

Selective herbicide for use on established lawns of Bermudagrass, centipedegrass, St. Augustinegrass, seashore *Paspalum*, and zoysiagrass

Including use on golf courses, sod farms, commercial and residential turf, and for use around selected landscape ornamentals

Active Ingredient:

ımazaquın (2-[4,5-ainyaro-4-metnyi-4-(1-metnyietnyi)-5-oxo-1 <i>H</i> -imidazoi-2-yi]-3-quinolinecarboxyiic acia)	70.0%
Other Ingredients:	30.0%
Total:	100.0%

U.S. Patent No. 4,798,619 EPA Reg. No. 241-319

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete **First Aid**, **Precautionary Statements**, **Directions For Use**, and **Conditions of Sale and Warranty**.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:



FIRST AID			
 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. 			
If in eyes	 Call a poison control center or doctor for treatment advice. Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for treatment advice. 		
HOTHINE NUMBER			

HOTLINE 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 BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes eye irritation. Avoid contact with skin, eyes or clothing. Harmful if absorbed through skin.

Personal Protective Equipment (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning and 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:

- 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.

Environmental Hazards

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 by cleaning of equipment or disposal of waste.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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.

Observe all cautions and limitations on this label and on the label of products used in combination with Image® 70 DG herbicide. The use of Image 70 DG not consistent with this label may result in plant injury. Keep container closed to avoid spills and contamination.

DO NOT apply this product through any type of irrigation system.

DO NOT apply this product aerially.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restrictedentry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves
- Shoes plus socks

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of the product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

DO NOT enter treated areas without protective clothing until sprays have dried.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 50 pounds) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity > 50 pounds) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

• CHEMTREC 1-800-424-9300

• BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

• Your local doctor for immediate treatment

• Your local poison control center (hospital)

• BASF Corporation 1-800-832-HELP (4357)

Steps to be taken in case material is released or spilled:

- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

General Information

Image® 70 DG herbicide is a unique, versatile herbicide that will control or aid in the control of many important weeds in warm-season turfgrass and selected ornamentals. Image 70 DG may be used on established warm-season turfgrass such as, but not limited to, grounds or lawns around residential and commercial establishments, parks, athletic fields, cemeteries, sod farms and other similar areas, and to control specified weeds in ornamentals in the maintained landscape. Image 70 DG will effectively control susceptible weeds when applied during the specified preemergence and postemergence application timings.

Image 70 DG-treated turfgrass may have a compacted growth habit and formation of seedheads may be inhibited for 2 to 6 weeks depending on grass species and growing conditions at the time of application. Turf vigor is not impaired with this application when the rate, timing, and turf species are followed according to label directions.

The activity of **Image 70 DG** involves uptake by weed roots and/or foliage and rapid translocation to growing points. Treated plants stop growing soon after spray application. Chlorosis appears first in the newest leaves, with necrosis spreading from this point. In perennials, the herbicide is translocated into and kills underground storage organs. Complete death may not occur for several weeks after application in susceptible weed species. The amount of rainfall or irrigation required following application depends on existing soil moisture, density of turf and thatch or other surface vegetation, and soil type. Sufficient rainfall or irrigation of at least 0.25 to 0.5 inch is necessary for optimum herbicide activation.

Herbicide Combinations

Established Warm-season Turfgrass

Image® 70 DG herbicide may be tank mixed with registered preemergence and broadleaf postemergence herbicides and with methylarsonate herbicides, such as MSMA, to control weeds not controlled by Image 70 DG alone. DO NOT tank mix Image 70 DG with other postemergence herbicides labeled for grass weed control in turf. Image 70 DG may be applied prior to or sequential to the use of all labeled preemergence and postemergence herbicides.

Image 70 DG may be tank mixed with urea or liquid iron for routine turf maintenance applications. Add **Image 70 DG** to the spray tank first and make sure it is thoroughly mixed before adding the nutrient solutions.

Landscape Ornamentals

Image 70 DG may be tank mixed with Pendulum® 3.3 EC herbicide, Pendulum® AquaCap™ herbicide, or PRE-M® herbicide to control weeds not controlled by Image 70 DG alone.

When **Image 70 DG** is used in tank mixture with another herbicide, refer to each label for rates, methods of application, proper timing, weeds controlled, limitations, and precautions. Always use in accordance with the more restrictive label limitations and precautions. **DO NOT** mix **Image 70 DG** with any product containing a label prohibition against such mixing.

Mixing Instructions

Fill the spray tank 1/2 to 3/4 full with clean water. While agitating, add the required amount of **Image 70 DG**; then fill the remainder of the tank with water. Maintain agitation while spraying to ensure a uniform spray mixture.

When tank mixing **Image 70 DG** with recommended herbicides, add **Image 70 DG** to the spray tank first and thoroughly mix before adding the tank mix herbicide.

Addition of Surfactants

Add a nonionic surfactant (NIS) at 2 pints per 100 gallons (0.25% volume/volume (v/v)) to the spray mixture after herbicide(s) have mixed. An antifoaming agent may be added to the tank, if needed.

Spraying Instructions

Uniformly apply **Image 70 DG** sprays with a properly calibrated sprayer in sufficient volume to ensure adequate coverage (20 to 200 gallons/acre). Avoid drift onto vegetables, flowers, ornamental shrubs and other desirable plants or injury may result. Avoid overlaps when spraying. A spray indicator dye may be added to prevent overlaps. **DO NOT** apply when wind velocity is greater than 10 mph.

Established Warm-season Turfgrass

Bermudagrass, centipedegrass, St. Augustinegrass, seashore *Paspalum*, and zoysiagrass

Control of Summer Weeds

For the postemergence control of weeds such as the nutsedges^{1,2}, dollarweed², kyllinga^{1,2}, field sandbur², and ryegrass² (refer to **Weeds Controlled** table), time applications of **Image 70 DG** following spring transition of the turf and prior to the onset of winter dormancy (period of active turf and summer weed growth). **Refer to all turfgrass precautions prior to use.**

Control of Winter Weeds

For the control of weeds such as wild garlic³, wild onion³, henbit, chickweed, lawn burweed, etc. (refer to **Weeds Controlled** table), time applications to follow the first frost. **Image 70 DG** may be applied prior to or soon after emergence of the weeds listed with the exception of wild onion and wild garlic which must be emerged at application time for control. Control of emerged weeds may take several weeks. Applications made prior to the first frost or later during the dormant period (inactive weed growth) may result in reduced weed control. **DO NOT** apply less than six weeks prior to the initiation of spring transition. **Refer to all turfgrass precautions prior to use.**

Application Instructions

Established Bermudagrass, centipedegrass, St. Augustinegrass, seashore *Paspalum*, and zoysiagrass

Image 70 DG can be selectively used to control weeds anytime during the year except prior to and during transition from turfgrass winter dormancy.

Broadcast Application Rates

Rate	Image 70 DG (oz/1000 sq ft) O	R (OZS/A)	NIS (% v/v)
Low	0.20	8.6	0.25
High*	0.26	11.4	0.25

^{*}Use the high rate where heavy weed infestations occur.

Spot Spraying Application Rates with Handheld or Backpack Sprayer

Spray Mixture Volume (gals)	Image® 70 DG herbicide (OZ)	NIS (fl oz)
1	0.17	0.32
2	0.33	0.64
3	0.50	0.96

Thoroughly mix specified amount of **Image 70 DG** in water with NIS and spray to wet. Approximately 1.5 gallons of spray mixture will treat 1000 sq ft.

Tolerant turfgrass metabolizes **Image 70 DG**. Best tolerance occurs under totally dormant or optimal growing conditions. When turfgrass is growing under marginal conditions, such as low temperatures, drought stress, compaction, etc., temporary yellowing or browning can occur and recovery may take 2 to 4 weeks.

If product is applied where runoff is likely to occur, such as embankments or steep slopes, apply irrigation (0.25 to 0.5 inch) to incorporate the product into the soil to prevent injury of nearby sensitive turf such as overseeded areas, bentgrass and perennial ryegrass putting greens. When applying adjacent to sensitive turfgrass such as bentgrass and ryegrass, take care not to track **Image 70 DG** onto these areas.

Irrigation or rainfall of 0.25 to 0.5 inch is suggested within 1 to 7 days after application to wash **Image 70 DG** into the shoot/root zone where greatest weed control activity occurs.

Weeds Controlled

Common Name	Scientific Name	Annual/Biennial/ Perennial
Broadleaves		
Black medic	Medicago lupulina	Annual
Buttercup	Ranunculus parviflorus	Winter Annual
Carpetweed	Mollugo verticillata	Annual
Chickweed, common	Stellaria media	Winter Annual
Cutleaf evening primrose	Oneothera lanceolata	Winter Annual
Dollarweed ²	Hydrocotyle umbellata	Perennial
Dovetail	Geranium molle	Winter Annual
Eclipta	Eclipta prostrata	Annual
Geranium, Carolina	Geranium carolinium	Winter Annual
Hairy bittercress	Cardamine hirsuta	Winter Annual
Henbit	Lamium amplexicaule	Winter Annual
Knawel	Scelranthus annuus	Winter Annual
Lawn burweed	Soliva pterosperma	Winter Annual
Mouseear	Cerastium vulgatum	Winter Annual
Parsley-piert	Alchemilla arvensis	Winter Annual
Pigweed spp.	Amaranthus sp.	Annual
Purple deadnettle	Lamium purpureum	Winter Annual
Red sorrel	Rumex acetosella	Perennial
White clover	Trifolium repens	Annual
Grasses		
Field sandbur ²	Cenchrus incertus	Annual/ Short-lived Perennial
Perennial ryegrass ² overseeded	Lolium perenne	Perennial/ Winter Annual

Weeds Controlled (continued)

Scientific Name Annual/Biennial/

Perennial

Common Name

Yellow nutsedge^{1,2} Cyperus

		Perennial
Sedges		
Globe sedge ^{1,2}	Cyperus globosus	Perennial
Green kyllinga ^{1,2}	Kyllinga breviofolia	Perennial
Purple nutsedge ^{1,2}	Cyperus rotundus	Perennial
Rice flatsedge ^{1,2}	Cyperus iria	Annual
Wild garlic ³	Allium vineale	Winter Perennial
Wild onion ³	Allium canadense	Winter Perennial

Image® 70 DG herbicide will aid in the control of and reduce competition from:

esculentus

Annual bluegrass	Poa annua	Winter Annual
Bahiagrass	Paspalum notatum	Perennial
Crabgrass spp.	Digitaria sp.	Annual
Tall fescue	Festuca arundinacea	Perennial
Annual sedge ^{1,2}	Cyperus compressus	Annual
Cudweed, purple	Gnaphalium purpureum	Annual/Biennial
Dandelion	Taraxacum officinale	Winter Annual
Violets	Viola sp.	Winter Annual/ Perennial
Virginia buttonweed	Diodia virginiana	Perennial

¹ For control of kyllinga and more rapid and improved control of sedges, the addition of MSMA (2 lbs ai/A) is suggested in methylarsonate-tolerant turfgrass.

Special Precautions on Warm-season Turfgrass

- Use only on well-established, nonstressed turfgrass with a dense and uniform stand. Temporary yellowing may occur.
- DO NOT apply just prior to or during spring transition or during periods of very slow turf growth or severe discoloration could occur.
- **DO NOT** use on golf greens or bowling greens.
- **DO NOT** use on unlabeled turfgrass species, including dichondra.
- DO NOT apply Image 70 DG to St. Augustinegrass for winter weed control.
- DO NOT mow St. Augustinegrass until 48 hours after application.
- DO NOT use on tall fescue or mixed stands of tall fescue and Bermudagrass when tall fescue is a desirable turfgrass. Image 70 DG may injure tall fescue.
- **DO NOT** use on winter overseeded turfgrass such as ryegrass, bentgrass or *Poa trivialis* when those species are desirable.
- DO NOT reseed, or winter overseed, or sprig turfgrass for 1-1/2 months after treatment.
- **DO NOT** apply to newly planted, sprigged, or sodded turfgrass.
- **DO NOT** apply within **30 days** of harvesting sod.
- DO NOT graze or feed clippings of treated turfgrass to animals.
- **DO NOT** use treated grass clippings as mulch in landscape beds or around vegetables in the garden or fruit trees, vines or berries in the landscape areas.

² A repeat application may be required for extended postemergence control of weeds such as dollarweed, field sandbur, kyllinga, sedges, and perennial ryegrass.

³ Mow wild onion/garlic 1 to 2 weeks after treatment for improved appearance and initial control.

Landscape Ornamentals

Image® 70 DG herbicide can be safely applied at labeled use rates around and over the top of tolerant landscape ornamentals for weed control as labeled. Applications can be made safely around the drip zone of broadleaf and conifer trees in the landscape where established stands of turfgrass are present. For application to ornamentals or trees in mulched landscape beds, consult the Tolerant Landscape Ornamentals table. Temporary growth suppression may be observed on some treated species.

Application Instructions

Broadcast Application Rates

Rate	Image 70 DG (oz/1000 sq ft) O	R (OZS/A)	NIS (% v/v)
Low	0.20	8.6	0.25
High*	0.26	11.4	0.25

^{*}Use the high rate where heavy weed infestations occur.

Spot Spraying Application Rates with Handheld or Backpack Sprayer

Spray Mixture Volume (gals)	Image 70 DG (OZ)	NIS (fl oz)
1	0.17	0.32
2	0.33	0.64
3	0.50	0.96

Thoroughly mix specified amount of **Image 70 DG** in water with NIS and spray to wet. Approximately 1.5 gallons of spray mixture will treat 1000 sq ft.

Image 70 DG is for landscape ornamental and turfgrass use only.

DO NOT apply this product around food-producing trees or vines, berry bushes or in vegetable gardens.

DO NOT apply this product in field-grown or container-grown ornamental nurseries, in nursery liner, seedling or tree nurseries.

Tolerant Landscape Ornamentals

Common Name	Genus species 'Cultivar or Variety'
Groundcovers	
Asiatic jasmine	Trachelospermum asiaticum 'Minima'
Giant liriope	Liriope muscari 'Evergreen giant'
Mondo grass	Ophiopogon japonicus
Pachysandra	Pachysandra terminalis
Variegated liriope	Liriope muscari 'Silvery sunproof'
Perennials	
Hosta 'Lancifolia'	Hosta sp.
Society garlic*	Tulbaghia violacea*
Shrubs	
Blue Pacific juniper	Juniperus conferta
Blue Pfitzer juniper	Juniperus chinensis 'Pfitzeriana glauca'
Blue rug juniper	Juniperus horizontalis 'Wiltonii'
Burford holly	Ilex cornuta 'Burfordii'
Confederate jasmine	Trachelospermum jasminoides
Dwarf Yaupon holly	Ilex vomitoria 'Schilling's dwarf'
Gardenia	Gardenia jasminoides
Helleri holly	Ilex crenata 'Helleri'
Indian hawthorne	Raphiolepis indica
'Miami supreme' Flame of the woods*	Ixora coccinea*
Parsons juniper	Juniperus squamata expansa 'Parsoni'
Red-tip photinia	Photinia x fraseri
Wax myrtle	Myrica cerifera
Yucca	Yucca pendula
Trees	
Red crape myrtle	Lagerstroemia indica

^{*} This plant has not been tested for tolerance to **Pendulum® herbicide** or **PRE-M® herbicide**. **DO NOT** tank mix **Image 70 DG** with pendimethalin herbicides and apply to this plant species.

Special Precautions in Landscape Ornamentals

- Use only on well-established, nonstressed ornamentals listed on this label or injury may result.
- **DO NOT** apply around annual bedding plants.
- Apply Image® 70 DG herbicide only to listed plants or severe injury may result. The following ornamentals are known to be severely injured by Image 70 DG: abelia, azalea, ligustrum, pieris, and viburnum.
- **DO NOT** apply this product to bareground areas of the landscape where new ornamental plantings (including annual bedding plants) will be installed within the year.

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 the 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 BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF 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, BASF 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 BASF'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, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF 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 BASF.

Pendulum is a registered trademark of BASF.

AquaCap is a trademark of BASF.

Image is a registered trademark of Central Garden & Pet Company.

PRE-M is a registered trademark of Lesco Technologies, LLC.

Uses with Other Products (Tank Mixes)

If this product is used in combination with any other product except as specially recommended in writing by BASF, then to the extent consistent with applicable law, BASF shall have no liability for any loss, damage, or injury arising out of its use in any such combination not so specifically recommended. If used in a combination recommended by BASF, to the extent consistent with applicable law, the liability of BASF shall in no manner extend to any damages, loss, or injury not directly caused by the inclusion of the BASF product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the product.

© 2009 BASF Corporation All rights reserved.

000241-00319.20090618.**NVA 2009-04-151-0094** Supersedes: NVA 2008-04-151-0130

> BASF Corporation 26 Davis Drive Research Triangle Park, NC 27709



The Chemical Company