



Long Lasting

Lawn Fertilizer

with Viper® broadleaf herbicide

22-0-8



Distributed by: Howard Johnson's Enterprises, Inc. 9675 South 60th Street, Franklin, WI 53132
 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* 1.196%
 2,4-Dichlorophenoxyacetic Acid* 0.162%
 (+)-R-2-(2-Methyl-4-Chlorophenoxy) propionic Acid**‡ 0.319%
 Dicamba (3,6-Dichloro-o-Anisic Acid)*** 0.080%
 OTHER INGREDIENTS: 98.243%
 TOTAL: 100.000%

Isomer Specific Method, Equivalent to:
 *2,4-Dichlorophenoxyacetic Acid (Total) 0.955%**(+)-R-2-(2-Methyl-4-Chlorophenoxy) propionic Acid 0.319%***
 3,6-Dichloro-o-Anisic Acid 0.080%

‡ CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-P
 Viper is a registered trademark of Nufarm Americas Inc. All other trademarks are the property of their respective owners. This product is protected by U.S. Patent No. 6,579,831. No license granted under any non-U.S. Patent(s).
 EPA REG. NO. 228-412-32802
 EPA EST. NO. 59144-GA-1(A), 32802-MO-1(B), 37351-CO-1(C)

GUARANTEED ANALYSIS

Total Nitrogen (N) 22.00%
 Urea Nitrogen* 22.00%
 Soluble Potash (K₂C) 8.00%
 Iron (Fe) 1.00%
 0.01% Water Soluble Iron (Fe)

Derived From: FERROUS SUCRATE, MURIATE OF POTASH, UREA

* 11.00% Nitrogen stable w/dicyandiamide & N-(n-butyl)thiophosphoric triamide

Chlorine (Cl), not more than. 6.00%
 F315

FGB61800

Net Weight 18 lbs (8.20 kg)

Do **This 18lb bag covers approximately 5,000 square feet**

KEEP OUT OF REACH OF CHILDREN-

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
 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.

FIRST AID

IF IN EYES	<ul style="list-style-type: none"> Hold open eye 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.
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 is 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 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.

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.

not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do not apply within 25 feet of rivers, fishponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. Apply this product directly to your lawn 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 the point of runoff or apply when raining or when rain is expected that day. Do not apply more than 2 applications per year, including broadcast applications in combination with spot treatments.

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

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 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 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 18 pound bag should be used on 5,000 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. 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. A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing .80 pounds of nitrogen per 1,000 square feet and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

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

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

SPREADER SETTINGS apply at the listed pounds per 1000 square feet 3.6 lbs

Dyna Green Broadcast	13.5
Ames Drop or Rotary	14
Earthway Drop or Rotary	14
Precision Red Devil Drop or Rotary	6
Repuplic Drop or Rotary	5.5
Scotts AccuGreen Drop	7.5
Scotts EvenGreen EV-1 Drop	7
Scotts PrecisionGreen Drop	6.5
Scotts EasyGreen EG-3 Rotary	27
Scotts SpeedyGreen Rotary	6

The following settings are approximate for applying contents of this package at a suggested rate of 3.6 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 0.9 pound per 250 square feet.

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container and keep any bags containing unused product in locked storage area inaccessible to children and domestic animals. Do not store near feed or foodstuffs. To prevent cross-contamination, do not store near open containers of fertilizer, seed, or other pesticides.

CONTAINER DISPOSAL: 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

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(RV091710N)

Viper 1.757% Retail 18# 228-412 Nufarm 12-18-2009 (hje 10-9-12)