

Reg # 241-305

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 31 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Zareen Ahmed
AMERICAN CYANAMID COMPANY
AGRI RESEARCH DIV - U.S. REGULATORY AFFA
BOX 400
PRINCETON, NJ 08543

Subject: Label Amendment Submission of 09/16/93 in Response to PR Notice 93-7
EPA Reg. No. 241-305
STOMP HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy-Candle Ink on paper that
contains at least 50% recycled fiber

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division**

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AMERICAN CYANAMID COMPANY
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BOX 400
PRINCETON NJ 08543

Subject: Label Amendment Submission of 09/16/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 241-305
STOMP HERBICIDE

The following specific comments pertain to your
WPS labeling submission concerning the product
cited above:

User Safety Recommendations must either be placed in a box
or printed on the label in a contrasting color from
surrounding text.

You have incorrect wording in the first paragraph in the
Agricultural Use Requirements box on your proposed label.
That paragraph must contain the exact wording of the
paragraph shown as "2" in Section F on Part 2 of the Product
Worksheet in Supplement Three-A to PR Notice 93-7.

You have incorrect wording in the second-to-last sentence in
the first paragraph in the Agricultural Use Requirements box
on your proposed label. The sentence must be as follows:
"It also contains specific instructions and exceptions
pertaining to the statements on this label about personal
protective equipment (PPE), notification to workers and
restricted-entry interval."

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ACCEPTED
with COMMENTS
JAN 31 1994

STOMP®
herbicide

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
EPA Reg. No. 241-305

FOR CONTROL OF MOST ANNUAL GRASSES AND CERTAIN WEEDS IN NONCROPLAND AREAS, ORNAMENTALS, AND CHRISTMAS TREES

ACTIVE INGREDIENT:

pendimethalin, N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine.....	42.3%
INERT INGREDIENTS:	57.7%
TOTAL	100.0%

(1 gallon contains 4 lbs. of pendimethalin)

EPA Reg. No. 241-305

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

WARNING! / AVISO!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

- If in eyes:** Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Call a physician if eye irritation persists.
- If swallowed:** DO NOT induce vomiting. Call a physician or Poison Control Center immediately.
- For skin contact:** Wash thoroughly with soap and water. Call a physician if skin irritation persists.

This product contains monochlorobenzene.

NOTE TO PHYSICIAN: Because of increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent (monochlorobenzene), vomiting should be induced only under professional supervision.

AMERICAN CYANAMID COMPANY
AGRICULTURAL PRODUCTS DIVISION
VEGETATION AND PEST CONTROL
WAYNE, NJ 07470 ©1993

Net Contents:

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
WARNING**

Causes substantial but temporary eye injury. Harmful if swallowed, absorbed through the skin, or inhaled. DO NOT get in eyes or on clothing. Avoid breathing spray mist. Avoid contact with skin. Use with adequate ventilation. Keep container closed.

Personal Protective Equipment (PPE):

Some material that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves, such as barrier laminate or viton (\geq 14mils)
- shoes plus socks
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. DO NOT apply directly to water or wetlands (swamps, bogs, marshes or potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. DO NOT contaminate water when disposing of equipment washwaters.

**PHYSICAL HAZARDS
FLAMMABLE LIQUID AND VAPOR**

DO NOT use, pour, spill, or store near heat or open flame. DO NOT use in the vicinity of pilot lights.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at time of pesticide application. DO NOT apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). This requirement in this box only applies to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- chemical-resistant gloves, such as barrier laminate or viton (≥ 14mils)
- shoes plus socks
- protective eyewear

STORAGE AND DISPOSAL

STORAGE: DO NOT STORE BELOW 40°F. Extended storage at temperatures below 40°F can result in the formation of crystals on the bottom of container. If crystallization does occur, store the container on its side at room temperature (70°F) and rock occasionally until crystals redissolve.

DO NOT contaminate water, food, or feed by storage or disposal.

DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Observe all cautions and limitations in this label and the labels of products used in combination with STOMP. The use of STOMP not consistent with this label can result in injury to crops, animals, or persons. Keep containers closed to avoid spills and contamination.

DISCLAIMER

The label instructions 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 use or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risk referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including other express or implied warranty of FITNESS or of MERCHANTABILITY.

GENERAL INFORMATION

STOMP herbicide is recommended for preemergence control of grasses and certain broadleaf weed species as they germinate on noncropland areas, ornamentals, and established Christmas trees. STOMP treatments are most effective in controlling weeds when adequate rainfall is received within 30 days after application.

STOMP will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment, or STOMP may be used in conjunction with herbicides registered for postemergence use in noncropland areas, ornamentals, and established Christmas trees. Consult the labels of those herbicides for suggested treatments, rates to be used and precautions or restrictions for use in noncropland areas.

MIXING INSTRUCTIONS

1. Fill tank one-half to three-quarters full with clean water.
2. Add STOMP herbicide to the partially filled tank while agitating and then fill the remainder of the tank with water.
3. **MAINTAIN CONTINUOUS AGITATION WHILE ADDING STOMP AND UNTIL SPRAYING IS COMPLETED.** If the spray mixture is allowed to settle for any period of time, thorough agitation is essential to resuspend the mixture before spraying is resumed. Continue agitation while spraying.
4. If STOMP is to be used in tank mixtures with other registered herbicides, then follow directions on the labels of those products which recommend tank mixing.

SPRAYING INSTRUCTIONS

Uniformly apply with properly calibrated ground equipment in sufficient water per acre to uniformly treat the area with a spray pressure of 25 to 50 psi. Maintain continuous agitation during spraying with good mechanical or bypass agitation.

NONCROPLAND WEED CONTROL

STOMP is recommended for preemergence control of most annual grasses and certain broadleaf weeds as they germinate on noncropland areas such as railroad, utility and pipeline rights-of-way, highway guardrails, delineators, and sign posts, utility substations, petroleum tank farms, pumping installations, fence rows, storage areas, windbreaks, shelterbelts, and other similar areas.

For postemergence control of weeds, tank-mix combinations of STOMP plus ARSENAL® herbicide are recommended. DO NOT tank mix with ARSENAL in California. Recommended rates for the tank-mix compounds should be determined from the product labels of both STOMP and ARSENAL prior to use.

WEED CONTROL IN AND AROUND ORNAMENTAL PLANTINGS

STOMP is recommended for use on the following established field grown and container ornamentals, plants & trees, and established ground covers. Care must be taken that soil or planting mixes have settled firmly following transplanting and that there are no cracks that would allow direct contact of STOMP and roots. Directed sprays where soil and media surfaces are uniformly covered will result in best weed control and ornamental tolerance. STOMP sprays can be safely applied over-the-top of those plants listed below.

FIELD AND CONTAINER ORNAMENTALS

<u>Common Name</u>	<u>Scientific Name</u>
Azalea 'Coral Bells'	<u>Rhododendron</u>
Bamboo, Heavenly	<u>Nandina domestica</u>
Birch, River	<u>Betula nigra</u>
Bottle Brush	<u>Callistemon citrinus</u>
Boxwood, Common	<u>Buxus sempervirens</u>
Bush Honeysuckle	<u>Diervilla lonicera</u>
Common Oleander	<u>Nerium oleander</u>
Dogwood	<u>Cornus cardinal</u>
European Fan Palm	<u>Chamaerops humilis</u>
Fir, Balsam	<u>Abies balsamea</u>
Firethorn	<u>Pyracantha coccinea</u>
Holly, Dwarf Burfordi	<u>Ilex cornutana</u>
Holly, Japanese Compacta	<u>Ilex crenata compacta</u>
Holly 'Savannah'	<u>Ilex attenuata</u>
Hosta	<u>Hosta lancifolia</u>
Juniper, Andorra	<u>Juniperus horizontalis plumosa</u>
Juniper 'Pfitzer'	<u>Juniperus chinensis</u>
Juniper 'Sea Green'	<u>Juniperus chinensis media</u>
Juniper 'Blue Chip'	<u>Juniperus horizontalis</u>
Juniper, Savins 'Broadmoor'	<u>Juniperus sabina</u>
Liriope, Green	<u>Liriope spicata</u>
Liriope, 'Monroe White'	<u>Liriope musari</u>
Liriope, Variegated	<u>Liriope muscari 'Variegata'</u>
Maple, Red	<u>Acer rubrum</u>
Mondo Grass	<u>Ophiopogon japonicum</u>
Mountain Laurel	<u>Kalmia latifolia</u>
Natal Plum	<u>Carissa grandiflora</u>
Pittosporum	<u>Pittosporum tobira</u>
Privet, Japanese	<u>Ligustrum japonicum</u>
Spirea, Bridal Wreath	<u>Spirea vanhouttei</u>

GROUND COVER ORNAMENTALS

STOMP herbicide may be used for the preemergence control of the weed species listed in and around the following established ground cover plants:

<u>Common Name</u>	<u>Scientific Name</u>
Capeweed	<u>Arctotheca calendula</u>
Daisy, Trailing African	<u>Osteospermum fruticosum</u>
Gazania	<u>Gazania splendens</u>
Rose-of-Sharon	<u>Hypericum calycinum</u>
Iceplant, Large Leaf	<u>Carpobrotus edule</u>
Ivy, English	<u>Helix hedera</u>
Ivy, Geranium	<u>Pelargonium peltatum</u>
Myoporum	<u>Myoporum parviflorum</u>
Pachysandra	<u>Pachysandra terminalis</u>
Potentilla	<u>Potentilla jackmanii</u>
Potentilla	<u>Potentilla verna</u>

PRECAUTION!

Apply only to established plantings.
DO NOT apply STOMP herbicide in ornamentals nurseries.

WEED CONTROL IN CHRISTMAS TREE PLANTINGS

STOMP is recommended for preemergence control of the weed species listed on this label as they germinate in areas planted with the following Christmas trees:

- *Austrian Pine (Pinus nigra)
- *Balsam Fir (Abies balsamiae)
- *Colorado Blue Spruce (Picea pungens)
- Douglas Fir (Pseudotsuga menziesii)
- *Scotch Pine (Pinus sylvestris)
- *Virginia Pine (Pinus virginiana)
- *White Fir (Abies concolor)
- *White Spruce (Picea glauca)

*Do not use in California.

DO NOT apply STOMP to Christmas tree seed or nursery beds. Apply STOMP only to established Christmas tree plantings. STOMP can be applied directly over the top of established Christmas tree plantings.

STOMP will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment, or STOMP may be used in conjunction with herbicides registered for postemergence use in Christmas trees. Consult the labels of those herbicides for suggested treatments, rates to be used and precautions or restrictions for use in Christmas trees.

WEED SPECIES CONTROLLED

For preemergence control of the weed species listed, apply STOMP at the following rates:

<u>Length of Control</u>	<u>STOMP Rate</u>
Short Term Control (2-4 months)	2 Quarts/Acre
Long Term Control (6-8 months)	4 Quarts/Acre

STOMP will not control established weeds.

The efficacy of STOMP will be improved if the application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation.

The following grass and broadleaf weeds are controlled by preemergence treatments of STOMP herbicide at the rates recommended:

GRASSES CONTROLLED

- Barnyardgrass (Echinochloa crus-galli)
- Bluegrass, Annual (Poa annua)
- Crabgrass (Digitaria spp.)
- Crowfootgrass (Dactyloctenium aegyptium)
- Foxtail, Giant (Setaria faberi)
- Foxtail, Green (Setaria viridis)
- Foxtail, Yellow (Setaria lutescens)
- Goosegrass (Eleusine indica)
- Itchgrass (Rottboellia exaltata)
- Johnsongrass (from seed) (Sorghum halepense)
- Junglerice (Echinochloa colonum)
- Lovegrass (Eragrostis spp.)
- Panicum, Browntop (Panicum fasciculatum)
- Panicum, Fall (Panicum dichotomiflorum)
- Panicum, Texas (Panicum texanum)
- Sandbur, Field (Cenchrus incertus)
- Signalgrass (Brachiaria platyphylla)
- Sprangletop, Mexican (Leptochloa uninervia)
- Sprangletop, Red (Leptochloa filiformis)
- Witchgrass (Panicum capillare)
- Woolly Cupgrass (Eriochloa villosa)

BROADLEAF WEEDS CONTROLLED

- Carpetweed (Mollugo verticillata)
- Chickweed, Common (Stellaria media)
- Chickweed, Mouseear (Cerastium vulgatum)
- Clover, Hop (Trifolium procumbens)
- Cudweed (Gnaphalium spp.)
- Fiddleneck (Amsinckia intermedia)
- Filaree (Erodium spp.)
- Henbit (Lamium amplexicaule)
- Knotweed (prostrate) (Polygonum aviculare)
- Kochia (Kochia scoparia)
- Lambsquarters (Chenopodium album)
- Pigweed (Amaranthus spp.)
- Puncturevine (Tribulus terrestris)
- Purslane (Portulaca oleracea)
- Pusley, Florida (Richardia scabra)
- Rocket, London (Sisymbrium irio)
- Sheperdspurse (Capsella bursa-pastoris)
- Smartweed, Pennsylvania (Polygonum pensylvanicum)
- Spurge, Annual (Euphorbia spp.)
- Spurge, Prostrate (Euphorbia matriculata)
- Woodsorrel, Yellow (Oxalis stricta)
- Velvetleaf (Buttonweed) (Abutilon theophrasti)