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241-340

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**PENDULUM® WDG
Industrial Herbicide**

dispersible granule

**FOR CONTROL OF MOST ANNUAL GRASSES AND CERTAIN BROADLEAF
WEEDS IN NONCROPLAND AREAS, ESTABLISHED ORNAMENTALS IN
NONCROPLAND AREAS ONLY, CHRISTMAS TREE PLANTATIONS**

ACTIVE INGREDIENT:

pendimethalin, N-(1-ethylpropyl)-3,4-dimethyl-2,
6-dinitrobenzenamine..... 60.0%

INERT INGREDIENTS:..... 40.0%

TOTAL..... 100.0%

(13.2 lbs. contains 7.9 lbs. of pendimethalin)

EPA Reg. No. 241-340

EPA Est. No.

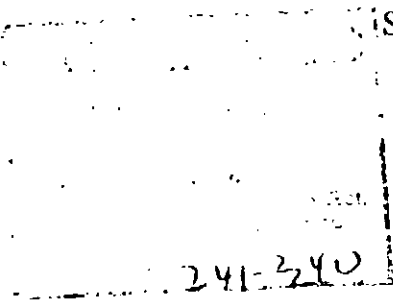
KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION!

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

In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

See Back Panel For Additional Precautionary Statements
and Directions For Use.



American Cyanamid Company
Agricultural Products Division
Specialty Products Department
Wayne, NJ 07470 ©1994

Net Contents: 13.2 Pounds

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
CAUTION**

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing.

Personal Protective Equipment (PPE): Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning and 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.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. 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.

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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. 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), and restricted-entry interval. The requirements in this box only apply 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 the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
-) · Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Non-crop industrial weed control and selective weed control in turf (industrial, unimproved only) are not within the scope of the Worker Protection Standard.

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STORAGE AND DISPOSAL

STORAGE: DO NOT store above 120°F. Store in original containers and keep closed. Store in a cool, dry place.

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

PESTICIDE

DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or 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.

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

DISCLAIMER

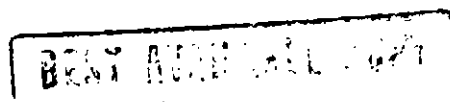
The label instructions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness 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.

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GENERAL INFORMATION

PENDULUM WDG Industrial Herbicide provides preemergence control of most annual grasses and certain broadleaf weeds as they germinate in noncropland areas and in established Christmas tree plantations.

PENDULUM WDG Industrial Herbicide controls weeds as they germinate, but will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment, or PENDULUM WDG Industrial Herbicide may be used in conjunction with herbicides registered for postemergence use. Consult the labels of those herbicides for suggested treatments, rates to be used and precautions or restrictions.

MIXING INSTRUCTIONS FOR PENDULUM WDG INDUSTRIAL HERBICIDE

Respective sections of this leaflet define recommended PENDULUM WDG Industrial Herbicide or PENDULUM WDG Industrial Herbicide tank-mix treatments registered for application in water.

1. Fill tank one-half to three-quarters full with clean water.
2. PENDULUM WDG Industrial Herbicide Alone

When using PENDULUM WDG Industrial Herbicide alone, slowly add PENDULUM WDG Industrial Herbicide to the partially filled tank while agitating and then fill the remainder of the tank with water.

3. PENDULUM WDG Industrial Herbicide Tank Mixes

a. Wettable Powder Formulations

- 1) When using PENDULUM WDG Industrial Herbicide with a wettable powder formulation, add PENDULUM WDG Industrial Herbicide to the partially-filled tank while agitating.
- 2) When PENDULUM WDG Industrial Herbicide is properly mixed, add a slurry of the wettable powder (1 part WP + 2 parts water) slowly into the tank. Fill the remainder of the tank while agitating.

b. Flowable Formulations

- 1) When using PENDULUM WDG Industrial Herbicide with a flowable formulation, add PENDULUM WDG Industrial Herbicide to the partially-filled tank while agitating.

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- 2) When PENDULUM WDG Industrial Herbicide is properly mixed, premix one part of the flowable with two parts water and add this diluted mixture slowly into the tank. Fill the remainder of the tank while agitating.

c. Emulsifiable Concentrate Formulations

- 1) When using PENDULUM WDG Industrial Herbicide with an emulsifiable concentrate formulation, add PENDULUM WDG Industrial Herbicide to the partially-filled tank while agitating.
- 2) When PENDULUM WDG Industrial Herbicide is properly mixed, premix one part of the emulsifiable concentrate with two parts water and add this diluted mixture slowly into the tank. Fill the remainder of the tank while agitating.

d. Dry Flowable (Water Dispersable Granule) Formulations

- 1) When using PENDULUM WDG Industrial Herbicide with a dry flowable formulation, add PENDULUM WDG Industrial Herbicide to the partially-filled tank while agitating.
- 2) When PENDULUM WDG Industrial Herbicide is properly mixed, premix one part of the dry flowable with two parts water and add this diluted mixture slowly into the tank. Fill the remainder of the tank while agitating.

4. MAINTAIN CONTINUOUS AGITATION WHILE ADDING HERBICIDES 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.

SPRAYING INSTRUCTIONS FOR PENDULUM WDG INDUSTRIAL HERBICIDE

Apply with properly calibrated ground equipment in sufficient water per acre to provide uniform spray distribution. Low pressure (25-50 psi) sprayers are recommended.

Maintain continuous agitation during spraying with good mechanical or bypass agitation. Nozzle screens must be no finer than 50 mesh.

Avoid application when winds may cause drift.

PENDULUM WDG Industrial Herbicide treatments in noncropland areas and Christmas tree plantations are most effective in controlling weeds when adequate rainfall is received within 30 days after application.

Avoid contact of spray solution with driveways, stone, wood or other porous surfaces. Rinse immediately to avoid staining.

CULTURAL PRACTICES FOLLOWING APPLICATION

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

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. When cultivating for any reason, it should be shallow. A PENDULUM WDG Industrial Herbicide treatment may be followed by any registered herbicide to control weeds not listed on the PENDULUM WDG Industrial Herbicide label.

APPLICATION RATES

For preemergence control of the weed species listed, apply PENDULUM WDG Industrial Herbicide at the following rates:

<u>Length of Control</u>	<u>PENDULUM WDG Industrial Herbicide Rate</u>
Short Term Control (2-4 months)	3.3 lbs./Acre (1.2 oz/1,000 sq.ft.)
Long Term Control (6-8 months)	6.6 lbs./Acre (2.4 oz/1,000 sq.ft.)

PENDULUM WDG Industrial Herbicide will not control established weeds.

NONCROPLAND WEED CONTROL

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

For postemergence control of weeds, tank-mix combinations of PENDULUM WDG Industrial Herbicide 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 PENDULUM WDG Industrial Herbicide and ARSENAL herbicide prior to use.

WEED CONTROL IN AND AROUND ESTABLISHED PLANTINGS

PENDULUM WDG Industrial Herbicide is recommended for preemergence control of the weed species listed in and around established Christmas tree plantations and in and around established ornamentals planted in noncropland areas such as highway rights-of-way, utility substations, or similar areas.

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Precautions

Apply PENDULUM WDG Industrial Herbicide only to established plantings.

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

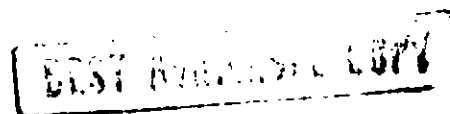
Care must be taken that soil or planting mixes have settled firmly following transplanting and that there are no cracks that would allow direct contact of PENDULUM WDG Industrial Herbicide and roots. Directed sprays where soil and media surfaces are uniformly covered will result in best weed control and ornamental tolerance. Plant only those desirable plant species listed on this label into soil treated the previous season with PENDULUM WDG Industrial Herbicide or injury may occur.

RECOMMENDED SPECIES

PENDULUM WDG Industrial Herbicide sprays can be safely applied over the top of the established plants listed below:

TREES

<u>Common Name</u>	<u>Scientific Name</u>
Ash, Red	<u>Fraxinus pennsylvanica</u>
Birch, European Weeping	<u>Betula pendula</u>
Birch, River	<u>Betula nigra</u>
Cedar, Northern White	<u>Thuja occidentalis</u>
Cedar, Red	<u>Juniperus virginiana</u>
Chamaecyparis, Boulevard	<u>Chamaecyparis pisifera</u>
Crapemyrtle, Common	<u>Lagerstroemia indica</u>
Cryptomeria, Japanese	<u>Cryptomeria japonica</u> cv. "Nana"
Dogwood, Flowering	<u>Cornus florida</u>
Dogwood, Silky	<u>Cornus amomum</u>
*Fir, Balsam	<u>Abies balsamae</u>
Fir, Douglas	<u>Pseudotsuga menziesii</u>
Fir, Fraser	<u>Abies fraseri</u>
Fir, White	<u>Abies concolor</u>
Hemlock, Eastern	<u>Tsuga canadensis</u>
Holly, American	<u>Ilex opaca</u> cv. "Tsuga"
Lilac, Common	<u>Syringa vulgaris</u>
Locust, Honey	<u>Gleditsia triacanthos</u> cv "Inermis"
Maple, Red	<u>Acer rubrum</u>
Oak, Live	<u>Quercus virginiana</u>



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<u>Common Name</u>	<u>Scientific Name</u>
Oak, Water	<u>Quercus nigra</u>
Peach	<u>Prunus persica</u>
*Pine, Austrian	<u>Pinus nigra</u>
Pine, Italian Stone	<u>Pinus pinea</u>
Pine, Loblolly	<u>Pinus taeda</u>
*Pine, Scotch	<u>Pinus sylvestris</u>
*Pine, Virginia	<u>Pinus virginiana</u>
Pine, White	<u>Pinus strobus</u>
Sourwood	<u>Oxydendron arboreum</u>
Spruce, Colorado Blue	<u>Picea pungens</u>
*Spruce, White	<u>Picea glauca</u>

SHRUBS

<u>Common Name</u>	<u>Scientific Name</u>
Abelia, Glossy	<u>Abelia grandiflora</u> cv. "Grandiflora"
Azalea	<u>Rhododendron indicum</u>
Azalea	<u>Rhododendron sp.</u> cv. "Red Gumpo" cv. "White Gumpo"
Bamboo, Heavenly	<u>Nandina domestica</u>
Barberry, Japanese	<u>Berberis thunbergii</u> cv. "Atropurpurea"
Barberry, Red	<u>Berberis thunbergii</u> cv. "Atropurpurea Nana"
Bottlebrush	<u>Callistemon citrinus</u>
Boxwood, Common	<u>Buxus sempervirens</u>
Capejasmine	<u>Gardenia jasminoides</u> cv. "Mystery"
Cotoneaster, Rock	<u>Cotoneaster horizontalis</u>
Euonymous	<u>Euonymous alata</u> cv. "Compacta"
Firethorn	<u>Pyracantha coccinea</u>
Forsythia, Border	<u>Forsythia intermedia</u>
Hawthorne, Indian	<u>Raphiolepis indica</u>
Holly, Chinese	<u>Ilex cornuta</u>
Holly, Japanese	<u>Ilex crenata</u> cv. "Compacta"
Holly, Yaupon	<u>Ilex vomitoria</u> cv. "Shillings Dwarf"
Juniper, Chinese	<u>Juniperus chinensis</u> cv. "Gold Coast" cv. "Pfitzer"

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<u>Common Name</u>	<u>Scientific Name</u>
	cv. "Pfitzerana"
	cv. "Pfitzer Aurea"
	cv. "Pfitzer Glauca"
	cv. "Procumbens Nana"
	cv. "San Jose"
	cv. "Sea Green"
Juniper, Creeping	<u>Juniperus horizontalis</u>
	cv. "Wiltonii"
Juniper, Shore	<u>Juniperus conferta</u>
Juniper, Trailing	<u>Juniperus horizontalis</u>
	cv. "Plumosa"
	cv. "Prince of Wales"
	cv. "Youngstown"
Laurel, Mountain	<u>Kalmia latifolia</u>
Laurel, Schipka	<u>Prunus schipkanensis</u>
Lily-of-the-Nile	<u>Agapanthus africanus</u>
Ligustrum, Variegated	<u>Ligustrum sinensis</u>
	cv. "Variegata"
Mock Orange	<u>Pittosporum tobira</u>
Myrtle, Compact	<u>Myrtus communis</u>
	cv. "Compacta"
Myrtle, Wax	<u>Myrica cerifera</u>
Nandina	<u>Nandina domestica</u>
Oleander	<u>Nerium oleander</u>
	cv. "Sister Agnes"
Palm, European Fan	<u>Chamaerops humilis</u>
Photinia, Fraser	<u>Photinia X Fraseri</u>
Pieris, Japanese	<u>Pieris japonica</u>
Plum, Natal	<u>Carissa grandiflora</u>
Privet, California	<u>Ligustrum ovalifolium</u>
Privet, Waxleaf	<u>Ligustrum japonicum</u>
Spirea	<u>Spirea vanhouttei</u>
Yew	<u>Taxus media</u>
Yew, Japanese	<u>Taxus cuspidata</u>

GROUND COVERS

<u>Common Name</u>	<u>Scientific Name</u>
Ajuga	<u>Ajuga reptans</u>
Brush, Dwarf Coyote	<u>Baccharis chilensis</u>
Capweed	<u>Arctotheca calendula</u>
Daisy, Trailing African	<u>Osteospermum fruticosum</u>

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Common Name

Scientific Name

Euonymous

Euonymus fortunei
cv. "Sarcoxie"

Gazania

Gazania splendens

Rose-of-Sharon

Hypericum calycinum

Iceplant, Large Leaf

Carpobrotus edule

Ivy, English

Helix hедера

Ivy, Geranium

Pelargonium peltatum

Myoporum

Myoporum parviflorum

Pachysandra

Pachysandra terminalis

Potentilla

Potentilla jackmanii

Potentilla

Potentilla verna

Red Apple

Aptenia cordifolia

Rosemary

Rosemarnus officinalis

Sand Strawberry

Fragaria chiloensis

Verbena, Peruvian

Verbena peruviana

Vinca

Vinca minor

cv. "Bowles'

PERENNIALS

Common Name

Scientific Name

Aster, New York

Aster novi-belgii

Butterfly Weed

Asclepias tuberosa

Daylily

Hemerocallis sp.

cv. "Tick-Tock"

Hosta

Hosta sp. cv. "Honeybells"

Liriope, Variegated

Liriope muscari

cv. "Silvery Sunproof"

Purple Loosestrife

Lythrum virgatum

cv. "Morden's Gleam"

ORNAMENTAL GRASSES

Common Name

Scientific Name

Beach grass

Ammophila breviliguiata

Fescue, blue

Festuca ovina

cv. "Glauca"

Fountain grass

Pennisetum setaceum

Pampas grass

Cortaderia selloana

Ribbon grass

Phalaris arundinacea

cv. "Picta"

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Common Name

Scientific Name

Tufted hair grass

Deschampsia caespitosa

*Do not use in California.

WEED SPECIES CONTROLLED

The following grass and broadleaf weeds are controlled by preemergence treatments of PENDULUM WDG Industrial Herbicide at the rates recommended:

GRASSES CONTROLLED

Common Name

Scientific Name

Barnyardgrass
Bluegrass, Annual
Crabgrass
Crowfootgrass
Foxtail, Giant
Foxtail, Green
Foxtail, Yellow
Goosegrass
Itchgrass
Johnsongrass (from seed)
Junglerice
Lovegrass
Panicum, Browntop
Panicum, Fall
Panicum, Texas
Sandbur, Field
Signalgrass
Sprangletop, Mexican
Sprangletop, Red
Witchgrass
Woolly Cupgrass

Echinochloa crus-galli
Poa annua
Digitaria spp.
Dactyloctenium aegyptium
Setaria faberi
Setaria viridis
Setaria lutescens
Eleusine indica
Rottboellia exaltata
Sorghum halepense
Echinochloa colonum
Eragrostis spp.
Panicum fasciculatum
Panicum dichotomiflorum
Panicum texanum
Cenchrus incertus
Brachiaria platyphylla
Leptochloa uninervia
Leptochloa filiformis
Panicum capillare
Eriochloa villosa

BROADLEAF WEEDS CONTROLLED

Common Name

Scientific Name

Carpetweed
Chickweed, Common
Chickweed, Mouseear
Clover, Hop

Mollugo verticillata
Stellaria media
Cerastium vulgatum
Trifolium procumbens

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<u>Common Name</u>	<u>Scientific Name</u>
Cudweed	<u>Gnaphalium spp.</u>
Fiddleneck	<u>Amsinckia intermedia</u>
Filaree	<u>Erodium spp.</u>
Henbit	<u>Lamium amplexicaule</u>
Knotweed (prostrate)	<u>Polygonum aviculare</u>
Kochia	<u>Kochia scoparia</u>
Lambsquarters	<u>Chenopodium album</u>
Pigweed	<u>Amaranthus spp.</u>
Puncturevine	<u>Tribulus terrestris</u>
Purslane	<u>Portulaca oleracea</u>
Pusley, Florida	<u>Richardia scabra</u>
Rocket, London	<u>Sisymbrium irio</u>
Shepherdspurse	<u>Capsella bursa-pastoris</u>
Smartweed, Pennsylvania	<u>Polygonum pensylvanicum</u>
Spurge, Annual	<u>Euphorbia spp.</u>
Spurge, Prostrate	<u>Euphorbia humistrata</u>
Woodsorrel, Yellow	<u>Oxalis stricta</u>
Velvetleaf (Buttonweed)	<u>Abutilon theophrasti</u>

81 July 11

ACCEPTED
By the Federal Insecticide,
Fungicide, and Rodenticide Act
at Washington, D.C. for the pesticide
Registration No. 241-340

PENDULUM

WDG Industrial Herbicide

Dispersible Granule

FOR CONTROL OF MOST ANNUAL GRASSES AND CERTAIN BROADLEAF WEEDS IN NONCROPLAND AREAS, ESTABLISHED ORNAMENTALS IN NONCROPLAND AREAS ONLY, AND CHRISTMAS TREE PLANTATIONS.

ACTIVE INGREDIENT pendimethalin N-(1-ethoxypropyl)-3,4-dimethyl-2- 6-dinitrobenzenamine	60.0%
INERT INGREDIENTS	40.0%
TOTAL	100.0%
(13.2 lbs. contains 7.91 lbs. of pendimethalin)	

EPA Reg. No. 241-340
EPA Est. No. 5905-1A-01

**KEEP OUT
OF REACH
OF CHILDREN
CAUTION
PRECAUCION!**

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.)

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.
If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

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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. 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) and restricted entry interval. The requirements in this box only apply 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 entry only to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

STORAGE: DO NOT store above 120°F. Store in original containers and keep closed. Store in a cool, dry place.

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty the spray tank equipment. Then, dispose of empty bag 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 on this label and the label of products used in combination with PENDULUM WDG Industrial Herbicide. The use of PENDULUM WDG Industrial Herbicide not consistent with this label can result in injury to crops, animals, or persons. Keep containers closed to avoid spills and contamination.

MIXING INSTRUCTIONS FOR PENDULUM WDG INDUSTRIAL HERBICIDE

Respective sections of this label define recommended PENDULUM WDG Industrial Herbicide or PENDULUM WDG Industrial Herbicide tank mix treatments registered for application in water.

1. Fill tank one-half to three-quarters full with clean water.
2. PENDULUM WDG Industrial Herbicide Aqueous

When using PENDULUM WDG Industrial Herbicide Aqueous, slowly add PENDULUM WDG Industrial Herbicide to the partially filled tank while agitating and then fill the remainder of the tank with water.

3. PENDULUM WDG Industrial Herbicide Tank Mixes

a. Wettable Powder Formulation

1) When using PENDULUM WDG Industrial Herbicide with a wettable powder formulation, add PENDULUM WDG Industrial Herbicide to the partially filled tank while agitating.

2) When PENDULUM WDG Industrial Herbicide is properly mixed, add a slurry of the wettable powder (1 part WP + 2 parts water) slowly into the tank. Fill the remainder of the tank while agitating.

b. Flowable Formulations

1) When using PENDULUM WDG Industrial Herbicide with a flowable formulation, add PENDULUM WDG Industrial Herbicide to the partially filled tank while agitating.

2) When PENDULUM WDG Industrial Herbicide is properly mixed, premix one part of the flowable with two parts water and add the premix mixture slowly into the tank. Fill the remainder of the tank while agitating.

c. Emulsifiable Concentrate Formulations

1) When using PENDULUM WDG Industrial Herbicide with an emulsifiable concentrate formulation, add PENDULUM WDG Industrial Herbicide to the partially filled tank while agitating.

2) When PENDULUM WDG Industrial Herbicide is properly mixed, premix one part of the emulsifiable concentrate with two parts water and add the premix mixture slowly into the tank. Fill the remainder of the tank while agitating.

d. Dry Flowable (Water Dispersible Granule) Formulations

1) When using PENDULUM WDG Industrial Herbicide with a dry flowable formulation, add PENDULUM WDG Industrial Herbicide to the partially filled tank while agitating.

2) When PENDULUM WDG Industrial Herbicide is properly mixed, premix one part of the dry flowable with two parts water and add the premix mixture slowly into the tank. Fill the remainder of the tank while agitating.

Indication of emergency, endangering
life or property, involving this
product, call collect day or night,
Attn: (609) 261-8355-5000

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION

Caution: Irritant to eyes. Harmful if swallowed. Avoid contact with skin and clothing.

Personal Protective Equipment (PPE): Apron and gloves when handling.

Wash hands thoroughly after handling.

Remove clothing immediately if you feel you have been exposed to it.

Get medical attention immediately if you feel you have been exposed to it.

For more information, contact your local health department or poison control center.

Use only as recommended

Use only as directed.

Wash hands thoroughly after handling.

Remove clothing immediately if you feel you have been exposed to it.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic life. Do not apply directly to water or areas where surface water is present. Do not apply to areas below the mean high water mark. Do not apply to areas where surface water is present. Do not apply to areas where surface water is present. Do not apply to areas where surface water is present.

Net Contents: 13.2 Pounds

Registered trademark of American Cyanamid Company

DISCLAIMER

The label instructions for use of this product reflect the opinion of the registrant based on field use and tests. The directions are intended to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the 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 of this product in a manner contrary to label instructions. 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 of use, subject to the risks referred to above.

American Cyanamid Company's liability under this warranty shall be limited to replacement of the material and shall not include consequential or incidental damages, or damages for profits or values of any crop or other property.

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

GENERAL INFORMATION

PENDULUM WDG Industrial Herbicide provides preemergent control of most annual grasses and certain broadleaf weeds as they germinate in noncropland areas and in established Christmas tree plantations.

PENDULUM WDG Industrial Herbicide controls weeds as they germinate, but will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment. PENDULUM WDG Industrial Herbicide may be used in conjunction with herbicides registered for postemergence use. Consult the labels of those herbicides for suggested treatments, rates to be used, and precautions or restrictions.

4. MAINTAIN CONTINUOUS AGITATION WHILE ADDING HERBICIDES UNTIL SPRAYING IS COMPLETED. If the spray mixture is allowed to settle, a period of time, though not necessarily essential, is required if a mixture before spraying is resumed. Continue agitation while spraying.

SPRAYING INSTRUCTIONS FOR PENDULUM WDG INDUSTRIAL HERBICIDE

Apply with properly calibrated ground equipment in sufficient water volume to provide uniform spray distribution. Low pressure (25-30 PSI) spray nozzles are recommended.

Maintain continuous agitation during spraying with good mechanical or bypass agitation. Nozzle screens must be no finer than 60 mesh.

Avoid application when wind velocity causes drift.

PENDULUM WDG Industrial Herbicide treatments in noncropland areas and Christmas tree plantations are most effective in controlling weeds when adequate rainfall is received within 30 days after application.

Avoid contact of spray solution with driveways, stone, wood or other porous surfaces. Rinse immediately to avoid staining.

CULTURAL PRACTICES FOLLOWING APPLICATION

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

Should weeds develop, shallow cultivation or rotary hoeing will generally result in better weed control. When cultivating for any reason, it should be shallow. A PENDULUM WDG Industrial Herbicide treatment may be followed by any registered herbicide to control weeds not listed on the PENDULUM WDG Industrial Herbicide label.



American Cyanamid Company
Agricultural Products Division
Specialty Products Department
Wayne, NJ 07470

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APPLICATION RATES

For preemergence control of the weed species listed, apply PENDULUM WDG Industrial Herbicide at the following rates:

Length of Control	PENDULUM WDG Industrial Herbicide Rate
Short Term Control (2-4 months)	3.3 lbs./Acre (1.2 oz/1,000 sq.ft.)
Long Term Control (6-8 months)	6.6 lbs./Acre (2.4 oz/1,000 sq.ft.)

PENDULUM WDG Industrial Herbicide will not control established weeds

NONCROPLAND WEED CONTROL

PENDULUM WDG Industrial Herbicide is recommended for preemergence control of most annual grasses and certain

broadleaf weeds as they germinate on noncropland areas such as railroad, utility, highway, and pipeline rights-of-way; highway guardrails, delineators, and sign posts; utility substations; petroleum tank farms; pumping installations; fence rows, storage areas; windbreaks and shelterbelts; and other similar areas.

For postemergence control of weeds, tank-mix combinations of PENDULUM WDG Industrial Herbicide 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 PENDULUM WDG Industrial Herbicide and ARSENAL herbicide prior to use.

WEED CONTROL IN AND AROUND ESTABLISHED PLANTINGS

PENDULUM WDG Industrial Herbicide is recommended for preemergence control of the weed species listed in and around established Christmas tree plantations and in and around es-

tablished ornamentals planted in noncropland areas such as highway rights-of-way, utility substations, or similar areas.

Precautions

Apply PENDULUM WDG Industrial Herbicide only to established plantings.

The efficacy of PENDULUM WDG Industrial Herbicide will be improved if the application is followed by one half inch of rain or its equivalent in sprinkler irrigation.

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 PENDULUM WDG Industrial Herbicide and roots. Directed sprays where soil and media surfaces are uniformly covered will result in best weed control and ornamental tolerance. Plant only those desirable plant species listed on this label into soil treated the previous season with PENDULUM WDG Industrial Herbicide or injury may occur.

RECOMMENDED SPECIES

PENDULUM WDG Industrial Herbicide sprays can be safely applied over the top of the established plants listed below:

TREES

Common Name	Scientific Name
Ash, Red	<i>Fraxinus pennsylvanica</i>
Birch, European Weeping	<i>Betula pendula</i>
Birch, River	<i>Betula nigra</i>
Cedar, Northern White	<i>Thuja occidentalis</i>
Cedar, Red	<i>Juniperus virginiana</i>
Chamaecyparis, Boulevard	<i>Chamaecyparis pisifera</i>
Crapemyrtle, Common	<i>Lagerstroemia indica</i>
Cryptomeria, Japanese	<i>Cryptomeria japonica</i> cv. "Nana"
Dogwood, Flowering	<i>Comus florida</i>
Dogwood, Silky	<i>Comus amonum</i>
Fir, Balsam	<i>Abies balsamae</i>
Fir, Douglas	<i>Pseudotsuga menziesii</i>
Fir, Fraser	<i>Abies fraseri</i>
Fir, White	<i>Abies concolor</i>
Hemlock, Eastern	<i>Tsuga canadensis</i>
Holly, American	<i>Ilex opaca</i> cv. "Tsuga"
Lilac, Common	<i>Syringa vulgaris</i>
Locust, Honey	<i>Gleditsia triacanthos</i> cv. "Inermis"
Maple, Red	<i>Acer rubrum</i>
Oak, Live	<i>Quercus virginiana</i>
Oak, Water	<i>Quercus nigra</i>
Peach	<i>Prunus persica</i>
Pine, Austrian	<i>Pinus nigra</i>

SHRUBS

Common Name	Scientific Name
Barberry, Red	<i>Barberis thunbergii</i> cv. "Atropurpurea Nana"
Bottlebrush	<i>Callistemon citrinus</i>
Boxwood, Common	<i>Buxus sempervirens</i>
Capejasmine	<i>Gardenia jasminoides</i> cv. "Mystery"
Cotoneaster, Rock	<i>Cotoneaster horizontalis</i>
Euonymus	<i>Euonymus alata</i> cv. "Compacta"
Firethorn	<i>Pyracantha coccinea</i>
Forsythia, Border	<i>Forsythia intermedia</i>
Hawthorne, Indian	<i>Raphiolepis indica</i>
Holly, Chinese	<i>Ilex cornuta</i>
Holly, Japanese	<i>Ilex crenata</i> cv. "Compacta"
Holly, Yaupon	<i>Ilex vomitoria</i> cv. "Shilings Dwarf"
Juniper, Chinese	<i>Juniperus chinensis</i> cv. "Gold Chrysalis" cv. "Pfitzer" cv. "Pfitzerana" cv. "Pfitzer Aurea" cv. "Pfitzer Glauca" cv. "Procumbens Nana" cv. "San Jose" cv. "Sea Green"
Juniper, Creeping	<i>Juniperus horizontalis</i> cv. "Wiltonii"
Juniper, Shore	<i>Juniperus conferta</i>
Juniper, Trailing	<i>Juniperus horizontalis</i> cv. "Plumosa" cv. "Prince of Wales" cv. "Youngstown"

SHRUBS

Common Name	Scientific Name
Yew	<i>Taxus media</i>
Yew, Japanese	<i>Taxus cuspidata</i>

GROUND COVERS

Common Name	Scientific Name
Ajuga	<i>Ajuga reptans</i>
Brush, Dwarf Coyote	<i>Baccharis chilensis</i>
Capeweed	<i>Arctotheca calendula</i>
Daisy, Trailing African	<i>Osteospermum fruticosum</i>
Euonymus	<i>Euonymus fortunei</i> cv. "Sarcocolla"
Gazania	<i>Gazania splendens</i>
Rose-of-Sharon	<i>Hibiscus calycinum</i>
Iceplant, Large Leaf	<i>Caryocotus edulis</i>
Ivy, English	<i>Hedera helix</i>
Ivy, Geranium	<i>Polygonum persicaria</i>
Mycoporium	<i>Myoporum parviflorum</i>
Pachysandra	<i>Pachysandra terminalis</i>
Potentilla	<i>Potentilla jackmanii</i>
Potentilla	<i>Potentilla verna</i>
Red Apple	<i>Aptenia cordifolia</i>
Rosemary	<i>Rosmarinus officinalis</i>
Sand Strawberry	<i>Fragaria chilensis</i>
Verbena, Peruvian	<i>Verbena peruviana</i>
Vinca	<i>Vinca minor</i> cv. "Bowling"

PERENNIALS

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Pine, Italian Stone	<i>Pinus pinea</i>
Pine, Loblolly	<i>Pinus taeda</i>
*Pine, Scotch	<i>Pinus sylvestris</i>
*Pine, Virginia	<i>Pinus virginiana</i>
Pine, White	<i>Pinus strobus</i>
Sourwood	<i>Oxydendron arboreum</i>
Spruce, Colorado Blue	<i>Picea pungens</i>
*Spruce, White	<i>Picea glauca</i>
* Do not use in California.	

SHRUBS	
Common Name	Scientific Name
Abelia, Glossy	<i>Abelia grandiflora</i> cv. "Grandiflora"
Azalea	<i>Rhododendron indicum</i>
Azalea	<i>Rhododendron</i> sp. cv. "Red Gumpo" cv. "White Gumpo"
Bamboo, Heavenly	<i>Nandina domestica</i>
Barberry, Japanese	<i>Berberis thunbergii</i> cv. "Atropurpurea"

Laurel, Mountain	<i>Kalmia latifolia</i>
Laurel, Schipka	<i>Prunus schipkanensis</i>
Lily-of-the-Nile	<i>Agapanthus africanus</i>
Ligustrum, Variegated	<i>Ligustrum sinensis</i> cv. "Variegata"
Mock Orange	<i>Pittosporum tobira</i>
Myrtle, Compact	<i>Myrtus communis</i> cv. "Compacta"
Myrtle, Wax	<i>Myrica cerifera</i>
Nandina	<i>Nandina domestica</i>
Oleander	<i>Nerium oleander</i> cv. "Sister Agnes"
Palm, European Fan	<i>Chamaerops humilis</i>
Photinia, Fraser	<i>Photinia X Fraseri</i>
Pieris, Japanese	<i>Pieris japonica</i>
Plum, Natal	<i>Carissa grandiflora</i>
Privet, California	<i>Ligustrum ovalifolium</i>
Privet, Waxleaf	<i>Ligustrum japonicum</i>
Spirea	<i>Spirea vanhouttei</i>

Common Name	Scientific Name
Aster, New York	<i>Aster novi-belgii</i>
Butterfly Weed	<i>Asclepias tuberosa</i>
Daylily	<i>Hemerocallis</i> sp. cv. "Tck-Tock"
Hosta	<i>Hosta</i> sp. cv. "Honeybell"
Liriope, Variegated	<i>Liriope muscari</i> cv. "Silver Sunproof"
Purple Loosestrife	<i>Lythrum virgatum</i> cv. "Morden's Cream"

ORNAMENTAL GRASSES	
Common Name	Scientific Name
Beach grass	<i>Ammophila breviflora</i>
Fescue, blue	<i>Festuca ovina</i> cv. "Glaucia"
Fountain grass	<i>Pennisetum setaceum</i>
Pampas grass	<i>Cortaderia selloana</i>
Ribbon grass	<i>Phalaris arundinacea</i> cv. "Picta"
Tufted hair grass	<i>Deschampsia cespitosa</i>

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WEED SPECIES CONTROLLED

The following grass and broadleaf weeds are controlled by preemergence treatments of PENDULUM WDG Industrial Herbicide at the rates recommended:

GRASSES CONTROLLED	
Common Name	Scientific Name
Barnyardgrass	<i>Echinochloa crus-galli</i>
Bluegrass, Annual	<i>Poa annua</i>
Crabgrass	<i>Digitaria</i> spp.
Crowfootgrass	<i>Dactyloctenium aegyptium</i>
Foxtail, Giant	<i>Setaria faberi</i>
Foxtail, Green	<i>Setaria viridis</i>
Foxtail, Yellow	<i>Setaria lutescens</i>
Goosegrass	<i>Eleusine indica</i>
Itchgrass	<i>Rottboellia exaltata</i>
Johnsongrass (from seed)	<i>Sorghum halepense</i>
Junglece	<i>Echinochloa colonum</i>
Lovegrass	<i>Eragrostis</i> spp.
Panicum, Browntop	<i>Panicum fasciculatum</i>
Panicum, Fall	<i>Panicum dichotomiflorum</i>
Panicum, Texas	<i>Panicum texanum</i>

GRASSES CONTROLLED	
Common Name	Scientific Name
Sandbur, Field	<i>Cenchrus incertus</i>
Signalgrass	<i>Bracharia platyphylla</i>
Sprangletop, Mexican	<i>Leptochloa unnerxia</i>
Sprangletop, Red	<i>Leptochloa filiformis</i>
Witchgrass	<i>Panicum capillare</i>
Woolly Cupgrass	<i>Eriochloa villosa</i>

BROADLEAF WEEDS CONTROLLED	
Common Name	Scientific Name
Carpetweed	<i>Mollugo verticillata</i>
Chickweed, Common	<i>Stellaria media</i>
Chickweed, Mouseear	<i>Cerastium vulgatum</i>
Clover, Hop	<i>Trifolium procumbens</i>
Cudweed	<i>Gnaphalium</i> spp.
Fiddleneck	<i>Amsinckia intermedia</i>
Filaree	<i>Erodium</i> spp.
Henbit	<i>Amium amplexicaule</i>

BROADLEAF WEEDS CONTROLLED	
Common Name	Scientific Name
Knotweed (prostrate)	<i>Polygonum aviculare</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters	<i>Chenopodium album</i>
Pigweed	<i>Amaranthus</i> spp.
Puncturevine	<i>Tribulus terrestris</i>
Purslane	<i>Portulaca oleracea</i>
Rusley, Florida	<i>Rottboellia scabra</i>
Rocket, London	<i>Sisymbrium irio</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Spurge, Annual	<i>Euphorbia</i> spp.
Spurge, Prostrate	<i>Euphorbia maculata</i>
Woodsorrel, Yellow	<i>Oxalis stricta</i>
Velvetleaf (Bullonweed)	<i>Abutilon theophrasti</i>

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