

Hi-Yield[®]

Grass Killer

Postemergence Grass Herbicide

- **Systematic Selective Herbicide Kills Weedy Grasses Without Injuring Desirable Plants.**
- **Controls: Bermudagrass, Crabgrass, Foxtails, Quackgrass And many other Weedy Grasses.**
- **Concentrate Makes 8 Gallons of Spray Solution.**

ACTIVE INGREDIENT:

Sethoxydim: 2-[1(ethoxyimino)butyl]-
5-[2-(ethylthio)propyl]-3-hydroxy-2-
cyclohexen-1-one* 18.0%

OTHER INGREDIENTS: 82.0%

TOTAL: 100.0%

*Equivalent to 1.5 lbs sethoxydim per gallon.

**KEEP OUT OF REACH
OF CHILDREN**

WARNING

See The Attached Booklet For Complete
Precautionary Statements, Directions For
Use, First Aid, Conditions Of Sale And
Warranty, and state-specific crop and/or
use site restrictions.

NET CONTENTS 8 FL. Ozs.

FIRST AID

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.
If on Skin or Clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.
If Swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• DO NOT give any liquid to the person.• DO NOT induce vomiting unless told to do so by a poison control center or doctor.• DO NOT give anything by mouth to an unconscious person.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

In the event of a medical or chemical emergency, contact **ChemTel**  **INC.**
North America 1-800-255-3924 or Worldwide Intl. + 01- 813-248-0585

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

Manufactured For:



230 FM 87 • BONHAM, TEXAS 75418

NVA: 2009-04-025-127

EPA Reg. No. 7969-58-7401

EPA Est. No. 7401-TX-1



PEEL FROM CORNER OF BOOKLET

xxM-13-311K

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING Causes substantial but temporary eye injury. Causes skin irritation. Harmful if absorbed through skin or swallowed. **DO NOT** get in eyes, on skin, or on clothing. Wear long-sleeved shirt, long pants, chemical-resistant gloves made of any water proof material, protective eyewear, shoes, and socks. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

RE-ENTRY STATEMENT

DO NOT allow people or pets to come into contact with treated areas until spray has dried.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms. 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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

ENDANGERED SPECIES CONCERNS

The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of federal law.

PHYSICAL AND CHEMICAL HAZARDS

COMBUSTIBLE. DO NOT use or store near heat or open flame.

Intended for residential/homeowner use on and around:

Flowers	Trees	Ornamental-
Evergreens	Fruits*	Groundcovers
Shrubs	Vegetables*	Bedding Plants

*See **Table 2. Fruits and Vegetables** for specific crops.

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.

STORAGE AND DISPOSAL

PESTICIDE STORAGE

Store unused product in original container only, out of the reach of children and animals. **NEVER TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR STORAGE.**

CONTAINER DISPOSAL

Nonrefillable container. DO NOT reuse or refill this container. **If empty:** offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTE: Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith. Voluntary Purchasing Groups, Inc. warrants this product to conform to the chemical description on the label and for the purposes stated on the label. The limit of any liability incurred shall be the purchase price paid by the User or Buyer.

READ ENTIRE LABEL FOR DIRECTIONS FOR USE AND PRECAUTIONARY STATEMENTS.

This product is a selective systemic grass killer to eliminate existing weedy grasses growing in and around plant beds, landscapes, and individual shrubs and trees. (See **Tolerant Plants.**) This product can be used through a hose-end sprayer according to the directions of the sprayer used or through a tank-type sprayer.

This product can also be used around listed fruit and vegetable areas, (see **Table 2**), wherever listed weedy grasses occur. Use only tank-type sprayers.

WEEDY GRASSES CONTROLLED

This product kills most annual and hard-to-kill perennial grasses up to 1 foot high including the examples listed below in one or two applications. Younger, actively growing seedling weeds are more easily killed than older, mature, well-established grassy weeds which may require a repeat application for control. Adding oil concentrate may help control of grassy weeds.

Barnyardgrass	Junglerice
Bermudagrass	Lovegrass
Broadleaf Signalgrass	Orchardgrass - Seedling
Crabgrass -	Quackgrass
Large, Smooth	Tall Fescue - Seedling
Fall Panicum	Texas Panicum
Foxtails - Giant,	Shattercane/Wildcane
Green, Yellow	Wild Proso Millet
Goosegrass	Wirestem Muhly
Johnsongrass -	Witchgrass
Seedling, Rhizome	Wooly Cupgrass

Note: This product does not control sedge (including Nutsedge or Nutgrass), annual bluegrass, or broadleaf weeds. Red Fescue, Chewings Fescue, Hard Fescue, and Dichondra Turfs are also tolerant to this product.

APPLICATION TIMING

Apply when grassy weeds are actively growing, not exceeding the minimum of days from application to harvest when used on vegetables and fruits. Warm sunny weather will accelerate systemic movement from leaves and stems down to the roots to give complete kill. **DO NOT** mow or cut off tops of weeds before spraying. **DO NOT** apply if rainfall is expected within one hour following application. Growth of treated grass stops soon after application. Grass turns yellow and dies within one to three weeks depending on the grass species, stage of growth and weather conditions. Cool weather, drought and heat stress slows activity.

TABLE 1. Hi-Yield Grass Killer (concentrate) and Oil Concentrate Dilution

Water (gals)	Hi-Yield Grass Killer		Oil Concentrate*		Coverage (sq ft)
	Fluid Ounces	Tbsp.	Fluid Ounces	Tbsp.	
1	1	2	1	2	1,800
3	3	6	3	6	5,400
5	5	10	5	10	9,000
8	8	16	8	16	14,400

One gallon of spray will treat 1,800 square feet.

*To prevent leaf burn of desirable plants, **DO NOT** use oil concentrate when comfort index (temperature °F + humidity) exceeds 150.

HOSE-END SPRAYER APPLICATION

Water Dilution/Premixing Not Needed. Determine the area to treat in square feet. Pour 1 fluid ounce of this product and 1 fluid ounce of oil concentrate in the hose-end sprayer bottle for each 1,800 square feet to be treated. Apply 1 fluid ounce per gallon. After application, wash the sprayer with a dilute soap solution and rinse according to the sprayer instructions.

Water Dilution/Premixing Needed. Some hose-end applicators recommend premixing liquid products with water before pouring into the sprayer bottle. Read the hose-end sprayer instructions for making treatments at 1 fluid ounce per 1,800 square feet. Clean the sprayer after use according to the sprayer instructions.

TANK SPRAYER APPLICATION

Mix 1 fluid ounce of this product plus 1 fluid ounce oil concentrate per 1 gallon water; spray to just wet the unwanted weedy grasses. One gallon of spray will treat 1,800 square feet. Wash sprayer by flushing soapy water through the sprayer; then flushing clean water through the sprayer.

Important:

For spot treating grassy weeds near lawns and around sensitive plants, a tank-type sprayer is recommended. Spray carefully to avoid spray or drift contact with desirable plants. If drift occurs, wash off foliage immediately with water.

**FLOWERS, BEDDING PLANTS,
EVERGREENS, SHRUBS,
TREES AND ORNAMENTAL GROUNDCOVERS**

This product may be applied over the top of desirable plants infested by weedy grasses, or as a directed spray to weedy grasses at the labeled rate. **DO NOT** exceed dosage rate per gallon of spray. Most ornamental species tested have been found tolerant to this product (see **Tolerant Plants** list). However, use with caution around the following plants as they may be damaged if spray contacts foliage: Azaleas (var. Snow), Japanese Privet, Potentilla, Snow in Summer, Red Oak and White Oak and ornamental grass.

This product may also be used on the following nonbearing food plants. **DO NOT** apply within 1 year of harvest.

Avocados Dates Figs Olives
Plums Pomegranates Prunes

**FRUITS AND VEGETABLES
(use only with tank-type sprayers)**

Use this product on the fruits and vegetables listed in **Table 2. Fruits and Vegetables**. **DO NOT** apply on or around any fruits and vegetables not listed on this label, especially Sweet Corn. **Apply on and around tolerant fruits and vegetables with a tank-type sprayer only**. A second application may be made to all listed fruits and vegetables except Peanut and Strawberry.

The quantities presented in **Table 1. Hi-Yield Grass Killer (concentrate) and Oil Concentrate Dilution** do not exceed the registered rates for the fruits and vegetables listed. **DO NOT** exceed the quantities presented.

TABLE 2. FRUITS AND VEGETABLES

CROP	MINIMUM TIME FROM LAST APPLICATION TO HARVEST (days)
Apple	14
Apricot	25
Artichoke (California only)	7
Asparagus	1
Beans, Green	15
Beans, Dry	30
Beet (garden)	60
Blackberry	45
Blueberry ¹	30
Broccoli	30
Cabbage	30
Cantaloupe	14
Carrots	30
Cauliflower	30
Celery	30

FRUITS AND VEGETABLES (continued)	
CROP	MINIMUM TIME FROM LAST APPLICATION TO HARVEST (days)
Cherries (Sweet and Sour)	25
Citrus	15
Crabapple	14
Cranberries ¹	60
Cucumber	14
Eggplant	20
Endive (Florida only)	15
Grape	50
Horseradish	60
Lentils ¹	50
Lettuce, head	30
Lettuce, leaf	15
Loganberry	45
Mint	20
Muskmelon	14
Nectarine	25
Onion, Garlic	30
Peach	25

FRUITS AND VEGETABLES (continued)	
CROP	MINIMUM TIME FROM LAST APPLICATION TO HARVEST (days)
Peanut ²	40
Pear	14
Peas, green	15
Peas, dry	30
Pepper	20
Potato	30
Pumpkin	14
Quince	14
Raspberry	45
Spinach	15
Squash (all)	14
Strawberry ²	7
Tomato	20
Tree Nuts	15
Watermelon	14

¹Not for use in California

²Use no more than one application per season. Up to two applications per season may be made on all other plants.

TOLERANT PLANTS

Trees - Common Name

Acacia, Knife Leaf	Jacaranda
Arborvitae, Eastern	Kentucky Coffee Tree
Ash, Green	Larch, European
Basswood, American	Laurel, Indian
Berkman's, Oriental	Linden
Birch	Linden, Littleleaf
Black Locust	Locust, Honey
Bottle-brush	Loquat
Bottle Tree	Magnolia, Southern
Brisbane Box Tree	Maple, Red
Cajeput Tree	Mimosa Tree
Carob Tree	Myoporum
Carrot Wood	New Zealand Christmas Tree
Catalpa, Southern	Oak
Cherry, Black	Olive Tree
Crabapple, Flowering	Olive, Russian
Cypress, False	Orchid Tree, Purple
Dogwood, Flowering	Osage Orange
Elm, Chinese Evergreen	Palm, Mediterranean Fan
Eucalyptus	Palo Verde, Green
Fir	Paulownia Royal
Goldenrain Tree	Pear, Common
Guava	Pepper, Brazilian
Gum, Blue	Pine, Aleppo
Hackberry, Common	Plum, Wild
Hemlock, Canadian	Poplar, Hybrid
Holly, Chinese	Popular, Yellow, Tulip Tree
Ironbark, Red	

Trees - Common Name (continued)

Purpleleaf, Bailey Acacia	Sweet Gum
Redwood, Coast	Sycamore
Sandcherry, Western	Tea Tree, Australian
Sensitive Plant	Tipu Tree
Silk Tree	Walnut, Black
Spruce, Black Hills	Weeping Fig, Exoctica
Strawberry Tree	Willow
Sumac, Standard, African	Yate, Bushy
	Yew, English

TOLERANT PLANTS**Shrubs - Common Name**

Abelia, Glossy	Copper Plant, Caribbean
Acacia, Bailey	Cotoneaster, Bearberry
Andromeda	Coyote Bush
Arborvitae, Oriental	Cranberry Bush,
Arrowwood, Southern	American
Azalea, Mollis hybrid	Crape Myrtle
Bamboo, Heavenly	Currant, Alpine
Barberry, Japanese	Dogwood, Red Osier
Bird Of Paradise Bush	Elaeagnus
Bluebeard	Escallonia
Boxwood, Common	Euonymus, Evergreen
Buckthorn, Glossy, Alder	Fig, Creeping
Camellia	Firethorn
Cedar, Eastern Red	Forsythia, Greenstem
Cherry, Brush	Flax, New Zealand
Chokecherry sp.	Fuchsia, Australian

Shrubs - Common Name (continued)

Gardenia	Oleander
Gold Vine, Guinea	Orchid, rockrose
Hakea	Oregon Grape
Hawthorn, Indian	Osmanthus, Holly-leaf
Hibiscus, Blue	Palm, Natal
Hibiscus, Chinese	Pampas Grass
Holly, Dwarf Burford	Photinia
Honeysuckle, Bush	Photinia, Fraser
Hydrangea	Pink Lady
Jasmine Asiatic	Pink Powder Puff
Jessamine, Carolina	Pittosporum, Variegated
Jojoba	Japanese
Juniper, Chinese	Plumbago, Cape
Lantana, Purple Trailing	Podocarpus, Yew
Laurustinus	Privet
Lemonade Sumac	Purple Hop Bush
Lilac, Common Purple	Pyracantha
Liriope, Green	Rhododendron –
Mickey Mouse Bush	Azalea
Mirror Plant, Creeping	Sandcherry, Purpleleaf
Mock Orange	Serviceberry, Allegheny
Mountain Lilac, Carmel	Silver King
Creeper	Sky Flower, Brazilian
Myrtle, Dwarf	Snowball Bush
Nandina, Heavenly	Spindle Tee
Bamboo	Spirea
Nannyberry	Star Plant, Lavender
Ninebark	Tea Tree, Australian

Shrubs - Common Name (continued)

Texas Ranger	Wheeler's Dwarf,
Toyon, California Holly	Variegated
Trumpet Vine, Pink	Yellow Bells
Veronica	Yesterday-Today-and-
Viburnum, Japanese	Tomorrow
Wayfaring Tree	Yew
Weeping Fig, Exotica	

TOLERANT PLANTS (continued)**Ornamentals & Bedding Plants - Common Name**

Alyssum	Coneflower, Purple
Asparagus, Myers	Coralbells
Aster, New York	Coreopsis
Baby's Breath	Cup of Gold Vine
Begonia	Daffodil
Bellflower, Tussock	Dahlia
Bittersweet, American	Daisy Bush
Black-Eyed Susan	Daisy Bush, Blue
Bleeding Heart	Daylily
Butterfly Weed	Dianthus
Bower Vine	Dragonhead, False
Cactus, Barrel	Dusty Miller
Candytuft	Fern, Sprenger's
Canna	Asparagus
Cassia, Feathery	Fescue, Blue
Chrysanthemum,	Flowering Tobacco
Margarite	Fountain Grass, Red
Cockscomb	Gazania
Coleus	Geranium

Ornamentals & Bedding Plants - Common Name
(continued)

Gerbera Daisy	Petunia
Geum	Phlox, Perennial
Gladiolus	Plantain Lily
Heather, False	Purple Loosestrife
Honeysuckle, Amar	Raspberry Ice
Honeysuckle, Fly	Sage
Hopseed Bush, Purple	Sea Pinks, Thrift
Impatiens	Sedum Stonecrop
Iris	Shrimpplant
Ivy, Grape	Sky Flower, Brazilian
Jack-in-the-Pulpit	Snail Vine
Jade Plant	Snapdragon
Jasmine, Madagascar	Speedwell, Spike
Lamb's Ear	Statice, Perennial
Lavender, English	Stock
Lilac, Chinese	Sweet Grass
Lily-of-the-Nile, Peter	Sweet William
Pan	Transvaal Daisy
Lily-of-the-Valley	Trumpet Vine, Blood
Lobelia	Red
Marigold	Tulip
Mirror Plant	Verbena
Moneywort, Creeping	Wandering Jew
Jenny	Wisteria
Moss, Rose	Yarrow
Pansy, Johnny-Jump-Up	Yellow Trumpet
Pepper, Ornamental	Zinnia
Periwinkle, Madagascar	

TOLERANT PLANTS (continued)**Ground Covers - Common Name**

Aaron's Beard	Lily-turf, Big Blue
Aptenia	Lippla
Bergenia, Winter-blooming	Mondo Grass
Bugleweed	Myoporum
Capeweed	Pachysandra
Carpathian, Harebell	Periwinkle
Cinquefoil, Spring	Plumbago, Dwarf
Coyote Brush	Pork and Beans
Crownvetch	Rosea Ice Plant
Cushion Bush	Rosemary, Dwarf
Daisy, Trailing African, Freeway	Rupture Wort
Gazania, Trailing	St. Johnswort, Creeping
Green Carpet	Stonecrop, Sedum
Ivy, Algerian	Verbena
Lantana, Lavender	

CONDITIONS OF SALE AND WARRANTY

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result, because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Voluntary Purchasing Groups, Inc. ("VPG") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

VPG warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VPG MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND VPG'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VPG AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR

INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VPG AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. VPG and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of VPG.

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Manufactured For:



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