



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%
<b>OTHER INGREDIENTS:</b> . . . . .	<b>98.023%</b>
<b>TOTAL:</b> . . . . .	<b>100.000%</b>
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. 59144-GA-1 (A), 32802-MO-1(B), 37351-CO-1 (C)

Viper is a Registered Trademark of Nufarm Americas Inc.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in [Washington Toxics Coalition, et al. v. EPA, C01-0132C, \(W.D. WA\)](#). For further information, please refer to: <http://www.epa.gov/espp/litstatus/wtc/index.htm>

Distributed for: **Howard Johnson's Enterprises, Inc.**  
9675 S 60th Street, Franklin, WI 53132

## Net Weight 20 lbs (9.07 kgs)

## 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. Wear Long pants, long-sleeved shirt, socks and shoes when applying this product. After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

### 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.

<b>FIRST AID</b>
<b>IF IN EYES</b>
<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

<b>HOT LINE NUMBER</b>
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. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

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.

This product is a stable mixture of four herbicides. It is for use on residential turf.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until dusts have settled.

Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. Apply this product directly to your lawn or garden, and sweep any product landing on the driveway, sidewalk, gutter, or street back onto the treated area. To prevent product run-off, do not over water the treated area(s) to point of runoff or apply when raining or when rain is expected that day. The maximum number of applications per treatment site is 2 per year.

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	Annual yellow	Artichoke	Aster	Austrian fieldcress	Bedstraw	Beggartick	Biden	Bindweed	Bird vetch	Bitterweed	Bitter wintercress	Black-eyed Susan	Black medic	Black mustard	Blackseed plantain	Blessed thistle	Blue lettuce	Blue vervain	Box elder	Bracted plantain	Brassbuttons	Bristly oxtongue	Broadleaf dock	Broadleaf plantain	Broomweed	Buckhorn	Buckhorn plantain	Bulbous buttercup	Bull nettle	Bull thistle	Burdock	Burning nettle	Bur ragweed	Burweed	Buttercup	Canada thistle	Carolina geranium	Carpetweed	Catchweed bedstraw	Catsear	Catnip	Chickweed	Chicory	Cinquefoil	Clover	Cockle	Cocklebur	Coffeebean	Coffeeweed	Common chickweed	Common mullein	Common sowthistle	Corn chamomile	Creeping jenny	Crimson clover	Croton	Cudweed	Curly dock	Curly indigo	Dandelion	Dead nettle	Dock	Dogbane	Dogfennel	Elderberry	English daisy	Fall dandelion	False dandelion	False flax	False sunflower	Fiddleneck	Field bindweed	Field pansy	Flea bane (daisy)	Fluxweed	Florida betony	Florida pusley	Frenchweed	Galinsoga	Garlic mustard	Goathead	Goatsbeard	Goldenrod	Ground ivy	Gumweed	Hairy bittercress	Hairy fleabane	Hawkweed	Healall	Heartleaf drymary	Hedge bindweed	Hedge mustard	Hemp	Henbit	Hoary cress	Hoary plantain	Hoary vervain	Honeysuckle	Hop clover	Horsenettle	Horsetail	Indiana mallow	Ironweed	Jewelweed	Jimsonweed	Kochia	Knawel	Knotweed	Lambsquarter	Lespedeza	Locoweed	Lupine	Mallow	Marshelder	Matchweed	Mexicanweed	Milk vetch	Milkweed bloodflower	Mugwort	Morningglory	Mouseear chickweed	Musk thistle	Mustard	Narrowleaf plantain	Narrowleaf vetch	Nettle	Orange hawkweed	Oxalis	Oxeye daisy	Parsley-piert	Parnsrip	Pearlwort	Pennycress	Pennywort	Peppergrass	Pepperweed	Pigweed	Pineywoods bedstraw	Plains coreopsis	Plantain	Poison hemlock	Poison ivy	Poison oak	Pokeweed	Poorjoe	Povertyweed	Prickly lettuce	Prickly sida	Primrose	Prostrate knotweed	Prostrate pigweed	Prostrate spurge	Prostrate vervain	Puncture vine	Purslane	Ragweed	Red clover	Redroot pigweed	Red sorrel	Redstem filaree	Rough cinquefoil	Rough fleabane	Roundleafed marigold	Rush	Russian pigweed	Russian thistle	St. Johnswort	Scarlet pimpernel	Scotch thistle	Sheep sorrel	Sheepspurse	Slender plantain	Smallflower galinsoga	Smartweed	Smooth dock	Smooth pigweed	Sneezeweed	Southern wild rose	Sowthistle	Spanishneedle	Spatterdock	Speedwell	Spiny Amaranth	Spiny cocklebur	Spotted catsear	Spotted knapweed	Spotted spurge	Spurge	Spurweed	Stinging nettle	Stinkweed	Stitchwort	Strawberry clover	Sumac	Sunflower	Sweet clover	Tall nettle	Tall vervain	Tansy mustard	Tansy ragwort	Tanweed	Tarweed	Thistle	Tick trefoil	Toadflax	Trailing Crownvetch	Tumble mustard	Tumble pigweed	Tumbleweed	Velvet leaf	Venice mallow	Veronica	Vervain	Vetch	Virginia buttonweed	Virginia creeper	Virginia pepperweed	Wavyleaf bullthistle	Western clematis	Western salsify	White clover	White mustard	Wild mustard	Wild aster	Wild buckwheat	Wild carrot	Wild four-o'clock	Wild garlic	Wild geranium	Wild lettuce	Wild marigold	Wild onion	Wild parsnip	Wild radish	Wild rape	Wild strawberry	Wild sweet potato	Wild vetch	Willow	Witchweed	Woolly morningglory	Woodsorrel	Woolly croton	Woolly plantain	Wormseed	Yarrow	Yellow rocket	Yellowflower pepperweed, and other broadleaf weeds
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**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 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 specified 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 20 pound bag should be used on 6,250 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 and disposal. **PESTICIDE STORAGE:** Store in a cool, dry place. Keep container closed and away from food, feedstuffs, and domestic water supplies.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container.

**If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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