

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 7, 2024

Meshea J. Brodie Senior Regulatory Manager UPL NA Inc. 630 Freedom Business Center Suite 402 King of Prussia, PA 19406

Subject: Label Amendment - Registration Review Mitigation for Oxadiazon

Product Name: STARFIGHTER 2G EPA Registration Number: 70506-279

Application Date: 06/23/2022 Decision Number: 585439

Dear Meshea J. Brodie:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Oxadiazon Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable. As part of the registration review, EPA identified the need for this product to be classified as Restricted Use. The labeling approved today incorporates the necessary changes for classification as Restricted Use, therefore the classification is effective on the date of this letter.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved

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registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. Due to the classification of this product as Restricted Use, in accordance with 40 CFR 152.167, after 120 days, any of this product you sell or distribute must:

- 1) Bear an approved amended label containing the terms of the Restricted Use classification;
- 2) Bear a sticker containing the product name, EPA registration number, and any terms of restricted use; **or**
- 3) Be accompanied by supplemental labeling bearing the product name, EPA registration numbers, and any terms of restricted use.

After 270 days, any of this product you sell or distribute must bear the approved amended labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Kelsi Grogan by phone at (202)566-2228, or via email at grogan.kelsi@epa.gov.

Sincerely,

Kevin Costello, Branch Chief Risk Management and Implementation Branch 2 Pesticide Re-Evaluation Division Office of Pesticide Programs

ENCLOSURE: Stamped label

Restricted Use Pesticide

Due to potential human health risks of concern (cancer) from chronic dietary or dermal exposure when used in accordance with label directions.

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

OXADIAZON GROUP 14 HERBICIDE

Starfighter 2G [Alternate Brand Name: Phoenix Starfighter 2G]

PREEMERGENT HERBICIDE FOR THE CONTROL OF ANNUAL GRASSES AND BROADLEAF WEEDS IN TURFGRASS, NURSERIES AND ORNAMENTALS INCLUDING LANDSCAPE ORNAMENTAL BEDS ON RESIDENTIAL PROPERTIES BY A PROFESSIONAL APPLICATOR

WARNING - AVISO

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

	FIRST AID		
IF IN EYES	 Hold eyes 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. 		
IF ON SKIN OR	Take off contaminated clothing.		
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 SWALLOWED	 Call a poison control center or doctor immediately for treatment advice. Have affected person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. 		
HOT LINE NUMBER			

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact The Rocky Mountain Poison and Drug Safety at 1-866-673-6671 for emergency medical treatment information.

ACCEPTED

May 07, 2024

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 70506-279

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

UPL NA Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 · 1-800-438-6071 Net Contents:___ lbs. EPA Reg. No. 70506-279 EPA Est. No.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes or on clothing. Avoid breathing dust. Avoid contact with skin. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt and long pants, socks, shoes, and waterproof gloves.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- waterproof gloves and
- Goggles, face shield or safety glasses.

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 STATEMENTS:

When handlers use closed systems, enclosed cabs, or aircraft 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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.

ENVIRONMENTAL HAZARDS

For terrestrial uses: 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 washwater or rinsate.

Runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This pesticide is toxic to oysters and shrimp.

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having high potential for reaching surface water via runoff for several months or more after application.

A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of oxadiazon from runoff water and sediment.

Do not use in areas where endangered Hawaiian Goose or nene (*Branta sandvicensis*), Hawaiian duck (*Anas wyvilliana*), Hawaiian Stilt (*Himantopus mexicanus knudseni*), and Hawaiian Moorhen (*Galtinula chloropus sandvicensis*) may feed.

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect forage and habitat of non-target organisms by following label directions intended to minimize drift.

DIRECTIONS FOR USE Restricted Use Pesticide

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

Read entire label before using this product.

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. Not for use on home lawns.

After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

- coveralls
- waterproof gloves
- shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not allow people or pets to enter treated areas until dust has settled.

Weed Resistance Management

For resistance management, STARFIGHTER 2G is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to STARFIGHTER 2G and other Group 14 herbicides. Weed species with acquired resistance to Group 14 may eventually dominate the weed population if Group 14 herbicides are used repeatedly in the same area. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of STARFIGHTER 2G or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds. Whenever possible incorporate multiple weed control practices such as mechanical cultivation, biological management practices, and crop rotation.
- Use tank mixtures with herbicides from a different group if such use is permitted; where
 information on resistance in target weed species is available, use the less resistanceprone partner at a rate that will control the target weed(s) equally as well as the more
 resistance-prone partner. Consult your local extension service or pest control advisor if
 you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use, and that considers mechanical control methods, cultural (e.g. timing to favor the desirable plants and not the weeds), biological (weed-competitive varieties) and other management practices.

- Fields should be scouted before application to identify the weed species present and their growth stage to determine if the intended application will be effective. Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action (MOA), if available. Treat weed escapes with an herbicide with a different MOA or use non-chemical methods to remove escapes. To the extent possible do not allow weed escapes to produce seeds, roots, or tubers.
- Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective mechanisms of action for each target weed. Contact UPL NA at 1-800-438-6071.

PRODUCT INFORMATION

Starfighter 2G controls many annual grasses and broadleaf weeds by killing the weed seedlings on contact during weed germination. Starfighter 2G's preemergent herbicide activity provides weed control in established perennial turf grasses and in a broad range of woody ornamental shrubs, vines, and trees.

Uniform application of Starfighter 2G is essential for effective weed control. Following the manufacturer's directions, calibrate the applicator prior to use, and check frequently during Starfighter 2G application to be certain that the granules are being uniformly distributed.

After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

USE RESTRICTIONS

For all uses:

- The minimum retreatment interval (RTI) between applications is 60 days.
- Total applications of oxadiazon of all physical forms must not exceed 300 lbs. Starfighter 2G (6 lbs. a.i./A) per year if this product is used on the same site with liquid formulations.

For use on turf:

DO NOT apply more than 300 lbs. Starfighter 2G per acre year (6 lbs. a.i./A/year).

- DO NOT apply more than 150 lbs. Starfighter 2G per acre (3 lbs. a.i./A) in a single application.
- For applications on non-agricultural turf (e.g., golf courses, parks, athletic fields) that follow a liquid application, Starfighter 2G must be applied 60 days or later after the liquid application. After applying this product, no liquid applications of oxadiazon are allowed within the same calendar year on the same area of turf.
- For applications to non-agricultural turf (e.g. golf courses, parks, athletic fields), this product may not be applied prior to any liquid applications of oxadiazon within the same calendar year on the same area of turf.
- On golf course turf only: in areas of heavy weed infestation only, the maximum single application rate is 200 lbs Starfighter 2G (4 lbs. a.i./A), and the maximum annual application rate is 400 lbs Starfighter 2G (8 lbs. a.i./A). No liquid applications may be made on areas of turf treated at this maximum application rate in the same year.
- On golf course turf only: total applications of oxadiazon of all physical forms are limited to 30% of the total managed turf area of a golf course per year. Applications may be made to any turf surface type, including fairways, tees, greens, roughs, non-playable turf surfaces, or other managed turf areas. This 30% limit may be applied to the same or different turf areas from year to year.
- On golf course turf: a minimum 10-foot-wide untreated vegetative buffer must be maintained between the treated area and any surface water features.
- DO NOT make more than 3 applications of Starfighter 2G to a treated area per year.
- DO NOT use Starfighter 2G on residential turfgrass.
- DO NOT graze livestock in treated areas.
- DO NOT apply Starfighter 2G to Bentgrass turf mowed to 3/8 inch or less.
- DO NOT apply Starfighter 2G to newly seeded areas.
- DO NOT apply to Dichondra or Centipede grass.
- DO NOT apply to putting greens or tees as the cultural practices used may be incompatible with Starfighter 2G use.
- DO NOT allow Starfighter 2G to contact flowers or shrubs except as directed in the label text below.
- DO NOT seed into areas treated with Starfighter 2G within 4 months of the last application except as directed in the label text below.
- After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

For ornamental landscaping, trees, shrubs, and nurseries:

• A maximum single application rate of 150 lbs. Starfighter 2G (3.0 lbs. a.i./A) and a maximum annual application rate of 300 lbs. Starfighter 2G (6 lbs. a.i.A).

TURF

For use in established perennial turf in non-residential settings such as golf course fairways, lawns, and parks. Provides effective annual weed control in established Bentgrass, Bermuda grass, Bluegrass, Buffalo grass, Perennial Ryegrass, St. Augustine grass, Seashore Paspalum*, Tall Fescue, and Zoysia turf.

APPLICATION INSTRUCTIONS

Starfighter 2G granules must come in contact with the soil surface; the active ingredient must be subsequently watered in for the product to work at optimal efficacy. Mowing and raking may be necessary to allow the granules the required access to soil. Two applications of ½ rate each made orthogonal to each other is an effective way of achieving uniform Starfighter 2G distribution. After application, user must thoroughly irrigate the site as soon as possible on the same day of application. Do not apply Starfighter 2G to wet turf.

	AMOUNT OF STARFIGHTER 2G		
	317.11.1	PER 1000	
WEEDS CONTROLLED,	PER ACRE	SQ. FT.	Application
Crabgrass (<i>Digitaria</i> spp.) Goosegrass (<i>Eleusine</i> indica) Field Sandbur* (<i>Cenchus</i> incertus) Annual Sedge* (<i>Cyperus</i> compressus)	100 - 150 lbs.	2 1/4- 4 lbs. When heavy weed pressure is anticipated, use the higher rate	Make application in late winter or early spring before to weed seed germination begins. Application made after weed germination has begun will not be optimal. Do not exceed the annual maximum (6 lbs a.i./A/yr for normal weed infestation or 8 lbs a.i./A/yr on golf course turf only, where weed infestation is heavy) or individual maximum application rates (4 lbs a.i./A).
			Allow 4 months between initial application and retreatment. Make no more than 3 applications per year
Annual Bluegrass* (<i>Poa Annua</i> spp.) (See note below)	100-150 lbs.	2 ¼ – 4 lbs. When heavy weed pressure is anticipated, use the higher rate	Make application in late summer or early fall prior to <i>Poa</i> seed germination. Starfighter 2G is ineffective against emerged <i>Poa</i> seedlings.
Virginia Buttonweed (Diodia virginiana) Pigweed (Amaranthus spp.) Florida Pusley (Richardia scabra) Oxalis (Oxalis spp.) Stinging Nettle (Urtica dioica) Carpetgrass (Axonapus offinis)	150 lbs.	4 lbs.	Make application in early spring before weed seed germination

^{*}Not for use in California in the absence of specific supplemental labeling

FALL APPLICATION FOR SPRING WEED CONTROL IN COOL SEASON TURF*

WEEDS CONTROLLED	AMOUNT OF STARFIGHTER 2G		WHEN TO APPLY
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	WHEN TO APPLY
Crabgrass, Goosegrass, and other annual weeds	150 lbs.	3 3/8 – 4 lbs. When heavy weed pressure is anticipated, use the higher rate	Make application to Tall Fescue, Perennial Rygrass, Bluegrass, and Bentgrass in the fall after the turf has entered dormancy. Delay overseeding turf treated in late fall until 4 months after spring greenup.

^{*}Not for use in California in the absence of specific supplemental labeling.

ANNUAL BLUEGRASS CONTROL IN BERMUDAGRASS FAIRWAYS OVERSEEDED WITH PERENNIAL RYEGRASS

WEEDS CONTROLLED	AMOUNT OF STARFIGHTER 2G		WHEN TO APPLY
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	WHEN TO APPLY
Annual Bluegrass (<i>Poa annua</i> spp.) See note below.	100 lbs.	2 1/4 lbs.	Make application in late summer or early fall prior to <i>Poa</i> seed germination. Starfighter 2G is ineffective against emerged <i>Poa</i> seedlings. Delay overseeding of fairways until 60 days post application. Do not use if Poa trivialis is an intentional component of the overseeding mixture.

Note: Starfighter 2G controls only those plants it contacts during seed germination such as *Poa annua* spp. *annua*. It will not control established *Poa annua* spp *reptans*. This *Poa* biotype exhibits perennial tendencies and will survive over summer; plants already present at the time of treatment are not susceptible to Starfighter 2G. Consult your local extension agent or university weed scientist for assistance in the identification of Poa biotypes that are present in your turf.

ANNUAL WEED CONTROL DURING SPRIGGING of BERMUDAGRASS, ZOYSIAGRASS, SEASHORE PASPALUM, AND TROPIC LALO (*Paspalum hieronymii*) *

STARE	FIGHTER 2G	WHEN TO ADDIV	
PER 1000		WHEN TO APPLY	
PER ACRE	SQ. FT.		
100-150 lbs.	2 1/4 - 3 3/8 lbs. When heavy weed pressure is anticipated, use the higher rate	Make application to Bermuda grass immediately prior to or immediately after sprigging. To avoid untoward injury delay application 10-14 days post sprigging of Seashore Paspalum. Applications to Tropic Lalo must be made within 12 days post sprigging. Irrigation or rainfall immediately after application will give optimal results. Leave soil surface undisturbed post application to maximize the effectiveness of the herbicide barrier. Observe single and annual treatment limitations. Allow 4 months between the initial and subsequent treatments	
-	PER ACRE	PER 1000 SQ. FT. .00-150 lbs. 2 1/4 - 3 3/8 lbs. When heavy weed pressure is anticipated, use	

^{*}Not for use in California in the absence of specific supplemental labeling

WOODY ORNAMENTAL SHRUBS, VINES, TREES, AND CONIFER NURSERY* APPLICATION

Starfighter 2G provides annual grass and broadleaf weed control when applied before weed seed germination begins. It can be applied to established and newly transplanted ornamentals in any season. Starfighter 2G establishes an effective herbicide barrier upon watering into the soil. Subsequent disturbance of the soil will disrupt this barrier and reduce the product's effectiveness. Care should be taken is application to avoid accumulation of the product on the foliage of desirable plants.

For residential properties, do not allow unprotected persons or pets to enter the treated areas until the Starfighter 2G is watered-in. Do not apply to ornamentals in residential properties.

RESTRICTION: Do not apply in greenhouses as volatilization of Starfighter 2G's active ingredient onto leaf surfaces may result in plant injury.

AMOUNT TO USE

Ground Application – To ensure an accurate and effective application of Starfighter 2G, calculate the area of each bed to be treated, remove any existing weed growth, and then broadcast Starfighter 2G into the ornamental beds at 100 to 150 pounds of product per acre (or 2 1/4 to 4 pounds per 1,000 square feet). See notes listed at the end of the weed listings below for species specific rate adjustments and use restrictions.

ANNUAL DROADLEAGY	WEEDS	ANNUAL CRACCEC	
ANNUAL BROADLEAF V		ANNUAL GRASSES	(5)
Bittercress	(Cardamine spp.)	Annual Bluegrass	(Poa annua)
*Bristly Oxtongue	(Picris echioides)	*Annual Sedge	(Cyperus compressus)
Carpetweed	(Mollugo verticillata)	*Barnyardgrass	(Echinochloa crus-
* Cheeseweed	(Malva parviflora)		galli)
Common Groundsel	(Senecio vulgaaris)	*Bristly Foxtail	(Setaria verticillata)
Common Purslane	(Portulaca olreacea)	Crabgrass	(Digitaria spp.)
*Evening Primrose	(Oenothera spp.)	Fall Panicum	(Panicum
*Fiddleneck	(Amsinckia		dichotomiflorum)
	intermedia)	Green Foxtail	(Seetaria viridis)
*Fireweed	(Epilobium	Goosegrass	(Eleusine indica)
	angustifolium)	**Jungle Ricegrass	(Echinochloa
*Galinsoga	(Galinsoga spp.)		colonurn)
*Garden Spurge	(Euphorhia hirta)	**Panama Paspalum	(Paspalurn
Golden Ragwort	(Senecio aureus)		fimbriaatum)
Lambsquarters	(Chenopodium album)	*Ripgut Bromegrass	(Bromus catharticus)
**Liverwort	(Marchantia spp.)	*Wild Oats	(Avena fatua)
*Niruri	(Phyllanthus niruri)		
Pennsylvania	(Polygonum		
Smartweed	pensylvanicum)		
Petty Spurge	(Euphorbia peplus)		
**Prostrate Spurge	(Euphorbia supina)		
Redroot Pigweed	(Amaranthus		
	retroflexus)		
*Shepherdspurse	(Capsella bursa-		
	pastoris)		
*Sensitive Plant	(Mimosa predica)		
Sow Thistle	(Sonchus oleraceus)		
Speedwell	(Veronica spp.)		
*Spiny Amaranth	(Amaranthus		
	spinosus)		
Spotted Catsear	(Hypochaeris		
	radicata)		
*Swinecress	(Coronopus didymus)		
Yellow Woodsorrel	(Oxalis stricta)		

^{*}Not for use in California in the absence of specific supplemental labeling

^{**} Requires application rate of 150 (3.0 pounds of active ingredient) per acre for control when heavy weed pressure is anticipated. Make no more than 3 applications per year. Apply no more than 3.0 pounds of active ingredient per acre in a single treatment.

After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

How to Calibrate Spreaders for Applications of Starfighter 2G

Spreader Models	Ground Speed (mph)	Rate Starfighter 2G (lbs/acre) Swath Width		Feet
		100	150	
Cyclone B3-	3	Spreade	er Settings	8
Pro		2.75	3.25	
Lely HR*		Spreade	er Settings	21
	3	3.25	3.75	
	4	3.5	4.25	
	5	3.75	4.5	
Lesco Rotary	3	Spreader Settings		7
		С	D	
Scotts Pro	3	Spreader Settings		9
R8A		Н	l +	
Spyker 24-22	3	Spreade	er Settings	8
		3.5	4.0	
Vicon		Spreade	r Settings	22
	3	13	15	
	4	15	18	
	5	16	21	

^{*}Settings based on use of small feed ring with central spreader setting.

NOTE: These settings are for initial calibration only. It is recommended that equipment be calibrated prior to application using the settings listed here as the initial starting point.

TOLERANT SPECIES OF ORNAMENTALS AND GROUND COVERS

Starfighter 2G may be applied to established ornamentals and ground covers in containers, landscape plantings, and nurseries. The following ornamental varieties can be treated with Starfighter 2G.

ESTABLISHED ORNAMENTALS AND GROUND COVERS

SCIENTIFIC NAME Abutilon pictum	COMMON NAME Cypress	SCIENTIFIC NAME Cupressus spp.
Acacia spp.	Cypress, Leyland	Cupressocyparis
Agapanthus		leylandii
africanus	Dahlia†	Dahlia spp.
Allamanda	Daphne, Fragrant	Daphne odora
cathartica	Deutzia, Slender	Deutzia gracilis
Epilobium fleisheri	Dieffenbachiat	Dieffenbachia spp.
Pieris spp.	Dogwood, Common	Comus florida
	Dogwood, Redosier	
Fallugia paradoxa Aralia spinosa	Dogwood, Kousa	Cornus stolonifera Cornus kousa
	Abutilon pictum Acacia spp. Agapanthus africanus Allamanda cathartica Epilobium fleisheri Pieris spp. Fallugia paradoxa	Abutilon pictum Acacia spp. Agapanthus africanus Allamanda Cathartica Epilobium fleisheri Pieris spp. Dahlia† Daphne, Fragrant Deutzia, Slender Dieffenbachiat Dogwood, Common Dogwood, Redosier Fallugia paradoxa Dogwood, Kousa

ESTABLISHED ORNAMENTALS AND GROUND COVERS

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Arborvitae	Thuja spp.	Douglas fir	Pseudotsuga
Ash, Green	Fraxinus		menziesii
	pennsylvanica	Elm	Ulmus spp.
Azalea	Rhododendron spp.	Escallonia	Escallonia spp.
Baby's Breath†	Gypsophila	Eucalyptus	Eucalyptus spp.
,	paniculata	Euryops, Gray	Euryops pectinatus
Bald Cypress†	Takodium distichum	Leaved	zaryopo peetirratas
Bamboo, Feathery	Bambusa vulgaris	Leavea	
•	_	Гиолимия	Fuerous
Banyan, Weeping	Ficus benghalensia	Euonymus,	Euonymus
Barberry	Berberis spp.	Spreading'	kiautshovicus
Beefsteak plant,	Acalypha wilkesiana	Euonymus,	Euonymus fortunei
Bearbery	Arctostaphylos uva-	Wintercreeper	
	ursi	Falsecypress,	Chaemaecyparis
Beech, European	Fagus sylvatica	Hinoki	obtusa
Birch, Paper	Betula papyrifera	Falsecypress,	Chaemaecyparis
Blanket Flower†	Gaillardia aristata	Japanese	pisifera
Blazing Star†	Liatris spicata	Flowering Quince	Chaenomeles
Boxwood, Japanese	Buxus microphylla	0 1	speciosa
Boxwood, Common	Buxus sempervirens	Forsythia	Forsythia intermedia
Bouganvillea	Bounganvillea	Fountain Grass	Pennisetum
Douganvinea	spectabilis	Touritain Grass	alopecuroides
Procesia Dwarf	Brassaia	Gardenia	Gardenia
Brassaia, Dwarf		Garuenia	
n date.	actinophylla	Consider Tooling	jasminoides
Buddleia	Buddleia davidii	Gazania, Trailing	Gazania uniflora
Bugleflower†	Ajuga reptans		leucoleana
Callistemon	Callistemon	Ginko	Ginko biloba
	lanceolatus	Gladiolas†	Koelreuteria
Camellia, Common, Japanese	Camellia japonica		paniculata
Camellia, Sasanqua	Camellia sasanqua	Golden Raintree†	Erica carnea
Candytuft	lberis sempintirens	Heath, Spring	Calluna vulgaris
Carissa	Carissa macrocarpa	Heather, Scotch	Heliotropium
Carnation	Dianthus	Heliotropium	arborescens
	caryophyllus	Hemlock, Canada†	Tsuga Canadensis
Ceanothus	Ceanothus	Hibiscus	Hisbiscus spp.
ccanomas	americanus	Honeysuckle	Lonicera spp.
Cedar, Red	Juniperus virginia	Holly	llex spp.
•	Cedrus atlantica	•	• •
Cedar, Atlas		Ice Plant	Carpobrotus edule
Cistus	Cistus purpureus	llima	Sida fallax
Citrus, Ornamental*:		Ivy, Algerian	Hedera canariensis
Grapefruit	Citrus paradisi	Ivy, English	Hedera helix
Lemon	Citrus limon	Jasmine, Orange	Munaya paniculata
Lime	Citrus aurantifolia	Jasmine, Primrose	Jasminum mesnyi
	Bearss	Jasmine, Star	Trachelospermum
Mandarin	Citrus reticulata		jasminoides
Tangelo	Citrus XTangelo	Jasmine, Showy	Jasminum floridum
-	Minneola	Juniper	Juniperus spp.

ESTABLISHED ORNAMENTALS AND GROUND COVERS

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Tangerine	Citrus reticulata var.	Justica	Justica brandegeana
	tangerina	Kwanzan Cherry†	Prunus sernrlata
Temple	Citrus Xnobilis	Lamb's Ear†	Stachys byzantina
	Temple	Lantana, Trailing	Lantana
Cuban Shaddock	Citrus maxima		montevidensis
Valencia	Citrus sinensis	Lapalapa	Cheirodendro spp.
Washington Navel	Citrus sinensis	Larch, European	Larix deciduas
Cleyera†	Cleyera laponica	Laurel, English	Prunus laurocerasus
Coreopsis†	Coreopsis	Leopards - Bane†	Dorenieum
	lanceolata		cordatum
Coromandel†	Asystasia	Leucothoe, Coast	Leucotiooe axileres
	gangentica		(caresoaei)
Cotoneaster	Cotoneaster spp.	Leucothoe,	Agapanthus
Crabapple*†	Malus spp.	Drooping	umpevatus
Crapemyrtle	Lagerstroemia	Lily of the Nile	Gynnga spp.
	indica	Lilac	Tiilia cardata
Creeping Phlox	Pholx subulata	Littleleaf Linden†	Othonna capetcis
Chrysanthemum	Chrysanthemum	Little Pickles	Eriobotrya japonicz
	spp.	Loquat*	
		Magnolia	Magnolia spp.

ESTABLISHED ORNAMENTALS AND GROUND COVERS

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Mahonia, Grape Holly	Mahonia aquifolium	Poplar	Populus spp.
Maple	Acer spp.	Potentilla	Potentilla fruticosa
Metallic Plant	Hemigraphis colorata	Potentilla	Potentilla fragiformis
Mexican Orange†	Choisya ternate	Privet	Ligustrum spp.
Mock Orange†	Philadelphus virginalis	Protea species	Banksia menzesii
Money Tree	Pleomele marginata		Leucadendron
Murraea	Murraea exotica		discolor
Murraea	Murraea paniculata		Leucospermum
Myoporum	Myoporum laetum		cordifolium
Myrtle	Myrtus communis		Protea exinia
Nandina	Nandina domestica	Pyracantha	Pyracantha coccinea
Oak	Quercus spp.	Raphiolepis	Raphiolepis umbellata
Ochana	Ochana serrulata	Redwood, Dawn	Metasequoia
Ohai	Samanea saman		glyptostroboides
Oleander	Nerium oleander	Rhododendron	Rhododendron spp.
Orthosiphon	Orthiosiphon	Rose	Rosa spp.
	stamineus	Russian Olive	Eleagnus angustifolia
Osmanthus	Osmanthus	Sargent Cherry†	Prunus sargentii
	heterophyllus	Scotch Broom	Cytisus scoparius
Pachysandra	Pachysandra	Sedum	Sedum album
	terminalis	Serviceberry,	Amelancheir alnifolia
Palm, Bamboo	Rhapi excelsa	Saskatoon*†	
Palm, Fishtail	Caryota spp.	Silver Butterfly Bush	Buddleia altemifolia

Palm, Licuala Palm, Macarthur	Licuala Thunb. spp. Ptychosperma	Smith Buckthorn Speedwell	Rahmnus smithii Veronica spicata
·	rnarcarthurii	Spruce	Picea spp.
Palm, Manac	Euterpe spp.	Staticet	Limonium spp.
Palm, Manila	Veitchia merillii	St Johnswort, Golden	Hypericum frondosum
Palm, Parlor	Collinia elegans	St.Johnswort,	Hypericum patulum
Palm, Rattan	Daemonorops spp.	Goldencup	
Palm, Sealing Wax	Cytrostachuys lakka	Strawberry Tree	Arbutus unedo
Palm, Sugar	Arenga saccharifera	Sumac, Staghorn	Rhus typhina
Paperbark Tree†	Melaleuca	Sweet William†	Dianthus barbatus
	leucadendra	Syzygium	Syzygium
Peony†	Poeonia spp.		paniculatum
Periwinkle, Common	Vinca minor	Trailing African Daisy	Osteospermum
Periwinkle, Large	Vinca major		fruticosum
Photinia, Frasier's	Photinia frasieri	Viburnum	Viburnum spp.
Poinciana	Delonix regea	Wedelia	Wedelia trilobata
Pine	Pinus spp.	Wisteria, Chinese†	Wisteria synensis
Pittosporum,	Pitfosporum tobira	Witchhazel,	Hamamelis virginiana
Japanese ,		Common†	
Plum, Natal	Carissa macrocarpa	Woadwaxen.	Genista tinctoria
Podocarpus, Yew	Podocarpus	Common†	Thymus
	macrophylla	Wooly Thyme†	pseudolanugirosis
Pomegranate*	Punica granatum	Xylosma	Xylosma congestum
		Yellow Foxglove	Digitalis x ertonensis
		Yew †	Taxus spp.

 $^{^{}st}$ Do not use on bearing plants or plants that will bear fruit within one year of Starfighter 2G application.

[†] Not for use in California in the absence of specific supplemental labeling.

NEWLY TRANSPLANTED ORNAMENTALS AND GROUND COVERS

COMMON NAME
Blanket Flower†
Brassaia, Dwarf
Camellia
Camellia
Cannation
Cedar, Red
Coromandel†

SCIENTFIC NAME
Gaillardia aristata
Brassia actinophylla
Camellia japonica
Diianthus caryophyllus
Juniperus atlantica
Asystasia gangentica

Dogwood, Flowering Cornus florida Elm Ulmus spp.

Forsythia Forsythia intermedia

Gazania, Trailing Gazania uniflora leucoleana

Hackberry† Celtis occidentalis
Ivy, Algerian Hedera canariensis
Ivy, English Hedera helix
Hemlock, Canada Tsuga Canadensis

Holly *llex* spp.

Ice Plant Carpobrotus edule
Juniper Juniperus spp.

Leopards - Bane† Doronicum cordatum Metallic Plant Hemigraphis colorata

Oak Quercus spp.
Periwinkle, Common Vinca minor
Periwinkle, Large Vinca major
Pine Pinus spp.
Poplar Populus spp.
Privet Ligustrum spp.
Protea Species Banksia menzesii

Leucadendron discolor Leucospermum cordifolium

Protea exinia

Rhododendron Rhododendrun spp.
Russian Olive Eleagnus angustifolia

Spruce *Picea* spp.

Trailing African Daisy Osteospermum fruticosum

Wedelia Wedelia trilobata
Wisteria, Chinese† Wisteria synensis

Yew † Taxus spp.

FOREST NURSERY APPLICATION

Seedlings of the following species may be treated with Starfighter 2G at least 4 weeks after emergence:

COMMON NAME
Pine, Loblolly
Pine, Eastern
White Pine, Slash
Pinus strobes
Pinus caribaea

[†] Not for use in California in the absence of specific supplemental labeling.

SENSITIVE VARIETIES OF ORNAMENTALS				
The following plant varieties listed below may be sensitive to Starfighter 2G under certain				
growing conditions. Make a small scale test application prior to making large scale applications.				
PLANT SPECIES	VARIETIES			
Andromeda	Snowdrift, Temple Bell			
(Pieris japonica)				
Azalea	Pink Champagne, Hershey,			
(Rhododendron	Leuchtenfuer, Memoire John Hearrens, Hino-Crimson, White Grandeur,			
spp.)	Everest, Girard Roberta			
Cotoneaster	Eichholz, Himalayan, Shangri-la			
(Cotoneaster spp.)				
Crapemyrtle	Petite Red Imp, Seminole Bush			
(Lagerstroemia				
indica)				
	Mediterranean Pink			
Heath, Spring				
(Erica carnea)				
Handadı Canada	Pendula			
Hemlock, Canada				
(Tsuga canadensis)	Red Heart			
Hibiscus	ned fredit			
(Hibiscus syriacus)				
(maiocae cyrraeae)	Daphnoides, Nova Zembla,			
Rhododendron	Catawba Album			
(Rhododendron				
spp.)				
Spruce, Norway	Pumila			
(Picea abies)				
Caruca White	Doncata			
Spruce, White	Densata			
(Picea glauca)				
Viburnum	Davidii			
(Viburnum spp.)				
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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Do not store in or around the home or home garden.

PESTICIDE DISPOSAL

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

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or 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.

IMPORTANT INFORMATION READ BEFORE USING PRODUCT

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 reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks 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 UPL NA Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of UPL NA Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold UPL NA Inc. and Seller harmless for any claims relating to such factors.

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