

HABCO  
GRANVAL  
WEED AND BRUSH KILLER

ACCEPTED  
with comments  
NOV 2 1984  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 8823-60

ACTIVE INGREDIENT:

Hexazinone (3-cyclohexyl-6-(dimethylamino)-1-methy-1,3,5-triazine-2,4(IH,3H)dione)....10%

INERT INGREDIENTS.....90%

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

SPECIMEN LABEL

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION!! Avoid contact with skin, eyes, and clothing. In case of contact, flush skin or eyes with plenty of water, for eyes, 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.*

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 HABCO "Granval" Weed and Brush Killer from application equipment immediately after use. Wash equipment thoroughly with water.

NET 50 LBS.

HABCO, INC., 1418-5th St. So., HOPKINS, MINNESOTA 55343

Made in U.S.A.

Printed in U.S.A.

## GENERAL INFORMATION

Habco "Granval" Weed and Brush Killer is a special granular product to be evenly distributed on the soil surface in reforestation areas and non-cropland areas (such as Storage areas, Industrial Plant Sites, Drainage Ditchbanks and other similar areas) for control of undesirable woody and herbaceous plants. Rainfall dissolves the granules and moves the herbicide into the root zone of the woody and herbaceous plants where it is absorbed during periods of active plant growth.

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

"Granval" controls many woody plants including ash, aspen (bigtooth and quaking), balsam poplar, birch, black cherry, boxelder\*, basswood, blackberry, wild raspberry, elm, hazel, hawthorns, oaks (red, black, and white), red maple\* and willow. Recommended rates also provide partial kill or suppression of herbaceous plants.

The degree of control and duration of effect will vary with the amount of product applied, soil type, rainfall, timing of application and other conditions.

Considered hard-to-kill.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Disposal: Product or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State, or local procedures.

Container Disposal: Do not re-use container or liner. Dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

4

NOTICE OF WARRANTY

Habco 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 directions under normal use conditions. It is impossible to eliminate all risks 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 Habco. In no case shall Habco be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. HABCO MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

DIRECTIONS FOR USE

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

Habco "Granval" Weed and Brush Killer should be used only in accordance with recommendations on this label, or in separate published Habco recommendations available through local dealers.

Habco will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Habco. User assumes all risk associated with such non-recommended use.

How to Apply - Apply the granules with a centrifugal spreader or manually operated cyclone seeder or with appropriate aerial equipment such as the Simplex Aerial Seeder. Calibrate equipment to insure uniform distribution of the granules over the treated area. Wear gloves when handling granules to prevent contact with skin. Apply before or during the period of active growth of brush species to be controlled (early spring to mid-summer) when rainfall can be expected to activate the chemical in the soil. Do not apply to frozen soil.

Use the higher rate on hard-to-kill species. Do not use on poorly drained soils since hardwoods may not be adequately controlled on such sites.

Non-Cropland Areas - East of the Rocky Mountains, Storage Areas, Industrial Plant Sites, Drainage Ditch Banks, and other similar areas.

Apply 10 - 20 lbs. per acre to control susceptible brush species. Use the higher levels of the recommended dosage range under the following conditions: on hard-to-kill species, on fine textured soils (clay, clay loam) and on soils containing more than 5% organic matter or carbon.

Reforestation Areas - Habco "Granval" Weed and Brush Killer 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, scotch, shortleaf, slash, Virginia Pines, Balsam fir, and white and black spruce are grown. It is a special dry product to be distributed on the soil surface in well-drained reforestation areas for control of hardwood brush and herbaceous plants. Results are best in coarse to medium-textured soils. Rainfall causes the granules to crumble and moves the herbicide into the root zone of susceptible plants where it is absorbed during periods of active plant growth. At least 2 to 3 inches of rainfall are needed for soil activation.

"Granval" is not recommended for use on poorly drained sites and marshy sites.

Conifer Release - For control of many woody plants including ash, aspen (bigtooth and quaking), balsam poplar, basswood, birch, black cherry, boxelder, blackberry, raspberry, elm, hawthorns, hazel, oaks (red, black, and white), red maple and willow, use the following rates for the appropriate soil texture:

SOIL TEXTURE	POUNDS PRODUCT/ACRE**
Sand, loamy sand, sandy loam	10 - 15
Loam, silt clay, silt, and sandy clay loam	15 - 30

\*\* Do not apply at rates higher than shown for the soil texture as unacceptable conifer injury may result where spruce is grown. On light, fine-texture soils, (clay, clay loam) rates may be increased to 20 lbs. providing a potential 20% mortality can be tolerated.

The above rates will also control herbaceous plants such as asters, bracken fern, goldenrod, honeysuckle, and perennial grasses such as quackgrass.

Note: Established conifer saplings (3 years or more) are usually not injured at recommended rates, while competing susceptible hardwood brush is controlled or suppressed. Since some mortality of young conifers may occur with this treatment, do not use on sites where 10% conifer mortality cannot be tolerated. Do not apply on sparse stands of conifers or conifers which are suffering from loss of vigor caused by insects, diseases, drought, winter injury, or other stresses, as severe injury may result. If such stresses occur following treatment, injury may also result. Jack pine and white pine are not tolerant to "Granval".

CONIFER SITE PREPARATION - For control of many woody plants including ash, aspen (bigtooth and quaking), balsam poplar, basswood, birch, black cherry, boxelder, blackberry, raspberry, hawthorns, hazel, oaks (red, black, and white), red maple\* and willow, use the following rates for the appropriate soil texture.

( \* considered hard-to-kill.

SOIL TEXTURE	POUNDS PRODUCT/ACRE**
Sand, loamy sand, sandy loam	10 - 15
Loam, silt loam, silt and sandy clay loam	15 - 40

\*\*Use the higher rates on sites heavily populated with hard-to-kill species.

The above rates will also control herbaceous plants such as asters, bracken fern, goldenrod, honeysuckle, and perennial grasses such as quackgrass.

#### Wildlife Openings

"Granval" may be used to establish wildlife openings. Apply 1/3 ounce per 2 inches of stem diameter at breast height.

#### NOTICE TO BUYER

Purchase of this material does not confer any rights under patents of countries outside of  
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