

Hi-Yield[®]

Grass Killer

Postemergence Grass Herbicide

- **Systemic Selective Herbicide Kills Weedy Grasses Without Injuring Desirable Plants**
- **Controls: Bermudagrass, Crabgrass, Foxtails, Quackgrass and Many Other Weedy Grasses**
- **Concentrate Makes 16 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 formulated
as an emulsifiable concentrate.

Contains petroleum distillate

**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 ONE PINT (16 FL. OZ./ 473 ML)

Hi-Yield® Grass Killer

PEEL FROM CORNER OF BOOKLET

FIRST AID

If In Eyes	<ul style="list-style-type: none">• Hold eyes 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 eyes.• 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.
If Inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.• Call a poison control center or doctor for further 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.

In the event of a medical or chemical emergency, contact ChemTel 
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.

Hi-Yield® is a registered trademark of Voluntary Purchasing Groups, Inc.

Manufactured For:



230 FM 87
BONHAM, TEXAS 75418
EPA Reg. No. 7969-58-7401
EPA Est. No. 7401-TX-1
NVA: 2009-04-025-127
Product Questions?
855-270-4776



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230 FM 87 • BONHAM, TX 75418

EPA Reg. No. 7969-58-7401

EPA Est. No. 7401-TX-1

Visit Us At: www.hi-yield.com

NVA: 2009-04-025-0127

31135-0914-CL



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.

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

STORAGE AND DISPOSAL

PESTICIDE STORAGE

DO NOT allow this product to freeze. **DO NOT** store below 32° F or above 100 F. Store unused product in original container only, out of the reach of children and animals. **NEVER TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR STORAGE.**

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 or outdoor drain.

NOTE: Buyer assumes all liability, including personal injury and property damage which may result from the use of this product in a manner inconsistent with labeling directions. If these terms are not acceptable, return at once unopened.

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 following examples 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 grassy weeds.

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

Note: This product does not control sedge (includ-

ing 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 non-bearing food plants. **DO NOT** apply within 1 year of harvest.

Avocados Dates Figs Olives Plums
Pomegranates Prunes

FRUITS AND VEGETABLES

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 ,Root Vegetables, 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

TABLE 2. 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
Dill ¹	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
Okra	14

TABLE 2. FRUITS AND VEGETABLES
(Continued)

CROP	MINIMUM TIME FROM LAST APPLICATION TO HARVEST (days)
Onion, Garlic	30
Peach	25
Peanut ²	40
Pear	14
Peas, green	15
Peas, dry	30
Pepper	20
Potato	30
Pumpkin	14
Quince	14
Raspberry	45

TABLE 2. FRUITS AND VEGETABLES
(Continued)

CROP	MINIMUM TIME FROM LAST APPLICATION TO HARVEST (days)
Root Vegetables ^{1,2} Black Salsify Celeriac Chervil, turnip-rooted Chicory Edible Burdock Oriental Radish Parsley, turnip-rooted Parsnip Radish Rutabaga Salsify Skirret Spanish Salsify Turnip	14
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	Fir
Arborvitae, Eastern	Fir, Douglas
Arborvitae, Berkman's,	Fir, Frasier
Oriental	Fir, White
Ash, Green	Goldenrain Tree
Ash, Mountain	Guava
Ash, White	Guava, Pineapple
Basswood, American	Gum, Blue
Berkman's, Oriental	Gum, Lemon-Scented
Birch	Gum, Red Box
Birch, Asian White	Hackberry, Common
Birch, European White	Hemlock, Canadian
Birch, Paper	Holly, Chinese
Birch, River, Black	Holly, Hybrid
or Red	Holly, Japanese
Black Locust	Holly, Yaupon
Bottle-brush	Ironbark, Red Jacaranda
Bottle Tree	Kentucky Coffee Tree
Brisbane Box Tree	Larch, European
Cajeput Tree	Laurel, Indian
Carob Tree	Linden
Carrot Wood	Linden, Littleleaf
Catalpa, Southern	Locust, Honey
Cherry, Black	Loquat
Cherry, Carolina	Magnolia, Southern
Crabapple, Flowering	Maple, Japanese
Cypress, False	Maple, Red
Cypress, Italian	Maple, Silver
Cypress, Leyland	Mimosa Tree
Dogwood, Flowering	Myoporum
Dogwood, Pagoda	New Zealand Christmas
Dogwood, Silky	Tree
Elm, Chinese Evergreen	Oak
Eucalyptus	Oak, Water

TOLERANT PLANTS

Trees - Common Name

Oak, Willow	Pine, Southern Pine, Virginia
Olive Tree	Pine, Western Yellow
Olive, Russian	Pine, White
Orchid Tree, Purple	Pine, Yew
Osage Orange	Pine, Wild
Palm, Mediterranean	Popular, Yellow, Tulip
Fan	Tree
Palm, Pygmy Date	Purpleleaf, Bailey Acacia
Palm, Queen	Redwood, Coast
Palm, Sago	Sandcherry, Western
Palm, Windmill	Sensitive Plant
Palo Verde, Green	Silk Tree
Paulownia Royal	Spruce, Black Hills
Pear, Common	Spruce, Colorado Blue
Pear, Evergreen	Spruce, Norway
Pear, Ussurian	Spruce, White
Pepper, Brazilian	Strawberry Tree
Pine, Aleppo	Sumac
Plum, Wild	Sumac, Standard, African
Poplar, Hybrid	Sweet Gum
Pine, Austrian	Sycamore
Pine, Canary Island	Tea Tree, Australian
Pine, Caribbean Slash	Tipu Tree
Pine, Italian Stone	Walnut, Black
Pine, Jack	Weeping Fig, Exotica
Pine, Japanese	Willow
Pine, Japanese Black	Willow, Australian
Pine, Loblolly	Willow, Desert
Pine, Mugo	Willow, Peppermint
Pine, Ponderosa	Yate, Bushy
Pine, Red	Yew, English
Pine, Scotch	
Pine, Shore	
Pine, Slash	

TOLERANT PLANTS

Shrubs - Common Name

Abelia, Glossy	Cotoneaster, Caribbean
Acacia, Bailey	Cotoneaster, Cranberry
Acacia, Knife Leaf	Cotoneaster, Peking
Acacia, Prostrate	Coyote Bush
Acadia, Sydney Golden	Cranberry Bush, American
Wattie	
Andromeda	Cranberry Bush Golden
Arborvitae, Oriental	Crape Myrtle
Arrowwood, Southern	Currant, Alpine
Azalea, Mollis hybrid	Dogwood, Red Osier
Azalea, Northern Lights	Elaeagnus
Hybrid	Escallonia
Bamboo, Heavenly	Euonymus, Evergreen
Barberry, Japanese	Euonymus, winged
Barberry, Korean	Fig, Creeping
Barberry, Redleaf	Firethorn
Bird Of Paradise Bush	Forsythia, Greenstem
Bluebeard	Flax, New Zealand
Boxwood, Common	Fuchsia, Australian
Boxwood, Japanese	Gardenia
Buckthorn, Glossy, Alder	Gardenia, Dwarf
Camellia	Gold Vine, Guinea
Cedar	Hakea
Cedar, Eastern Red	Hawthorn, Indian
Cherry, Brush	Hibiscus, Blue
Cherry, Manchu	Hibiscus, Chinese
Chokecherry sp.	Holly, Dwarf Burford
Copper Plant, Caribbean	Honeysuckle, Bush
Cotoneaster, Bearberry	Honeysuckle, Cape

TOLERANT PLANTS

Shrubs - Common Name *(Continued)*

Hydrangea	Orchid, rockrose
Jasmine Asiatic	Oregon Grape
Jasmine, Orange	Osmanthus, Holly-leaf
Jasmine, Star	Palm, Natal
Jasmine, Winter	Pampas Grass
Jessamine, Carolina	Photinia
Jojoba	Photinia, Fraser
Juniper, Chinese	Pink Lady
Juniper, Creeping	Pink Powder Puff
Juniper, Ozark	Pittosporum, Variegated
Juniper, Rocky Mountain	Japanese
Juniper, Savin	Plumbago, Cape
Juniper, Shore	Podocarpus, Yew
Juniper, Tam	Privet
Lantana, Purple Trailing	Privet, Glossy
Laurustinus	Privet, Japanese
Lemonade Sumac	Privet, Texas
Lilac, Common Purple	Privet, Waxleaf
Liriope, Green	Purple Hop Bush
Liriope, Variegated	Pyracantha
Mickey Mouse Bush	Rhododendron –
Mirror Plant, Creeping	Azalea
Mock Orange	Sandcherry, Purpleleaf
Mountain Lilac, Carmel	Serviceberry, Allegheny
Creeper	Silver King
Myrtle, Dwarf	Sky Flower, Brazilian
Nandina, Heavenly Bamboo	Snowball Bush
Nannyberry	Spindle Tee
Ninebark	Spirea
Oleander	Star Plant, Lavender

TOLERANT PLANTS

Shrubs - Common Name *(continued)*

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

TOLERANT PLANTS

Ornamentals & Bedding Plants - Common Name

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

TOLERANT PLANTS

Ornamentals & Bedding Plants - Common Name (Continued)

Gazania	Lily-of-the-Nile, Peter Pan
Geranium	Lily-of-the-Valley
Geranium, Martha Washington	Lobelia
Gerbera Daisy	Marigold
Geum	Mirror Plant
Gladiolus	Mirror Plant, Variegated
Heather, False	Moneywort, Creeping Jenny
Honeysuckle, Amar	Moss, Rose
Honeysuckle, Fly	Pansy, Johnny-Jump-Up
Honeysuckle, Japanese	Pepper, Ornamental
Honeysuckle, Morrow	Periwinkle, Madagascar
Honeysuckle, Tatarian	Petunia
Hopseed Bush, Purple	Phlox, Perennial
Impatiens	Plantain Lily
Iris	Purple Loosestrife
Ivy, Grape	Raspberry Ice
Jack-in-the-Pulpit	Sage
Jade Plant	Sea Pinks, Thrift
Jasmine, Madagascar	Sedum Stonecrop
Lamb's Ear	Shrimpplant
Lavender, English	Sky Flower, Brazilian
Lavender, French	Snail Vine
Lavender, Cotton	Snapdragon
Lilac, Chinese	Speedwell, Spike
Lilac, Common Purple	Statice, Perennial
Lilac, Meyer	Stock
Lilac, Korean	Sweet Grass
Lilac, Mountain	

TOLERANT PLANTS

Ornamentals & Bedding Plants - Common Name (Continued)

Sweet William	Wandering Jew
Transvaal Daisy	Wisteria
Trumpet Vine, Blood Red	Yarrow
Trumpet Vine, Lavender	<i>Yarrow, Debutante</i>
Trumpet Vine, Pink	Yellow Trumpet
Tulip	Zinnia
Verbena	

TOLERANT PLANTS

Ground Covers - Common Name

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

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 OF FITNESS OR MERCHANTABILITY OR ANY 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

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