyardgrass, cheatgrass, crabgrass, lambsquarters, foxtail, ragweed, puncturevine, and turkey mullein): Broadcast 250 lbs. per acre.

To control most annual and many perennial broadleaf and grass weeds (including quackgrass, bluegrass, redtop, burdock, Canada thistle, orchardgrass, purple top, smooth brome, dogfennel, and plantain): Broadcast 250-500 lbs. per acre.

To control hard-to-kill perennial weeds (such as bull thistle and sowthistle): Broadcast 500-1,000 lbs. per acre.

For longer residual control in regions of high rainfall and a long growing season: Broadcast 500-1,000 lbs. per acre.

For small areas, 5 3/4 lbs. per 1,000 sq. ft. is equivalent to 250 lbs. per acre.

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Storage and Disposal

Store in a dry place. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures. Completely empty container by shaking, and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of container in a sanitary landfill or by incineration if allowed by state and local authorities.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

First Aid: If in eyes, flush with plenty of water. Get medical attention if irritation persists. If on skin, wash with plenty of soap and water. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth; get medical attention.

Environmental Hazards

Do not contaminate domestic, livestock, or irrigation water supplies or lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

Princep® trademark of CIBA-GEIGY for simazine

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

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