Please read instructions on reverse before completing form.	4/13/2001	Page 13
United States	Registration	OPP Identifier Number
⊘EPA Environmental Protection	}—┤ ¯	NOTIFICATION
Washington, DC 204	- -	
Applicatio	n for Pesticide - Section I	
Company/Product Number		3. Proposed Classification
100-834	Joanne Miller	
Company/Product (Name) Barricade 65WG Herbicide	PM# 23	x None Restricted
Name and Address of Applicant (Include ZIP Code)	6. Expedited Review. In accordance	with FIFRA Section 3(c)(3) (b)(i).
Syngenta Crop Protection, Inc.	my product is similar or identical in comp	
P. O. Box 18300 Greensboro, NC 27419	EPA Rieg. No.	
Check if this is a new address	Product Name	
	Section - II	
Arnendment - Explain below.	Final printed labels in re Agency letter dated	PSPONSE NOTIFICATION
Resubmission in response to Agency letter dated	"Me Too" Application.	APR 1 3 2001
X Notification - Explain below.	Other - Explain below.	
Explanation: Use additional page(s) if necessary. (For Soft This notification is consistent with the provisions of PR Notice 98-10 and EPA the labeling or the confidential statement of formula of this product. I underst further understand that if this notification is not consistent with the terms of Pt to enforcement action and penalties under sections 12 and 14 of FIFRA. The updated to reflect Syngenta Crop Protection, Inc. 2) The Conditions of Sale as formed by the merger of Novartis Crop Protection, Inc. and Zeneca Ag Produstatement. No other changes occur in the statement other than the name chareflect Syngenta for those products for which Syngenta holds the trademark.	regulations at 40 CFR 152.46, and no other changes ha and that it is a violation of 18 U.S.C. Sec. 1001 to willfully 8 Notice 96-10 and 40 CFR 152.46, this product may be be following changes are being made via this notification: and Warranty statement has been changed to reflect the rects, we have chosen to use the former Zeneca warranty to ange. 3) The copyright date reflects Syngenta. 4) Tradem	r make any false statement to EPA. I in violation of FIFRA and I may be subject 1) Company name and address have been name change. Because Syngenta has been statement as the Syngenta warranty lark statements have been updated to
referring to the company name have been updated.	Section - III	
Material This Product Will Be Packaged In:	Occion – III	
Child-Resistant Packaging Unit Packaging		pe of Container
Yes* Yes	Yes	Metal Plastic
No No	No -	Glass
*Certification must If "Yes" No. per	If "Yes" No. per	Paper
be submitted Unit Packaging wgt. Containe	Unit Packaging wgt. container	Other (Specify)
Location of Net Contents Information 4. Size(s) Retai Container 5. Location	on of Label Directions
Label Container	. 	On Label On Labeling accompanying product
6. Manner in Which Label is Affixed to Product	nograph Other	
Pe	per glued	
St	enciled	
Contact Point (Complete items directly below for identification	Section – IV	rocess this application)
Name	Title	Telephone No. (Include Area Code)
Nan S. Padgett	· · · · · · · · · · · · · · · · · · ·	336-632-7567
Certific I certify that the statements I have made on this form and all I acknowledge that any knowingly false or misleading statem	attachments thereto are true, accurate and comp	
both under applicable law. 2. Signature 3.	Title	
1 -9 //	bel Group Leader	
4. Typed Name 5.	Date	
	oril 2, 2001	
EDA Form (670.1 (Day 2.00) Day 1		
EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.		• • • • • • • • • • • • • • • • • • • •



NOTIFICATION

APR 1 3 2001

HERBICIDE

For selective preemergence control of grass and broadleaf weeds in:

- established turfgrasses (excluding golf course putting greens), lawns and sod nurseries
- · container, field-grown, and landscape ornamentals
- · established perennials and wildflower plantings
- · Christmas tree farms
- plants grown for cut foliage production (Florida only)

Active Ingredient:

 Prodiamine (CAS No. 29091-21-2)
 65 0%

 Other Ingredients:
 35.0%

 Total:
 100.0%

EPA Reg. No. 100-834

EPA Est. 62171-MS-001

KEEP OUT OF REACH OF CHILDREN.

See additional precautionary statements and directions for use inside booklet.

Product of the United Kingdom Formulated in the USA

SCP 834A-M4A 0201

3 POUNDS NET CONTENTS

syngenta

PULL HERE TO OPEN

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably fore-seeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Selfer be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and fine of the majorated states and the majorated selection majorated except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

WHERE TO USE

Barricade 65WG is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- established turfgrasses (excluding golf course putting greens), lawns and sod nurseries, and in container, field grown, and landscape ornamentals
- · hardwood seedling nurseries and established perennial and wildflower plantings
- · plants grown for cut foliage production
- · Christmas tree farms

HOW BARRICADE 65WG WORKS

Barricade 65WG controls susceptible weeds by preventing growth and development of newly germinated weed seeds. Weed control is most effective when Barricade 65WG is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1 to 2 inches) before weed seeds germinate and within 14 days following application.

USE PRECAUTIONS

- 1. Do not graze or feed livestock forage cut from areas treated with Barricade 65WG.
- Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank mix partners.
- 3. Do not blend Barricade 65WG onto dry fertilizer or any other granular material.

- 4. Chemigation: Do not apply this product through any type of irrigation system unless instructed otherwise in this label.
- 5. Do not apply aerially.
- 6. Do not apply to golf course putting greens.

MIXING AND APPLICATION

Mixing

Barricade 65WG must be mixed thoroughly in the spray tank to ensure uniform application. Follow these steps:

- 1. Fill the spray tank 1/4 full with clean water or fluid fertilizer only.
- 2. Start agitation and check to ensure it is working properly.
- 3. Add Barricade 65WG directly into the tank.
- 4. Add the rest of the carrier to obtain the final spray volume.
- A spray colorant may be used with Barricade 65WG to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.
- Maintain vigorous agitation in the spray tank before and during the application. This will ensure a wellmixed spray suspension.
- 7. Do not allow spray suspension to dry in the tank. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent. Refer to the Pesticide Disposal section of this label for waste disposal.

Tank Mixing Barricade 65WG

Barricade 65WG may be tank mixed with certain other EPA-registered herbicides to provide a broader spectrum of weed control or to control emerged weeds. Refer to the specific directions for use for tank mix partners, and consult the label(s) of the individual tank mix partner(s) for use rate, application timing, weeds controlled, and specific precautions and/or restrictions. Tank mixes are permitted only in states where the tank mix partner(s) are registered for the application site and the turf and ornamental species listed. When using Barricade 65WG in a tank mixture with other pesticides, observe the most restrictive label limitations and precautions on the labels of the products used.

Before tank mixing pesticides, it is advisable to test compatibility by mixing the products in a small container first. See the **Compatibility Test** section.

Compatibility Test

Before mixing Barricade 65WG with other pesticides in the spray tank, test the compatibility by mixing all components (carrier and pesticide products) in a small container in proportionate quantities. For example, a 1-qt. jar would be 1/100 the volume of a 25 gals./A spray rate. At 1 lb/A the Barricade 65WG rate would be proportional to 4.5 g per qt. Add approximately 1.5 teaspoons to a qt. of water. Calculate amounts for other products based on rate per acre. An approximate volume would be 1.5 teaspoons for each lb./A of a dry formulation and 0.5 teaspoons for each pt./A of a liquid formulation. (See following table.)

Amount of Component to Add to One Quart Jar of Spray Carrier (Assuming Carrier Volume of 25 gals./A)

	Rate Per			
Component Formulations	Acre	1,000 sq. ft.	Level Teaspoons	
Barricade 65WG	1.0 lb.	0.4 oz.	1.5	
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5	
Liquid Tank Mix Partners	1.0 pt.	0.4 oz.	0.5	

If components do not ball-up or form flakes, sludge, gels, oily films or layers, then the mixture is compatible. Incompatibility will usually occur within 5 minutes after mixing. If the components are not compatible, use a compatibility agent and rerun the test to determine if the mixture is suitable. If components are still not compatible, do not tank mix.

Mixing Order for Tank Mixtures

Notes: (1) When mixing Barricade 65WG with other components (carrier and partner pesticide products), allow products to completely dissolve between steps. This is key when tank mixing with ester formulations. (2) Maintain agitation throughout mixing and application of the mixture.

Add the products to the spray tank in the following order:

- Add products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the product to disperse before adding any other tank mix partner.
- 2. Then add water-dispersible granules (WDG or WG formulations) and wettable powders (WP formulations). Add wettable powders to the tank as agitation continues. Allow the product to disperse completely before other products are added.
- Add spray adjuvants and spray markers. Read the adjuvant's label first and use only those adjuvants approved for application to turf and ornamentals.
- 4. Add flowable liquids (FL) or suspension concentrates (SC).
- 5. Add emulsifiable concentrates (EC) last.



Application

Apply Barricade 65WG in a minimum of 20 gals/A (0.5 gal./1.000 sq. ft.) of carrier (water and/or fluid fertilizer) using a calibrated, low-pressure sprayer with 50-mesh or coarser screens. A broadcast boom or handheld wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

ESTABLISHED TURF

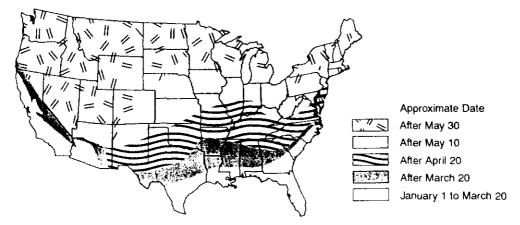
Barricade 65WG is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

- · Golf courses excluding putting greens
- Lawns
- · Sod nurseries

The maximum amount of Barricade 65WG that may be applied per year is given for each turfgrass species 1.3 a Annual Use Bates section of this label.

For optimum weed control, Barricade 65WG should be activated by at least 0.5 inch of rainfall or irrigation before weed seeds germinate and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

CRABGRASS SEED GERMINATION DATES



Use Precautions - Turfgrass

- Do not apply Barricade 65WG to areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (*Poa annua*) are desirable species.
- Do not cut (harvest) treated sod before 90 days after application. To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed edges have filled in.
- To avoid turfgrass injury, do not apply Barricade 65WG to turf stressed by conditions such as drought, low fertility, or pest damage.
- Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
- 5. Do not apply Barricade 65WG to golf course putting greens.
- 6. If the depth of the creeping bentgrass root system becomes shallow and root tips contact Barricade 65WG-treated soil, new root formation may be inhibited. Mowing height can affect the depth of a plant's root system. To avoid this, do not apply Barricade 65WG to creeping bentgrass less than 0.5 inch in height.

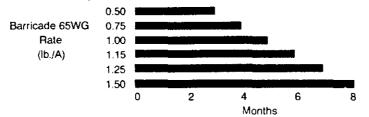
Application Timing and Rate - Turfgrass

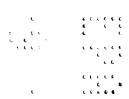
Barricade 65WG may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications should be made before target weeds germinate Barricade 65WG will not control weeds that have already emerged.

The amount of Barricade 65WG to apply depends upon:

- 1. the length of residual weed control desired (the higher the application rate, the longer the control),
- 2. the turf species,
- 3. and the maximum amount which can be applied to the turf species per calendar year.

Length of Crabgrass Control*





Annual Use Rates - Turfgrass

Barricade 65WG can be applied to the turfgrass species listed in the following table. Do not apply more than the highest rate listed for each species in a calendar year.

Maximum Application Rate of Barricade 65WG Per Calendar Year by Turfgrass Species¹

Turf Species	Lbs. product/A	oz. product/1,000 sq. ft.
Bermudagrass ² Bahiagrass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass ³ Tall Fescue (including turf-type) Zoysiagrass	1.0-2.301	0.36-0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.5-1.501	\$40 0.00
Fine Fescue	0.5-1.151	0.185-0.42
Creeping Bentgrass (0.5 inches or more in height)*	0.5-1.001	0.185-0.37

Barricade 65WG may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate for each turf species. All applications must be made before weed seeds germinate.

Weeds Controlled

When used as directed in this label, Barricade 65WG will control the following weeds:

Barnyardgrass

Kochia

Bluegrass, Annual (Poa annua)1

Lambsquarter, Common

Carpetweed

Lovegrass

Chickweed, Common²

Panicum (Texas, Fall, Browntop)

Chickweed, Mouseear (from seed) Crabgrass (Large, Smooth)³ Pigweed Purslane, Common

Crowfootgrass Cupgrass, Woolly Foxtails, Annual

Pusley, Florida Rescuegrass ⁴ Shepherds Purse ² Signalgrass, Broadleaf

Goosegrass⁵ Henbit² Itchgrass

Speedwell, Persian Sprangletop Spurge, Prostrate

Johnsongrass (from seed)

Witchgrass

Junglerice Knotweed²

otweed 2 Woodsorrel, Yellow (from seed)

When to Apply Barricade 65WG After Overseeding Turf

Injury to desirable seedlings is likely if Barricade 65WG is applied before the secondary roots of seedlings are in the second inch of soil (not thatch plus soil). To reduce the potential to injure overseeded turf, wait 60 days after seeding or until after the second mowing, whichever is longer, before applying Barricade 65WG.



² May be used on newly-sprigged or plugged Bermudagrass at rates not to exceed 0.80 lb./A (0.30 oz./1,000 sq. ft.). Newly-sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded.

³ Use an initial rate of 0.75-1.5 lbs./A per application.

⁴ To avoid grass injury, do not apply Barricade 65WG to creeping bentgrass mowed at less than 0.5 inch in height.

In areas where *Poa annua* is a winter annual, apply Barricade 65WG (see rate table) in August or September to established, non-overseeded turf before *Poa annua* seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of this label *Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only).

² To control this weed, apply Barricade 65WG in late summer, fall, or winter before weed seeds germinate.

³ Fall Applications for Spring Crabgrass Control in Cool-Season Grasses: In those areas where the ground freezes in the winter, Barricade 65WG can be applied in the fall at rates of 1.0-1.15 lbs./A after the soil temperature falls below 50°F but before the ground freezes. This application will control crabgrass the following spring.

⁴ Suppression only.

⁵In any area a single application of 1-2.3 lbs./A of Barricade 65WG will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective control may be obtained, the by making an initial application of 1-1.5 lbs./A followed, after 60-90 days, by a second application that does not exceed the maximum rate for that turfgrass species listed in the Maximum Application Rate Table.

When to Overseed After Application - All States*

Barricade 65WG will inhibit the development of turfgrass species overseeded too soon after application Follow rates and intervals in the table below for best overseeding/reseeding results.

*Note: In AZ, CA, NV, and TX, the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section "Poa Annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)".

Amount of Barricade 65WG	Interval	Interval (Months) Before Overseeding	
Lbs. Product/A	North	Transition	South
0.75	4	4	4
1.00	5	4	4
1.15	6	5	5
1.25		-	6
1.50		7	7
1.75	_	_	9
2.00			10
2.30		-	12

Poa annua control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)

Use on golf courses (excluding golf course putting greens), lawns, and sod nurseries when overseeding with perennial ryegrass (minimum seeding rate of 350 lbs./A).

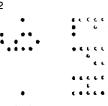
How Much and When to Apply

Amount to Apply	When to Apply	Expected Control	Use Precautions
ryegrass overseedin second application 4 to 8 weeks after overseeding or whe perennial ryegrass	6 to 8 weeks before ryegrass overseeding second application:	s before or greater control of Poa annua lication: second application may enhance control second application may enhance control 1. Some seedling mortal temporary reduction in growth of new seedling may occur. 2. To reduce the potential seedling mortality, may a moist seedbed with frequent irrigation. 3. Make no more than 2 tions per year for this and do not exceed a total seedling mortality. 4. Do not make a second cation if any injury to the seedling mortal temporary reduction in growth of new seedling mortal temporary reduction in growth of new seedling mortal temporary reduction in growth of new seedling may occur. 2. To reduce the potential seedling mortal temporary reduction in may occur. 3. Make no more than 2 tions per year for this and do not exceed a total seedling mortal temporary reduction in growth of new seedling may occur.	Some seedling mortality and temporary reduction in root growth of new seedlings may occur.
	overseeding or when perennial ryegrass roots are in the second		To reduce the potential for seedling mortality, maintain a moist seedbed with light, frequent irrigation.
			3. Make no more than 2 applications per year for this use, and do not exceed a total of 1.3 lbs./A per year.
			Do not make a second application if any injury to the ryegrass is observed after the first application.
			Do not make a second appli- cation unless the product was first applied before overseeding.

CONTAINER, FIELD GROWN, AND LANDSCAPE ORNAMENTALS (INCLUDING CHRISTMAS TREE FARMS)

Application Timing and Information Barricade 65WG:

- Will not control emerged weeds.
- 2. May be applied to newly-transplanted and established ornamentals as broadcast or over-the-top spray.
- 3. Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.
- 4. Is most effective when the product is activated in the soil before weed seeds germinate and within 14 • days after application.
- Is activated when the treated area receives at least 0.5 inch of irrigation or rainfall, or shallow (1 to 2 inches) mechanical incorporation.



Use Precautions

To reduce injury potential:

- a. In the spring when buds are rapidly growing and expanding, over-the-top application of Barricade 65WG may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Barricade 65WG over-the-top of newly emerged vegetation until it has hardened off, unless your experience indicates that the ornamental plant will not be injured by the over-the-top application.
- After application, immediately irrigate the treated area to wash Barricade 65WG from plant surfaces onto soil (watering plants before application may improve the washing process).

Ornamentals and Christmas Tree Farms - Application Sites and Instructions

Site	Application Instructions
Newly-Transplanted	Delay application until soil has settled around transplants.
Container or Field Nursery Stock	Water transplants thoroughly before application.
redisory Green	s. Apply after cuttings form roots and are established.
	4. To avoid inhibition of the tissue union, apply before budding/grafting or after buds/grafts have taken.
Established Container, Field Nursery Stock, or Landscape Plants	Apply at any time as a broadcast, over-the-top, or directed spray.
Landscape (or Ornamental) Plantings	Apply as a broadcast, over-the-top, or as a directed spray.
	Delay application to newly-transplanted ornamentals until soil has settled around transplants.
Bare Ground Application for Container Placement	Apply to soil (including mulch, gravel, wood chips, or other permeable base) upon which containerized ornamentals are placed.
	2. After Barricade 65WG is applied, perform shallow cultivation or hand weeding only, to avoid disturbing the herbicide barrier.
In Shadehouses and Uncovered Polyhouses	After Barricade 65WG is applied, uncovered polyhouses must remain open for at least 7 days and ornamentals must receive 2 irrigations totaling at least 1/2 inch of water.
Ornamental Bulbs and Perennial Wildflower Plantings	Barricade 65WG may be applied to builbs or perennial wildflower species listed in the section, Tolerant Ornamental Species.
	Apply before or after bulbs emerge but before bulbs bloom and weeds emerge. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.

How Much and When to Apply/Ornamentals

Amount to Apply (Broadcast)*	When to Apply	Comments/Instructions
1.0-2.3 lbs./A or 0.37-0.83 oz./ 1,000 sq. ft.	In fall or spring before weeds germinate or after weeds are removed	 Use the higher rate for longer control. Barricade 65WG may be applied more than once per year as long as the total amount of product applied does not exceed 2.3 lbs./A per year.

*Note: For band application calculate amount per acre:

Band width in inches

X broadcast rate = amount to apply per acre of field

Row width in inches

Equivalent Measurements for Barricade 65WG

Lbs./A	oz./1,000 sq. ft.	Approximate Equivalent – Tablespoons/1,000 sq. ft.
1.0	0.37	1
1.5	0.55	1.5
2.0	0.74	2
2.3	0.83	2.25

Tank Mixtures For Use On Ornamentals

Barricade 65WG may be tank mixed with other registered herbicides listed on this label to provide a broader spectrum of weed control or to control emerged weeds. Tank mixes with Barricade 65WG are for use only in states where the tank mix partner(s), application site, and intended use pattern are registered.

Follow the label(s) of the tank mix partner(s) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before mixing pesticides in the spray tank, test compatibility by mixing the products in a small container first. See the **Compatibility Test** section of this label.

Tank Mix Partners for Barricade 65WG on Ornamentals

Product	Precautions/Instructions
Goal® (use on conifers only)	Mix with Barricade 65WG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep®, Pennant®	See product labels for weed spectrum and tolerant ornamentals.
Roundup® or other glyphosate-based products1, Finale®	These nonselective tank mix herbicides control most emerged annual broadleaves and grasses.
	2. Take extreme care to prevent tank mixtures with these products from contacting the foliage and stems of turfgrass, trees, shrubs, or other desirable vegetation because desirable vegetation may be severely injured or killed. Apply these tank mixtures as a directed spray and use a chiefd to prevent spray from contacting foliage of desirable plants.
	Following instructions on the tank mix partner's label, delay irrigation of the treated area to allow time for the herbicide to be absorbed by weed foliage.

¹Roundup is one brand of a nonselective herbicide containing glyphosate. Other glyphosate products may also be used.

Tolerant Ornamental Species

Barricade 65WG will not harm most trees, shrubs, vines, and flowers. The species listed below in Table 1 are tolerant to Barricade 65WG. Barricade 65WG is approved for application, except in CA, to the species in Table 2. Barricade 65WG may be applied over-the-top of the listed species.

When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to Barricade 65WG.

Table 1 - Tolerant Ornamental Species - All States

Scientific name	Common name	
Abies spp.**	Fir species**	
	(Balsam, Fraser, Noble, etc.)	
Acer palmatum	Japanese Maple	
Acer platanoides	Norway Maple	
Actinidia chinensis*	Kiwi*	
Agapanthus africanus	Lily-of-the-Nile (African Lily)	
Arctostaphylos densiflora	Vine Hill Manzanita	
Arctotheca calendula	Cape Weed	
Aucuba japonica	Japanese Aucuba	
Berberis gladwynensis	Barberry	
Berberis julianae	Wintergreen Barberry	
Berberis mentorensis	Mentor Barberry	
Berberis thunbergii	Japanese Barberry	
Berberis verruculosa	Warty Barberry	
Buxus microphylla	Japanese Boxwood	
Callistemon viminalis	Weeping Bottlebrush	
Calluna vulgaris	Scotch Heather	
Carpobrotus edulis	Hottentot Fig (Ice Plant)	
Cassia artemisoides	Feathery Cassia	
Ceanothus rigidus	Wild Lilac	
Chamaecyparis pisifera	False Cypress	
Cleyera japonica	Cleyera	
Citrus spp.*	Citrus species*	
Cornus florida	Flowering Dogwood	
Cornus stolonifera	American Dogwood	
Cortaderia selloana	Pampas Grass	
Cotoneaster apiculatus	Cranberry Cotoneaster	
Cotoneaster buxifolius	Cotoneaster	
Cotoneaster dammeri	Bearberry Cotoneaster	
Cotoneaster microphyllus	Rockspray Cotoneaster	
Crataegus spp.	Hawthorne	
Cupressus sempervirens	Italian Cypress	
Delosperma alba	White Trailing Ice Plant	
Dodonea viscosa	Hop Bush	
Elaeagnus pungens	Silverberry	
Euonymus fortunei	Wintercreeper	
Euonymus japonica	Japanese Spindle Tree (Evergreen Euonymus)	
Euonymus kiautschovica	Spreading Euonymus	•
Fatsia japonica	Japanese Aralia	
Forsythia intermedia	Border Forsythia	
Forsythia viridissima	Greenstem Forsythia	
Gardenia jasminoides	Gardenia, Cape-Jasmine	

^{*} Do not use on food producing trees, vines, or plants.

** ** * for the design and the service of the servi

Scientific name Common name Gladiolus spp.** Gladiolus species** Hedera helix English Ivy Hibiscus** Rose of Sharon** Hibiscus Rosa-sinensis** Chinese Hibiscus** llex cornuta** Chinese Holly** llex crenata Japanese Holly llex opaça American Holly Ilex pernyi Holly Ilex vomitoria Yaupon Holly Iris spp.** Iris species** Jasminium nudiflorum Winter Jasmine Juniperus chinensis Chinese Juniper Juniperus conferta Shore Juniper Juniperus horizontalis Creeping Juniper Wainut* Justicia brandegeana Shrimp Plant Lagerstromia indica Crape Myrtle Ligustrum amurense **Amur Privet** Ligustrum japonicum Japanese Privet Ligustrum lucidum Glossy Privet (Wax-Leaf) Liriope muscari Big Blue Lillyturf Lonicera japonica Japanese Honeysuckle Lonicera tatarica Tatarian Honeysuckle Magnolia spp.★ Magnolia species** Maleophora luteola Ice Plant Malus spp.* Crabapple* Nandina domestica Heavenly Bamboo Narcissus spp.** Narcissus species** Nerium spp. Oleander Olea europaea* Olive* Ophiopogon japonicus** Mondo Grass** Osteospermum fruticosum Trailing African Daisy Oxydendrum arboreum Sourwood Persea americana* Avocado* Photinia fraseri Frasier's Photinia (Redtip) Picea spp.* Spruce species** (Colorado Blue, Norway, etc.) Pieris japonica Lily-of-the-Valley Shrub Pinus brutia Calabrian Pine Canary Island Pine Slash Pine Pinus canariensis Pinus elliottii Pinus halepensis Aleppo Pine Pinus nigra Austrian Black Pine Pinus palustrus Longleaf Pine Pinus radiata Monterey Pine Eastern White Pine Pinus strobus Scotch Pine Pinus sylvestris Pinus taeda Loblolly Pine Pinus thunbergiana Japanese Black Pine Pinus virginiana Virginia Pine Pistacia spp.* Pistachio* Pittosporum rhombifolium Queensland Pittosporum Pittosporum tobira Japanese Pittosporum Podocarpus macrophyllus Japanese Yew Prunus laurocerasus English Laurei Prunus spp.* Almond, Apricot, Nectarine, Peach, Plum, and Prune* Douglas Fir** Pseudotsuga menziesii** Pyracantha coccinea Firethorn Scarlet Firethorn Firethorn Bradford Pear spp.

Pyracantha coccinea
Pyracantha fortuneana
Pyracantha koidzumii
Pyrus spp.
Quercus rubra
Raphiolepsis indica
Rhododendron
(including Azalea)

Rosa banksiae Rosmarinus officinalis* Rumohra adiantiformis Santolina virens Sedum album Syzygium paniculatum 'Roseum Elegans' Lady Bank's Rose Rosemary* Leatherleaf Fern

Oak species

'Formosa' 'Hino-crimson' 'PJM'

Indian Hawthorne 'Coral Bells'

Stonecrop

Japanese Boxcherry

* Do not use on food producing trees, vines, or plants.





Scientific name

Taxus cuspidata Taxus media Thuja occidentalis

Trachelospermum asiatum Tsuga canadensis

Tulipa spp. Viburnum japonicum Viburnum odoratissimum Viburnum plicatum Viburnum rigidum Viburnum tinus Viburnum trilobium Viburnum wrightii

Vinca major Vinca minor Vitis spp.*

Weigela florida Yucca aloifolia Yucca filamentosa

Common name

Japanese Yew

Yew

American Arborvitae Star Jasmine Canada Hemlock Tulip species Japanese Viburnum Sweet Viburnum Japanese Snowball Canary Island Viburnum

Laurustinus Cranberry Bush Leatherleaf Viburnum

Vinca

Dwarf Periwinkle

Grape*

Old Fashioned Weigela Spanish Bayonet Yucca, Adam's Needle

Table 2 - Tolerant Ornamental Species/Varieties - All States Except CA

Scientific name	
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Abelia grandiflora

Achillea spp. Agapanthus orientalis Akebia quintata Allium cernuum

Anemone hybrida Aquilegia spp. Artemisia spp. Aster spp. Aster X frikartii

Athyrium filix-femina Begonia spp. Bergenia cordifolia Boltonia asteroides Bougainvillea spp. Buddleia davidii Callistemon citrinus Campanula carpatica

Campis X tagliabuana Ceratostigma plumbaginoides Chrysanthemum nipponicum

Coreopsis spp. Crocosmia spp. Delosperma spp. Delphinium spp. Dianthus deltoides Dianthus gratianopolitanus

Echinacea purpurea Forsythia suspensa Gaillardia spp. Gaura spp.

Gentiana dahurica Geranium cinereum Gypsophila repens Helianthemum spp. Hemerocallis spp. Heucherella spo. Hibiscus spp. Hosta plantaginea Hosta sieboldiana

Houttuynia cordata var. variegata

Hydrangea macrophylla

Inula ensifolia Iris ensata Iris siberica Juniperus davurica Lagerstromia indica X fauriei Lantana montevidensis

Lavender spp. Leontopodium alpinum Liqustrum sinense

Common name

Abelia: Sherwood Yarrow: King Edward

Five-Leaf or Chocolate Vine Lady's Leek, Nodding Onion Japanese Anemone Aquilegia: Red and Gold Wormwood; Silver Mound, Castle Aster: Bonny Blue, Purple Dome

Lady Fern; Fern Lady

Fibrous Begonia: Hardy Grandis

Snowbank Bougainvillea

Butterfly-Bush (Dwarf Blue); Royal Red

Crimson Bottlebrush

Tussock Belfflower; (White Clips)

Trumpet Creeper, Trumpet Flower, Madame Galen

Coreopsis (Calliopsis): Early Sunrise, Moonbeam

Lucifer Cooperi Pink Larkspur; Blue Elf

Dianthus, Maiden Pinks 'Zing'

Cheddar Pink

Coneflower, Purple; Magnus

Weeping Forsythia

Gaillardia, Blanket Flower: 'Goblin'

Gentian Cranesbill Baby's Breath Sunrose

Daylily: Aztec Gold, Stella De Oro, Tender Love

Coral Bell; Bridget Bloom Mallow; Disco Belle White Hosta, Plantain Lily (Fragrant)

Hosta, 'Searsucker'

Bigleaf Hydrangea

Sword-Leaved Iris; Jodlesong Siberian Iris; Cabernet Parsoni Crape Myrtle; Tuscarora

Weeping Lantana Lavender; Munstead

Edelweiss Chinese Privet; Variegata

^{*} Do not use on food producing trees, vines, or plants.

Scientific name

Lilium spp. Liriope muscari var. variegata

Liriope spicata

Lobelia cardinalis Loropetalum chinense

Lythrum spp.

Miscanthus sinensis**
Oenothera missourensis
Osmanthus heterophyllus
Paeonia suffruticosa
Pennisetum setaceum**

Perovskia atriplicifolia Physostegia virginiana Quercus Shumardii Raphiolepsis umbellata

Rhododendron (including Azalea)

Rudbeckia spp.
Saxifraga spp.
Scabiosa spp.
Sedum cauticola
Sedum dasyphyllum
Sedum spurium
Spiraea burnalda
Syzygium paniculatum

Teucrium spp.

Thalictrum dipterocarpum

Veronica spp.

Viburnum suspensum

Common name

Lily; Jazz

Liriope, Variegated Liriope, Creeping

Cardinal Flower, Indian Pink

Burgundy

Loosestrife; Modern Pink Yaku Jima**, Silberfeder**

Evening Primrose

Osmanthus (False Holly): Gulf Tide

Tree Peony

Fountain Grass (Dwarf)**

Dragonhead, False; Vivid Oak, Shumard's Rod Yedda Hawthorne 'Delaware Valley White' 'Flame Creeper' 'Girard Crimson'

'George L. Tabor'
'Wakeiebisu'
'White Gumpo'

Black-Eyed Susan: Goldstrum Saxifrage; Purple Dome Pincushion Flower Stonecrop; Lidakense

Stonecrop

Stonecrop; Dragon's Blood Spirea: Anthony Waterer Australian Brushcherry

Germander Meadow Rue

Veronica, Speedwell; Sunny Border

Arrowood Viburnum

NEW PLANTINGS, REPLANTING, AND ROTATIONAL PLANTINGS

Nursery, landscape, or noncropland areas treated with Barricade 65WG should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

Before planting a species not listed on this label, it is recommended that several test strips of an indicator plant such as wheat, sorghum, or corn be sown into the treated area. If the indicator plants germinate and grow normally to a height of 12 inches with normal root development, it is safe to plant.

In areas disturbed by new plantings or replanting of labeled species, it may be necessary to retreat exposed soil to maintain satisfactory weed control.

STORAGE AND DISPOSAL

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

Storage

Store in original container away from fertilizer, feed, or food stuffs and separated from other pesticides.

Pesticide Disposal

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

Container Disposal

Paper bags and boxes: Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

Plastic jugs: Triple rinse (or equivalent) and dispose of container in a sanitary landfill or incinerate, or if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

^{**} Not for use on container grown plants.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact, while mixing or handling the concentrated material, may cause allergic reactions in some individuals.

If on skin: Wash with soap and water. Rinse thoroughly.

If inhaled: Remove victim to clear air.

If in eyes: Flush thoroughly with water for several minutes. Contact a physician if irritation persists.

Personal Protective Equipment

WPS USES:

Applicators and other handlers (other than mixers and loaders) who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural-plant uses are covered-must wear:

- · Long-sleeved shirt and long pants
- Waterproof gloves
- · Shoes plus socks

Mixers and Loaders must wear:

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

NON-WPS USES:

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

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.

Engineering Control Statements

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

- · Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- · Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean
- · After handling this product, immediately wash the outside of gloves before removing them, then remove gloves and all other PPE. Immediately wash thoroughly and change into clean clothing.

Environmental Hazards

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

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www.syngenta-us.com SCP 834A-M4A 0201

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HERBICIDE

For selective preemergence control of grass and broadleaf weeds in:

OF REACH
OF CHILDREN. and broadleaf weeds in:

- · established furfgracess (excluding gon course putting greens), lawns and sod nurseries
- container, field-grown, and landscape ornamentals
- established perennial and wildflower plantings
 Christmas tree farms
- plants grown for cut foliage production (Florida only)

Active Ingredient: Other Ingredients: 35.0%

Total: 100.0%

attached booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accor-dance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental label-ing under "Agricultural Use Requirements" in the Directions for Use section for infor-mation about this standard.

EPA Reg. No. 100-834 EPA Est. 62171-MS-001 flarricade® trademark of Syngenta ©2001 Syngenta Syngenta Crop Protection, Inc. Terf and Ornamental Products Greensboro, NC 27409 www.syngenta-ss.com SCP 834A-M4A 0201

3 POUNDS **NET CONTENTS**

KEEP OUT CAUTION

Precautionary

Statements Hazards to Humans and **Domestic Animals**

Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Prolonged or frequently repeated skin con-tact, while mixing or handling the concentrated material, may (CAS No. 29091-21-2)...65.0% cause allergic reactions in some individuals

First Aid

If on skin: Wash with soap and water. Rinse thoroughly.

If inhaled: Remove victim to clear air.

If in eyes: Flush thoroughly with water for several minutes. Contact a physician if irritation

Environmental Hazards

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Store in original container away from fertilizer, feed, or food stuffs and separated from other pesticides. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse container (or equivalent) and dispose of in a sanitary tandfill or incinerate, or if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this tabet and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes, in the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

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

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