

HJE

Howard Johnson's

VIPER®

WEED & FEED

THIS PRODUCT IS A PREMIUM GRADE HERBICIDE AND TURF FOOD COMBINATION WHICH CONTROLS A WIDE SPECTRUM OF BROADLEAF WEEDS WHILE PROVIDING BOTH FAST AND LONG FEEDING ACTION.

CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

ACTIVE INGREDIENTS:
 Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid* 1.077%
 2,4-Dichlorophenoxyacetic Acid* 0.146%
 (+)-R-2-(2-Methyl-4-Chlorophenoxy) propionic Acid**† 0.287%
 Dicamba (3,6-Dichloro-o-Anisic Acid)*** 0.070%
OTHER INGREDIENTS: 98.420%
TOTAL: 100.000%

Isomer Specific Method, Equivalent to:
 *2,4-Dichlorophenoxyacetic Acid (Total) 0.860%
 **(+)-R-2-(2-Methyl-4-Chlorophenoxy) propionic Acid 0.287%
 ***3,6-Dichloro-o-Anisic Acid 0.070%
 †CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

Viper is a Registered Trademark of Nufarm Americas Inc. US Patent #6,579,831

EPA REG. NO. 228-413-32802
 EPA EST. NO. 59144-GA-1 (A), 32802-MO-1(B), 37351-CO-1 (C)
 First letter of bag code shows establishment where manufactured.

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

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)
 Some materials that are chemical-resistant to this product are any water-proof materials. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes and socks, plus,
- chemical-resistant gloves (except for applications using groundboom equipment).

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:	
<ul style="list-style-type: none"> • 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	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment	
IF IN EYES	<ul style="list-style-type: none"> • 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.	

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

15-3-5

GUARANTEED ANALYSIS

Total Nitrogen (N)15%
 1.17% Ammoniacal Nitrogen
 13.83% Urea Nitrogen*
 Available Phosphate (P₂O₅)3%
 Soluble Potash (K₂O)5%

Derived From: Ammonium Phosphate, Muriate of Potash, Polymer Coated Urea, Urea

*3.00% Slowly Available Urea Nitrogen from Polymer Coated Urea

Chlorine (Cl), not more than . .6.00%

F315

Net Weight 50 lbs (22.67kgs)

ENVIRONMENTAL HAZARDS
 This pesticide may be toxic to fish and aquatic invertebrates and may be 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. 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.

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.

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 12,500 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 equal to one application.

Limitations: The maximum rate per application is 4 pounds per 1,000 square feet, limited to 2 applications per year. The maximum seasonal rate is 8 pounds per 1,000 square feet. Minimum of 30 days between applications.

This product is designed to promote lush green growth in lawns and controls many broadleaf weeds such as:

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

SPREADER SETTINGS		
Apply at the listed pounds per 1000 square feet		
	Cone setting	4 lbs
Spyker 76-22		4.5
Lesco 021820	0.25 closed	E 1/2
SR 2000	6	N
Lely HR	II-B	6
PSB Bigfoot	A,5	K 1/2
AccPro2000	6	M 1/2
Vison 203		17
Cub Cadet		14

The following settings are approximate for applying contents of this package at a suggested rate of 4 pounds per 1,000 square feet. 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 1 pound per 250 square feet.

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.

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 stack more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

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.

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