

DEC - 5 1988

Ronald D. Wilson, Ph.D.
 PBI/Gordon Corporation
 1217 West 12th Street
 P.O. Box 4090
 Kansas City, Missouri 64101

Dear Dr. Wilson:

Subject: Acme Agricultural Products
 EPA Registration No. 2217-675
 Re: Dichlobenil Standard - Label Amendments
 Your Submission Dated November 3, 1988

The above submission has been reviewed by our Agency. Your label is acceptable provided the following changes are made.

1. Revise the water contamination statement to "Do not contaminate water when disposing of equipment washwaters."
2. Delete "Forestry Parklands."

Please submit five (5) copies of your final printed labeling incorporating changes before you release the products for shipment. A stamped copy of each is enclosed for your records.

Sincerely,

Robert J. Taylor
 Product Manager (25)
 Fungicide-Herbicide Branch
 Registration Division TS-767C

R. Taylor/C. Giles/FHB/PM 25/12-05-88

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

ACME^(R) AGRICULTURAL PRODUCTS

Acceptable with
Comments

NOROSAC^(R)

4G

DICHLORBENIL HERBICIDE

a selective herbicide for control of CRABGRASS, FOXTAIL,
SHEPHERDSPURSE, HORSETAIL, PIGWEED, QUACKGRASS,
CANADA THISTLE, LEAFY SPURGE, FESCUE, and
CERTAIN OTHER ANNUAL AND PERENNIAL WEEDS.

ACTIVE INGREDIENT:

Dichlobenil.....	4.0%
INERT INGREDIENTS.....	96.0%
	TOTAL 100.0%

*2,6-DICHLOROBENZONITRILE

KEEP OUT OF REACH OF CHILDREN

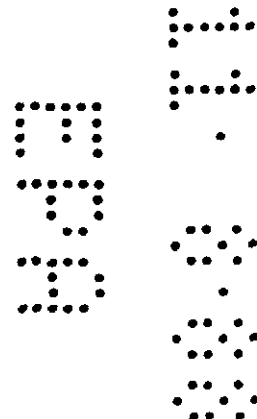
CAUTION

SEE BACK OF BAG FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

NET WEIGHT FIFTY POUNDS
(22.68 KILOGRAMS)

ACCEPTED

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 7217-625



STOP! READ THE ENTIRE LABEL FIRST.
OBSERVE ALL PRECAUTIONS AND
FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed. Do not breathe dust. Do not allow contact with eyes or skin.

Statement of Practical Treatment

IF SWALLOWED: Induce vomiting by drinking water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water.

Environmental Hazards

Do not contaminate water when disposing of equipment washwaters.

[(WHEN CRANBERRY USE IS NOT INCLUDED ON SUBLABEL) Cover, collect, or incorporate granules spilled on the soil surface. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.]

DIRECTIONS FOR USE

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

(FOR BAGS)

STORAGE & DISPOSAL

STORAGE: Store in original bag in a locked storage area inaccessible to children or pets. Storage area should be cool and dry. Keep bag tightly closed.

Reseal bag by rolling down top to product level and taping or clipping. Do not store near seeds, bulbs, or in greenhouses.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[For SPRED-RITE^(R) spreader]

STORAGE & DISPOSAL

STORAGE: Store in original container in a locked storage area inaccessible to children or pets. Storage area should be cool and dry. Keep container tightly closed using disc seal inside cap. Do not store near seeds, bulbs, or in greenhouse. Do not contaminate water, food or feed by storage or disposal.

PRODUCT DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Refill the SPRED-RITE^(R) applicator with NOROSAC^(R) 4G granules available in 5 lb. bags. Do not use this applicator for any other purpose. When applicator becomes inoperable, or is no longer wanted, rinse thoroughly and place in trash collection.

IMPORTANT! Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

Keep all unprotected persons, children, livestock, and pets away from treated area or where there is a danger of drift.

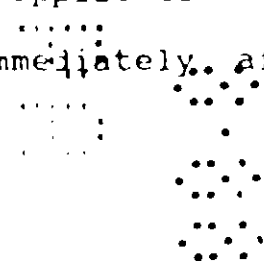
Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Statement of Practical Treatment.

PERENNIAL WEED CONTROL

This product is recommended for control of certain perennial weeds such as ARTEMISIA, CANADA THISTLE, CURLY DOCK, FALSE- DANDELION (CATSEAR), FESCUE, HORSETAIL, LEAFY SPURGE, ORCHARDGRASS, QUACKGRASS, RUSSIAN KNAPWEED, TIMOTHY, WILD ARTICHOKE, WILD ASTER, WILD CARROT, AND YELLOW ROCKET IN ESTABLISHED WOODY ORNAMENTALS AND FRUIT and for control in non- crop areas such as along roads & highways, in Forestry Parklands, parks, around buildings, hedges and trees, play & sports grounds, along fences, railroad and utility right-of-ways and installations.

SOIL SURFACE TREATMENT: Apply as soil surface treatment from late fall through early spring. For best results, applications in the states of Maine, Vermont, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York, Michigan, Wisconsin, Minnesota, North Dakota, South Dakota and Montana should be made in early spring after the ground has thawed. Do not apply to frozen ground or over the top of the snow. Old weed growth should not be removed before application. Do not make surface application to areas which have been cultivated during the fall or summer prior to application.

INCORPORATED TREATMENT: Apply and incorporate immediately after application in late fall or very early spring.



ANNUAL WEED CONTROL

This product is recommended for control of annual grassy and broadleaved weeds such as: ANNUAL BLUEGRASS (POA ANNUA), BLUEGRASS, BULL THISTLE, CAMPHORWEED, CARPETWEED, CHICKWEED, CITRON MELON, COFFEWEED, CRABGRASS, CUDWEED, DANDELION, DOGFENNEL, EVENINGPRIMROSE, FIDDLENECK, FLORIDA PURSLANE (PUSLEY), FOXTAIL, GISEKIA, GROUNDSEL, HENBIT, JERUSALEMOAK, GOOSEFOOT, KNOTWEED, LAMBSQUARTERS, MAYPOPS, MILKWEED VINE (MORRENIA ODORATA), MINERS LETTUCE, NATALGRASS, OLD WITCHGRASS, PEPPERGRASS, PINEAPPLEWEED, PLANTAIN, PURSLANE, RAGWEED, RED DEADNETTLE, REDROOT PIGWEED, ROSARYPEA, RUSSIAN THISTLE, SHEPHERDSPURSE, SMARTWEED, SPANISH NEEDLES, SPURGE, TEAWEED, TEXAS PANICUM (HURRAHGRASS), WILD BARLEY, WILD MUSTARD, WILD RADISH, AND YELLOW WOODSORREL.

Apply in early spring before seeds of annual weeds germinate or after cultivation has removed the growing weeds. Distribute granules uniformly over the soil surface. If treatment is followed by application of 1/2 to 1 inch of water by overhead irrigation, the lower rates are recommended. Shallow incorporation immediately after application is recommended in southern areas. In other areas, shallow incorporation or sprinkler irrigation is suggested when applications are made during periods of high temperatures.

FRUIT IN ORCHARDS AND NURSERIES

This product may be used on the following crops, do not allow livestock to graze treated orchards:

- A. Apple, Blueberry, Cherry, Grape, Nectarine, Peach, Pear, Prune Plum: May be used on bearing, non-bearing and nursery stock. Do not apply until 4 weeks after transplanting. Do not make application within one month of harvest on stone fruits. Apply 100 to 150 pounds per acre for annual weed control based on area actually treated. For control of perennial weeds apply 150 pounds per acre. Follow General Directions for Use.
- B. Blackberry and Raspberry: For control of annual weeds follow General Directions for Use, except use only on established plantings and do not apply more than 100 pounds per acre. Do not apply during new shoot emergence.

WOOD/ ORNAMENTALS (ESTABLISHED and NURSERY STOCK):

For control of annual weeds this product may be used on the following plants. Apply 100 to 150 pounds per acre, based on area actually treated. Do not apply until 4 weeks after transplanting. Follow Directions for Use above.

For control of perennial weeds listed, apply 150 to 200 pounds per acre. Do not apply more than 150 pounds per acre on AZALEA, BOXWOOD, EUONYMUS, FORSYTHIA, HEATHER, HOLLY, IVY, LILAC, LEUCOTHOE. Do not apply more than 150 pounds per acre on plantings less than one year old. Follow Directions for Use listed above. Do not apply to containers in which nursery stock is grown.

Amur Corktree	Filbert	Nandina
Arbor Vitae	Flowering Almond	Oak
Ash	Flowering Quince	Osmanthus
Azalea ¹	Forsythia	(Holy-olive)
Barberry	Gardenia	Pachistima
Beauty Bush	Goldenraintree	Pecan
Birch	Hackberry	Photinia
Boxelder	Heather	Pine
Boxwood	Holly (Ilex spp.) ²	Pittosporum
Camellia	Honeysuckle	Poplar
Caragana	Ivy (Hederahelix)	Privet
Cleyera japonica	Juniper	Pyracantha
Cotoneaster	Kinnikinnick	Rhododendron
Cottonwood	Laurel	Rockrose
Crabapple	Leucothoe	Rose
Deutzia	Lilac	Russian Olive
Dogwood	Linden	Spirea
Eastern Red Cedar	Locust	Squaw carpet
Elm	Magnolia	Willow
Elwood Cypress	Maple	Weigela
English Walnut	Mock Orange	Yew (Taxus)
Euonymus	Mountain Ash	

- ¹ Kurume, Mollis, Hardy hybrid types and hardy native species only.
² Except *I. crenata*, *I. rotunda*, *I. vomitoria*

USE PRECAUTIONS:

Do not use in seed beds, transplant or cutting beds or greenhouses. Do not apply until 6 months after rooting of cuttings in the field, or after planting rooted cuttings. Do not apply to areas on slopes above lawns or susceptible crops as run-off water from treated area could cause injury. Do not apply on fruit stock... within 3 months prior to or following grafting or budding of root stocks or planting of new grafts. Do not apply more than the maximum recommended amount per growing season. Do not use on "St. Lucie fine sand," "Arzell fine sand" or other light sand soil. Do not graze livestock in treated areas. Store in a tightly closed container in a dry place.



WEED CONTROL IN CRANBERRIES

Control of perennial and annual, broadleaved and grassy weeds (including rushes and sedges) in cranberries can be obtained by use of this product. The following weeds are controlled: Sensitive Fern, Bracken Fern, Royal Fern, Hair Cap Moss, Common Horsetail, Water Horsetail (pipes), Rush (*Juncus* spp.), Dodder, Bluejoint grass, Rattlesnake grass, (Manna grass), Summer grass, Velvetgrass, Bent grasses, Little Hairgrass, Crabgrass, Rice Cutgrass, Bunch grass, Muskrat grass, Nutsedge (nutgrass), Short Wiregrass, Wideleaf grass, Stargrass, Woolgrass, Cotton grass, Needle grass, Oniongrass, Arrowleaved Tear Thumb, Beggar's- ticks, Knotweed, Loosestrife, Marsh St. Johnswort, Tideland clover, Ragweed, Sorrel, Wild Strawberry, Aster, Buckbean, Hawkweed, Western *Lilaeopsis*, Marsh Pea, Plantain, Smartweed (Marshpepper, Pennsylvania, Spotted, Swamp and Water).

Application should be made in early spring while perennial weeds are still dormant and annual weeds have not started to germinate or in late fall after crop has been harvested. Apply pre-bloom or post-harvest.

SPRING TREATMENT

AREAS OTHER THAN PACIFIC NORTHWEST -- Apply 100 pounds per acre. Do not make spring application if treatment was made the previous fall. See specific directions for spring treatment in the Pacific Northwest.

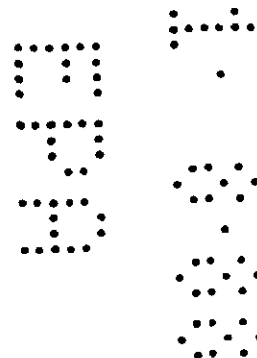
PACIFIC NORTHWEST -- Two equal applications may be made in early spring with an interval of 3 to 6 weeks between treatments. Total application should be 100 pounds per acre.

FALL TREATMENT

In all growing areas apply 100 to 150 pounds per acre in the fall after crop has been harvested. Do not make fall application if treatment was made the previous spring. Use high rate only on very weedy bogs, or on bogs abandoned because of weeds.

USE PRECAUTIONS:

Distribute granules uniformly. Avoid over-application which may result from over-lapping during treatment. Temporary reddening of cranberry plants may occur especially with late spring application or when applied on sandy bogs. Do not use on young beds or newly sanded beds or on bogs prior to or immediately after mowing for vines.

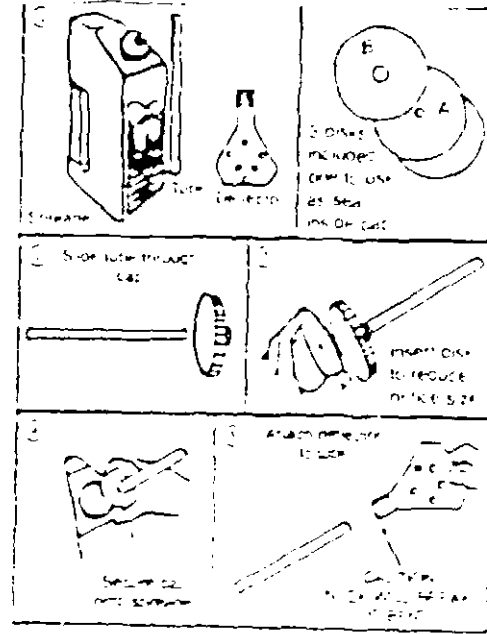
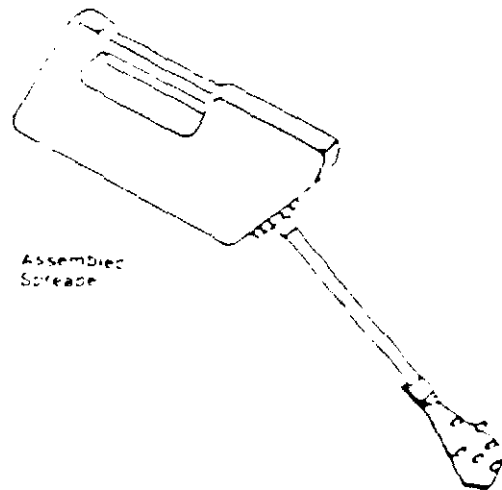


OTHER USES

HOW TO ASSEMBLE THE SPRED-RITE^(R) GRAVITY-FLOW APPLICATOR:

Instructions for assembly of spreader:

1. Illustration of Spreader, Tube Deflector
2. Illustration of Slide Tube Through Cap
3. Place Disk in Cap
4. Secure Cap on Spreader
5. Attach Deflector to Tube



Directions For Use

1. To start the flow of granules: Tilt the spreader down until granules flow through the tube and across the deflector.
2. To stop the granule flow: Tilt the spreader back toward the upright position.
3. To adjust the volume of granule flow: Use of the "A" or "B" disk in the cap adjusts the volume of granules that will flow through the tube. The smaller the orifice used the smaller the flow will be. To obtain maximum flow of granules, do not use either orifice disk.

CAUTION: Use without either orifice disk will result in an extremely rapid flow of granules that may cause over-application and risk of damage to desirable plantings or result in a waste of the product.

4. To adjust the width of the band of granules: Hold the deflector close to the ground to produce a narrow band. As the deflector is raised, the band applied will widen. The spreader will apply a band of granules 30 to 36 inches wide when the deflector is held about 3 feet above the ground. By turning the deflector sideways, a 2 to 4 inch band will result.

