



Howard Johnson's

Viper™ Granular Weed Control

ACTIVE INGREDIENTS:
Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid* 1.346%
2,4-Dichlorophenoxyacetic Acid* 0.182%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡ 0.359%
Dicamba (3,6-Dichloro-o-Anisic Acid)*** 0.090%
OTHER INGREDIENTS: 98.023%

TOTAL: 100.000%
Isomer Specific Method, Equivalent to:
*2,4-Dichlorophenoxyacetic Acid 1.076%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid 0.359%
***3,6-Dichloro-o-anisic Acid 0.090%
‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

EPA REG. NO. 228-401-32802

EPA EST. NO. 32802-MO-1

Viper is a trademark of Nufarm Americas Inc.

Distributed by:
Howard Johnson's Enterprises, Inc.
700 W. Virginia Street, Milwaukee, WI 53204

Net Weight 50 lbs (22.68kgs)

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 the label, find someone to explain it to you in detail.)

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION - PRECAUCION

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTION EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All loaders, applicators, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks, and
- chemical-resistant gloves

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- 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.

FIRST AID

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Do not enter or allow people (or pets) to enter the treated area until dusts have settled. 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. Do not use this product on or near desirable plants, including within the dripline of the roots of desirable trees and shrubs, since injury may result.

This product is a stable mixture of four herbicides. It is for use on Ornamental Turf Lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields and Golf Courses (Fairways, Aprons, Tees and Roughs) and similar turf areas.

Not for use on turf grown for sale or other commercial use as sod, or commercial seed production, or for research purposes.

This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. DO NOT USE on Dichondra and Carpet grass. DO NOT USE this product where desirable clovers are present or allow the product to "wind drift" onto flowers, vegetables, ornamentals, shrubs, trees or other desirable plants.

This product is designed to control many broadleaf weeds such as:

Alder	Goldenrod	Scarlet pimpernel
Annual yellow	Ground ivy	Scotch thistle
Artichoke	Gumweed	Sheep sorrel
Aster	Hairy bittercress	Shepherdspurse
Austrian fieldcress	Hairy fleabane	Slender plantain
Bedstraw	Hawkweed	Smallflower galinsoga
Beggartick	Healall	Smartweed
Biden	Heartleaf drymary	Smooth dock
Bindweed	Hedge bindweed	Smooth pigweed
Bird vetch	Hedge mustard	Sneezeweed
Bitterweed	Hemp	Southern wild rose
Bitter wintercress	Henbit	Sowthistle
Black-eyed Susan	Hoary cress	Spanishneedle
Black medic	Hoary plantain	Spatterdock
Black mustard	Hoary vervain	Speedwell
Blackseed plantain	Honeysuckle	Spiny Amaranth
Blessed thistle	Hop clover	Spiny cocklebur
Blue lettuce	Horsenettle	Spotted catsear
Blue vervain	Horseail	Spotted knapweed
Box elder	Indiana mallow	Spotted spurge
Bracted plantain	Ironweed	Spurge
Brassbuttons	Jewelweed	Spurweed
Bristly oxtongue	Jimsonweed	Stinging nettle
Broadleaf dock	Kochia	Stinkweed
Broadleaf plantain	Knawel	Stitchwort
Broomweed	Knotweed	Strawberry clover
Buckhorn	Lambsquarter	Sumac
Buckhorn plantain	Lespedeza	Sunflower
Bulbous buttercup	Locoweed	Sweet clover
Bull nettle	Lupine	Tall nettle
Bull thistle	Mallow	Tall vervain
Burdock	Marshelder	Tansy mustard
Burning nettle	Matchweed	Tansy ragwort
Bur ragweed	Mexicanweed	Tanweed
Burweed	Milk vetch	Tarweed
Buttercup	Milkweed bloodflower	Thistle
Canada thistle	Mugwort	Tick trefoil
Carolina geranium	Morningglory	Trifolium
Carpetweed	Mouseear chickweed	Trailing Crownvetch
Catchweed bedstraw	Musk thistle	Tumble mustard
Catsear	Mustard	Tumble pigweed
Catnip	Narrowleaf plantain	Tumbleweed
Chickweed	Narrowleaf vetch	Velvet leaf
Chicory	Nettle	Venice mallow
Cinquefoil	Orange hawkweed	Veronica
Clover	Oxalis	Vervain
Cockle	Oxeye daisy	Vetch
Cocklebur	Parsley-piert	Virginia buttonweed
Coffeebean	Parsnip	Virginia creeper
Coffeeweed	Pearlwort	Virginia pepperweed
Common chickweed	Pennycress	Wavyleaf bullthistle
Common mullein	Pennywort	Western clematis
Common sowthistle	Peppergrass	Western salsify
Corn	Pepperweed	White clover
Chamomile	Pigweed	White mustard
Creeping jenny	Pineywoods bedstraw	Wild mustard
Crimson clover	Plains coreopsis	Wild aster
Croton	Plantain	Wild buckwheat
Cudweed	Poison hemlock	Wild carrot
Curly dock	Poison ivy	Wild four-o'clock
Curly indigo	Poison oak	Wild garlic
Dandelion	Pokeweed	Wild geranium
Dead nettle	Poorjoe	Wild lettuce
Dock	Povertyweed	Wild marigold
Dogbane	Prickly lettuce	Wild onion
Dogfennel	Prickly sida	Wild parsnip
Elderberry	Primrose	Wild radish
English daisy	Prostrate knotweed	Wild rape
Fall dandelion	Prostrate pigweed	Wild strawberry
False dandelion	Prostrate spurge	Wild sweet potato
False flax	Prostrate vervain	Wild vetch
False sunflower	Puncture vine	Willow
Fiddleneck	Purslane	Witchweed
Field bindweed	Ragweed	Woolly morningglory
Field pansy	Red clover	Woodsorrel
Flea bane (daisy)	Redroot pigweed	Woolly croton
Flaxweed	Red sorrel	Woolly plantain
Florida betony	Redstem filaree	Wormseed
Florida pusley	Rough cinquefoil	Yarrow
Frenchweed	Rough fleabane	Yellow rocket
Galinsoga	Roundleafed marigold	Yellowflower pepperweed, and other broadleaf weeds
Garlic mustard	Rush	
Goathead	Russian pigweed	
Goatsbeard	Russian thistle	
	St. Johnswort	

WHEN TO APPLY: Best results are obtained when weeds are growing actively in Spring or early Fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. Do not reseed for at least 3 to 4 weeks after application. Do not apply to newly seeded or sodded lawn until after 3 mowings. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain, sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed recommended rates because damage to turf may occur.

NOTE: When applying to Southern Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on Centipede and St. Augustine grasses. It is recommended that during hot, dry conditions, application rates should be reduced 50% to avoid possible dehydration or browning of grass.

HOW TO APPLY: This 50 pound bag should be used on 15,625 square feet. Apply evenly with a lawn spreader as a one pass application. A two pass application, criss-crossing the area at half the rate each time is also acceptable.

The following settings are approximate for applying contents of this package at a suggested rate of 3.2 pounds per 1,000 square feet. These settings are furnished only as a guide, Age, spreader condition, operating speed, and unevenness of terrain can cause variation in applied rates. Settings are based on an average walking speed. Reduce setting for slower speed; raise setting for higher speed. Check your spreader on 250 square feet and adjust to apply at the rate of 0.8 pounds per 250 square feet.

Spreader settings to apply at listed rate 3.2 lbs. per 1000 sq.	
Scotts Accu-Pro 2000	M
Scotts SR2000	M
Spyker 76-22	4
Lesco 021820	H(18)
PSB Bigfoot	J

Sweep (do not wash) all fertilizer materials from surfaces immediately after application, because certain fertilizer ingredients can cause permanent stains. Wash out spreader after each use and allow it to dry thoroughly. Treat any exposed metal spreader areas with oil to reduce corrosion
Limitations: The maximum rate per application is 3.2 pounds per 1,000 square feet, limited to 2 applications per year. The maximum seasonal rate is 6.4 pounds per 1,000 square feet, excluding spot treatments. Minimum of 30 days between applications.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizer, seed, or other pesticides. Do not stack more than two pallets high. Do not contaminate water, food or feed by storage or disposal.
PESTICIDE DISPOSAL: Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, clean up all spilled material. Improper disposal of excess pesticide, spray mixtures or rinsate is a violation of Federal law and may contaminate groundwater. 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: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available, or 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.

WARRANTY DISCLAIMER

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