Specimen Label



Specialty Herbicide

®Trademark of Dow AgroSciences LLC

Provides control of listed annual grasses and broadleaf weeds in established lawns, commercial sod farms, non-cropland and industrial sites, ornamental turf (including golf course fairways, roughs, tee boxes), field-grown nursery ornamentals, and landscape ornamentals.

In the state of New York, this product may be used by commercial applicators only at no more than 2 pints (0.5 lb active ingredient) per acre per year. In Nassau and Suffolk counties of New York, do not exceed 1 pint per year of this product (equivalent to 0.25 lb of active ingredient per acre).

Active Ingredient

dithiopyr: S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-	
6-(trifluoromethyl)-3,5-pyridinedicarbothioate	24%
Inert Ingredients	76%
Total	100%

Contains petroleum distillates

Contains 240 grams per liter or 2 lb active ingredient per U.S. gallon. Product protected by U.S. Patent No. 4,692,184. Other patents pending

EPA Reg. No. 62719-542

Keep Out of Reach of Children

WARNING AVISO

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes Skin Irritation • Causes Moderate Eye Irritation • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Do not get on skin or on clothing. Avoid contact with eyes. Wear protective clothing and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse

Personal Protective Equipment (PPE):

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

WPS Uses: Applicators and other handlers who handle this product for any use covered by the Worker Protection Standard (40 CFR Part 170) – in general, agricultural plant uses are covered must wear:

- · Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves ≥14 mils such as barrier laminate or butvl rubber
- · Chemical-resistant footwear plus socks

WPS Uses: Mixers and loaders must wear:

- · Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves ≥14 mils such as barrier laminate or butyl rubber
- · Chemical-resistant footwear plus socks
- Chemical-resistant apron

Non-WPS Uses: Mixers and loaders who handle this product for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) – in general, agricultural plant uses are covered - must wear:

 Chemical-resistant gloves ≥14 mils such as barrier laminate or butyl rubber

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them. Follow the 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.

Engineering Controls

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

First Aid

If on skin or on clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 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 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may be hazardous to aquatic organisms in water adjacent to treated areas. 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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies elsewhere on this label. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

REFORMULATION OR REPACKAGING OF THIS PRODUCT IS PROHIBITED.

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.

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 the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable). 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.

For early entry into 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, wear:

- · Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves ≥14 mils such as barrier laminate or butvl rubber
- · Chemical-resistant footwear plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this 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.

• Keep unprotected persons out of treated area until sprays have dried.

Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal. **Pesticide Storage:** Store this product only in its original container in a dry, cool, secured storage area. Store this product above 32°F to avoid crystallization. If crystals form or product freezes, move product to area with ambient temperature above 32°F and shake well until crystals have dissolved.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Information

This product is not intended for use by homeowners.

Dimension® 2EW specialty herbicide provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns, commercial sod farms, non-cropland and industrial sites, ornamental turf (including golf course fairways, roughs, tee boxes), field-grown nursery ornamentals, and landscape ornamentals.

This product will not control established weeds, except for emerged crabgrass, up to initiation of tillering. This stage of growth for crabgrass generally corresponds to the time when crabgrass seedlings are first visible in established turfgrasses and individual plants have five leaves or less. Applications to crabgrass after initiation of tillering will not provide satisfactory control. All other applications of this product should be made preemergence (prior to germination of target weeds).

This product is not effective until activated by 1/2 inch or more of rainfall or irrigation. Applications should be timed to ensure that activation has occurred prior to tillering stage of crabgrass development or prior to germination of all other weeds.

Note: In the state of New York, this product may be used by commercial applicators only at no more than 2 pints (0.5 lb active ingredient) per acre per year. In Nassau and Suffolk counties of New York, do not exceed 1 pint per year of this product (equivalent to 0.25 lb of active ingredient per acre).

Chemigation: Do not apply this product through any type of irrigation system.

Mixing Directions

Dimension 2EW Alone with Water as the Carrier

Fill a previously cleaned spray tank with water to about three-fourths of the desired volume. Add the recommended amount of Dimension 2EW to the tank. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the water source.

Dimension 2EW Alone with Fluid Fertilizer as the Carrier

Determine the compatibility of Dimension 2EW with the desired fluid fertilizer by mixing small proportional quantities in advance. See the Physical Compatibility Test section of this label. Then follow the mixing procedure listed below for tank mixtures.

Tank Mixtures

Dimension 2EW may be applied in tank mix combination with labeled rates of fluid fertilizers or other herbicides provided (1) the tank mix product is labeled for the timing and method of application for the use site to be treated; and (2) tank mixing is not prohibited by the label of the tank mix product. Read carefully and follow all applicable use directions, precautions, and limitations on the respective product labels. A broader spectrum of weeds may be controlled when tank mixing with another herbicide. When tank mixing Dimension 2EW with other materials, a compatibility test (jar test) using relative proportions of the tank mix ingredients should be conducted prior to mixing ingredients in the spray tank. See the Compatibility Test Mixing Instructions section of this label. The addition of a nonionic surfactant may improve control. Always read and follow the surfactant manufacturer's label recommendations.

Mixing Order for Tank Mixes: Place a 20 to 35 mesh screen or wetting basket over the filling port. Fill the spray tank 1/2 full with the appropriate carrier. Start agitation. Slowly add different formulation types in the order indicated below, allowing time for complete dispersion and mixing after addition of each product.

- 1. Compatibility agent (if needed)
- 2. Wettable powder or water dispersible granules (if used)
- 3. Suspension concentrates
- Dimension 2EW and liquid (emulsifiable concentrate or liquid concentrate) pesticide (if used)
- 5. Water solutions

During the final filling of the tank, add water soluble liquid pesticide formulations (if used), followed by surfactants, marker dyes or foams, or drift control additives. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Maintain continuous agitation during mixing, final filling and throughout application. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be resuspended before spraying is resumed.

Premixing: Dry and flowable formulations should be premixed with water (slurried) and added to the spray tank through a 20 to 35 mesh screen. This procedure assures good initial dispersion of these formulation types. If a liquid (emulsifiable concentrate, liquid concentrate, flowable) pesticide formulation is used, premix it with one part water before adding to the spray tank.

Physical Compatibility Test

Before mixing this product with fluid fertilizers and/or other pesticides, test compatibility by mixing all the components in a small jar in proportionate quantities.

Compatibility Test Mixing Instructions

		Amount of Pesticide added
		to Spray Carrier
		(assuming volume
	If	is 25 gpa) ADD:
Pesticide		Level Teaspoons per Pint Jar
Formulation	Rate per Acre is:	of Carrier Solution
Dry	1 lb	1 1/2
Liquid	1 qt	1

This compatibility test is designed for 25 gallons of spray solution per acre. The table above gives general guidelines for use rate ratios of pesticides to be tank mixed with this product. Determine the amount of pesticide to tank mix by referring to the pesticide label(s). Then, calculate the amount of pesticide to add to the jar based on use rate ratios in table. For a use rate of 1 lb per acre of dry pesticide, add 1 1/2 teaspoons to the jar. For a use rate of 1 quart per acre of liquid pesticide, add 1 teaspoon to the jar. Dimension 2EW should be added based on use rate ratios for liquid pesticides (for a use rate of 1 quart per acre, add 1 teaspoon to the jar). For changes in spray volume or herbicide rate, make appropriate changes in the ingredients for the test. Shake well after mixing.

If pesticide(s) does not form crystals, flakes, sludge, gels, oily films or layers, then the tested components are compatible. Incompatibility in any of the above-described forms will usually occur within 5 minutes after mixing. If components are incompatible, a compatibility agent should be used. Repeat the above compatibility test with a suitable compatibility agent (1/2 teaspoon per pint jar is equivalent to 2 pints per 100 gallons of spray solution). Do not use mixtures that show incompatible signs such as formation of crystals, flakes, sludge, gels, oil films or layers.

Grass and Broadleaf Weeds Controlled by Dimension 2EW

Used as directed, Dimension 2EW controls annual grass and broadleaf weeds listed in the table below if applied preemergence. This product will not control emerged broadleaf weeds or grasses (except for crabgrass prior to tillering stage of growth). Therefore, the area to be treated must be free of weeds prior to application.

Extended Control of Annual Poa (*Poa annua*) in South and Coastal South Regions

For extended control of annual poa (*Poa annua*) in the south and coastal south regions, an initial application of 2 pints of Dimension 2EW per acre (0.5 lb active ingredient) 6 to 8 weeks before overseeding with perennial ryegrass may be followed by a second application of 1 to 2 pints of Dimension 2EW per acre (0.25 to 0.5 lb active ingredient) 120 days after overseeding. Some injury to overseeded perennial ryegrass may occur (see Reseeding, Overseeding, or Sprigging precautions under Turfgrass).

Common Name

Grasses

barley barnyardgrass bluegrass, annual

brome

crabgrass, large crabgrass, smooth crabgrass, southern crowfootgrass dallisgrass (seedling)

foxtail, giant foxtail, green foxtail, yellow goosegrass kikuyugrass Mary's grass

oats, wild

ryegrass (annual & perennial)

sandbur smutgrass

Scientific Name

Hordeum spp.

Echinochloa crus-galli

Poa annua Bromus spp.

Digitaria sanguinalis
Digitaria ischaemum
Digitaria ciliaris

Dactyloctenium aegyptium Paspalum dilatatum

Paspaium dilatatum Setaria faberi Setaria verdi

Pennisetum glaucum Eleusine indica

Pennisetum clandestinum Microstegium vimineum (Trin.) A.Camus var. imberbe

Avena fatua Lolium spp.

Cenchrus spp.
Sporobolus indicus

Broadleaf Weeds

bittercress carpetweed chickweed

geranium, Carolina groundsel, common

henbit

knotweed, prostrate lespedeza, common

marestail medic, black mulberry weed Cardamine spp.
Mollugo verticillata
Stellaria spp.

Geranium carolinianum Senecio vulgaris

Lamium spp.
Polygonum aviculare
Lespedeza striata
Conyza canadensis
Medicago lupulina
Fatoua villosa

mustard
oxalis, buttercup
pineappleweed
parsley-piert
pigweed, redroot
purslane, common
rocket, London
shepherdspurse
speedwell, corn
spurge, garden
spurge, prostrate
spurge, spotted
woodsorrel, creeping
woodsorrel, yellow

Brassica spp.

Oxalis pes-caprae

Matricaria matricarioides

Alchemilla arvensis

Amaranthus retroflexus

Portulaca oleracea

Sisymbrium irio

Capsella bursa-pastoris

Veronica arvensis

Euphorbia hirta

Euphorbia humistrata

Euphorbia maculata

Oxalis corniculata

Oxalis stricta

Uses

Turfgrass

Use Dimension 2EW on seeded, sodded, or sprigged lawns and ornamental turfgrass that are well established.

Specific Use Precautions and Restrictions:

Newly established turf following seeding, sodding, or sprigging must have developed a good root system and a uniform stand, and should have received at least two mowings before the first application of this product. Use of this product on turf that is not well-established, or has been weakened by weather, pest, disease, chemical, mechanical or other related stress, may result in turf injury.

- Do not apply this product to golf course putting greens.
- Do not apply to annual bluegrass (*Poa annua*) unless control
 of this species is the goal. If maintenance of annual bluegrass
 as a turfgrass is desirable, do not use this product.
- It is recommended that sod be established for at least 6 months before applying Dimension 2EW
- Do not apply this product within 3 months of harvesting sod.
- Early postemergence applications of this product will control crabgrass only if applied prior to the fifth leaf (first tiller) stage of growth.
- For best results, cultural practices that disturb the soil, such as verticutting and core-, spike-, or hydro-aerification, should be done before applying this product.
- Do not apply this product until the turfgrass has recovered from cultural practices such as verticutting or core-, spike-, or hydroaerification
- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- Do not apply more than 4.4 teaspoons of Dimension 2EW per 1000 sq ft (2 pints per acre) per application.
- Do not apply more than 13.2 teaspoons of Dimension 2EW per 1000 sq ft (6 pints per acre) per year using split or sequential applications.
- In the state of New York, do not apply more than 2 pints of Dimension 2EW (0.5 lb active ingredient) per acre per year. In Nassau and Suffolk counties of New York, do not exceed 1 pint per year of this product (equivalent to 0.25 lb of active ingredient per acre).

Dimension 2EW should be used only on the following turfgrass species that have been determined to be tolerant to this product:

Established Cool Season Turfgrasses

Common NameScientific Namebentgrass, creeping†Agrostis palustrisbluegrass, KentuckyPoa pratensisfescue, fine††Festuca rubrafescue, tallFestuca arundinacearyegrass, perennialLolium perenne

Established Warm Season Turfgrasses

St. Augustinegrass

zoysiagrass

Scientific Name **Common Name** bahiagrass Paspalum notatum Bermudagrass*** Cynodon dactylon buffalograss**** Buchloe dactyloides carpetgrass Axonopus affinis centipedegrass Eremochloa ophiuroides Pennisetum clandestinum kikuyugrass Paspalum vaginatum seashore paspalum

Zoysia japonica

[†]Do not use this product on certain varieties of creeping bentgrass, such as cohansey, carmen, seaside, and Washington as undesirable turfgrass injury may result. Not all varieties of creeping bentgrass have been tested. Do not apply this product to colonial bentgrass (*Agrostis tenuis*) varieties.

Stenotaphrum secundatum

- ^{††}Do not use this product on certain varieties of fine fescue as undesirable turf injury may result. The following fine fescue varieties have been found to be sensitive to this product: Atlanta, banner, beauty, bilgart, CF-2, enjoy, HF-93, highlight, ivalo, Jamestown, koket, majenta, Mary, pennlawn, Tamara, Tatjana, waldorf, and waldina. Not all varieties of fine fescue have been tested.
- ^{†††}Do not use this product on Tifgreen (328) hybrid Bermudagrass as undesirable turfgrass injury may result. Other common and hybrid Bermudagrass varieties are tolerant.
- *****Do not use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

Reseeding, Overseeding, or Sprigging

Reseeding, overseeding, or sprigging of treated areas within 3 months after a single application of this product, or within 4 months after a split application program totaling more than 4.5 teaspoons per 1000 sq ft (2 pints per acre), may inhibit the establishment of desirable turfgrasses. However, overseeding of Bermudagrass with perennial ryegrass 8 weeks after an application or as early as 6 weeks after application if slight injury to perennial ryegrass can be tolerated is a recommended exception.

When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

Application Directions

Apply Dimension 2EW through conventional liquid application equipment in a sufficient volume of carrier solution to provide a uniform spray distribution. Applying this product through cluster nozzles or other boomless spray equipment may not give satisfactory results due to variability in application volume and spray pattern. A hand held spray gun may be used. Calibrate application equipment prior to usage. Avoid

streaking, skips, or excess overlaps during application. The use of marker dyes or foams aids in making more accurate applications.

Crabgrass Control

Preemergence and Early Postemergence Control

This product provides preemergence control of crabgrass (including the large, smooth, and southern species) when applied prior to crabgrass emergence in established lawns and ornamental turf. This product also provides early postemergence control of crabgrass during early crabgrass seedling growth following emergence. However, it is often difficult to observe very small crabgrass seedlings at early stages of growth in wellestablished turfgrass. Early postemergence crabgrass control is obtained only when this product is applied prior to the tillering of crabgrass (less than 5 leaves per plant), which generally corresponds to the time when crabgrass seedlings are easily observed in lawn or turf. The practical benefit of this product's additional, early postemergence activity is a "window of application" during which control of crabgrass can be achieved. That is 2 to 8 weeks longer than products that provide only preemergence control. Depending upon climatic conditions and rate of growth, the time from crabgrass emergence until tillering will vary from 2 to 8 weeks. The addition of a nonionic surfactant at 0.5% by volume (2 gt per 100 gallons of spray) may improve early postemergence control. Read and follow the surfactant manufacturer's label recommendations.

Tank Mixtures for Early Postemergence Control:

Application of this product alone provides early postemergence control of crabgrass when treated prior to reaching the tillering stage of growth. If applied in combination with either MSMA herbicide or Acclaim herbicide, control of crabgrass with up to 3 tillers may be achieved. Use the lower rate of Dimension 2EW in tank mix with MSMA or Acclaim if preemergence herbicides have been applied prior to the postemergence application; otherwise, use the high rate. A compatibility test (see Physical Compatibility Test in Mixing Directions section) is suggested before tank mixing this product with fluid fertilizers and/or either MSMA or Acclaim. Refer to the labels for MSMA or Acclaim for information on tolerance of specific turfgrass species. Observe all limitations, precautionary statements, and use restrictions on the respective labels when using them in tank mixtures. The addition of a nonionic surfactant may improve control. Always read and follow the surfactant manufacturer's label recommendations.

Application Frequency and Timing

This product may be applied as a single application, a split application, or a sequential application for crabgrass control in the spring, summer, or fall.

Spring Application: For applications made in the spring or early summer, apply Dimension 2EW at the appropriate rate corresponding to one of the three control programs listed in the table below. The rate used depends upon the user's location, the mowing height of the turfgrass, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending upon weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

Fall Application: This product can also be applied in the late summer or early fall (late August through November) at the Program 3 use rates listed in the table below for control of *Poa annua* through the winter and early spring. A fall application followed by an appropriately timed spring application provides season-long weed control. Do not exceed the maximum use rate per year.

Recommended Use Rates

Region	Application Rates	Program 1	Program 2	Program 3
All states, except NY [†] and parts of	pt/acre	1	1.5	2
states not listed in transition,	tsp/1000 sq ft	2.2	3.3	4.4
south, coastal south or west	lb ai/acre	0.25	0.38	0.5
Transition: DE, KS, KY, MD, MO, NJ,	pt/acre	1.5	2	2.5^{\dagger}
VA, southeastern PA, southern	tsp/1000 sq ft	3.3	4.4	5.5^{\dagger}
areas of IL, IN, OH, coastal areas of CT. & RI	lb ai/acre	0.38	0.5	0.62 [†]
CI, & RI				
South: AL, AR, GA, LA, MS, NC, NM,	pt/acre	2	1.33 + 1.33	1.5 + 1.5
OK, SC, TN, TX	tsp/1000 sq ft	4.4	3 + 3	3.3 + 3.3
	lb ai/acre	0.5	$0.33 + 0.33^{\dagger}$	$0.38 + 0.38^{\dagger}$
Coastal South: HI, FL, southern	pt/acre	1.33 + 1.33	1.5 + 1.5	1.75 + 1.75
coastal areas of AL, GA, LA, MS,	tsp/1000 sq ft	3	3.3	3.8 + 3.8
NC, SC, TX	lb ai/acre	$0.33 + 0.33^{\dagger}$	$0.38 + 0.38^{\dagger}$	$0.44 + 0.44^{\dagger}$
West: AZ, CA, NV. In this climatically	pt/acre	1 + 1.5	1.5 + 2	1.33 + 1.33
diverse region, use the higher rates	tsp/1000 sq ft	2.2 + 3.3	3.3 + 4.4	3+3
in local areas with longer crabgrass seasons.	lb ai/acre	0.25 + 0.38	0.38 + 0.5	$0.33 + 0.33^{\dagger}$

[†] Preemergence application programs totaling more than 0.5 lb ai/acre (greater than 4.4 teaspoons per 1000 sq ft or 2 pints per acre) must be applied as a split application. Recommended interval for split applications is 8 to 12 weeks. Early postemergence applications are limited to 0.5 lb ai/acre (4.4 teaspoons per 1000 sq ft or 2 pints per acre) per application.

Program 1: Use Program 1 for preemergence control in turfgrass that is cut relatively high (e.g., homeowner lawns). This program provides 3 to 5 months of preemergence crabgrass control and also provides early postemergence control of crabgrass up to the 3-leaf stage.

Program 2: Use Program 2 for preemergence control in turf:
(a) where turfgrass is cut relatively low (e.g., golf fairways); and
(b) where turfgrass maintenance or weed control has been conducted during the previous year. This program provides 4 to 6 months of preemergence crabgrass control and may also be used for early postemergence control up to crabgrass tillering at sites where turfgrass is cut relatively high (e.g., homeowner lawns).

Program 3: Use Program 3 for preemergence control in turf:
(a) where turfgrass is cut relatively low (e.g., golf fairways); and
(b) where turf maintenance or weed control was not conducted
during the previous year. This program provides 4 to 6 months of
preemergence crabgrass control and may also be used for early
postemergence control up to crabgrass tillering at sites where
turfgrass is cut relatively low (e.g., golf fairways). Make subsequent,
sequential pre and/or postemergence applications where longer
periods of control are desired. Split applications may also be made,
with the rates in the Recommended Use Rates table being split across
two applications made 5 to 10 weeks apart. Split applications may
provide improved weed control.

Terrestrial Non-Crop Areas

Apply Dimension 2EW for preemergence control of annual grasses and broadleaf weeds listed in Grass and Broadleaf Weeds Controlled by Dimension 2EW in terrestrial non-crop areas including farm yards, fence rows, highway, utility and railroad rights-of-way, airports, recreation areas, campgrounds, and industrial sites (lumber yards, tank farms, and storage areas).

Applied preemergence, Dimension 2EW controls weeds as they germinate. This product will not control established weeds. Apply prior to germination of target weeds or to bare ground. The best weed control is obtained when applications are made to soil that is free of clods, weeds and debris such as leaves. Prior to applying, control existing vegetation by cultivation, hand weeding, or use of a postemergence herbicide.

To be effective, Dimension 2EW must be activated by 1/2 inch or more of rainfall or irrigation prior to germination of target weeds. Once the treatment is activated, avoid disturbing or mixing the soil surface to expose untreated soil.

Specific Use Precautions and Restrictions:

- Do not apply when weather conditions favor drift to non-target areas. This product may injure foliage of non-target plants.
- Do not graze livestock or feed forage cut from areas treated with this product.
- For ornamentals within non-crop areas, apply only after transplanting when soil around roots has been thoroughly settled by rainfall or irrigation and no cracks are present or injury will result.
- Split or sequential applications: Do not use more than 4.4 teaspoons
 of Dimension 2EW per 1000 sq ft (2 pints per acre) per application
 or more than 13.2 teaspoons of Dimension 2EW per 1000 sq ft
 (6 pints per acre) per year.
- In the state of New York, do not apply more than 2 pints of Dimension 2EW (0.5 lb active ingredient) per acre per year.
 In Nassau and Suffolk counties of New York, do not exceed 1 pint per year of this product (equivalent to 0.25 lb of active ingredient per acre).

Application Rates:

Equivalent Rates of Dimension 2EW			
(pt/acre)	(pt/acre) (tsp/1000 sq ft) (tsp/100 sq ft) (mL/100 sq ft)		
2	4.4	0.44	2.2

Make sequential applications at 3 to 4 month intervals for extended preemergence weed control. Do not exceed maximum use rates per year

Ornamentals (Landscape and Field Grown)

Dimension® 2EW specialty herbicide provides preemergence control of listed annual grasses and broadleaf weeds in areas planted with tolerant ornamental plants listed on this label. It is intended for use on plants grown for aesthetic purposes in landscaped areas or in production nurseries. When applied as directed, the ornamental plants listed on this label have shown tolerance to over-the-top applications of Dimension 2EW.

Specific Use Precautions and Restrictions:

- · Apply Dimension 2EW to established ornamentals only.
- Do not apply to herbaceous annuals or perennials used as bedding plants
- Do not apply this product to bare roots of ornamental plants as injury may result.
- Do not incorporate this product into the soil. Dilution of active ingredient and possible injury to plant roots may occur.
- Do not apply around ornamental plants that have been weakened or are under stress (due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, heat stress, nematodes or diseases).
- Do not apply when weather conditions favor drift to non-target areas. This product may injure foliage of non-target plants unless they are listed on this label.
- · Do not apply this product to grasses grown for seed.
- Do not graze livestock or feed forage cut from areas treated with this product.
- Do not apply this product to plants in an ornamental setting that are grown for food (e.g., fruit trees or maple trees tapped for syrup).
- Do not apply this product in enclosed structures and greenhouses.

- Do not apply more than 4.4 teaspoons of Dimension 2EW per 1000 sq ft (2 pints per acre) per application and no more than 13.2 teaspoons of Dimension 2EW per 1000 sq ft (6 pints per acre) per year using split or sequential applications.
- In the state of New York, do not apply more than 2 pints of Dimension 2EW (0.5 lb active ingredient) per acre per year. In Nassau and Suffolk counties of New York, do not exceed 1 pint per year of this product (equivalent to 0.25 lb of active ingredient per acre).

Treatment of Ornamental Species Not Listed on the Label for Dimension 2EW: It is impossible to evaluate tolerance to this product on all ornamental plant species or varieties or under all possible growing conditions. Users who wish to use Dimension 2EW on ornamental species not recommended on this label may determine the suitability for use by treating a small number of ornamental plants at a recommended rate. Prior to treatment of larger areas, treated plants should be observed for any symptoms of herbicidal injury, such as foliar damage, reduced vigor or stand reduction, during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious.

Application Directions

Apply Dimension 2EW as a post-directed spray in established ornamentals or as a broadcast over-the-top spray to certain established ornamentals (see ornamental plant listing). Make directed sprays to the soil at the base of the ornamentals. For ornamental species that can tolerate over-the-top applications, the potential plant injury may be minimized by applying with calibrated equipment and using a minimum of 2 gallons of water per 1000 sq ft of area treated. Refer to Grasses and Broadleaf Weeds Controlled by Dimension 2EW. Note: Foliage that receives direct or indirect (drift) spray contact may show some foliar injury; however, the injury is typically cosmetic and plants will normally outgrow this condition rapidly and develop normally.

Dimension 2EW is a preemergence herbicide that controls weeds during germination. Dimension 2EW does not control emerged broadleaf or grass weeds except crabgrass up to tillering stage of growth. Apply prior to germination of target weeds to bare ground. Optimum weed control is obtained when applications are made to soil that is free of clods, weeds and debris such as leaves. Prior to applying, control existing vegetation by cultivation, hand weeding, or use of a postemergence herbicide. After applying Dimension 2EW, do not disturb the soil surface as the herbicide barrier will be broken. Care must be taken that soil or planting mixes have settled firmly following transplanting and that there are no cracks that would allow direct contact of this product to the plant roots.

Application Rates

Apply Dimension 2EW prior to germination of target weed species. Make sequential applications at 3 to 4 month intervals for extended preemergence weed control. Do not exceed maximum use rates per year

When treating a small area, apply Dimension 2EW with a calibrated sprayer that assures accurate, uniform spray distribution. In general, Dimension 2EW should be thoroughly mixed with clean water at 3 to 4.5 teaspoons of product per 1000 sq ft per application and applied at 20 to 40 psi in a minimum of 1 gallon of water per 1000 sq ft.

	Equivalent Rates of Dimension 2EW			
(pt/acre) (tsp/1000 sq ft) (tsp/100 sq ft) (mL/100 sq ft)				
2	4.4	0.44	2.2	

Tolerant Ornamentals

When applied as directed under the conditions described on this label, ornamentals listed below have shown tolerance in field trials.

Common Name	Botanical Name	Tolerant Cultivar	Recommended Method of Application [†]
abelia, dwarf	Abelia X grandiflora	nana	D
abyssinian red banana	Ensete ventricosum	maureli	O,D
ajuga	Ajuga reptans	bronze	D
	Ajuga genevensis	bronze beauty	D
almond, flowering	Prunus gladulosa		D
apple ^{††}	Malus pumila		D
arborvitae	Thuja occidentalis	nigra	D
		pyramidalis smaragh	D D
		techny	D
		woodwardii	D
arborvitae, dwarf golden	Thuja orientalis	aurea nana	O,D
aster, Chinese	Callistephus chinensis	dwarf queen	D
ash, green	Fraxinus pennsylvanica		D
ash, mountain	Sorbus aucuparia		D
ash, purple	Fraxinus americana		D
azalea	Rhododendron spp.	brilliant	D
		buccaneer	D
		carror	D
		chimes (Belgian)	D
		Elsie Lee	D
		exbury fashion	D D
		hardijzer beauty	D
		hershey red	D
		higasa	D
		hinocrimson	D
		Holland (hybrid)	D
		marion lee northern lights	D D
		orange cup	D
		orchid lights	D
		snow	D
		southern charm	D
azalea, flame	Rhododendron calendulaceum		D
azalea, kirishima			D
bamboo, heavenly			D
barberry	Berberis thunbergii	aurea	D
		dwarf pigmy	D
		green kobold	D D
		pygmy red	D
		rose glow	D
barberry, purple		atropurpurea	D
basket flower	Gaillardia grandiflora		D
beach grass	Ammophila breviligulata		D
bearberry (common)	Arctostaphylos uva-ursi	Massachusetts	D
bee balm	Monarda didyma		D
begonia	Begonia spp.		D
birch, river	Betula nigra		D
blackeyed Susan	Rudbeckia hirta	goldstrum	D
DIACKEVEU SUSAN	i muudeckia iiila	i dolastram	ı U

Common Name	Botanical Name	Tolerant Cultivar	Recommended Method of Application [†]
blue fescue	Festuca ovina		D
blueberry ^{††}	Vaccinium spp.	bluecrop blue jay Jersey north blue northland	D D D D
bottlebrush	Callistemon citrinus	Hortifiand	D
bougainvillea	Bougainvillea spectabilis	James Walker	D
boxwood, Japanese		japonica	D
boxwood, weller	Buxus sempervirens	winter gem	O,D
broom	Cytisus spp.	moonlight	D
	Genista pilosa	Vancouver gold	D
bugle carpet			D
camellia	Camellia japonica Camellia sasanqua	debutante mathotiana supreme chansonette setsukgekka	D O,D D O,D
candy tuft	Iberis spp.	snow white	D
carex, variegated	Carex		D
cedar, red	Juniperus virginiana		D
celosia	Celosia spp.		D
centaura	Centaurea montana		D
cockscomb, plumosa	Celosia cristata	scarlet plumosa	D
coleus	Coleus blumei	red kewpie	D
columbine	Aquilegia spp.		D
coneflower, purple	Echinacea purpurea		D
copper leaf	Acalypha wilkesiana		D
coreopsis	Coreopsis spp.	moonbeam	D
corn flower	Centaurea spp.		D
cotoneaster	Cotoneaster apiculatus		D
coyotebrush	Baccharis pilularis		D
cycad	Cycas revoluta		D
cypress, bald	Taxodium distichum		D
cypress, Italian	Cupressus sempervirens	glauca	D
cypress, Japanese false	Chamaecyparis obtusa	gracilis	D
cypress, leyland	Cupressocyparis leylandii		D
daffodil	Narcissus spp.	king alfred	D
daylilly	Hemerocallis spp.	aztec gold bright yellow (hybrid) single gold (evergreen) wilsonís yellow	D D D
dianthus (sweet william)	Dianthus spp.		D
delphinium	Delphinium spp.	magic fountain	D
dogwood	Cornus florida		D
dogwood, American	Cornus sericea	flavarimaea	D
Douglas fir	Pseudotsuga menziesii		D
dusty miller	Senecio cineraria		D
elm, drake	Ulmus parvifolia		D
eulaliagrass	Miscanthus sinensis	maiden grass	O,D

			Recommended Method
Common Name	Botanical Name	Tolerant Cultivar	of Application [†]
euonymus	Euonymus fortunei	argenteo-variegata	D
		auereo-marginata	D
		colorata	D
		emerald gaiety	D
		emerald ëN gold	D
		gold edge	D
		gold princess	D
		silver king tricolor	D D
		vegetus	D
euryops, green leaved	Euryops pectinatus	viridis	O,D
fan palm, European	Chamaerops humilis	Viriuis	D
fan palm, Mexican	Washingtonia robusta		D
fern (various)	Asparagus spp.		D
fescue	Festuca glauca		D
fetterbush	Leucothoe fontanesiana	rainbow	D
ficus	Ficus retusa	nitidia	D D
fir fraser	Abies fraseri	Titiula	D
forsythia	Forsythia X intermedia	arnold dwarf	D
		bronxensis dwarf	D
		lynwood gold	D
		meadowlark	D
		spring glory	O,D D
fountain grass, purple	Pennisetum setaceum	weeping rubrum	O,D
fuchsia	Fuchsia spp.	rabram	D
galium	Galium ordoratum		D
gardenia	Gardenia jasminoides	mystery	D
garderna	Gardenia jasminoides	radicans	D
		white gem	O,D
geranium	Pelargonium X hortorum		D
gum	Eucalyptus citriodora		D
hawthorn	Crataegus spp.	cockspur white	D
		crimson cloud	D
		enchantress	D
		jack evans	D
		Washington white	D
heather, twisted	Erica cinerea	Mediterranean pink	D
hemlock, Canada	Tsuga canadensis		D
hibiscus	Hibiscus spp.	blue bird	D
		brilliant	D
		hula girl	D
holly	<i>llex</i> spp.	blue boy	D
		blue girl	D
	Ilex X meserveae	burfordii	D
		China girl	D
		compacta	D
		forsteri hellerie	D D
		Japanese northern beauty	D
		needlepoint	D
		Nellie R. Stevens	D
	Ilex X attenuata	savannah	D
holly, Chinese	Ilex cornuta		D
hally Jananasa	llex crenata		D
holly, Japanese	non oronata		

			Recommended Method
Common Name	Botanical Name	Tolerant Cultivar	of Application [†]
honeysuckle	Lonicera japonica	claveyís dwarf halliana	D D
		tatarian Canadian white	D
		zebelli red hosta	D
hosta	Hosta spp.	albo marginata	D
	Hosta lancifolia	also malginata	D
ice plant	Carpobrotus edulis		O,D
ice plant, white trailing	Delosperma alba		O,D
impatiens	Impatiens spp.		D
iris	<i>Iris</i> spp	dwarf blue	D
		wedgewood	D
ivy, English	Hedera helix	Bulgaria	D 0
jasmine, Asian	Trachelospermum asiaticum	thorndale	D D
jasmine, star	Trachelospermum jasminoides		D
		arcadia	
juniper	Juniperus spp.	armstrong	D D
		bar harbor	D
	Juniperus horizontalis	blue chip	D
	ouriporas nonzonans	blue Pacific	D
		blue rug	D
	Juniperus horizontalis	blue star	D
	,	broadmoor	D
		buffalo	D
		calgary carpet	D
		emerald sea	D
		emerald spreader	D
		endora compacta	D
		fruitlandi	D
		green	D D
		gold tip hetzi	D
		hughes	D
		Manhattan blue	D
		parsoni	D
		pfitzeriana	D
		plumosa	D
		Prince of Wales	D
		procumbens dwarf	D
		San Jose	D
		sargent blue	D
		sargent green	D
		scandia	D
		scopulorum moonglow	D
		scopulorum skyrocket	O,D
	luninorus chinosois	spartan tamariscifolia	D D
	Juniperus chinensis	tamariscifolia torulosa	O,D
	Juniperus sabina	weberi	D
	,	youngstown	D
		Yukon belle	D
king palm	Archontophoenix cunninghamiana		O,D
laurel, Australian	Pittosporum tobira		O,D
laurel, mountain	Kalmia latifolia		D
leucothoe	Leucothoe fontanesiana		D
ligustrum, Japanese	Ligustrum japonicum		D
lily, African	Agapanthus africanus	albus	D
		peter pan	D

Common Name	Botanical Name	Tolerant Cultivar	Recommended Method of Application [†]
lily, African blue	Agapanthus africanus	streamline	D
lily of the valley	Pieris japonica	Mt. Fire	D
lilyturf	Liriope muscari	evergreen giant	D
		lilac beauty	D
		majestic monroe white	O,D D
		silvery sunproof	O,D
		variegata	D
liriope, green	Liriope spicata	Ĭ	D
maple, amur	Acer ginnala	emerald elf	O,D
maple, Japanese	Acer japonicum		D
maple, Norway	Acer platanoides		D
maple, red ^{††}	Acer rubrum	red sunset	O,D
maple, silver	Acer saccharinum		D
maple sugar [™]	Acer saccharum		D
marigold	Tagetes patula	honeycomb	D
•		variegata	D
		wheelerís dwarf	D
mock orange ^{††}	Philadelphus spp	golden	D D
mondo grass	Ophiopogon japonicus	snowflake double white	D
moss rose	Portulaca grandiflora	sunnyside	D
myrtle, crape	Lagerstroemia indica	faurei	D
,, σ.αρσ	_agereneeaa.ea	langer	D
		muskogee	D
		standard pink	D
myrtle, wax	Myrica californica		D
nandina	Nandina domestica	compacta nana	D D
narcissus	Narcissus spp.		D
oak, laurel	Quercus laurifolia		D
oak, pin	Quercus palustris		D
oak, red	Quercus rubra		D
oak, southern	Quercus virginiana		D
oak, willow	Quercus phellos		D
oleander	Nerium oleander	hardy red	D
		petite pink	D
		sister agnes	D
osteospermum	Osteospermum fruticosum	whirligig	D
pachysandra	Pachysandra terminalis		D
palm, bangalow	Archontophoenix cuninghamiana		D
pampas grass	Cortaderia selloana		D
pansy	Viola x wittrockiana		D
paper flower	Bougainvillea glabra	Barbara Karst	O,D
peach ^{††}	Prunus persica		D
periwinkle, dwarf	Vinca minor		D
petunia	Petunia X hybrida	picoti	D
photinia, red tip	Photinia X fraseri		D
pieris	Pieris japonica		D
pine, Afghan	Pinus eldarica		D
pine, Australian	Pinus nigra		O,D
pine, black	Pinus nigra	Austrian black	D
pine, Japanese black	Pinus thunbergiana		D

Common Name	Botanical Name	Tolerant Cultivar	Recommended Method of Application [†]
pine, loblolly	Pinus taeda		D
pine, longleaf	Pinus palustris		D
pine, mugo	Pinus mugho		D
pine, Scotch	Pinus sylvestris		D
pine, slash	Pinus elliottii		D
pine, Swiss Mt.	Pinus mugo		D
pine, Virginia	Pinus virginiana		D
pine, white	Pinus strobus		O,D
pineapple, guava ^{††}	Feijoa sellowiana		D
pittosporum, Japanese	Pittosporum tobira		D
plumbago, cape	Plumbago auriculata	royal aana	O,D
potentilla	Potentilla nepalensis	royal cape abbotswood	D
potentina	Potentilla fruticosa	abbotswood	D
privet	Ligustrum japonicum	golden vicary	D
		regal	D
		texanum	O,D
		wax	D
privat aloogy	Liquotrum luoidum	yellow tipped	D
privet, glossy	Ligustrum lucidum		
pyracantha	Pyracantha koidzumii	gnome	D
		lalandei victory	D O,D
queen palm	Arecastrum rammanzoffianum	Victory	D
quince, Japanese ^{††}	, tredastram rammanzemanam		D
rhododendron	Dhadadandran ann	album	D
mododendron	Rhododendron spp	cunningham white	D D
		fashion	D
		hardy	D
		PJM	D
		purple gem	D
		silvery pink	D
rhododendron, Carolina	Rhododendron carolinianum		D
rhododendron, catawba	Rhododendron catawbiense		D
ribbon grass	Phalaris arundinacea		D
rockcress	Arabis spp.	snowcap	D
rhodie max (rosebay)	Rhododendron maximum		D
rose ^{††}	Rosa banksiae	luta	D
rose, knockout shrub	Rosa spp. hybrid	knockout	O,D
rosemary ^{††}	Rosmarinus officinalis		D
rosemary, bog	Andromeda polifolia	nana	D
salvia	Salvia farinacea	rhea	D
sedum	Sedum spurium	dragon blood red	D
		red carpet	D
amakatraa raysal aysala	Catinua aggregata	yellow	D
smoketree, royal purple	Cotinus coggygria	royal purple	D D
snapdragon	Antirrhinum spp.	otovilo	
snowball, common	Viburmum opulus	sterile	O,D
sourwood	Oxydendrum arboreum		D
spiraea	Astilbe X arendsii	fanall	D

Common Name	Botanical Name	Tolerant Cultivar	Recommended Method of Application [†]
spiraea	Spiraea spp.	anthony waterer red	D
opdou		dolchica	D
		froebeli pink	D
		goldenflame red	D
		snowmound white	D
		van houtte white	D
spiraea, garland	Spiraea spp.		D
spruce, Black Hills	Picea glauca		D
spruce, Colorado blue	Picea pungens	glauca	O,D
spruce, Norway	Picea abies		D
spruce, white	Picea glauca	conica	D
sweetflag, Grassyy-Le			D
sweetgum	Liquidambar styraciflua		D
sycamore	Platanus occidentalis		D
tree fern (tiki fern)	Asparagus virgatus		D
trumpet flower, evening	Gelsemium sempervirens		D
tulip	Tulip, spp	apeldoorn	D
tufted hairgrass	Deschampsia caespitosa		D
variegated society garlic	Thulbaghia violacea	variegata	O,D
verbena, shrub	Lantana sellowiana		D
vervain	Verbena spp.	St. Paul	D
viburnum	Viburnum spp.	American cranberry bush	D
		arrowood	D
		common snowball	D
		European cranberry bush	D
		linden	D
		mohican	D
oderna (markada lida)	Minaranian	wright	D
vinca (periwinkle)	Vinca minor		D
windmill palm	Trachycarpus fortunei		D
xylosma	Xylosma congestum		D
yarrow	Achillea spp.		D
yaupon	Ilex vomitoria	dwarf	D
yew	Taxus cuspidata	capitata	O,D
	Taxus X media	denisiformis	D

O=Over-the-top spray; D=Directed spray
 Ornamental species only. Do not use on plants grown for food.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. All such risks shall be assumed by buyer.

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

- Refund of purchase price paid by buyer or user for product bought, or
- 2. Replacement of amount of product used

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

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