

62719-468

05/15/2002

1/19



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division #7505C
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
62719-468

Date of Issuance:
MAY 15 2002

NOTICE OF PESTICIDE:

Registration
 Reregistration

Under FIFRA, as amended.

Term of Issuance:
Conditional

Name of Pesticide Product:
Dimension® Ultra SC II

Name and Address of Registrant (include ZIP Code):

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Add the phrase "EPA Registration No.62719-468 to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGE 2 OF THIS NOTICE OF REGISTRATION

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product under the enclosed stamped copy of the label constitutes acceptance of these conditions.

Enclosure

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Signature of Registrant:

Joanne I. Miller

Date:

MAY 15 2002

(Base Label):

(Logo) Dow AgroSciences

Dimension* Ultra SC II

A selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns, commercial sod farms, ornamental turf (including golf course fairways, roughs, tee boxes, and putting greens) and landscape ornamentals

In New York State, this product may only be used by professional applicators at no more than 0.125 gallons (16 fluid ounces) per acre per year (0.25 pounds active ingredient).

Active Ingredient:

dithiopyr: 3,5-pyridinedicarbothioic acid, 2-
(difluoromethyl)-4-(2-methylpropyl)-6-
(trifluoromethyl)-S,S-dimethyl ester 22.4%

Inert Ingredients 77.6%

Total 100.0%

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

MAY 15 2002

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.**

62719-468

Contains 2.0 pounds active ingredient per gallon

Keep Out of Reach of Children

CAUTION

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

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

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.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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 adversely affect aquatic organisms in adjacent aquatic sites. 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 washwaters.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use including Storage and Disposal.

3/19

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 at end of label booklet. 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.

EPA Reg. No. 62719-XXX

EPA Est. _____

*Trademark of Dow AgroSciences LLC
Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Micro-Encapsulated Herbicide

Net Contents __ Gal

4/19

(Label Booklet):

(Logo) Dow AgroSciences

Dimension* Ultra SC II

A selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns, commercial sod farms, ornamental turf (including golf course fairways, roughs, tee boxes, and putting greens) and landscape ornamentals

In New York State, this product may only be used by professional applicators at no more than 0.125 gallons (16 fluid ounces) per acre per year (0.25 pounds active ingredient).

Active Ingredient:

dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)- S,S-dimethyl ester	22.4%
Inert ingredients	77.6%
Total	100.0%

Contains 2.0 pounds active ingredient per gallon

Keep Out of Reach of Children

CAUTION

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.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use including Storage and Disposal.

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 at end of label booklet. If terms are unacceptable, return at once unopened.**

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Micro-Encapsulated Herbicide

Net Contents __ Gal

Precautionary Statements

CAUTION

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

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.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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 adversely affect aquatic organisms in adjacent aquatic sites. 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 washwaters.

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.

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 this label about personal protective equipment (PPE) and restricted-entry 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
- Waterproof gloves
- Shoes 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.

6/19

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Storage: Store this product only in its original container in a dry, cool, secured storage area. Store this product above 32°F. In case of leak or spill, observe all protective and safety precautions during cleanup. Dispose of material according to "Product Disposal" instructions.

Product Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

Container Disposal: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, by incineration or if allowed by State and local authorities, by burning. If burned stay out of smoke.

Use Directions for Professional Turf Use

Dimension* Ultra SC II herbicide is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns, commercial sod farms and ornamental turfs, including golf course fairways, roughs, tee boxes, and putting greens. This product will not harm established ornamentals identified as "**Tolerant Ornamentals**" on this label when used according to label directions. The performance of this product is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. If this product is not activated by rainfall or irrigation within 30 days of application, erratic weed control may result.

Use Precautions and Restrictions**Turfgrass Safety**

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on turf that is not well-established, or has been weakened by weather, pests, disease, chemical, mechanical or other related stress, may result in turf injury.

This product should only be applied to turf that is composed of the following turfgrass species that have been determined to be tolerant to applications of this product.

When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product (see the "Golf Course Putting Greens" precautions section for additional turfgrass safety information):

Cool-Season Grasses

<u>Common Name</u>	<u>Scientific Name</u>
Bentgrass, Creeping (1)	<i>Agrostis palustris</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, Fine (2)	<i>Festuca rubra</i>
Fescue, Tall	<i>Festuca arundinacea</i>
Ryegrass, Perennial	<i>Lolium perenne</i>

Warm-Season Grasses

<u>Common Name</u>	<u>Scientific Name</u>
Bahiagrass	<i>Paspalum notatum</i>
Bermudagrass (3)	<i>Cynodon dactylon</i>
Buffalograss (4)	<i>Buchloe dactyloides</i>
Carpetgrass	<i>Axonopus affinis</i>
Centipedegrass	<i>Eremochloa ophiuroides</i>
Kikuyugrass	<i>Pennisetum clandestinum</i>
Seashore Paspalum	<i>Paspalum vaginatum</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>
Zoysiagrass	<i>Zoysia japonica</i>

7/19

- (1) Use of this product is not recommended 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.
- (2) Use of this product on certain varieties of fine fescue is not recommended as use may result in undesirable turf injury. 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.
- (3) Use of this product on 'Tifgreen' (328) hybrid bermudagrass greens is not recommended as use may result in undesirable turfgrass injury.
- (4) 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 10 weeks after a single application of this product, or 4 months after a split application program totaling more than 0.73 fl oz/1000 sq ft may inhibit the establishment of desirable turfgrasses. Overseeding Bermudagrass with perennial ryegrass may be made 8 weeks after an application of this product. 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.

Golf Course Putting Greens

Putting greens should be well drained and managed to promote the development of deep rooting systems. The use of this product on greens without good root development may result in undesirable turfgrass injury. Application of this product to overseeded greens should be made less than four weeks before the transition period from overseeded turfgrass back to established turfgrass. Do not apply this product to golf course putting greens that are under stress. High temperatures cause stress to greens increasing the risk of turfgrass injury. Do not use this product if *Poa annua* cover is desirable.

- Use of this product on 'Tifgreen' (328) hybrid bermudagrass greens may result in undesirable turfgrass injury.
- Do not apply this product to Colonial bentgrass greens.
- For additional margins of turfgrass safety on greens and where consistent with local use guides, consider the use of split applications (made at rates equal to one-half of the Program 3 single application use rate recommended for your region in Table 1 on this label) spaced 6-8 weeks apart.
- Do not tank-mix this product with other products (other than marking dyes or foams) for application to greens.
- Do not use this product on Putting Greens that have been treated within four weeks with a plant growth regulator.
- Do not apply this product in the fall before covering greens for winter protection.
- Properly calibrate application equipment prior to usage, and do not apply this product through equipment that uses cluster spray nozzles (due to variability in application use rates and spray patterns).

Sod Production

Do not apply this product until sod is well established. It is recommended that sod be established for at least six (6) months before application of Dimension Ultra SC II is made.

Do not apply this product within three (3) months of harvest.

Other Use Precautions

Early postemergence applications of this product will control crabgrass only if applied prior to the fifth leaf (first tiller) stage of growth of crabgrass. For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product.

- Do not apply this product until the grass has recovered from these cultural practices.
- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- Do not graze livestock or feed foliage cut from areas treated with this product.

Application Directions

Application Equipment and Instructions

Apply this product through conventional liquid application equipment in a sufficient volume of carrier solution to provide a uniform spray distribution. **Do not** apply this product through liquid application equipment that uses cluster spray nozzles or other boomless spray equipment due to variability in application use rates and spray patterns. 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.

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

Mixing Procedures

Be sure sprayer is clean and not contaminated with other materials prior to use. Fill the spray tank 1/4 to 1/2 full with clean water and start agitation. Be certain that the agitation system is working properly and creates a rolling or rippling on the liquid surface. With the agitator running, add the required amount of Dimension Ultra SC II into the tank. Continue filling tank with the remainder of the water. Always add Dimension Ultra SC II into solution prior to adding any additional materials to the tank. Keep the spray solution properly agitated to prevent settling.

Note: Dimension Ultra SC II is compatible with boron and spray oils.

Control of Crabgrass

Preemergence and Early Postemergence Control.

This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs. This product can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth after the crabgrass has emerged from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Early post-emergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. The practical benefit of this product's additional, early postemergence activity (compared to strictly preemergence crabgrass products) is to give the user a 2-8 week longer window of application (depending on climatic conditions and crabgrass growth rates) for effective control of crabgrass.

Application Frequency and Timing.

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

- **Do not** apply more than 0.25 gallons (32 fl oz) per acre or 0.73 fl oz/1000 sq ft per application, and no more than 0.75 gallons per acre or 2.2 fl oz/1000 sq ft per year if using split or sequential applications.
- In New York State, do not apply more than 0.125 gallons per acre or 0.37 fl oz/1000 sq. ft per year.

Spring Applications.

For applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the three control programs listed in Table 1, depending on 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 on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

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

Use Program 2 for preemergence control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used

9/19

for early postemergence control up to crabgrass tillering at sites where turfgrass is cut relatively high (e.g., residential lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways) and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control up to crabgrass tillering at sites where turfgrass is cut relatively low (e.g., golf fairways).

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired. Split applications may also be made, with the rates in Table 1 being split across two applications made 5-10 weeks apart. Such applications may provide improved weed control.

Table 1 Recommended Use Rates

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

- Do not apply more than 0.25 gallons (32 fl oz) per acre or 0.73 fl oz/1000 sq ft per application.
- If using split or sequential applications, do not apply more than 0.73 gallons per acre or 2.2 fl oz/1000 sq ft per year.
- In the state of New York, do not apply more than 0.125 gallons, 16 fl oz, or 0.37 fl oz/1000 sq ft (0.25 lb active ingredient) per acre per year.

Region	Application Rates	Program 1	Program 2	Program 3
All states, except NY, and parts of states not listed in transition, south, coastal south or west.	gal/acre	0.09	0.125	0.19
	fl oz/acre	12	16	24.3
	fl oz/1000 sq ft	0.28	0.37	0.56
	lb ai/acre	0.19	0.25	0.38
Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, & RI	gal/acre	0.125	0.19	0.25
	fl oz/acre	16	24.3	32
	fl oz/1000 sq ft	0.37	0.56	0.73
	lb ai/per acre	0.25	0.38	0.5
South: AL, AR, GA, LA, MS, NC, NM, OK, SC, TN, & TX	gallons per acre	0.19	0.125 + 0.125	0.155 + 0.155
	fl oz per acre	24.3	16 + 16†	20 + 20†
	fl oz/1000 sq ft	0.56	0.37 + 0.37	0.46 + 0.46
	lb ai/per acre	0.38	0.25 + 0.25	0.31 + 0.31
Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX	gallons per acre	0.125 + 0.125	0.155 + 0.155	0.19 + 0.19
	fl oz per acre	16 + 16†	20 + 20†	24.3 + 24.3†
	fl oz /1000 sq ft	0.37 + 0.37	0.46 + 0.46	0.56 + 0.56
	lb ai. acre	0.25 + 0.25	0.31 + 0.31	0.38 + 0.38
West: AZ, CA, & NV. In this climatically diverse region, use the higher rates in local areas with longer crabgrass seasons.	gallons per acre	0.09 - 0.125	0.125 - 0.19	0.15 + 0.125
	fl oz per acre	12 - 16	16 - 24.3	16 + 16†
	fl oz/1000 sq ft	0.28 - 0.37	0.37 - 0.56	0.37 + 0.37
	lb ai/per acre	0.19 - 0.25	0.25 - 0.38	0.25 + 0.25

† Split applications may be made 5 - 10 weeks apart.

Fall Applications.

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 Table 1 to provide control of crabgrass through the early part of the next spring.

The Fall Application may be followed by an appropriate spring application to provide season-long control. Apply no more than 0.25 gallons or 32 fl oz/acre or 0.73 fl oz/1000 sq ft per application, and apply no more than 0.75 gallon per acre or 2.2 fl oz /1000 sq ft per year if using split or sequential applications. In New York State, do not apply more than 0.125 gallons per acre or 0.37 fl oz/1000 sq ft per year.

10/19

Control of other Grass and Broadleaf Weeds

Weeds Controlled

Used as directed, Dimension Ultra SC II will control or suppress the following annual grass and broadleaf weeds when applied prior to their emergence. This product will not control established grasses, except for crabgrass in early stages of development, and broadleaf weeds; therefore, the area to be treated should be free of weeds prior to application.

Grasses	
Common Name	Scientific Name
barley	<i>Hordeum</i> spp.
barnyardgrass	<i>Echinochloa crus-galli</i>
bluegrass, annual	<i>Poa annua</i>
brome	<i>Bromus</i> spp.
crabgrass, large	<i>Digitaria sanguinalis</i>
crabgrass, smooth	<i>Digitaria ischaemum</i>
crabgrass, Southern	<i>Digitaria ciliaris</i>
crowfootgrass	<i>Dactyloctenium aegyptium</i>
dallisgrass (seedling)	<i>Paspalum dilatatum</i>
goosegrass	<i>Eleusine indica</i>
foxtail, green	<i>Setaria verdi</i>
foxtail, yellow	<i>Setaria faberi</i>
kikuyugrass	<i>Pennisetum clandestinum</i>
oats, wild	<i>Avena fatua</i>
ryegrass (annual & perennial)	<i>Lolium</i> spp.
smutgrass	<i>Sporobolus indicus</i>

Broadleaf Weeds	
Common Name	Scientific Name
bird's-crucifix	<i>Cardamine</i> spp.
carpetweed	<i>Mollugo verticillata</i>
chickweed	<i>Stellaria</i> spp.
geranium, Carolina	<i>Geranium carolinianum</i>
henbit	<i>Lamium</i> spp.
knotweed, prostrate	<i>Polygonum saviculare</i>
lespedeza, common	<i>Lespedeza striata</i>
marehail	<i>Conyza canadensis</i>
medic, black	<i>Medicago lupulina</i>
mustard	<i>Brassica</i> spp.
oxalis, buttercup	<i>Oxalis pes-caprae</i>
pineappleweed	<i>Matricaria matricarioides</i>
pigweed, redroot	<i>Amaranthus retroflexus</i>
parsley-piert	<i>Alchemilla arvensis</i>
purslane, common	<i>Portulaca oleracea</i>
rocket, London	<i>Sisymbrium irio</i>
shepherdspurse	<i>Capsella bursa-pastoris</i>
speedwell, corn	<i>Veronica arvensis</i>
spurge, garden	<i>Euphorbia hirta</i>
spurge, prostrate	<i>Euphorbia humistrata</i>
spurge, spotted	<i>Euphorbia maculata</i>
woodsorrel, creeping	<i>Oxalis corniculata</i>
woodsorrel, yellow	<i>Oxalis stricta</i>

Tank Mixtures

Read the label of each tank mixture product used and follow the precautionary statements, directions for use, and other restrictions. **Do not** tank-mix this product with other products (except marker dyes and foams) for application to golf greens. This product may be tank-mixed with fluid fertilizers and/or MSMA and Acclaim herbicide. A compatibility test is suggested before tank-mixing this product.

Tank Mixtures for Postemergence Control of Crabgrass

Application of this product alone provides early postemergence control of crabgrass when treated prior to reaching the tillering stage of growth. For postemergence control of tillered crabgrass up to 3 tillers, this product should be applied in combination with either MSMA or Acclaim.

Use the lower rate if preemergence herbicides have been applied prior to the postemergence application; otherwise use the high rate. Observe all limitations, precautionary statements, and use restrictions on labels for MSMA or Acclaim when using these tank mixtures. Refer to specific turfgrass species for safety information for these products. The addition of a nonionic surfactant may improve control. Always read and follow the surfactant manufacturer's label recommendations.

Mixing Instructions

Dimension Ultra SC II Alone with Water as the Carrier: Fill the previously cleaned spray tank to about three-fourths of the desired volume with water and agitate the tank. Add the recommended amount of this product to the tank and agitate. 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 Ultra SC II Alone with Fluid Fertilizer as the Carrier: First, determine the compatibility of this product with the desired fluid fertilizer by mixing small proportional quantities in advance. Follow the mixing procedure listed below for tank mixtures.

Tank Mixtures:

1. Place a 20- to 35-mesh screen or wetting basket over the filling port.
2. Fill the previously cleaned sprayer half full with the appropriate carrier. Start agitation and continue agitation through mixing and spraying operations.
3. Add a compatibility agent if needed. Read and follow all of the information found on the product label for the selected compatibility agent. Check for adequate agitation.
4. Add this product to the tank.
5. If a flowable pesticide formulation is used, premix with one part water, and add **slowly** to tank.
6. Add emulsifiable concentrate to the tank.
7. If wettable powder or dry flowable pesticide formulation is used, make a slurry with the water, and add it **slowly** to the tank.
8. Add water-soluble liquid pesticide formulations followed by surfactants, marker dyes or foams, or drift control additives while continuing the filling process.
9. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source.
10. Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, agitate thoroughly to resuspend the mixture before resuming spraying.

Use Directions for Ornamental Plantings and Containers

Dimension Ultra SC II herbicide provides preemergence control of listed annual grass and broadleaf weeds in areas planted with tolerant ornamental plants listed on this label. This product is intended for use on plants being grown for aesthetic purposes in landscaped areas. When applied as directed, the ornamental plants listed on this label have shown tolerance to post-directed applications of Dimension Ultra SC II. It is impossible, however, to evaluate tolerance to this product on all ornamental plant species or varieties or under all possible growing conditions. Under your growing conditions, a limited area involving only a few plants should be treated for tolerance evaluation prior to large-scale applications.

Note: This product is not recommended for use as an over-the-top broadcast spray in landscape ornamentals. Foliage that receive direct or indirect (drift) spray contact may be injured. The injury is typically cosmetic and the plants normally outgrow this condition rapidly and develop normally.

12/19

Use Rates:

Apply Dimension Ultra SC II with a calibrated sprayer that will assure accurate, even, spray distribution. In general, Dimension Ultra SC II should be thoroughly mixed with clean water at 0.25 gallons per acre or 0.73 fl oz of product /1000 square feet per application and applied at 20 to 40 psi in a minimum of one gallon of water per 1000 square feet. This product may be applied as a single application or as a split application prior to weed seed germination.

Do not apply more than 0.25 gallons per acre or 0.73 fl oz/1000 sq ft per application, and no more than 0.6 gallons per acre or 1.76 fl oz/1000 sq ft per year if using split or sequential applications. This product may be applied as a split application or as a sequential application for weed control in the spring, summer or fall. Refer to the following table for product recommendations when treating a small area.

In New York State, do not apply more than 0.125 gallons per acre or 0.37 fl oz/1000 sq. ft per year.

Dimension Ultra SC II	
(gal/Acre)	(fl oz/1000 sq ft)
0.25	0.73

Application Timing and Recommendations

Apply Dimension Ultra SC II as a post-directed spray around established ornamentals. Direct sprays to the soil at the base of the ornamentals avoiding contact or drift to foliage.

Dimension Ultra SC II is a preemergence herbicide that will control germinating weeds. It will not control weeds that are established. Make applications prior to weed seed germination 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 making an application, control existing vegetation by hand weeding, by cultivation or with a postemergence herbicide. Once an application of this product has been made, 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 and plant roots.

Precautions

- Only apply this product to established ornamentals.
- **Do not** apply this product to bare roots of ornamental plants as injury may result.
- **Do not** incorporate this product into 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, nematodes or diseases).
- **Do not** make applications when weather conditions favor drift to non-target areas. This product may injure foliage of non-target plants not identified as "Tolerant Ornamental Plants" on this label.
- **Do not** apply this product on grasses grown for seed.
- **Do not** graze livestock or feed forage cut from areas treated with this product.
- **Do not** apply this product in enclosed structures and greenhouses.
- **Do not** apply another herbicide within 4 weeks after application of this product.

Tolerant Ornamental Plants †

When applied as directed under the conditions described on this label, ornamentals listed below have shown tolerance in field trials. However, this product has not been tested on all cultivars of each species or under all possible growing conditions. Under your growing conditions, a limited number of plants should be treated for tolerance evaluations, prior to initiating large-scale applications. Follow directions given above to determine plant tolerance under your growing conditions prior to large-scale use.

† Apply to Ornamental species only. Do not use on food producing trees and plants.

Common Name	Scientific Name	Tolerant Cultivars
Abelia, Dwarf	<i>Abelia X grandiflora</i>	Nana
Ajuga	<i>Ajuga reptans</i> <i>Ajuga genevensis</i>	Bronze Bronze Beauty
Almond, Flowering	<i>Prunus glandulosa</i>	
Apple*	<i>Malus pumila</i>	
Arborvitae	<i>Thuja occidentalis</i>	Nigra Pyramidalis Smaragh Techny Woodwardii
Arborvitae, Golden	<i>Thuja orientalis</i>	
Aster, Chinese	<i>Callistephus chinensis</i>	Dwarf Queen
Ash, Green	<i>Fraxinus pennsylvanica</i>	
Ash, Mountain	<i>Sorbus aucuparia</i>	
Ash, Purple	<i>Fraxinus americana</i>	
Azalea	<i>Rhododendron spp.</i>	Brilliant Buccaneer Carror Chimes (Belgian) Elsie Lee Exbury Fashion Hardijzer Beauty Hershey Red Higasa Hinocrimson Holland (Hybrid) Marion Lee Northern Lights Orange Cup Orchid Lights Snow Southern Charm
Azalea, Flame	<i>Rhododendron calendulaceum</i>	
Azalea, Kirishima		
Bamboo, Heavenly		
Barberry	<i>Berberis thunbergii</i>	Aurea Dwarf Pigmy Green Kobold Pygmy Red Rose Glow
Barberry, Purple		Atropurpurea
Basket flower	<i>Gaillardia grandiflora</i>	
Beach grass	<i>Ammophila breviligulata</i>	
Bearberry (common)	<i>Arctostaphylos uva-ursi</i>	Massachusetts
Bee Balm	<i>Monarda didyma</i>	
Begonia	<i>Begonia spp.</i>	
Birch, River	<i>Betula nigra</i>	
Blackeyed Susan	<i>Rudbeckia hirta</i>	Goldstrum
Blanket Flower	<i>Gaillardia spp.</i>	
Blueberry*	<i>Vaccinium spp.</i>	Bluecrop Blue Jay Jersey North Blue Northland
Blue Fescue	<i>Fetucca ovina</i>	

14/19

Bottlebrush	<i>Callistemon citrinus</i>	
Boxwood, Japanese		Japonica
Boxwood, Weller	<i>Buxus sempervirens</i>	
Broom	<i>Cytisus spp.</i> <i>Genista pilosa</i>	Moonlight Vancouver Gold
Bugle Carpet		
Camellia	<i>Camellia japonica</i> <i>Camellia sasangua</i>	Debutante Mathotiana Supreme Chansonette
Candy Tuft	<i>Iberis spp.</i>	Snow White
Carex, Variegated	<i>Carex</i>	
Cedar, Red	<i>Juniperus virginiana</i>	
Celosia	<i>Celosia spp.</i>	
Centaurea	<i>Centaurea montana</i>	Scarlet Plumosa
Cockscomb, Plumosa	<i>Celosia cristata</i>	Red Kewpie
Coleus	<i>Coleus blumei</i>	
Columbine	<i>Agui legre spp.</i>	
Copper leaf	<i>Acalypha wilkensisiana</i>	
Coreopsis	<i>Ceropsis spp.</i>	Moonbear
Corn Flower	<i>Centaurea spp.</i>	
Cotoneaster	<i>Cotoneaster apiculatus</i>	
Coyotebrush	<i>Baccharis pelulans</i>	
Cycads	<i>Cycads revoluta</i>	
Cypress, Bald	<i>Taxodium distichum</i>	
Cypress, Italian	<i>Cupressus sempervirens</i>	Glauca
Cypress, Japanese False	<i>Chamaecypans obtusa</i>	Gracilis
Cypress, Leyland	<i>Cupressocypans leylandii</i>	
Daffodil	<i>Narcissus spp.</i>	King Alfred
Daylily	<i>Hemerocallis spp.</i>	Aztec Gold Bright Yellow (Hybrid) Single Gold (Evergreen) Wilson's Yellow
Dianthis (Sweet William)	<i>Diathanthus barbatus</i>	
Delphinium	<i>Delphinium elatum</i>	Magic fountain
Dogwood	<i>Cornus florida</i>	
Dogwood, American	<i>Cornus sencea</i>	Flavarimaea
Douglas Fir	<i>Pseudotsuga menziesii</i>	
Dusty Miller	<i>Senecio cineraria</i>	
Elm, Drake	<i>Ulmus parvifolia</i>	
Euonymus	<i>Euonymus totunei</i>	Argenteo-variegata Auereo-marginata Colorata Emerald Gaiety Emerald 'N Gold Gold Edge Gold Princess Silver King Tricolor Vegetus
Fan Palm, European	<i>Chamaerops humilis</i>	
Fan Palm, Mexican	<i>Washingtonia robusta</i>	
Fern (various)	<i>Asparagus spp.</i>	
Fescue	<i>Festuca glauca</i>	
Fetterbush	<i>Leucothoe fontiana</i>	Rainbow
Ficus	<i>Ficus retusa</i>	Nitidia
Fir Fraser	<i>Abies fraseri</i>	
Forsythia	<i>Forsythia X intermedia</i>	Arnold Dwarf Bronxensis Dwarf

15/19

	<i>Spring Glory</i>	Lynwood Gold Meadowlark Weeping
Fountain grass	<i>Pennisetum setaleum</i>	
Fuchsia	<i>Fuchsia spp.</i>	
Galium	<i>Galium odoratum</i>	
Gardenia	<i>Gardenia jasminoides</i>	Mystery Radicans
Geranium	<i>Pelargonium X hortorum</i>	
Gum	<i>Eucalyptus citnodora</i>	
Hawthorn	<i>Crataegus spp.</i>	Cockspur White Crimson Cloud Enchantress Jack Evans Washington White
Heather, Twisted	<i>Erica cinerea</i>	Mediterranean Pink
Hemlock, Canada	<i>Tsuga canadensis</i>	
Hibiscus	<i>Hibiscus spp.</i>	Blue Bird Brilliant Hula Girl
Holly	<i>Ilex spp.</i> <i>Ilex X meserveae</i> <i>Ilex X attenuata</i>	Blue Boy Blue Girl Burfodii China Girl Compacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens Savanah
Holly, Chinese	<i>Ilex cornuta</i>	
Holly, Japanese	<i>Ilex crenata</i>	
Holly, Yaupon	<i>Ilex vomitoria</i>	
Honeysuckle	<i>Lonicera japonica</i>	Clavey's Dwarf Halliana Tatarian Canadian White Zebelli Red Hosta
Hosta	<i>Hosta spp.</i> <i>Hosta lancifolia</i>	Albo Marginata
Ice Plant	<i>Carpobrotus edulis</i>	
Impatiens	<i>Impatiens spp.</i>	
Iris	<i>Iris sp.p</i>	Dwarf Blue Wedgewood
Ivy, English	<i>Hedera helix</i>	Bulgaria Thorndale
Jasmine, Asian	<i>Trachelopermum asiaticum</i>	
Juniper	<i>Juniperus spp.</i>	Arcadia Armstrong Bar Harbor
	<i>Juniperus horizontalis</i>	Blue Chip Blue Pacific Blue Rug
	<i>Juniperus horizontalis</i>	Blue Star Broadmoor Buffalo Calgary Carpet Emerald Sea Emerald Spreader Endora Compacta Fruitlandi

16/19

		Green Gold Tip Hetzi Hughes Manhattan Blue Parsoni Pfitzeriana Plumosa Prince of Wales Procumbens Dwarf San Jose Sargent Blue Sargent Green Scandia Scopulorum Moonglow Scopulorum Skyrocket Spartan
	<i>Juniperus chinensis</i>	Tamaniscifolia
	<i>Juniperus sabina</i>	Weber Youngstown Yukon Belle
King Palm	<i>Archontophoenix cunninghamiana</i>	
Laurel, Australian	<i>Pittosporum tobira</i>	
Laurel, Mountain	<i>Kalmia latifolia</i>	
Leucothoe	<i>Leucothoe fontanesiana</i>	
Ligustrum, Japanese	<i>Ligustrum japonicum</i>	
Lily, African	<i>Agapanthus africanus</i>	Albus Peter Pan
Lily, African Blue		
Lily of the Valley	<i>Piense japonica</i>	Mt. Fire
Lilyturf	<i>Liriope muscari</i>	Evergreen Giant Lilac Beauty Majestic Monroe White Variegata
Liriope, Green	<i>Liriope spicata</i>	
Maple, Japanese	<i>Acer japonicum</i>	
Maple, Norway	<i>Acer platanoides</i>	
Maple, Red	<i>Acer rubrum</i>	
Maple, Silver	<i>Acer saccharinum</i>	
Maple Sugar	<i>Acer saccharum</i>	
Marigold	<i>Tagetes patula</i>	Honeycomb Variegata Wheeler's Dwarf
Mock Orange*	<i>Philadelphus spp</i>	Golden Snowflake Double White
Mopondo Grass	<i>Ophiopogon japonicus</i>	
Moss Rose	<i>Portulaca grandiflora</i>	Sunnyside
Myrtle, Crape	<i>Lagerstoemia indica</i>	Faurei Langer Muskogee Standard Pink
Myrtle, Wax	<i>Myrica cerifera</i>	
Nadina	<i>Nadina domestica</i>	Compacta Nana
Narcissus	<i>Narcissus Spp.</i>	
Oak, Laurel	<i>Quercus laurifolia</i>	
Oak, Pin	<i>Quercus palustris</i>	
Oak, Red	<i>Quercus rubra</i>	
Oak, Southern L	<i>Quercus virginiana</i>	
Oak, Willow	<i>Quercus phellos</i>	

17/19

Oleander	<i>Nerium oleander</i>	Hardy Red Petite Pink Sister Agnes
Oteospermum	<i>Osteospermum fruticosum</i>	Wirligig
Pachysandra	<i>Pachysandra terminalis</i>	
Palm, Bangalow		
Pampas Grass	<i>Cortadaria selloana</i>	
Pansy	<i>Viola x wittrockiana</i>	
Paper Flower	<i>Bougainvillea glabra</i>	Barbara Karst
Peach*	<i>Prunus persica</i>	
Periwinkle, Dwarf	<i>Vinca minor</i>	
Petunia	<i>Petunia X hybrida</i>	Picoti
Photinia, Red Tip	<i>Photinia X fraseri</i>	
Pieris	<i>Pieris japonica</i>	
Pine, Australian	<i>Pinus nigra</i> <i>Pieris Taiwanensis</i>	
Pine, Japanese Black	<i>Pinus thumbergiana</i>	
Pine, Loblolly	<i>Pinus teada</i>	
Pine, Longleaf	<i>Pinus palustris</i>	
Pine, Mugho	<i>Pinus mugho</i>	
Pine, Scotch	<i>Pinus sylvestris</i>	
Pine, Slash	<i>Pinus elliotii</i>	
Pine, Swiss Mt.	<i>Pinus mugo</i>	
Pine, Virginia	<i>Pinus virginiana</i>	
Pine, White	<i>Pinus strobus</i>	
Pineapple, Guava	<i>Feijoa fellowaiana</i>	
Pittosporum, Japan		
Potentilla	<i>Potentilla nepalensis</i> <i>Potentilla fruticosa</i>	Abbotswood
Privet	<i>Ligustrum japonicum</i>	Golden Vicary Regal Texanum Wax Yellow Tipped
Privet, Glossy	<i>Ligustrum lucidum</i>	
Pyracantha	<i>Pyracantha koidzumii</i>	Gnome Lalandei Victory
Queen Palm	<i>Arecastrum rammanzoffianum</i>	
Quince, Japanese*		
Rhododendron	<i>Rhododendron spp</i>	Album Cunningham White Fashion Hardy PJM Purple Gem Silvery Pink
Rhododendron, Carolina	<i>Rhododendron carolinianum</i>	
Rhododendron, Catawba	<i>Rhododendron catawbiense</i>	
Ribbon grass	<i>Phalaris arundinacea</i>	
Rockcress	<i>Arabis spp.</i>	Snowcap
Rodie Max (Rosebay)	<i>Rhododendron maximum</i>	
Rose	<i>Rosa banksiaae</i>	Luta
Rosemary*	<i>Rosmarinus officinalis</i>	
Rosemary, Bog	<i>Andromeda polifolia</i>	Nana
Salvia	<i>Salvia fanacea</i>	Rhea
Sedum	<i>Sedum spunum</i>	Dragon Blood Red

		Red Carpet Yellow
Snapdragon	<i>Antirrhinum spp.</i>	
Sourwood	<i>Oxydendrum arboreum</i>	
Spiraea	<i>Astilbe X arendsii</i>	Fanall
Spiraea	<i>Spiraea spp.</i>	Anthony Waterer Red Dolchica Froebeli Pink Goldenflame Red Snowmound White Van Houtte White
Spiraea, Garland	<i>Spiraea spp.</i>	
Spruce, Black Hills	<i>Picea glauca</i>	
Spruce, Colorado Blue	<i>Picea pungens</i>	
Spruce, Norway	<i>Picea abies</i>	
Spruce, White	<i>Picea glauca</i>	Conica
Sweetflag, Grassyy-Le		
Sweetgum	<i>Liquidambar styraciflua</i>	
Sycamore	<i>Platanus occidentalis</i>	
Tree Fern (Tiki Fern)	<i>Asparagus virgatus</i>	
Trumpet Flower, Evening	<i>Gelsemium sempervirens</i>	
Tulip	<i>Tulip, spp</i>	Apeldoorn
Tufted hairgrass	<i>Deschampsia caespitosa</i>	
Verbana, Shrub	<i>Lantana sellowiana</i>	
Vervain	<i>Verbena spp.</i>	St. Paul
Viburnum	<i>Viburnum spp.</i>	American Cranberry Bush Arrowood Common Snowball European Cranberry Bush Linden Mohican Wright
Vinca (Perwinkle)	<i>Vinca minor</i>	
Windmill Palm	<i>Trachycarpus fortunei</i>	
Yarrow	<i>Achillea spp.</i>	
Xylosma	<i>Xylosma congestum</i>	
Yaupon	<i>Ilex vomitoria</i>	Dwarf
Yew	<i>Taxus cuspidata</i> <i>Taxus X media</i>	Denisiformis

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19/19

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