

# Dual<sup>®</sup>

# 15G

## Herbicide

For weed control  
in ornamentals

Active Ingredients:  
Metolachlor: 2-chloro-  
*N*-(2-ethyl-6-methyl-  
phenyl)-*N*-  
(2-methoxy-  
1-methylethyl)  
acetamide . . . . . 15%  
Inert Ingredients: 85%  
Total: 100%

**50 Pounds**  
Net Weight

EPA Reg. No. 100-627

Dual 15G is a  
granular herbicide  
Keep Out of Reach  
of Children.

### Caution

See additional  
precautionary  
statements on  
back of bag.

Control No.  
**53470**

See directions for use  
on back of bag.

# CIBA-GEIGY

**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.

**Directions for Use**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. In accordance with 40 CFR Part 170, the user shall permit the application of this product in such a manner as to directly or through drift expose workers or other persons except those knowingly involved in the application.

**FAILURE TO FOLLOW ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL OR CROP INJURY.**

Apply Dual 15G through a cyclone or similar type applicator at rates indicated for control of annual grasses and yellow nutsedge.

Broadcast Dual 15G at the rate of 13-27 pounds per acre to established ornamentals, or to ornamentals transplanted a minimum of 5 days, but before grass weeds or yellow nutsedge emerge, or after existing weeds or nutsedge plants have been removed. A second application may be needed to provide grass and yellow nutsedge control for an extended period. Do not make more than 2 applications per year.

Use the higher rate of Dual 15G on fine textured soils, on high organic matter soils, in potting mixes, and where yellow nutsedge and heavy infestations of grass weeds are expected. Use the lower rate on coarse textured soils with low organic matter content, and where light infestations of grass weeds are expected.

If band applications are to be used, apply an amount proportional to the fraction of an acre treated.

If annual broadleaf weeds are expected, a broadcast application of Princep 4G at 20-25 pounds per acre may be made immediately before or after applying Dual 15G, following the application procedure as for Dual 15G. Use the higher rates of Princep 4G on fine textured soils or soils with high organic matter content, and the lower rates on coarse textured soils or soils with low organic matter content.

**Precautions:** Do not use Dual 15G alone or in conjunction with Princep 4G on seedbeds, on unrooted cuttings, or prior to transplanting. Do not apply Dual 15G to ornamentals whose foliage is wet since the granule may adhere to the foliage and cause injury. Should granules adhere to the foliage, irrigate soon after application to remove the granules and reduce potential damage.

**DO NOT USE IN GREENHOUSES OR OTHER ENCLOSED STRUCTURES**

**Container Grown Ornamentals**

Use only the application rate per container (see label).

Princep 4G may be used in conjunction with Dual 15G in holly and juniper

#### Field and Liner Grown Ornamentals

Dual 15G in the following

Arborvitae (*Thuja* spp.)\*  
Azalea (*Rhododendron* sp.) Hershey Red  
Cotoneaster (*Cotoneaster* spp.)\*  
Barberry (*Berberis* spp.)  
Mentor, Warty, Wintergreen  
Box Tree (*Buxus* spp.)  
Crabapple (*Malus* spp.)\*  
Dogwood (*Cornus* sp.) Red Stem  
Euonymus (*Euonymus* spp.)  
Firethorn (*Pyracantha* spp.)  
Forsythia (*Forsythia* spp.)  
Holly (*Ilex* spp.),  
American, Boxleaf Japanese\*, Japanese\*  
Honeysuckle (*Lonicera* spp.)  
Ivy (*Hedera* sp.) English  
Juniper (*Juniperus* spp.)\*  
Andorra, Creeping, Shore  
Leucothoe (*Leucothoe* spp.)\*  
Mountain Laurel (*Kalmia* spp.)  
Osmanthus (*Osmanthus* spp.)\*  
Pachysandra (*Pachysandra* spp.)  
Privet (*Ligustrum* spp.)  
Rosebay (*Rhododendron* spp.)  
Weigela (*Weigela* spp.)\*  
Yew (*Taxus* spp.) Dwarf Japanese\*, Hicks

\*Dual 15G may be applied in conjunction with Princep 4G on these field and liner grown ornamentals

#### 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 spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures under the Resource Conservation and Recovery Act. Dispose of bags according to approved federal, state, or local procedures under the Resource Conservation and Recovery Act.

## Precautionary Statements

Hazards to Humans and Domestic Animals --

### WARNING

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if inhaled or absorbed through the skin. Avoid breathing dust. May cause skin sensitization reactions in certain individuals.

**First Aid:** In case of contact with eyes, wash immediately with plenty of water for at least 15 minutes; with skin, wash with plenty of soap and water. Seek medical attention if symptoms occur. If inhaled, move to clean air. If swallowed, give one or two glasses of water and induce vomiting by placing fingers in back of throat, and contact a local poison control center, hospital or physician immediately. Never give anything by mouth to an unconscious person.

### 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.

Dual: trademark of CIBA-GEIGY for metolachlor

U.S. Patent No. 3,937,730

Princep: trademark of CIBA-GEIGY for simazine

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