

62719-516

12-17-2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Kimberly S Gilbert
Dow AgroSciences
9330 Zionsville Road
Indianapolis, IN 46268-1054

12-17-07

Dear Ms. Gilbert:

Subject: Revised Labeling
Showcase
EPA Registration No. 62719-516
Your Submission Dated June 20, 2007

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter please contact Mr. James Storie at 703-305-7391.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Kathryn V. Montague".

Kathryn V. Montague
Acting Product Manager (23)
Herbicide Branch
Registration Division (7505P)

Enclosure

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ACCEPTED

12-17-07

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

62719-516

[Sub Label A: Commercial Uses]

(Base label):

Showcase™**Specialty Herbicide**

A preemergence herbicide for control of certain broadleaf weeds and annual grasses in:

- Landscape Ornamentals
- Christmas Tree Plantations
- Container Grown Ornamentals
- Field Grown Ornamentals
- Groundcovers/Perennials
- Non-Bearing Fruit and Nut Trees
- Non-Bearing Vineyards
- Non-Cropland

For Commercial Use Only**Active Ingredients:**

trifluralin: α,α,α -trifluoro-2,6-dinitro- <i>N</i> , <i>N</i> -dipropyl- <i>p</i> -toluidine.....	2.00%
isoxaben: <i>N</i> -[3-(1-ethyl-1-methylpropyl)-5- isoxazoly]-2,6-dimethoxybenzamide and isomers	0.25%
oxyfluorfen: 2-chloro-1-(3-ethoxyl-4- nitrophenoxy)-4-(trifluoromethyl) benzene...	0.25%
Other Ingredients	97.50%
Total.....	100.00%

Contains 1.25 lb active ingredient per 50 lb bag.

U.S. Patents 4,636,243 and 5,086,184.

Keep Out of Reach of Children**CAUTION PRECAUTION**

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**

**Harmful If Absorbed Through Skin • Harmful If Inhaled • Causes Moderate Eye Irritation •
Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reaction In Some Individuals**

Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks plus shoes, and chemical-resistant gloves (such as barrier laminate and viton ≥ 14 mils in Category G). Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

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Some materials that are chemical-resistant to this product are barrier laminate and viton (≥ 14 mils). If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves
- Chemical-resistant apron for mixers and loaders

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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: 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 inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further 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 for emergency medical treatment information.

Environmental Hazards

This product is extremely toxic to freshwater marine, wildlife, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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.

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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. 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. 62719-516

EPA Est. _____

™Trademark of Dow AgroSciences LLC

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Net Weight __ lb

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(Label booklet cover):

Showcase™

Specialty Herbicide

A preemergence herbicide for control of certain broadleaf weeds and annual grasses in:

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- Christmas Tree Plantations
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Other Ingredients	97.50%
Total.....	100.00%

Contains 1.25 lb active ingredient per 50 lb bag.

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EPA Reg. No. 62719-516

EPA Est. _____

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Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Net Weight __ lb

(Page 1 through end):

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CAUTION

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Some materials that are chemical-resistant to this product are barrier laminate and viton (≥ 14 mils). If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

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Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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.

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Environmental Hazards

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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 of this label about personal protective equipment (PPE), and restricted entry interval. The requirements in the box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow workers to enter during the restricted entry interval (REI). The REI for each crop is listed in the directions for use associated with each crop.

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

- Coveralls
- Chemical-resistant gloves made of any waterproof material.
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements of 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.

For applications in landscape settings and in non-cropland sites, do not enter or allow others to enter the treated area until dusts have settled. If soil incorporation is required after the application, do not enter or allow others to enter the treated area (except those persons involved in the incorporation) until the incorporation is complete. If the incorporation is accomplished by watering-in, do not enter or allow others to enter the treated area until the surface is dry after the watering-in.

Storage and Disposal

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

Pesticide Storage: Store in original container only. In case of spill, contain material and dispose as waste.

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

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Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag 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

Showcase™ specialty herbicide is a preemergence product for control of certain broadleaf weeds and annual grasses in container and landscape ornamentals, nursery stock, Christmas trees, groundcovers/perennials, non-bearing fruit and nut trees, non-bearing vineyards and non-cropland areas. Apply Showcase anytime prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with rate of Showcase applied, weed population, potting media or soil conditions, temperature, watering regime, and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed.

Use Precautions and Restrictions

In Arizona: The state of Arizona has not approved Showcase for use on plants grown for agricultural/commercial production; such as on Christmas tree plantations, container grown or field grown ornamentals, and non-bearing fruit and nut trees and non-bearing vineyards.

Showcase controls weeds growing from seed. Showcase does not control established weeds, weeds growing from stolons, rhizomes, or root pieces. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. A single rainfall or sprinkler irrigation of 0.5 inches or more or flood irrigation is required to activate Showcase. Optimum weed control is obtained when Showcase is activated within 3 days of application. If rainfall or irrigation does not occur within 3 days of application and tillage is possible, Showcase may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1 to 2 inches of soil. Failure to activate Showcase within 3 days of application may result in erratic control of annual grasses. Do not apply when wind conditions favor drift of Showcase granules from the target area.

Repeat applications at 150 lb or 200 lb per acre should not be made sooner than 60 days after a previous application of Showcase. Do not apply over 600 lb per acre total of Showcase within a 12-month period.

Tolerance of Turfgrass Adjacent to Ornamental Plantings: Accidental application to turf may occur when applying Showcase to ornamental plantings. Showcase is not recommended for weed control in turfgrasses, but turfgrasses are generally tolerant to small amounts of this product that fall outside of the intended area of application.

Do not aerially apply Showcase.

Treatment of Species Not Listed on the Label for Showcase

Users who wish to use Showcase on plant species not recommended on this label may determine the suitability for use by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is safe to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Showcase on plant species not recommended on this label.

Application Instructions

Apply Showcase using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

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Application Techniques for Applying Showcase

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.
- The weight-to-volume conversion table below provides equivalent amounts of Showcase.

Broadcast Rates for Showcase

Rate	Amount/1000 sq ft		Amount/100 sq ft	
lb/Acre	lb	quarts	lb	cups
100	2.30	1.75	0.23	0.7
150	3.45	2.60	0.35	1.0
200	4.60	3.50	0.46	1.4

1 lb of Showcase = 0.75 quart = 3 cups

Spreader Settings as a Guide for Calibration

Note: These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by Dow AgroSciences or the spreader manufacturer.

	Settings for Spreader		
	Recommended Rate of Showcase		
Speed (mph)	100 lb/acre	150 lb/acre	200 lb/acre
2.0	2 1/2	3 1/4	3 3/4
2.5	3	3 1/2	4 1/4
3.0	3 1/4	4	5

Warren spreader settings are displayed in half-number increments only. The suggested settings that indicate quarter settings can be accomplished by placing the calibration arm between the half number marks on the spreader.

Weeds Controlled or Suppressed by Showcase

Weeds controlled when applied at 100 lb per acre (2.3 lb per 1000 sq ft):

Common Name	Scientific Name
aster, slender	<i>Aster exilis</i>
barnyardgrass	<i>Echinochloa crus-galli</i>
bluegrass, annual	<i>Poa annua</i>
bursage, annual	<i>Ambrosia acanthicarpa</i>
celery, wild	<i>Apium leptophyllum</i>
chickweed, common	<i>Stellaria media</i>
clover white	<i>Trifolium repens</i>
crabgrass	<i>Digitaria</i> spp.
cudweed, purple	<i>Gnaphalium purpureum</i>
cupgrass, southwestern	<i>Eriochloa gracilis</i>

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fiddleneck, coast	<i>Amsinckia intermedia</i>
filaree, redstem	<i>Erodium cicutarium</i>
fleabane, blackleaved	<i>Conyza bonariensis</i>
fleabane, dwarf	<i>Conyza ramosissima</i>
foxtail, yellow	<i>Setaria glauca</i>
groundcherry, lanceleaf	<i>Physalis lanceifolia</i>
henbit	<i>Lamium amplexicaule</i>
horseweed	<i>Conyza canadensis</i>
junglerice	<i>Echinochloa colonum</i>
knotweed, prostrate	<i>Polygonum aviculare</i>
lambsquarters, common	<i>Chenopodium album</i>
mallow, little	<i>Malva parviflora</i>
mustard, Indian	<i>Brassica juncea</i>
mustard, wild	<i>Sinapis arvensis</i>
nightshade, black	<i>Solanum nigrum</i>
oat, wild	<i>Avena fatua</i>
panicum, fall	<i>Panicum dichotomiflorum</i>
pepperweed, Virginia	<i>Lepidium virginicum</i>
pigweed	<i>Amaranthus spp.</i>
pineappleweed	<i>Matricaria matricarioides</i>
plantain, slender	<i>Plantago elongata</i>
purslane, common	<i>Portulaca oleracea</i>
radish, wild	<i>Raphanus raphanistrum</i>
ragweed, common	<i>Ambrosia artemisiifolia</i>
rocket, London	<i>Sisymbrium irio</i>
rockpurslane, desert	<i>Calandrinia ciliata</i>
shepherdspurse	<i>Capsella bursa-pastoris</i>
sibara	<i>Sibara virginica</i>
smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
sowthistle, annual	<i>Sonchus oleraceus</i>
speedwell, purslane	<i>Veronica peregrina</i>
sprangletop, Mexican	<i>Leptochloa univervia</i>
telegraphplant	<i>Heterotheca grandiflora</i>
thistle, Russian	<i>Salsola iberica</i>
witchgrass	<i>Panicum capillare</i>

Weeds controlled at 150 lb per acre (3.5 lb per 1000 sq ft):

Common Name	Scientific Name
aster, heath	<i>Aster ericoides</i>
bittercress	<i>Cardamine oligosperma</i>
bittercress, hairy	<i>Cardamine hirsuta</i>
brassbuttons, southern	<i>Cotula australis</i>
carrot, wild	<i>Daucus carota</i>
chamberbitter	<i>Phyllanthus urinaria</i>
chickweed, mouseear	<i>Cerastium vulgatum</i>
crabgrass	<i>Digitaria spp.</i>
dandelion	<i>Taraxacum officinale</i>
fireweed	<i>Erechtites hieracifolia</i>
foxtail, giant	<i>Setaria faberi</i>
galinsoga, hairy	<i>Galinsoga ciliata</i>
geranium, carolina	<i>Geranium carolinianum</i>
groundsel, common	<i>Senecio vulgaris</i>
ladysthumb	<i>Polygonum persicaria</i>
lettuce, prickly	<i>Lactuca serriola</i>
lovegrass	<i>Eragrostis spp.</i>

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mallow, common	<i>Malva neglecta</i>
mallow, dwarf	<i>Malva rotundifolia</i>
marestail	<i>Hippuris vulgaris</i>
mayweed	<i>Anthemis cotula</i>
morningglory, ivyleaf	<i>Ipomoea hederacea</i>
mustard, black	<i>Brassica nigra</i>
pennywort	<i>Hydrocotyle</i> spp.
phyllanthus, long-stalk	<i>Phyllanthus tenellus</i>
plantain, bracted	<i>Plantago aristata</i>
plantain, broadleaf	<i>Plantago major</i>
plantain, buckhorn	<i>Plantago lanceolata</i>
pokeweed, common	<i>Phytolacca americana</i>
rockpurslane, redmaids	<i>Calandrinia ciliata</i> var. <i>menziesii</i>
ryegrass, annual	<i>Lolium multiflorum</i>
sida, prickly	<i>Sida spinosa</i>
sorrell, red	<i>Rumex acetosella</i>
speedwell, thymeleaf	<i>Veronica serpyllifolia</i>
spurge, hyssop	<i>Euphorbia hyssopifolia</i>
spurge, spotted	<i>Euphorbia maculata</i>
sweetclover, yellow	<i>Melilotus officinalis</i>
tansymustard, green	<i>Descurainia pinnata</i>
velvetleaf	<i>Abutilon theophrasti</i>
woodsorrel, yellow	<i>Oxalis stricta</i>

Weeds controlled at 200 lb per acre (4.6 lb per 1000 sq ft):

Common Name	Scientific Name
barley, hare	<i>Hordeum leporinum</i>
bedstraw, catchweed	<i>Galium aparine</i>
bromegrass	<i>Bromus</i> spp.
buckwheat, wild	<i>Polygonum convolvulus</i>
burclover, California	<i>Medicago polymorpha</i>
carpetweed	<i>Mollugo verticillata</i>
cheat	<i>Bromus secalinus</i>
clover, red	<i>Trifolium pratense</i>
cocklebur, common	<i>Xanthium strumarium</i>
datura	<i>Datura</i> spp.
dayflower	<i>Commelina</i> spp.
dogfennel	<i>Eupatorium capillifolium</i>
eclipta	<i>Eclipta prostrata</i>
eveningprimrose	<i>Oenothera</i> spp.
fescue, rattail	<i>Vulpia myuros</i>
filaree, broadleaf	<i>Erodium botrys</i>
filaree, whitestem	<i>Erodium moschatum</i>
flixweed	<i>Descurainia sophia</i>
goosefoot, nettleleaf	<i>Chenopodium murale</i>
goosegrass	<i>Eleusine indica</i>
groundcherry, cutleaf	<i>Physalis angulata</i>
groundcherry, wright ²	<i>Physalis wrightii</i>
jimsonweed	<i>Datura stramonium</i>
knotweed, silversheath	<i>Polygonum argyrocoleon</i>
kochia	<i>Kochia scoparia</i>
medic, black	<i>Medicago lupulina</i>
miners lettuce	<i>Claytonia perfoliata</i>
mulberry weed	<i>Fatoua villosa</i>
mullein, turkey	<i>Eremocarpus setigerus</i>

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mustard, blue	<i>Chorispora tenella</i>
mustard, tumble	<i>Sisymbrium altissimum</i>
nettle, burning	<i>Urtica urens</i>
nettle, stinging	<i>Urtica dioica</i>
nightshade, hairy	<i>Solanum sarrachoides</i>
orach, red	<i>Atriplex rosea</i>
ox tongue, bristly	<i>Picris echioides</i>
pepperweed, yellowflower	<i>Lepidium perfoliatum</i>
pimpernel, scarlet	<i>Anagallis arvensis</i>
redmaids	
sandbur, field	<i>Cenchrus incertus</i>
sandspurry, red	<i>Spergularia rubra</i>
signalgrass	<i>Brachiaria</i> spp.
sowthistle, spiny	<i>Sonchus asper</i>
speedwell, birdseye	<i>Veronica persica</i>
spurge, petty	<i>Euphorbia peplus</i>
spurge, prostrate	<i>Euphorbia humistrata</i>
spurry, corn	<i>Spergula arvensis</i>
stinkgrass	<i>Eragrostis cilianensis</i>
sunflower	<i>Helianthus</i> spp.
swinecress	<i>Coronopus didymus</i>
thickhead	<i>Crassocephalum crepidioides</i>
thistle, bull	<i>Cirsium vulgare</i>
thistle, musk	<i>Carduus nutans</i>
willoweed, panicle	<i>Epilobium paniculatum</i>
woodsorrel, creeping	<i>Oxalis corniculata</i>

Weeds partially controlled or suppressed at 200 lb per acre (4.6 lb per 1000 sq ft):

Common Name	Scientific Name
bindweed, field	<i>Convolvulus arvensis</i>
dock, curly	<i>Rumex crispus</i>
johnsongrass (seedling)	<i>Sorghum halepense</i>
mallow, Venice	<i>Hibiscus trionum</i>
milkweed, honeyvine	<i>Ampelamus albidus</i>
morningglory, tall	<i>Ipomoea purpurea</i>
panicum, Texas	<i>Panicum texanum</i>
pusley, Florida	<i>Richardia scabra</i>
shattercane	<i>Sorghum bicolor</i>

Uses

Ornamental Plantings

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours (6 days for Christmas trees) unless PPE required for early entry is worn.

Showcase™ specialty herbicide is recommended as a preemergence application for control of certain broadleaf weeds and annual grasses in container grown ornamentals, landscape ornamentals, field grown ornamentals, groundcovers/perennials, Christmas trees, and non-bearing fruit and nut crops, and non-bearing vineyards. Apply Showcase anytime prior to germination of target weeds or immediately after cultivation.

Refer to the General Information section of this label for Use Precautions and information on application, application rates and weeds controlled.

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Special Use Precautions

To avoid possible injury, do not apply Showcase to:

- plants with leaves in a whorled arrangement, such as daylily, which can funnel particles to the crown of the plant.
- plants with wet leaf surfaces from rain, irrigation or dew. If particles are retained on leaf surfaces, they should be completely removed by irrigation as soon as possible or injury will result.
- nursery, forest, or Christmas tree: seedling beds, cutting beds, or transplant beds.
- nursery seedbeds or forest or Christmas tree seedling transplant beds.
- unrooted liners or cuttings that have been planted in pots for the first time.
- pots less than 4 inches wide.
- bedding plants or areas where bedding plants will be planted or transplanted within 1 year following application.
- groundcovers until they are established and well rooted.

Do not apply Showcase to newly transplanted ornamentals, nursery stock, Christmas trees, groundcovers, or non-bearing fruit and nut trees and non-bearing vineyards until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Repeat applications at 150 lb or 200 lb per acre should not be made sooner than 60 days after a previous application of Showcase. Do not apply over 600 lb per acre total of Showcase within a 12-month period.

Where loss of stand has occurred in field grown ornamentals, use untreated soil as fill around roots when replacing plants or injury may occur.

Note: Injury on the following plant species has been observed following applications of Showcase and use is not recommended.

Acanthus mollis (oak leaf acanthus)
Achillea millefolium 'Paprika' (paprika mallow)
Agapanthus africanus (lily of the Nile)
Ajuga spp. (bugleweed or ajuga)
Arctotheca calendula (African capeweed)
Arenaria montana (mountain sandwort)
Astilbe chinensis 'Pumila' (Chinese pumila)
Brassica spp. (mustard)
Coreopsis auriculata (dwarf coreopsis)
Dicentra luxuriant (luxuriant bleeding heart)
Digitalis purpurea (foxglove)
Echinacea purpurea (purple coneflower)
Erica spp. (heath species)
Euonymus alatus 'compacta' (dwarf burning bush)
Euphorbia spp. (spurge)
Geranium cinereum 'Ballerina' (ballerina cranesbill)
Gypsophila paniculata (white festival baby's breath)
Hemerocallis spp. (daylily)
Heucheria micrantha (coral bells)
Hydrangea spp. (hydrangea)
Iberis spp. (candytuft)
Impatiens spp.
Juniperus horizontalis 'Prince of Wales' (prince of wales juniper)
Lavandula or *Limonium* spp. (lavender)
Leucothoe axillaris (coast leucothoe)
Liriope spp. (lily turf)
Lithodora diffusa 'Grace Ward'
Melaleuca quinquenervia (cajeput tree)

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Petunia spp.
Phlox paniculata (summer phlox)
Podocarpus macrophyllus (yew podocarpus)
Pulmonaria longifolia (bertram anderson lingwort)
Rhododendron carolinianum (carolina rhododendron)
Rhododendron catawbiense 'Roseum elegans' (Roseum elegans rhododendron)
Sedum spp. (stonecrop)
Syagrus romanzoffianum (queen palm)
Vinca minor 'Atropurpurea' (wine periwinkle)
Washingtonia robusta (Mexican fan palm)
Yucca recurvifolia (green yucca)

When applied as directed under the conditions described on this label, ornamental plant species 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. It is strongly recommended that a limited number of plants under your growing conditions be treated for tolerance evaluation prior to initiating large scale applications. Follow the directions given above to determine plant tolerance under your growing conditions prior to large scale use.

Showcase may be used on the following established plant species (Note: Limitations on recommended treatment methods):

Trees

Recommended Treatment Method:

C = Container Grown

F = Field Grown Nursery

Scientific Name

Common Name

<i>Abies balsameana</i>	balsam fir, dwarf	C, F
<i>Acer ginnala</i>	amur maple	F
<i>Acer rubrum</i>	red maple	F
<i>Acer saccharinum</i>	silver maple	C, F
<i>Betula nigra</i>	river birch	C, F
<i>Betula papyrifera</i>	paper birch	F
<i>Cercis canadensis</i>	redbud	C, F
<i>Chamaecyparis obtusa</i>	filicoides-fernspray cypress	F
<i>Chamaecyparis obtusa</i>	gracilis-slender hinoki cypress	F
<i>Chamaecyparis pisifera</i>	sawara-false cypress	F
<i>Chamaedorea cataractarum</i>	palm	F
<i>Chamaedorea costaricana</i>	palm	C, F
<i>Chamaedorea elegans</i>	parlor palm	C, F
<i>Cornus florida</i>	dogwood, flowering	C, F
<i>Cupressocyparis leylandii</i>	leland cypress, 'emerald isle'	C, F
<i>Cupressus arizonica</i>	Arizona cypress	
<i>Cupressus glabra</i>	Arizona cypress	F
<i>Cupressus sempervirens</i>	Italian cypress	C, F
<i>Ficus benjamina</i>	fig	C, F
<i>Juniperus virginiana</i>	redcedar, eastern	C, F
<i>Magnolia grandiflora</i>	magnolia, southern	C, F
<i>Picea abies</i>	spruce, Norway	C, F
<i>Picea glauca</i>	white spruce	C, F
<i>Picea glauca</i> 'Conica'	dwarf alberta spruce	F
<i>Picea pungens</i> 'Glaucia'	Colorado blue spruce	C, F
<i>Pinus aristata</i>	bristlecone pine	F
<i>Pinus canariensis</i>	canary island pine	F
<i>Pinus contorta</i>	shore pine, beach pine	F
<i>Pinus mugo</i> 'pumilio'	pumilio mugo pine	C, F

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<i>Pinus radiata</i>	Monterey pine	F
<i>Pinus strobus</i>	eastern white pine	C, F
<i>Pinus strobus</i>	white pine	C, F
<i>Pinus sylvestris</i>	Scotch pine	C, F
<i>Pinus thunbergiana</i>	Japanese black pine	C, F
<i>Podocarpus</i> spp.	podocarpus	F
<i>Prunus yedoensis</i>	yoshino flowering cherry	F
<i>Quercus ilicifolia</i>	bear oak	F
<i>Quercus palustris</i>	pin oak	F
<i>Quercus phellos</i>	willow oak	C, F
<i>Quercus rubra</i>	red oak	C, F
<i>Quercus virginiana</i>	live oak	C, F
<i>Tsuga canadensis</i>	eastern hemlock	C, F

Shrubs**Recommended Treatment Method****C = Container Grown****F = Field Grown Nursery****Scientific Name****Common Name**

<i>Abelia grandiflora</i>	glossy abelia	C, F
<i>Acacia abyssinica</i>	abyssinica acacia	C, F
<i>Acacia redolens</i>	prostrate acacia	C, F
<i>Acacia stenophylla</i>	shoestring acacia	C, F
<i>Acer ginnala</i>	amur maple	C, F
<i>Acer palmatum</i>	dwarf Japanese maple	C, F
<i>Berberis mentorensis</i>	mentor barberry	C, F
<i>Bougainvillea</i> spp.	barbara karst	C, F
<i>Buxus</i> x 'Green velvet'	green velvet boxwood	C, F
<i>Buxus microphylla</i> var. <i>japonica</i>	Japanese littleleaf boxwood	C, F
<i>Buxus microphylla</i> var. <i>Koreana</i>	Korean littleleaf boxwood	F
<i>Buxus sempervirens</i>	common boxwood	C, F
<i>Callistemon citrinus</i>	lemon bottlebrush	F
<i>Callistemon viminalis</i>	weeping bottlebrush	C, F
<i>Camellia japonica</i>	camellia	C, F
<i>Chamaecyparis obtusa</i>	kosteri cypress	C, F
<i>Chamaecyparis pisifera</i>	baileyi-dogwood	F
<i>Chamaecyparis pisifera</i> spp.	filifera-thread cypress	C, F
<i>Cornus alba</i>	sibirica-siberian dogwood	C, F
<i>Cornus stolonifera</i>	baileyi-red-osier dogwood	F
<i>Cotinus coggygia</i>	royal purple smoke tree	C, F
<i>Cotoneaster adpressus</i>	praecox-early cotoneaster	C, F
<i>Cotoneaster apiculatus</i>	cotoneaster, cranberry	C, F
<i>Cotoneaster congestus</i>	cotoneaster, Pyrenees	C, F
<i>Cotoneaster dammeri</i>	cotoneaster, bearberry	C, F
<i>Cotoneaster himalayan</i>	Himalayan cotoneaster	C, F
<i>Cotoneaster horizontalis</i>	cotoneaster, rock	C, F
<i>Cotoneaster opiculata</i>	cotoneaster	C, F
<i>Cytisus praecox</i>	hollandia-warminster broom	C, F
<i>Cytisus scoparius</i>	lena-Scotch broom	C, F
<i>Cytisus spachianus</i>	sweet broom	C, F
<i>Cytisus</i> spp.	hollandia-Scotch broom	F
<i>Elaeagnus pungens</i>	fruitland silver berry	C, F
<i>Eleagnus</i> x <i>ebbingi</i> 'Gilt Edge'	gilt edge elaeagnus	C, F
<i>Eucalyptus cinerea</i>	silver dollar gum (eucalyptus)	C, F
<i>Euonymus</i> x 'Aureo variegatus'	gold spot euonymus	C, F
<i>Euonymus</i> x 'Chollipo'	chollipo euonymus	C, F

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<i>Euonymus fortunei</i>	canadale gold euonymus	C, F
<i>Euonymus japonica</i>	variegated evergreen euonymus	F
<i>Euonymus kiatschovica</i>	spreading euonymus	C, F
<i>Euonymus vegetus</i>	bigleaf wintercreeper	C, F
<i>Euryops pectinatus</i> 'Viridis'	green leaved euryops	C, F
<i>Forsythia x intermedia</i>	forsythia, border	C, F
<i>Forsythia x</i> 'Spring glory'	spring glory forsythia	C, F
<i>Gardenia jasminoides</i>	august beauty gardenia	C, F
<i>Gelsemium sempervirens</i>	carolina jessamine	C, F
<i>Hibiscus rosa-sinensis</i>	ross estey-hibiscus	C, F
<i>Hibiscus syriacus</i>	rose of sharon 'diana'	C, F
<i>Ilex aquifolium</i>	Balkans holly	F
<i>Ilex x aquipernyi</i> 'San Jose'	San Jose holly	C, F
<i>Ilex x attenuate</i> 'Savannah'	savannah holly	C, F
<i>Ilex cornuta</i> 'Burfordii'	burford holly	C, F
<i>Ilex crenata</i> 'Compacta'	dwarf Japanese holly	C, F
<i>Ilex glabra</i> 'Compacta'	compact inkberry holly	C, F
<i>Ilex x meserveae</i> 'Blue Boy'	blue boy holly	C, F
<i>Ilex vomitoria</i>	yaupon holly	C, F
<i>Juniperus chinensis</i>	hollywood juniper	C, F
<i>Juniperus conferta</i>	emerald sea shore juniper	C, F
<i>Juniperus horizontalis</i>	blue rug juniper	C, F
<i>Juniperus procumbens</i>	nana-dwarf Japanese garden juniper	C, F
<i>Juniperus prostrata</i>	prostrata juniper	C, F
<i>Juniperus sabina</i>	broadmoor juniper	C, F
<i>Juniperus scopulorum</i>	emerald green juniper	F
<i>Juniperus squamata</i>	blue juniper	C, F
<i>Lantana sellowiana</i>	lantana	C, F
<i>Leptospermum scoparium</i> 'Nanus Ruru'	dwarf New Zealand tea tree	C, F
<i>Leucothoe fontanesiana</i> 'Rollinsonii'	rollison drooping leucothoe	C, F
<i>Ligustrum japonicum</i>	privet, Japanese	C, F
<i>Ligustrum lucidum</i>	privet, glossy	C, F
<i>Ligustrum ovalifolium</i>	privet, California	F
<i>Ligustrum texanum</i>	privet, wax leaf	C, F
<i>Ligustrum vicaryi</i>	privet, golden	F
<i>Ligustrum vulgare</i> 'Lodense'	privet, lodense common	C, F
<i>Lonicera fragrantissima</i>	winter honeysuckle	C, F
<i>Lonicera periclymenum</i>	flowering woodbine	C, F
<i>Lonicera sempervirens</i>	trumpet honeysuckle	C, F
<i>Mahonia aquifolium</i> 'Compacta'	dwarf Oregon grape	C, F
<i>Mahonia bealei</i>	leather leaf mahonia	C, F
<i>Mahonia repens</i>	creeping mahonia	C, F
<i>Nerium oleander</i>	oleander	C, F
<i>Photinia x fraseri</i>	fraser's photinia	C, F
<i>Pinus mugo</i> var. <i>mugo</i>	mugo pine	C, F
<i>Pittosporum tobira</i>	green pittosporum	C, F
<i>Plumbago auriculata</i> 'Monott'	royal cape plumbago	C, F
<i>Prosopis chilensis</i>	Chilean mesquite	C, F
<i>Potentilla fragiformis</i>	cinquefoil	F
<i>Potentilla fruticosa</i>	cinquefoil	C, F
<i>Potentilla verna</i>	spring cinquefoil	C, F
<i>Pyracantha fortuneana</i>	lolendei monrovia pyracantha	C, F
<i>Rhaphiolepis indica</i>	rhaphiolepis (India hawthorn)	C, F
<i>Rhaphiolepis ovata</i>	roundleaf rhaphiolepis	C, F
<i>Rhododendron calendulaceum</i>	cannon's double azalea	C, F
<i>Rhododendron campylocarpum</i>	butterfly rhododendron	F

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<i>Rhododendron carolinianum x dauricum</i>	PJM rhododendron	C, F
<i>Rhododendron catawbiense</i>	catawba rhododendron	C, F
<i>Rhododendron caucasicum x ponticum</i>	cunningham white rhododendron	C, F
<i>Rhododendron exbury</i>	klondike azalea	C, F
<i>Rhododendron forrestii repens</i>	gomer waterer rhododendron	C, F
<i>Rhododendron forrestii x griersonianum</i>	elizabeth rhododendron	C, F
<i>Rhododendron griffithianum</i>	jean marie rhododendron	C, F
<i>Rhododendron hybrid spp.</i>	America rhododendron	C, F
<i>Rhododendron impeditum</i>	rhododendron	C, F
<i>Rhododendron indica</i>	formosa azalea	C, F
<i>Rhododendron indica</i>	waucabusa azalea	C, F
<i>Rhododendron kaempferi</i>	blue danube azalea	C, F
<i>Rhododendron kerume</i>	coral bells azalea	C, F
<i>Rhododendron maximum</i>	rhodie max (rosebay)	C, F
<i>Rhododendron mucronulatum</i>	rhododendron	F
<i>Rhododendron ponticum</i>	chionoides rhododendron	C, F
<i>Rhododendron ponticum</i>	daphnoides rhododendron	C, F
<i>Rhododendron x 'purple gem'</i>	purple gem rhododendron	C, F
<i>Rhododendron racemosum</i>	dwarf scarlet wonder rhododendron	C, F
<i>Rhododendron sassthigiatim x carolinianum</i>	ramapo rhododendron	C, F
<i>Rhododendron satsumi</i>	gumpo pink azalea	C, F
<i>Rhus lancea</i>	African sumac	C, F
<i>Rosa x 'Radrazz'</i>	knock out shrub rose	C, F
<i>Rosmarinus officinalis</i>	rosemary	C, F
<i>Skimmia japonica</i>	Japanese skimmia	C, F
<i>Spiraea x bumalda 'Anthony Waterer'</i>	anthony waterer spiraea	C, F
<i>Spiraea x cinerea 'Grefsheim'</i>	first snow spiraea	F
<i>Spiraea japonica</i>	Japanese alpine spiraea	C, F
<i>Spiraea x vanhouttei</i>	vanhoutte spiraea	C, F
<i>Syringa rothomagensis</i>	Chinese lilac	C, F
<i>Syringa vulgaris</i>	lilac, common	F
<i>Taxus cuspidata</i>	yew, Japanese	F
<i>Ternstroemia gymnanthera</i>	ternstroemia, Japanese	C, F
<i>Thuja occidentalis</i>	emerald arborvitae	C, F
<i>Thuja occidentalis</i>	woodwardii arborvitae	C, F
<i>Thuja orientalis</i>	aureus nana-dwarf golden arborvitae	C, F
<i>Viburnum bodnantense</i>	pink dawn viburnum	C, F
<i>Viburnum carlesii</i>	Koreanspice viburnum	C, F
<i>Viburnum davidii</i>	david viburnum	C, F
<i>Viburnum japonicum</i>	Japanese viburnum	F
<i>Viburnum x juddii</i>	judd viburnum	C, F
<i>Viburnum lantana</i>	wayfaring tree	F
<i>Viburnum opulus sterile</i>	common snowball viburnum	F
<i>Viburnum plicatum var. tomentosum</i>	doublefile viburnum	C, F
<i>Viburnum setigerum</i>	tea viburnum	F
<i>Viburnum trilobum</i>	cranberry bush	C, F
<i>Viburnum trilobum 'Compactum'</i>	dwarf cranberry bush	C, F
<i>Viburnum x pragense</i>	Prague viburnum	C, F
<i>Xylosma congestum</i>	xylosma	F

Groundcovers/Perennials**Recommended Treatment Method:****C = Container Grown****F = Field Grown Nursery****Scientific Name****Common Name**

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<i>Carpobrotus edulis</i>	ice plant, highway	C, F
<i>Catharanthus roseus</i>	Madagascar periwinkle	C, F
<i>Cortaderia selloana</i>	pampas grass	C, F
<i>Dietes iridioides</i>	African iris	C, F
<i>Dros anthemum floribundum</i>	ice plant, rosea	C, F
<i>Gazania rigens leucolaena</i>	trailing gazania	C, F
<i>Hedera helix</i>	ivy, English	C, F
<i>Hypericum</i> spp.	St. Johnswort	C, F
<i>Jasminum nitidum</i>	angelwing jasmine	C, F
<i>Lonicera japonica</i>	honeysuckle, Japanese	F
<i>Monarda didyma</i>	bee balm	C, F
<i>Pachysandra terminalis</i>	pachysandra, Japanese 'green sheen'	C, F
<i>Pennisetum setaceum 'Rubrum'</i>	purple fountain grass	C, F
<i>Verbena peruviana</i>	St. Paul verbena	C, F
<i>Vinca major</i>	periwinkle, bigleaf	C, F

Non-Bearing Fruit and Nut Trees and Non-Bearing Vineyards¹ (Dormant Application)

**Recommended
Treatment Method:**
C = Container Grown
F = Field Grown Nursery

Common Name

apricot	F
blueberry	F
cherry, sour	F
cherry, sweet	F
nectarine	F
peach	F
plum	F
prune	F

¹Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants which will not bear fruit for at least one year after treatment.

Ornamental Bulbs

Do not use Showcase™ specialty herbicide in bulb production fields. For use in landscape settings only.

Showcase may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply Showcase to the soil surface 2 to 4 weeks after planting but prior to the emergence of annual weeds. Showcase may also be applied following bulb emergence but prior to flowering and after flowering. For fall planted bulbs, apply Showcase again in late winter or early spring to weed-free soil surfaces.

Special Use Precautions:

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch.
Do not apply to gladiolus prior to emergence or if corms are less than 1 inch in diameter.
Do not apply to bulbs while they are flowering.

Shadehouse Areas

Showcase may be applied in open shadehouse-type structures where the natural flow of air is unimpeded.

Special Use Precautions:

Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures.

Do not apply within 3 weeks prior to enclosing greenhouse or poly-type structures.

Non-Cropland

Showcase is recommended as a preemergence application for control of certain broadleaf weeds and annual grasses on non-cropland areas such as industrial sites, utility substations, highway guardrails, sign posts, and delineators. Apply Showcase anytime prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with postemergence herbicides.

Refer to the General Information section of this label for Use, Precautions and information on application, application rates, and weeds controlled.

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 Limitation of Remedies.

Warranty Disclaimer

Dow AgroSciences 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. Dow AgroSciences 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 Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

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 Dow AgroSciences' election, one of the following:

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

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

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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EPA accepted 09/13/05

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[Sub Label B: Residential Uses]

(Base label):

Showcase™**Specialty Herbicide**

A preemergence herbicide for control of certain broadleaf weeds and annual grasses in:

- Landscape Ornamentals
- Container Grown Ornamentals
- Groundcovers/Perennials
- Non-Bearing Fruit and Nut Trees
- Non-Bearing Vineyards

For Residential Use Only

and/or

Prevents [both] grasses and broadleaf weeds [with one application] [before they get started]

and/or

Prevents weeds [up to six months]

and/or

Season long weed preventer

and/or

One application prevents weeds [all season]

and/or

Works season long

and/or

Provides up to 6 months of weed control

and/or

Stops weeds before they start

and/or

Offers plant tolerance

and/or

Won't wash away

and/or

Weed and feed with one application

and/or

Controls tough grasses and weeds [such as crabgrass, oxalis, woodsorrel, spurge, bittercrest]

and/or

Apply anytime [spring, summer, fall]

and/or

Use for a [beautiful] weed free landscape

and/or

Easy to use

and/or

Eliminate [time consuming] hand weeding**Active Ingredients:**

trifluralin: α, α, α -trifluoro-2,6-dinitro-*N*,
N-dipropyl-*p*-toluidine..... 2.00%
 isoxaben: *N*-[3-(1-ethyl-1-methylpropyl)-5-
 isoxazolyl]-2,6-dimethoxybenzamide

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and isomers	0.25%
oxyfluorfen: 2-chloro-1-(3-ethoxyl-4-nitrophenoxy)-4-(trifluoromethyl) benzene...	0.25%
Other Ingredients	97.50%
Total	100.00%

Contains 1.25 lb active ingredient per 50 lb bag.

U.S. Patents 4,636,243 and 5,086,184.

[Editor's note: Supplemental distributor will add fertilizer analysis and derivation statement for fertilizer carrier used.]

Guaranteed Fertilizer Analysis

Total Nitrogen (N)	X.X%
X.X% Nitrate Nitrogen	
X.X% Water Soluble Nitrogen	
X.X% Water Insoluble Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	X.X%
Soluble Potash (K ₂ O)	X.X%

Keep Out of Reach of Children

CAUTION PRECAUCION

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

Harmful If Absorbed Through Skin • Harmful If Inhaled • Causes Moderate Eye Irritation • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reaction In Some Individuals

Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks plus shoes, and chemical-resistant gloves (such as barrier laminate and viton ≥14 mils). Remove and wash contaminated clothing before reuse.

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: 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 inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further 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 for emergency medical treatment information.

Environmental Hazards

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

Refer to label booklet for 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. 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. 62719-516

EPA Est. _____

™Trademark of Dow AgroSciences LLC

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Net Weight __ lb

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(Label booklet cover):

Showcase™**Specialty Herbicide**

A preemergence herbicide for control of certain broadleaf weeds and annual grasses in:

- Landscape Ornamentals
- Container Grown Ornamentals
- Groundcovers/Perennials
- Non-Bearing Fruit and Nut Trees
- Non-Bearing Vineyards

For Residential Use Only

and/or

Prevents [both] grasses and broadleaf weeds [with one application] [before they get started]

and/or

Prevents weeds [up to six months]

and/or

Season long weed preventer

and/or

One application prevents weeds [all season]

and/or

Works season long

and/or

Provides up to 6 months of weed control

and/or

Stops weeds before they start

and/or

Offers plant tolerance

and/or

Won't wash away

and/or

Weed and feed with one application

and/or

Controls tough grasses and weeds [such as crabgrass, oxalis, woodsorrel, spurge, bittercrest]

and/or

Apply anytime [spring, summer, fall]

and/or

Use for a [beautiful] weed free landscape

and/or

Easy to use

and/or

Eliminate [time consuming] hand weeding**Active Ingredients:**

trifluralin: α, α, α -trifluoro-2,6-dinitro-*N*,
N-dipropyl-*p*-toluidine..... 2.00%
 isoxaben: *N*-[3-(1-ethyl-1-methylpropyl)-5-
 isoxazolyl]-2,6-dimethoxybenzamide
 and isomers 0.25%
 oxyfluorfen: 2-chloro-1-(3-ethoxyl-4-
 nitrophenoxyl)-4-(trifluoromethyl) benzene... 0.25%

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Other Ingredients 97.50%
Total 100.00%

Contains 1.25 lb active ingredient per 50 lb bag.

U.S. Patents 4,636,243 and 5,086,184.

[Editor's note: Supplemental distributor will add fertilizer analysis and derivation statement for fertilizer carrier used.]

Guaranteed Fertilizer Analysis

Total Nitrogen (N)	X.X%
X.X% Nitrate Nitrogen	
X.X% Water Soluble Nitrogen	
X.X% Water Insoluble Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	X.X%
Soluble Potash (K ₂ O)	X.X%

Keep Out of Reach of Children

CAUTION PRECAUTION

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EPA Reg. No. 62719-516

EPA Est. _____

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Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Net Weight __ lb

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals**CAUTION**

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Environmental Hazards

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

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.

Not for use on plants grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on lawns and grounds.

Storage and Disposal

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

Pesticide Storage: Store in original container only. In case of spill, contain material and dispose as waste.

Pesticide Disposal: If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-992-5994 for disposal instructions. Never place unused product down any indoor or outdoor drain.

General Information

Showcase™ specialty herbicide, a preemergence product, is for use by homeowners for control of certain broadleaf weeds and annual grasses in container and landscape ornamentals, groundcovers/perennials, and non-bearing fruit and nut trees, and non-bearing vineyards. Apply Showcase anytime prior to germination of target weeds, or immediately after preparing the soil. Length of weed control will vary with rate of Showcase applied, weed population, potting media or soil conditions, temperature, watering regime, and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed.

Use Precautions and Restrictions

In Arizona: The state of Arizona has not approved Showcase for use on container grown ornamentals, and non-bearing fruit and nut trees and non-bearing vineyards.

Application Restrictions: Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

Entry Restrictions: Do not allow people or pets to enter the treated area until dusts have settled. If watering in is required after the application, do not enter or allow others to enter the treated areas (except those involved in the watering) until the watering in is complete and the surface is dry.

Showcase controls weeds growing from seed. Showcase does not control established weeds, weeds growing from stolons, rhizomes, or root pieces. Existing weeds should be controlled by digging them up or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. A single rainfall or sprinkler irrigation of 0.5 inches or more or flood irrigation is required to activate Showcase. Optimum weed control is obtained when Showcase is activated within 3 days of application. If rainfall or irrigation does not occur within 3 days of application, activate Showcase by uniformly mixing the herbicide into the upper 1 to 2 inches of soil. Failure to activate Showcase within 3 days of application may result in erratic control of annual grasses. Do not apply when wind conditions favor drift of Showcase granules from the target area.

Repeat applications at 3.5 lb or 4.6 lb per 1000 sq ft should not be made sooner than 60 days after a previous application of Showcase. Do not apply over 14 lb per 1000 sq ft total of Showcase within a 12-month period.

Tolerance of Turfgrass Adjacent to Ornamental Plantings: Accidental application to turf may occur when applying Showcase to ornamental plantings. Showcase is not recommended for weed control in turfgrasses, but turfgrasses are generally tolerant to small amounts of this product that fall outside of the intended area of application.

Treatment Species Not Listed on the Label for Showcase

Users who wish to use Showcase on plant species not recommended on this label may determine the suitability for use by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is safe to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Showcase on plant species not recommended on this label.

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Application Instructions

Apply Showcase using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or plant injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

Application Techniques for Applying Showcase

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of ornamental beds, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.
- The weight-to-volume conversion table below provides equivalent amounts of Showcase.

Broadcast Rates for Showcase

Amount/1000 sq ft		Amount/100 sq ft	
lb	quarts	lb	cups
2.30	1.75	0.23	0.7
3.45	2.60	0.35	1.0
4.60	3.50	0.46	1.4

1 lb of Showcase = 0.75 quart = 3 cups

Spreader Settings as a Guide for Calibration

Note: These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by Dow AgroSciences or the spreader manufacturer.

Speed (mph)	Settings for Spreader		
	Recommended Rate of Showcase		
	2.30 lb/1000 sq ft	3.5 lb/1000 sq ft	4.60 lb/1000 sq ft
2.0	XX	XX	XX
2.5	XX	XX	XX
3.0	XX	XX	XX

Warren spreader settings are displayed in half-number increments only. The suggested settings that indicate quarter settings can be accomplished by placing the calibration arm between the half number marks on the spreader.

Weeds Controlled or Suppressed by Showcase

Weeds controlled when applied at 2.3 lb per 1000 sq ft:

aster, slender
barnyardgrass
bursage, annual

horseweed
junglerice
knotweed, prostrate

purslane, common
radish, wild
ragweed, common

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celery, wild
chickweed, common
clover white
cudweed, purple
cupgrass, southwestern
fiddleneck, coast
filaree, redstem
fleabane, blackleaved
fleabane, dwarf
foxtail, yellow
groundcherry, lanceleaf
henbit

lambsquarters, common
mallow, little
mustard, Indian
mustard, wild
nightshade, black
oat, wild
panicum, fall
pepperweed, Virginia
pigweed
pineappleweed
plantain, slender

rocket, London
rockpurslane, desert
shepherdspurse
sibara
smartweed, Pennsylvania
sowthistle, annual
speedwell, purslane
sprangletop, Mexican
telegraphplant
thistle, Russian
witchgrass

Weeds controlled at 3.5 lb per 1000 sq ft:

annual bluegrass
aster, heath
bittercress
bittercress, hairy
brassbuttons, southern
carrot, wild
chamberbitter
chickweed, mouseear
crabgrass
dandelion
fireweed
foxtail, giant
galinsoga, hairy

geranium, carolina
groundsel, common
ladysthumb
lettuce, prickly
lovegrass
mallow, common
mallow, dwarf
maretail
mayweed
morningglory, ivyleaf
mustard, black
pennywort
phyllanthus, long-stalk

plantain, bracted
plantain, broadleaf
plantain, buckhorn
pokeweed, common
rockpurslane, redmaids
ryegrass, annual
sida, prickly
sorrell, red
speedwell, thymeleaf
sweetclover, yellow
tansymustard, green
velvetleaf
woodsorrel, yellow

Weeds controlled at 4.6 lb per 1000 sq ft:

barley, hare
bedstraw, catchweed
bromegrass
buckwheat, wild
burclover, California
carpetweed
cheat
clover, red
cocklebur, common
datura
dayflower
dogfennel
eclipta
eveningprimrose
fescue, rattail
filaree, broadleaf
filaree, whitestem
flixweed
goosefoot, nettleleaf

goosegrass
groundcherry, cutleaf
groundcherry, wright
jimsonweed
knotweed, silversheath
kochia
medic, black
miners lettuce
mulberry weed
mullein, turkey
mustard, blue
mustard, tumble
nettle, burning
nettle, stinging
nightshade, hairy
orach, red
oxalis
ox tongue, bristly
pepperweed, yellowflower

pimpernel, scarlet
redmaids
sandbur, field
sandspurry, red
signalgrass
sowthistle, spiny
speedwell, birdseye
spurge, petty
spurge, prostrate
spurry, corn
stinkgrass
sunflower
swinecress
thickhead
thistle, bull
thistle, musk
willowweed, panicle
woodsorrel, creeping

Weeds partially controlled or suppressed at 4.6 lb per 1000 sq ft:

bindweed, field
dock, curly
johnsongrass (seedling)

mallow, Venice
milkweed, honeyvine
morningglory, tall

panicum, Texas
pusley, Florida
shattercane

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Uses

Ornamental Plantings

Showcase™ specialty herbicide is recommended as a preemergence application for control of certain broadleaf weeds and annual grasses in container grown ornamentals, landscape ornamentals, groundcovers/perennials, and non-bearing fruit and nut crops, and non-bearing vineyards. Apply Showcase anytime prior to germination of target weeds or immediately after preparing the soil.

Refer to the General Information section of this label for Use Precautions and information on application, application rates and weeds controlled.

Special Use Precautions

To avoid possible injury, do not apply Showcase to:

- plants with leaves in a whorled arrangement, such as daylily, which can funnel particles to the crown of the plant.
- plants with wet leaf surfaces from rain, irrigation or dew. If particles are retained on leaf surfaces, they should be completely removed by irrigation as soon as possible or injury will result.
- unrooted liners or cuttings that have been planted in pots for the first time.
- pots less than 4 inches wide.
- bedding plants or areas where bedding plants will be planted or transplanted within 1 year following application.
- groundcovers until they are established and well rooted.
- turf or lawn areas adjacent to treated areas.

Do not apply Showcase to newly transplanted ornamentals, groundcovers, or non-bearing fruit and nut trees and non-bearing vineyards until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Repeat applications at 3.5 lb or 4.6 lb per 1000 sq ft should not be made sooner than 60 days after a previous application of Showcase. Do not apply over 14 lb per 1000 sq ft total of Showcase within a 12-month period.

Note: Injury on the following plant species has been observed following applications of Showcase and use is not recommended.

African capeweed
ballerina cranesbill
bertram anderson lingwort
cajuput tree
candytuft
carolina rhododendron
Chinese pumila
coast leucothoe
daylily
dwarf burning bush
dwarf coreopsis
foxglove
grace ward lithodora

green yucca
heath
hydrangea
impatiens spp.
lavender
lily of the Nile
lily turf (*Liriope* spp.)
luxuriant bleeding heart
Mexican fan palm
mountain sandwort
mustard
oak leaf acanthus

paprika mallow
petunia spp.
prince of wales juniper
purple coneflower
queen palm
roseum elegans rhododendron
spurge
stonecrop
summer phlox
white festival baby's breath
wine periwinkle
yew podocarpus

When applied as directed under the conditions described on this label, ornamental plant species 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. It is strongly recommended that a limited number of plants under your growing conditions be treated for tolerance evaluation prior to initiating large scale

applications. Follow the directions given above to determine plant tolerance under your growing conditions prior to large scale use.

Showcase may be used on the following established plant species:

Trees

balsam fir, dwarf
cloud nine dogwood
Colorado blue spruce
columnar Scotch pine
dogwood, flowering
dwarf globe blue spruce
eastern hemlock
eastern white pine
emerald island leyland cypress
figus
hoopsii-hoop's blue spruce
Italian cypress
Japanese black pine
leland cypress, 'emerald isle'
live oak
magnolia, southern

mini ficus
palm
parlor palm
pendula-weeping Norway spruce
pumilio mugo pine
redbud
redcedar, eastern
red oak
repens-spreading Norway spruce
river birch
scotch pine
silver maple
spruce, Norway
white pine
white spruce
willow oak

Shrubs

abyssinica acacia
African sumac
America rhododendron
amur maple
andorra juniper
anthony waterer spiraea
august beauty gardenia
aureus nana-dwarf golden arborvitae
bar harbor juniper
bigleaf wintercreeper
blue boy holly
blue chip juniper
blue danube azalea
blue girl holly
blue juniper
blue rug juniper
blue star juniper
bougainvillea
broadmoor juniper
burford holly
camellia
canadale gold euonymus
cannon's double azalea
carolina jessamine
carror azalea
catawba album rhododendron
catawba rhododendron
charisma-Monruce raphiolepis
Chilean mesquite
Chinese lilac

klondike azalea
knock out shrub rose
Koreanspice viburnum
kosteri cypress
lantana
leather leaf mahonia
Lena-scotch broom
little giant-dwarf arborvitae
lolendei monrovia pyracantha
lord roberts rhododendron
media-old gold juniper
mentor barberry
mildred azalea
minima glauca-dwarf arborvitae
mugo pine
nana-dwarf Hinoki cypress
nana-dwarf Japanese garden juniper
nana-dwarf yaupon holly
needle point holly
nigra-dark American arborvitae
nordica-inkberry holly
nova zembla rhododendron
oleander
parsonii juniper
pendula-weeping yaupon holly
pfitzer juniper
pfitzerana glauca-blue juniper
pfitzerana-pfitzer juniper
pink dawn viburnum
PJM rhododendron

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chioniodes rhododendron
chollipo eunonymus
cinquefoil
common boxwood
compact inkberry holly
convexa holly
coral bark Japanese maple
coral bells azalea
cotoneaster
cotoneaster, bearberry
cotoneaster, cranberry
cotoneaster, Pyrenees
cotoneaster, rock
cranberry bush
creeping juniper
creeping mahonia
cuninham white rhododendron
daphnoides rhododendron
david viburnum
dolchia spiraea
doublefile viburnum
dusty-miller/silver ragweed
dwarf andorra juniper
dwarf burford holly
dwarf Chinese holly
dwarf cranberry bush
dwarf Japanese holly
dwarf Japanese maple
dwarf New Zealand tea tree
dwarf Oregon grape
dwarf pink flowering almond
dwarf scarlet wonder rhododendron
edward goucher abelia
elizabeth rhododendron
emerald arborvitae
emerald sea shore juniper
fashion azalea
filifera-thread cypress
flowering woodbine
foemina-hicks juniper
formosa azalea
forsythia, border
fraser's photinia
fruitland silver berry
gilt edge elaeagnus
girard roberta azalea
globosa-globe arborvitae
glossy abelia
gold spot euonymus
golden flare azalea
gomer waterer rhododendron
green leaved euryops
green luster holly
green pittosporum
green velvet boxwood
gumpo pink azalea

plumosa-andorra juniper
praecox-early cotoneaster
Prague viburnum
president clay azalea
privet, glossy
privet, Japanese
privet, lodense common
privet, wax leaf
prostrata juniper
prostrate acacia
purple gem rhododendron
pyramidalis arborvitae
ramapo rhododendron
red ace potentilla
reijn azalea
raphiolepis (India hawthorn)
rheingold arborvitae
rhodie max (rosebay)
rhododendron
rocket rhododendron
rollison drooping leucothoe
rosemary
rose of sharon 'diana'
ross estey-hibiscus
roundleaf raphiolepis
royal cape plumbago
royal purple smoke tree
ruby lace oleander
rutgers hybrid pyracantha
san jose holly
santa cruz pyracantha
savannah holly
savin juniper
scintillation rhododendron
serotina woodbine
shirobana spiraea
shoestring acacia
shore juniper
sibirica-siberian dogwood
silver dollar gum (eucalyptus)
spreading euonymus
spring cinquefoil
spring glory forsythia
squarrosa minima cypress
stokesii Japanese holly
sunset potentilla
sunspot euonymus
sweet broom
tamariscifolia-tam juniper
tangerine potentilla
ternstroemia, Japanese
torulosa cypress
torulosa-hollywood juniper
tradition azalea
tribly rhododendron
trumpet honeysuckle

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hardy red oleander
 hetzii's Japanese holly
 Himalayan cotoneaster
 hino pink azalea
 hollandia-warminster broom
 hollywood juniper
 hot shot azalea
 howardi privet
 huntington blue juniper
 irene koster azalea
 Japanese alpine spiraea
 Japanese littleleaf boxwood
 Japanese skimmia
 jean marie rhododendron
 judd viburnum

unique rhododendron
 vanhoutte spiraea
 variegated evergreen euonymus
 vulcan rhododendron
 waucabusa azalea
 wax ligustrum
 weeping bottlebrush
 wheeler's dwarf pittosporum
 william penn barberry
 wiltonii-blue carpet juniper
 winter honeysuckle
 woodwardii arborvitae
 yaupon holly
 yellow tip ligustrum
 yewpine

Groundcovers/Perennials

African iris
 angelwing jasmine
 Asian jasmine
 bee balm
 ice plant, highway
 ice plant, rosea
 ivy, English

Madagascar periwinkle
 pachysandra, Japanese 'green sheen'
 pampas grass
 purple fountain grass
 St. Johnswort
 St. Paul verbena
 trailing gazania

Non-Bearing Fruit and Nut Trees and Non-Bearing Vineyards¹ (Dormant Application)

apricot	nectarine
blueberry	peach
cherry, sour	plum
cherry, sweet	prune

¹Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants which will not bear fruit for at least one year after treatment.

Ornamental Bulbs

For use in landscape settings only.

Showcase™ specialty herbicide may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply Showcase to the soil surface 2 to 4 weeks after planting but prior to the emergence of annual weeds. Showcase may also be applied following bulb emergence but prior to flowering and after flowering. For fall planted bulbs, apply Showcase again in late winter or early spring to weed-free soil surfaces.

Special Use Precautions:

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch.
 Do not apply to gladiolus prior to emergence or if corms are less than 1 inch in diameter.
 Do not apply to bulbs while they are flowering.

Shadehouse Areas

Showcase may be applied in open shadehouse-type structures where the natural flow of air is unimpeded.

Special Use Precautions:

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Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures.
Do not apply within 3 weeks prior to enclosing greenhouse or poly-type structures.

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 Limitation of Remedies.

Warranty Disclaimer

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