

Napropamide-Oxadiazon

4-2 Granules

ACCEPTED
with COMMENTS
In EPA Letter Dated
APR 8 1997

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

Active Ingredients:

Napropamide 4.0%
Oxadiazon: 2-tert-butyl-4-(2,4-dichloro-5-
isopropoxyphenyl)-x-1,3,4 oxadiazolin-5-one 2.0%

Inert Ingredients: 94.0%
Total 100.0%

Selective, Pre-emergent Granular Herbicide for Control
of Annual Grasses and Broadleaf Weeds in Container,
Field Grown Nursery Stock, Liner Stock, Ground
Covers, Shade/Lath Houses, and Landscape
Ornamentals

KEEP OUT OF REACH OF CHILDREN CAUTION

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

EPA REG. NO. 34704-771
EPA EST. NO. 34704-NB-01
NET WEIGHT: 50 LBS. (22.68 kg)

IHT

EXP12/96

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact
with eyes, skin or clothing. Wear long-sleeved shirt and long pants, socks
and shoes with waterproof gloves. Wash thoroughly with soap and water
after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long
pants, waterproof gloves, and 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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner
that meets with requirements listed in the Worker Protection Standard (WPS)
for agricultural pesticides (40 CFR 170.240 (d) (4-6)), the handler PPE
requirements may be reduced or modified as specified in the WPS.

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 thor-
oughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside
of gloves before removing. As soon as possible, wash thoroughly and
change into clean clothing.

STATEMENT OF PRACTICAL TREATMENT

If on Skin: Wash with plenty of soap and water. Get medical attention.

If in Eyes: Flush eyes with plenty of water. Get medical attention if irritation
persists.

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of
water and induce vomiting by touching back of throat with finger. If person is

unconscious, do not give anything by mouth and do not induce vomiting.
If Inhaled: Remove to fresh air. Seek medical attention if respiratory irrita-
tion occurs or if breathing becomes difficult.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, to areas where
surface water is present, or to intertidal areas below the mean high water
mark. Do not apply when weather conditions favor drift from areas treated.
Do not apply where runoff is likely to occur. Do not contaminate water when
disposing of equipment washwaters. Apply only as specified on this label.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent
with its labeling. 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. Do not apply
this product through any type of irrigation system.

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 require-
ments for the protection of agricultural workers on farms, forests, nurs-
eries, and greenhouses, and handlers of agricultural pesticides. It con-
tains requirements for training, decontamination, notification, and emer-
gency assistance. It also contains specific instructions and exceptions
pertaining to the statements on this label about personal protective equip-
ment (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 of 12 hours.

Exception: If the product is soil-injected or soil incorporated, the Worker
Protection Standard, under certain circumstances, allows workers to
enter the treated area if there will be no contact with anything that has
been treated.

Directions for Use: For early entry to treated areas that is permitted
under the Worker Protection Standard and that involves contact with any-
thing that has been treated, such as plants, soil, or water, wear:
coveralls over long-sleeved shirt and long pants, socks and chemical-
resistant footwear and waterproof gloves.

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 pesti-
cides (40 CFR Part 170). The WPS applies when this product is used to
produce agricultural plants on farms, forests, nurseries, or greenhouses.
Keep children and pets out of treated areas until dusts have settled.

STORAGE AND DISPOSAL

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

Storage: Store product in its original bag, in a cool, dry, locked place out
of the reach of children. Keep container closed when not in use.

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.

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GENERAL INFORMATION

This product is a selective, pre-emergent herbicide for control of many annual grasses and broadleaf weeds in turf and on a wide variety of woody ornamental shrubs, vines, and trees. This product controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply with a properly calibrated granular applicator that will apply the granules uniformly (uniform application is essential for satisfactory weed control). Calibrate the applicator prior to use, according to the manufacturer's directions, and check frequently during the application to be certain that the equipment is working properly. Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic purposes.

This product can be applied to newly planted container stock after soil has settled from first watering, field-grown nursery stock, dichondra, and to established plants.

This product is recommended on several different container potting soil mixtures. These mixtures include those containing 30% soil and/or sand and mixtures containing no soil (e.g., perlite, peat, bark, sawdust, and sand).

This product does not control established weeds. It must be applied to freshly weeded soil before weeds germinate or during fall and winter months.

GENERAL PRECAUTIONS

Read all instructions before using. Use only for recommended purposes and at recommended rates. Do not overdose.

HOW TO USE

Woody Ornamental Shrubs, Vines, Trees, and Conifer Nursery Application*

For maximum weed control, apply prior to weed seed germination. This product can be applied to both newly transplanted and established ornamentals. Application can be made to actively growing or dormant ornamentals. Rainfall or overhead irrigation after application will improve weed control activity. This product must not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of this product. Do not apply in greenhouses as plant injury may result from condensation of this product's active ingredients onto leaf surfaces in condensation. Do not apply to wet foliage.

*Conifer Nursery Application is Not a Registered Use in California.

This product may be used on the following established ornamentals and ground covers.

Agapanthus	Ajuga
Arborevitae	Ash, green
Azalea**	Bay, or Bay-rum tree
Boxwood, Japanese	Birch, paper
Bougainvillea	Black-laurel
Camellia, Japanese	Boxwood, common
Cedar, red	Camellia, common
Citrus, ornamental (lime, tangelo, temple, cuban shaddock)	Camellia, sasanqua
Cotoneaster**	Cedar, atlas
Croton	Crape myrtle**
Cypress	Cypress, leyland
Dogwood, common	Dogwood, red osier
Dogwood, kousa	Douglas fir
Eucalyptus	Euonymus, spreading
Euonymus, wintercreeper	Forsythia
Gardenia	Gazania, trailing
Heather, Scotch	Hemlock, eastern**
Hibiscus, Chinese or Hawaiian	Honeysuckle
hibiscus (crooked Celia, Jane Cowell, crooked Rose, hulagiri)**	Ice plant
Holly	Ivy, English
Ixora	Jasmine, primrose
Ivy, Algerian	Jasmine, showy
Jasmine, orange	Lantana, trailing
Jasmine, star	or Weeping lantana
Juniper	Leucothoe, coast
Larch, European	Lily-of-the-Nile
Leucothoe, drooping	Myrtle, wax
Magnolia, southern	or Sacred bamboo
Maple	Nandina
Oak	Oleander
Osmanthus	including Dwarf oleander
	Palm (bamboo, fishtail, licuala
	Macarthur, manac, maniala,
	parlor, rattan, sealing wax, sugar)

Palmello, wax

Photinia, fraser

Pine including Spruce Pine

or Cedar pine

Pittosporum, Japanese

Plum, natal

Poplar

Raphiolepis

Rose

Shower-of-gold

Spruce**

Viburnum

including Sandankwa**

Yew

**Varietal Sensitive, Refer to Sensitive Varieties Section for Additional Information

Sensitive Varieties

Under certain growing conditions, the plant varieties listed below may be sensitive to this product. Growers should evaluate usage on a small scale prior to large scale applications.

Plant Species	Varieties
Andromeda, Japanese (<i>Pieris japonica</i>)	Snowdrift, Temple bell
Azalea (<i>Rhododendron</i> spp.)	Pink champagne, Hershey, Leuchtenfuer, Memore John Hearrens, Hino-crimson, White grandeur, Everest, Girard Roberta
Cotoneaster (<i>Cotoneaster</i> spp.)	Elchholz, Himalayan, Shangri-la
Crape Myrtle, common (<i>Lagerstroemia indica</i>)	Petite red imp, Seminole bush
Heath, spring (<i>Erica carnea</i>)	Mediterranean pink
Hemlock, Eastern (<i>Tsuga canadensis</i>)	pendula
Hibiscus (<i>Hibiscus syriacus</i>)	Red heart
Rhododendron (<i>Rhododendron</i> spp.)	Daphnoides, Nova zembla, Catawba album
Spruce, Norway (<i>Picea abies</i>)	Pumila
Spruce, white (<i>Picea glauca</i>)	Densata
Viburnum (<i>Viburnum</i> spp.)	Davidil

Users who wish to apply this product on plant species not recommended on this label may determine the suitability for such uses by making a trial application at a recommended rate to a small number of plants. Prior to using this product on a large number of plants, the treated plants should be observed for any sign of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from the use of this product on plant species not recommended on this label.

Amount to Use

Ground Application - Apply broadcast or banded to ornamentals at 100 to 150 pounds of product per broadcast acre (or 2.25 to 3.44 pounds per 1000 square feet). Use the higher rate for harder-to-control weeds and the lower rate for easier-to-control weeds. Remove existing weed/grass growth before application.

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Annual Broadleaf Weeds

Bittercress	Liverwort
Bristly oxtongue	Niruri
Carpetweed	Pennsylvania smartweed
Coast fiddleneck	Petty spurge
Common chickweed	Pineapple-weed
Common groundsel	Prickly lettuce
Common mallow (Cheeseweed)	Prostrate knotweed
Common purslane	Prostrate spurge
Common ragweed	Redroot pigweed
Eveningprimrose	Sensitiveplant, (Patridgepea)
Filaree	Shepherdspurse
Fireweed	Sowthistle
Galinsoga	Speedwell
Garden spurge	Spiny amaranth
Golden ragwort	Spotted calscar
Horse purslane	Swinecress
Lambsquarters	Yellow woodsorrel
Little mallow	

Annual Grasses

Annual bluegrass	Large crabgrass
Annual sedge	Red sprangletop
Barnyardgrass	Ripgut brome
Bristly foxtail	Sandbur
Cheatgrass (<i>Bromus tectorum</i>)	Smooth crabgrass
Downy brome (<i>Bromus tectorum</i>)	Soft brome (<i>Bromus mollis</i>)
Fall panicum	Southwestern cupgrass
Giant foxtail	Stinkgrass
Goosegrass	Texas panicum
Green foxtail	Wild barley
Guineagrass	Wild oats
Italian ryegrass	Witchgrass
Johnsongrass, seedling	Yellow foxtail

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. PLANT 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 PLATTE. IN NO CASE SHALL PLATTE 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.

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