

PEEL FROM CORNER OF BOOKLET

15M-9-99K

### FIRST AID

<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>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information in case of emergency, call toll free 1-800-858-7378 or 1-800-222-1222.

Note To Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Produced For:  
**VOLUNTARY PURCHASING GROUP**  
 230 FM 87 • BONHAM, TEXAS 75418  
 EPA Reg. No. 7969-58-7401  
 EPA Est. No. 7401-TX-1  
 Visit Us At: [www.hi-yield.com](http://www.hi-yield.com)



# Hi-Yield®

## Grass Killer

### Postemergence Grass Herbicide

- **Systemic Selective Herbicide Kills Weedy Grasses Without Injuring Desirable Plants.**
- **Controls: Bermudagrass, Crabgrass, Foxtails, Quackgrass And Other Weedy Grasses.**
- **16 Fl. Ozs. Makes 16 Gallons of Spray.**

For homeowner use on and around Ornamental Groundcovers and Vegetables\*

\*See Crop Table List.

#### 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 per gallon.

### KEEP OUT OF REACH OF CHILDREN

## WARNING

See The Attached Booklet For Complete Precautionary Statements, Directions For Use And Conditions Of Sale And Warranty.

### NET CONTENTS ONE PINT (16 Fl. Ozs.)

**READ ENTIRE LABEL FOR DIRECTIONS FOR USE AND PRECAUTIONARY STATEMENTS.**

## **PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** Causes substantial but temporary eye injury. **DO NOT** get into eyes or on clothing. Harmful if swallowed.

## **USER SAFETY RECOMMENDATIONS**

### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

## **PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for **Category G** on an EPA chemical resistance category selection chart.

### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Protective eyewear
- Shoes and Socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** re-use them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms. For terrestrial uses, **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwaters.

## 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. This pesticide is toxic to vascular plants and should be used strictly in accordance with drift precautions on this label in order to minimize off-site exposures.

## FOR HOMEOWNER USE ON AND AROUND

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

\*See crop table 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. Unless otherwise stated in supplemental labeling, all applicable directions, restrictions and precautions are to be followed. This labeling must be in the user's possession during application.

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 appendix for listing.) It can be used through a hose-end sprayer according to the directions of the sprayers being used or through a tank-type sprayer.

This product can also be used around listed fruit and vegetable areas, (see Fruit and Vegetable chart), 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) application(s). 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	Orchardgrass - Seedling
Bermudagrass	Quackgrass
Broadleaf Signalgrass	Tall Fescue - Seedling
Crabgrass - Large, Smooth	Texas Panicum
Fall Panicum	Shattercane/Wildcane
Foxtails - Giant, Green, Yellow	Wild Proso Millet
Goosegrass	Wirestem Muhly
Johnsongrass - Seedling, Rhizome	Witchgrass
Junglerice	Wooly Cupgrass
Lovegrass	

**Note:** This product does not control sedges (including Nutsedge or Nutgrass), annual bluegrass, or broadleaf weeds. Red Fescue, Chewings Fescue, Hard Fescue, and Dichondra Turfs are also tolerant of **HI-YIELD® GRASS KILLER HERBICIDE**.

## WHEN TO APPLY

Apply any time 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 grasses stops soon after application. They turn yellow and die within one to three weeks depending on the grass species, stage of growth and weather conditions. Cool weather, drought and heat stress slows activity.

## HOW TO APPLY

### With Hose-end Sprayers:

- A. **No water dilution/premixing needed.** Determine how much area is to be treated 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. Set the sprayer dial to apply as close to 1 fluid ounce per gallon as possible. After application, wash the sprayer with a dilute soap solution and rinse according to the sprayer instructions.
- B. **Water dilution/premixing needed.** Some hose-end applicators recommend that liquid products be premixed 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.

### With Tank Sprayers:

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

### Important:

For spot treating grassy weeds near lawns and around any 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.

The quantities presented in the **Dilution Table** do not exceed the registered rates for the fruits and vegetables listed. Do not exceed the quantities presented.

**TABLE 1. DILUTION TABLE**

Amount of **HI-YIELD® GRASS KILLER HERBICIDE** (concentrate) and oil concentrate to use:

Amount Of Water To Be Used (Gallons)	Amount Of HI-YIELD® GRASS KILLER HERBICIDE		Amount of Oil Concentrate		Coverage In Square Feet
	Fluid Ounces	Tbsp.	Ounces	Tbsp.	
1	1	2	1	2	1,800
3	3	6	3	6	5,500
5	5	10	5	10	9,100
8	8	16	8	16	14,600

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

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

**For use on 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 when label directions are followed. Do not exceed dosage rate per gallon of spray. See **Appendix** for tolerant plant listing. Most ornamental species tested have been found tolerant of this product ; however, use with caution around the following plants as they may be damaged if foliage is contacted by the spray: Azaleas (var. Snow), Japanese Privet, Potentilla, Snow-in Summer, Red Oak and White Oak and ornamental grasses.

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

**For use on Fruit and Vegetable areas (use only with tank type sprayers).**

This product may be used on the fruits and vegetables listed in the **Fruit And Vegetable Table**. Do not apply on or around any fruit and vegetable not listed on this label, especially Sweet Corn. Applications on and around tolerant vegetables and fruit should be applied with only a tank-type sprayer. A second application may be made to all listed vegetables and fruits except Peanut and Strawberry.

**FRUIT AND VEGETABLE TABLE**

<b>CROP</b>	<b>MINIMUM TIME FROM LAST APPLICATION TO HARVEST (PHI)</b>
Apple	14 days
Apricot	25 days
Artichoke (California only)	7 days
Asparagus	1 day
Beans, Green	15 days
Beans, Dry	30 days
Beet (garden)	60 days
Blackberry	45 days
Blueberry *	30 days
Broccoli	30 days
Cabbage	30 days
Cantaloupe	14 days
Carrots	30 days
Cauliflower	30 days
Celery	30 days
Cherries (Sweet and Sour)	25 days
Citrus	15 days



**FRUIT AND VEGETABLE TABLE**

<b>CROP</b>	<b>MINIMUM TIME FROM LAST APPLICATION TO HARVEST (PHI)</b>
Crabapple	14 days
Cranberries*	60 days
Cucumber	14 days
Dates (non bearing)	1 year
Deciduous Trees (non bearing)	1 year
Eggplant	20 days
Endive(Florida only)	15 days
Figs (non bearing)	1 year
Grape	50 days
Horseradish	60 days
Lentils*	50 days
Lettuce, head	30 days
Lettuce, leaf	15 days
Loganberry	45 days
Mint	20 days
Muskmelon	14 days
Nectarine	25 days

**FRUIT AND VEGETABLE TABLE**

<b>CROP</b>	<b>MINIMUM TIME FROM LAST APPLICATION TO HARVEST (PHI)</b>
Onion, Garlic	30 days
Olives (non bearing)	1 year
Peach	25 days
Peanut**	40 days
Pear	14 days
Peas, green	15 days
Peas, dry	30 days
Pepper	20 days
Pistachio (non bearing)	1 year
Plum (non bearing)	1 year
Pomegranates (non bearing)	1 year
Potato	30 days
Prunes (non bearing)	1 year
Pumpkin	14 days
Quince	14 days
Raspberry	45 days

## FRUIT AND VEGETABLE TABLE

CROP	MINIMUM TIME FROM LAST APPLICATION TO HARVEST (PHI)
Spinach	15 days
Squash (all)	14 days
Strawberry**	7 days
Tomato	20 days
Tree Nuts (does not include pistachios)	15 days
Watermelon	14 days

\*Not for use in California

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

## APPENDIX

### Trees - Listed By Common Name

Acacia, Knife Leaf	Holly, Chinese	Pepper, Brazilian
Arborvitae, Eastern	Ironbark, Red	Pine, Aleppo
Ash, Green	Jacaranda	Plum, Wild
Basswood, American	Kentucky Coffee Tree	Poplar, Hybrid
Berkman's, Oriental	Larch, European	Popular, Yellow, Tulip Tree
Birch	Laurel, Indian	Purpleleaf, Bailey Acacia
Black Locust	Linden	Redwood, Coast
Bottle-brush	Linden, Littleleaf	Sandcherry, Western
Bottle Tree	Locust, Honey	Sensitive Plant
Brisbane Box Tree	Loquat	Silk Tree
Cajeput Tree	Magnolia, Southern	Spruce, Black Hills
Carob Tree	Maple, Red	Strawberry Tree
Carrot Wood	Mimosa Tree	Sumac, Standard, African
Catalpa, Southern	Myoporum	Sweet Gum
Cherry, Black	New Zealand Christmas Tree	Sycamore
Crabapple, Flowering	Oak	Tea Tree, Australian
Cypress, False	Olive Tree	Tipu Tree
Dogwood, Flowering	Olive, Russian	Walnut, Black
Elm, Chinese Evergreen	Orchid Tree, Purple	Weeping Fig, Exoctica
Eucalyptus	Osage Orange	Willow
Fir	Palm, Mediterranean Fan	Yate, Bushy
Goldenrain Tree	Palo Verde, Green	Yew, English
Guava	Paulownia Royal	
Gum, Blue	Pear, Common	
Hackberry, Common		
Hemlock, Canadian		

## APPENDIX

### Shrubs - Listed By Common Name

Abelia, Glossy	Euonymus, Evergreen	Mock Orange
Acacia, Bailey	Fig, Creeping	Mountain Lilac, Carmel Creeper
Andromeda	Firethorn	Myrtle, Dwarf
Arborvitae, Oriental	Forsythia, Greenstem	Nandina, Heavenly
Arrowwood, Southern	Flax, New Zealand	Bamboo
Azalea, Mollis hybrid	Fuchsia, Australian	Nannyberry
Bamboo, Heavenly	Gardenia	Ninebark
Barberry, Japanese	Gold Vine, Guinea	Ninebark
Bird Of Paradise Bush	Hakea	Oleander
Bluebeard	Hawthorn, Indian	Orchid, rockrose
Boxwood, Common	Hibiscus, Blue	Oregon Grape
Buckthorn, Glossy, Alder	Hibiscus, Chinese	Osmanthus, Holly-leaf
Camellia	Holly, Dwarf Burford	Palm, Natal
Cedar, Eastern Red	Honeysuckle, Bush	Pampas Grass
Cherry, Brush	Hydrangea	Photinia
Chokecherry sp.	Jasmine Asiatic	Photinia, Fraser
Copper Plant, Caribbean	Jessamine, Carolina	Pink Lady
Cotoneaster, Bearberry	Jojoba	Pink Powder Puff
Coyote Bush	Juniper, Chinese	Pittosporum, Variegated
Cranberry Bush, American	Lantana, Purple Trailing	Japanese
Crape Myrtle	Laurustinus	Plumbago, Cape
Currant, Alpine	Lemonade Berry	Podocarpus, Yew
Dogwood, Red Osier	Lilac, Common Purple	Privet
Elaeagnus	Liriope, Green	Purple Hop Bush
Escallonia	Mickey Mouse Bush	Pyracantha
	Mirror Plant	

**Shrubs - Listed By Common Name (continued)**

Rhododendron – Azalea Sandcherry, Purpleleaf Serviceberry, Allegheny Silver King Sky Flower, Brazilian Snowball Bush Spindle Tee	Spirea Star Plant, Lavender Tea Tree, Australian Texas Ranger Toyon, California Holly Trumpet Vine, Pink Veronica Viburnum, Japanese	Wayfaring Tree Weeping Fig, Exotica Wheelers Dwarf, Variegated Yellow Bells Yesterday-Today-and- Tomorrow Yew
---	---	--

**APPENDIX**

**Ornamentals & Bedding Plants - Listed By Common Name**

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

**Ornamentals & Bedding Plants - Listed By Common Name (continued)**

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

**APPENDIX****Ground Covers - Listed By Common Name**

Aaron's Beard	Cinquefoil, Spring	Gazania, Trailing
Aptenia	Coyote Brush	Green Carpet
Bergenia, Winter-blooming	Crownvetch	Ivy, Algerian
Bugleweed	Cushion Bush	Lantana, Lavender
Capeweed	Daisy, Trailing African,	Lily-turf, Big Blue
Carpathian, Harebell	Freeway	Lippa

### Ground Covers - Listed By Common Name *(continued)*

Mondo Grass Myoporum Pachysandra Periwinkle Plumbago, Dwarf	Pork and Beans Rosea Ice Plant Rosemary, Dwarf Rupture Wort St. Johnswort,	Creeping Stoncrop, Sedum Verbena
---	--	--

### STORAGE AND DISPOSAL

**STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute spray into food, feed, or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray.

**DISPOSAL:** If **empty:** Do not reuse this container. 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.

**NOTICE:** 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.

### 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 should 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. or the Seller. All such risks shall be assumed by the Buyer.

Voluntary Purchasing Groups, Inc. 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. VOLUNTARY PURCHASING GROUPS, INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY TO THE EXTENT PERMITTED BY LAW. VOLUNTARY PURCHASING GROUPS, INC. AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Voluntary Purchasing Groups, Inc. 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 Voluntary Purchasing Groups, Inc.

**Produced For:**  
**VOLUNTARY PURCHASING GROUP, INC.**  
230 FM 87 • BONHAM, TEXAS 75418  
EPA Reg. No. 7969-58-7401  
EPA Est. No. 7401-TX-1  
Visit Us At: [www.hi-yield.com](http://www.hi-yield.com)

