



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 30, 2019

Brad Glenn, Ph.D.  
Regulatory Affairs Manager  
Bayer CropScience, Environmental Science Division  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Subject: Notification per PRN 98-10 – Updating Storage and Disposal on Label  
Product Name: Indaziflam G  
EPA Registration Number: 432-1523  
Application Date: February 23, 2018  
Decision Number: 547420

Dear Dr. Glenn:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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

If you have any questions, please contact Emily Schmid at 703-347-0189 or by email at [schmid.emily@epa.gov](mailto:schmid.emily@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Emily Schmid".

Emily Schmid, Acting Product Manager 25  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

NOTIFICATION

432-1523

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

1/30/2019

GROUP

29

HERBICIDE

# INDAZIFLAM G

[ABN Specticle G; Marengo G]

- Editorial Note – Marketing claim positioned here

Preemergence Herbicide for the Control of Grasses, Annual Sedges, and Broadleaf Weeds in Warm Season Turfgrass, Landscape and Production Ornamentals, Hedgerows, Conifers, Christmas Trees, Greenhouse Floors, Ornamental Production Sites, Hardscapes, and Natural Areas

Editorial Note – [Bracketed text] is optional

## DO NOT USE FOR THE MANUFACTURING OF FERTILIZER

### ACTIVE INGREDIENT:

INDAZIFLAM .....0.0224%

OTHER INGREDIENTS:..... 99.9776%

TOTAL: 100.000%

EPA Reg. No. 432-1523

EPA Est. \_\_\_\_\_

Contains 0.0112 lbs of INDAZIFLAM in a 50 lb bag

## KEEP OUT OF REACH OF CHILDREN

See [Back] [Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
For PRODUCT USE Information Call 1-800-331-2867

### FIRST AID

**If swallowed:**

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**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.
- Call a poison control center or doctor for treatment advice.

**If on skin or clothing:**

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

**If 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

# PRECAUTIONARY STATEMENTS

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, and shoes plus socks.

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 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 and PPE immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean watermark. Do not contaminate water when disposing of equipment rinsate or washwater. This product may enter water through runoff. Follow directions for use to avoid runoff. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for getting into water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

**Surface Water Advisory:** This pesticide 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 a high potential for reaching surface water via runoff for several months or more after application.

**Ground Water Advisory:** This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

## DIRECTIONS FOR USE

**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.

## 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 intervals. 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 and 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. Always wear protective clothing and use appropriate equipment during application and handling. Avoid contact with granules. Avoid breathing dust.

## PRODUCT INFORMATION

INDAZIFLAM G is a selective, preemergence alkylazine herbicide. INDAZIFLAM G provides extended residual control of many annual grasses including crabgrass, goosegrass, and annual bluegrass, as well as annual sedges, and many broadleaf weeds. Use sites include turf; landscape ornamentals including residential, commercial, municipal, roadside, and natural areas; production nurseries including field and container grown, ornamentals; conifers and Christmas trees; non-bearing fruit and nut trees in nurseries and residential plantings; greenhouse floors (under benches), ornamental production facilities (such as shadehouses, lathhouses and hoopouses), and hardscapes.

Use INDAZIFLAM G on established warm season turf in areas including golf courses (roughs and fairways), sod farms, sports fields, residential and commercial lawns, parks, and cemeteries.

INDAZIFLAM G controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB Inhibitor). Necrosis or yellowing may be observed if the herbicide is applied to herbaceous tissue such as leaves and green stems or at bud break of sensitive plants. INDAZIFLAM G does not control plants emerging from tubers, rhizomes, bulbs, corms, and rootstocks.

INDAZIFLAM G needs to be activated by rainfall or irrigation prior to weed germination for most effective preemergence control.

INDAZIFLAM G is a highly active herbicide that provides effective weed control when applied to the soil around many labeled ornamentals. INDAZIFLAM G may also be used over-the-top of labeled container-grown ornamentals with adequate precautions. INDAZIFLAM G may damage sensitive plants, if granules are allowed to remain in contact with foliage. Carefully apply INDAZIFLAM G in strict accordance to the label.

Rate in lbs/Acre	Rate in lbs/1000 sq ft
100	2.3
125	2.9
133	3.1
150	3.4
200	4.6
400	9.2

## PRODUCT USE RESTRICTIONS

- **Do not exceed 200 lbs of INDAZIFLAM G per acre (4.6 lbs/1000 sq ft) in a single application for turf and ornamental applications.**
- **Do not exceed 400 lbs of INDAZIFLAM G per acre (9.2 lbs/1000 sq ft) for all applications within a 12-month period.**
- **Do not contaminate water intended for irrigation and domestic use.**
- **[INDAZIFLAM G is not for sale, distribution, or use in Nassau county, or Suffolk county, in New York State.]**
- **For ground application only.**

## DEACTIVATING INDAZIFLAM G

Activated charcoal has been shown to deactivate INDAZIFLAM G if applied within several days of an application. Follow directions for the amount of charcoal to apply on the label of the activated charcoal.

## APPLICATION INFORMATION

Apply INDAZIFLAM G with clean, properly calibrated drop, rotary, hand shaker or other spreader equipment according to the manufacturer's directions. Check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control. Uniform application using properly calibrated equipment is essential for satisfactory weed control. Avoid skips for the best weed control and avoid overlapping application patterns to avoid plant injury. For over-the-top applications, remove granules from leaf surfaces with a blower or irrigation.

## **SOIL MOISTURE, IRRIGATION, AND RAINFALL AFTER APPLICATION**

To activate INDAZIFLAM G, irrigate lightly after application to move the herbicide into the soil. Rainfall within several days after application will negate the need to irrigate. Avoid application to saturated soil. Postpone application if rainfall that may cause visible run-off is anticipated.

## **EQUIPMENT CLEANUP PROCEDURE**

Equipment used to apply INDAZIFLAM G must be cleaned prior to use on other sensitive turf and ornamentals, or injury may result. Before and after using INDAZIFLAM G clean all equipment on an approved rinse pad. Wear proper PPE while cleaning equipment.

## **RESISTANCE MANAGEMENT**

Indaziflam, the active ingredient in INDAZIFLAM G, is a Group 29 herbicide (Cellulose Biosynthesis Inhibitor) based on the mechanism-of-action classification system of the Weed Science Society of America. No known resistance to INDAZIFLAM G exists, however, continual use of any herbicide with the same mechanism-of-action may lead to selection of resistant weed populations and reduction in efficacy. To manage the development and spread of resistant weed populations, rotate herbicides with different mechanisms of action. Use in conjunction with sound cultural practices which minimize weed pressure and maximize weed control. INDAZIFLAM G has been shown to help manage weeds that have developed resistance to other herbicides including: glycines (glyphosate), triazines, ALS-inhibitors, and dinitroaniline (DNA) herbicides. The decision to use any particular herbicide should be based on an IPM program and all cultural practices and other pesticides in use. Contact a Bayer representative for the latest information on resistance management guidelines for this product.

## **DIRECTIONS FOR USE OF INDAZIFLAM G ON TURF**

### **USE RESTRICTIONS FOR INDAZIFLAM G ON TURF**

- Do not apply INDAZIFLAM G to newly seeded turf.
- Do not apply to golf course greens, tees, or collars.
- Do not apply to slopes immediately above golf course greens.
- Do not apply to weakened turf that requires significant fill-in or recovery.

### **USE OF INDAZIFLAM G IN COARSE AND SANDY SOILS**

Soil conditions can affect the tolerance of turf to INDAZIFLAM G. Coarse or sandy soils may allow for downward movement of INDAZIFLAM G into the root zone and cause significant root damage and phytotoxicity. Coarse soils, for example, may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of INDAZIFLAM G in these soils, confirm soil texture with a soil test. Turf grown in soil exceeding 80% sand or 20% gravel may be at risk. Low rate split applications of INDAZIFLAM G may reduce the risk on these soils. Refer to use rates for the 'Split Application Programs section of this label.

If INDAZIFLAM G is to be applied in these soils, evaluate turf tolerance in treated soils prior to a large scale application.

### **USE OF INDAZIFLAM G ON WEAKENED OR STRESSED TURF**

INDAZIFLAM G controls weeds by inhibiting root development. Newly developing roots of desirable turf may be affected. Turf under stresses such as winterkill, spring dead spot, transitioning ryegrass, Bermudagrass spring root decline, soil compaction, foliar and root diseases, nematodes, salt accumulation, shade, excessive foot or equipment traffic, newly verticut turf, and drought should be carefully evaluated before treatment. Application of INDAZIFLAM G to turf in these situations may delay turf recovery.

Application of INDAZIFLAM G to stressed turf may produce symptoms of injury including yellowing, purple discoloration, thinning, and necrosis. If injury occurs, promote recovery through optimizing fertility and other cultural practices.

### **TURF TOLERANCE**

Turf tolerance to INDAZIFLAM G is acceptable on all labelled turf types and cultivars. Due to the large number of types and cultivars, it is impossible to test every one for tolerance to INDAZIFLAM G. Neither the Manufacturer nor the Seller has determined whether or not INDAZIFLAM G can be used safely on turf types and cultivars not specified on this label.

Before using on turf cultivars that are not listed on this label, the applicator must confirm tolerance by testing labelled rates on a small area prior to widespread use.

## Tolerant Turfgrasses

- **Bermudagrass\*** (*Cynodon dactylon*) (and hybrids)-Baby, Celebration, Common, Floratex, TifSport, Tifton 10, Tifway 419, Princess, Vamont, Riviera, Yukon
- **Zoysiagrass** (*Zoysia spp.*)-Cavalier, Crowne, DeAnza, El Toro, Empire, Jamar, Meyer, Palisades, Zenith, Zeon
- **Centipedegrass\*** (*Eremochloa ophiuroides*)- Common, Tifblair
- **St. Augustinegrass\*** (*Stenotaphrum secundatum*)-Captiva, Floratam, Floratine, Palmetto, Raleigh
- **Buffalograss** (*Buchloe dactyloides*)
- **Bahiagrass** (*Paspalum notatum*)
- **Seashore paspalum (Paspalum vaginatum)**

\*Application of INDAZIFLAM G may temporarily inhibit the rooting of turfgrass stolons.

\*\* Common or off-type Bermudagrass may show increased sensitivity to INDAZIFLAM G compared to hybrids.

INDAZIFLAM G may cause unacceptable injury to some turfgrasses. **Do not use** on the following turfgrasses or mixtures containing any of these grasses, unless thinning or removal is desired. For use on grasses in natural areas, see Natural Areas section on this label.

- **Creeping bentgrass** (*Agrostis palustris*)
- **Colonial bentgrass** (*Agrostis capillaris*)
- **Annual bluegrass** (*Poa annua*)
- **Roughstalk bluegrass** (*Poa trivialis*)
- **Fine fescue** (*Festuca rubra*)
- **Turf type tall fescue** (*Festuca arundinaceae*)
- **Kikuyugrass** (*Pennisetum clandestinum*)
- **Perennial ryegrass** (*Lolium perenne*)
- **Annual ryegrass** (*Lolium multiflorum*)
- **Kentucky bluegrass** (*Poa pratensis*)
- **Bermudagrass** (*Cynodon dactylon*) Common "Ormond"

## Maximum Single Application Rates for INDAZIFLAM G on Warm Season Grasses

Turf Type	INDAZIFLAM G Rate (lbs/acre)	INDAZIFLAM G Rate (lbs/1000 sq feet)
Bermudagrass	200	4.6
Zoysiagrass	200	4.6
Buffalograss	200	4.6
Bahiagrass	200	4.6
St. Augustinegrass	125	2.9
Centipedegrass	125	2.9
Seashore Paspalum	125	2.9

## PRECAUTIONS FOR USE OF INDAZIFLAM G NEAR SENSITIVE GRASSES

INDAZIFLAM G applied uphill to sensitive grasses (such as overseeded ryegrass, roughstalk bluegrass (*Poa trivialis*), and bentgrass) can move and cause injury and stand reduction to adjacent sensitive grasses. Allow turf to dry before allowing foot traffic or equipment through treated areas near sensitive grasses. For Lawn Care applications, INDAZIFLAM G may be applied where labeled warm season grasses are adjacent to sensitive grasses such as tall fescue, Kentucky bluegrass, and perennial ryegrass. The applicator, however, must take care not to apply INDAZIFLAM G directly to sensitive grasses.

If INDAZIFLAM G makes contact with sensitive grasses, refer to the "DEACTIVATING INDAZIFLAM G" section of this label.

## USE RATES, TIMINGS, AND MAXIMUM SEASONAL RATE FOR INDAZIFLAM G ON TURF

Apply INDAZIFLAM G in a single or split application program. The maximum single application is 200 lbs per acre (4.6 lbs/1000 sq ft). The total amount of INDAZIFLAM G applied in a 12-month period must not exceed 400 lbs per acre (9.2 lbs/1000 sq ft).

## SINGLE APPLICATION PROGRAM

Target Weed	INDAZIFLAM G Rate Range (lbs/acre)	INDAZIFLAM G Rate Range (lbs/1000 sq ft)
Crabgrass	125 - 200	2.9 - 4.6
Goosegrass		
Annual Bluegrass		
Broadleaf weeds		
Annual sedge and kyllinga		

## SPLIT APPLICATION PROGRAMS

Split applications of INDAZIFLAM G can be made in a use season to extend the length of control of specific weeds, to control weeds germinating over an extended period, or to control other weeds emerging during the same or overlapping period.

### Use Rates for Two Split Applications of INDAZIFLAM G

Target Weed	Rate Range for INDAZIFLAM G (initial application)		Rate Range for INDAZIFLAM G (follow-up application within 45-90 days)	
	In lbs/acre	In lbs/1000 sq ft	In lbs/acre	In lbs/1000 sq ft
Crabgrass	125 - 200	2.9 - 4.6	125-200	2.9-4.6
Goosegrass				
Annual Bluegrass				
Broadleaf weeds				
Annual sedge and kyllinga				

### Use Rates for Three Split Applications of INDAZIFLAM G

Target Weed	Rate Range for INDAZIFLAM G (initial application)		Rate Range for INDAZIFLAM G (follow-up application within 30-45 days)	Rate Range for INDAZIFLAM G (follow-up application within 30-45 days)
	In lbs/acre	In lbs/1000 sq ft	In lbs/acre	In lbs/1000 sq ft
Crabgrass	125	2.9	125	2.9
Goosegrass				
Annual Bluegrass				

## CRABGRASS AND GOOSEGRASS CONTROL

INDAZIFLAM G provides preemergence control of crabgrass and goosegrass emerging from seed. INDAZIFLAM G does not control established crabgrass, perennial (continual growth) goosegrass or plants emerging from existing crowns. If goosegrass or crabgrass is evident at time of application, use a labeled post emergent herbicide for control of existing plants.

## ANNUAL BLUEGRASS CONTROL

Make preemergence applications of INDAZIFLAM G between August and November depending on the annual bluegrass germination in each geographical area. The optimum timing is dependent on peak annual bluegrass germination and local conditions in a particular year.

## BROADLEAF WEED CONTROL

INDAZIFLAM G provides preemergence control of many broadleaf weeds. Control is affected by the size of the seed, and the depth of the seed within the soil profile. Large seeded broadleaf weeds or weeds germinating deeper in the soil profile may not be effectively controlled by INDAZIFLAM G.

## ANNUAL SEDGES AND ANNUAL KYLLINGA CONTROL

INDAZIFLAM G provides preemergence control of sedges and kyllinga emerging from seed. INDAZIFLAM G does not control established perennial sedges and kyllinga, or sedges emerging from tubers (nutlets) including yellow and purple nutsedge.



## Weeds Controlled or Suppressed by INDAZIFLAM G<sup>1</sup>

<b>Broadleaf Weeds</b>	
American black nightshade	<i>Solanum americanum</i>
American Burnweed	<i>Erechtites hieracifolia</i>
Beggarticks	<i>Bidens alba</i>
Bittercress	<i>Cardamine spp.</i>
Black medic <sup>2</sup>	<i>Medicago lupulina</i>
Buckweat, Wild	<i>Polygonum convolvulus</i>
California burclover	<i>Medicago polymorpha</i>
Canada thistle, Common	<i>Cirsium arvense</i>
Chickweed, Common	<i>Stellaria media</i>
Chamberbitter	<i>Phyllanthus urinaria</i>
Chickweed, Mouse-ear	<i>Cerastium vulgatum</i>
Clover, White	<i>Trifolium repens</i>
Corn speedwell	<i>Veronica arvensis</i>
Cudweed, Linear-leaf/Purple	<i>Gnaphalium purpureum</i>
Cupid's shaving brush	<i>Emilia fosbergii</i>
Curly dock	<i>Rumex crispus</i>
Dandelion, Cat's ear	<i>Hypochoeris radicata</i>
Dandelion, Common	<i>Taraxacum officinale</i>
Dodder	<i>Cuscuta spp.</i>
Dogfennel	<i>Eupatorium capillifolium</i>
Eclipta	<i>Eclipta alba</i>
Evening primrose, Common	<i>Oenothera biennis</i>
Evening primrose, Cutleaf	<i>Oenothera laciniata</i>
False chamomile <sup>2</sup>	<i>Matricaria maritima</i>
Filaree, Redstem	<i>Erodium cicutarium</i>
Florida pusley	<i>Richardia scabra</i>
Galinsoga	<i>Galinsoga parviflora</i>
Garden spurge	<i>Chamaesyce hirta</i>
Groundsel, Common	<i>Senecio vulgaris</i>
Hairy fleabane	<i>Erigeron bonariensis</i>
Hairy nightshade	<i>Solanum sarrachoides</i>
Henbit	<i>Lamium amplexicaule</i>
Marestail	<i>Conyza canadensis</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Lawn burweed	<i>Soliva sessilis</i>
Little mallow	<i>Malva parviflora</i>
London rocket <sup>2</sup>	<i>Sisymbrium irio</i>
Longstalked phyllanthus	<i>Phyllanthus tenellus</i>
Mulberry weed	<i>Fatoua villosa</i>
Mustard, Black <sup>2</sup>	<i>Brassica nigra</i>
Mustard, Wild	<i>Sinapis arvensis</i>
Parthenium	<i>Parthenium hysterophorus</i>



Pigweed, Prostrate	<i>Amaranthus blitoides</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Pink purslane	<i>Claytonia sibirica</i>
Plantain, Buckhorn	<i>Plantago lanceolata</i>
Plantain, Paleseed	<i>Plantago virginica</i>
Poinsettia, Wild	<i>Euphorbia heterophylla</i>
Prostrate knotweed	<i>Polygonum aviculare</i>
Prostrate spurge	<i>Euphorbia maculata</i>
Puncturevine	<i>Tribulus terrestris</i>
Purslane, Common	<i>Portulaca oleracea</i>
Ragweed, Common <sup>2</sup>	<i>Ambrosia artemisiifolia</i>
Spurge, Spotted	<i>Euphorbia maculata</i>
Tassel flower	<i>Emilia sonchifolia</i>
Redmaids	<i>Calandrinia caulescens</i>
Sesbania, Hemp <sup>2</sup>	<i>Sesbania exaltata</i>
Shepherd's-purse	<i>Capsella bursa-pastoris</i>
Sida, Prickly/Teaweed <sup>2</sup>	<i>Sida spinosa</i>
Southern brassbuttons <sup>2</sup>	<i>Cotula australis</i>
Sowthistle, Annual	<i>Sonchus oleraceus</i>
Stinkwort	<i>Dittrichia graveolens</i>
Sunflower, Common <sup>2</sup>	<i>Helianthus annuus</i>
Swinecress	<i>Coronopus didymus</i>
Tropic ageratum	<i>Ageratum conyzoides</i>
Velvetleaf <sup>2</sup>	<i>Abutilon theophrasti</i>
Vetch, Purple <sup>2</sup>	<i>Vicia benghalensis</i>
Wild carrot <sup>2</sup>	<i>Daucus carota</i>
Willowherb	<i>Epilobium brachycarpum</i>
Woodsorrel, Yellow <sup>2</sup>	<i>Oxalis stricta</i>

<b>GRASSES, MONOCOTS, AND SEDGES</b>	
Annual bluegrass	<i>Poa annua</i>
Annual kylinga <sup>3</sup>	<i>Cyperus sesquiflorus</i>
Barnyardgrass, Common	<i>Echinochloa crus-galli</i>
Cheatgrass	<i>Bromus secalinus</i>
Crabgrass, Blanket	<i>Digitaria serotina</i>
Crabgrass, Henry	<i>Digitaria ciliaris</i>
Crabgrass, Large/Hairy	<i>Digitaria sanguinalis</i>
Crabgrass, Smooth	<i>Digitaria ischaemum</i>
Doveweed	<i>Murdannia nudiflora</i>
Fall panicum	<i>Panicum dichotomiflorum</i>
Foxtail brome	<i>Bromus rubens</i>
Foxtail, Giant	<i>Setaria faberi</i>
Foxtail, Green	<i>Setaria viridis</i>
Foxtail, Yellow	<i>Pennisetum glaucum</i>
Goosegrass	<i>Eleusine indica</i>
Guineagrass	<i>Panicum maximum</i>
Kyllinga, Fraqrant/Annual <sup>3</sup>	<i>Kyllinga odorata</i>
Little barley	<i>Hordeum pusillum</i>
Mouse barley	<i>Hordeum murinum</i>
Red brome	<i>Bromus rubens</i>
Rice flatsedge <sup>3</sup>	<i>Cyperus iria</i>
Ryegrass, Italian	<i>Lolium multiflorum</i>
Ryegrass, Perennial	<i>Lolium perenne</i>
Sandbur	<i>Cenchrus longispinus</i>
Sedge, Annual <sup>3</sup>	<i>Cyperus spp.</i>
Sedge, globe <sup>3</sup>	<i>Cyperus croceus</i>
Tufted lovegrass	<i>Eragrostis pectinacea</i>

<sup>1</sup>Use higher labeled rates if weed pressure is historically high or longer residual control is desired (See Use Rates in the INDAZIFLAM G chart). The rate chosen should not exceed the tolerance for an individual turf type. Weed control can also be achieved with split applications of INDAZIFLAM G. Do not exceed a total of 400 lbs of product per acre per year (9.2 lbs/1000 sq ft/year) with split applications.

<sup>2</sup>Weeds suppressed by INDAZIFLAM G

<sup>3</sup>INDAZIFLAM G only controls sedges and kylinga emerging from seed. It does not control perennial sedge emerging from nutlets or perennial forms of kylinga.

## **SEEDING, OVERSEEDING, RE-SEEDING, SPRIGGING AND SODDING**

INDAZIFLAM G can inhibit root development, as well as the emergence of seed. Roots of newly emerged seedlings may be damaged. Establishment of sod may be affected if INDAZIFLAM G is applied to turf that is not well established. Timing of seeding, re-seeding, overseeding, sprigging, and sodding turf relative to an application of INDAZIFLAM G needs to be considered.

Seeding, overseeding, re-seeding, sprigging, and sodding intervals are affected by the rate of INDAZIFLAM G applied, rainfall, and soil texture in a given year. Applications made sooner than the suggested intervals may decrease the establishment of the new seedlings and reduce turf coverage.

PLANTING METHOD	MINIMUM INTERVAL BEFORE APPLICATION	MINIMUM INTERVAL AFTER APPLICATION	MINIMUM INTERVAL AFTER APPLICATION
		125 – 150 lbs/A	150 - 200 lbs/A
Seeding	[8] [10] [12] months	[6] [8] [10] [12] months	[8] [10] [12] [14] months
Sprigging	[8] [10] [12] months	[6] [8] [10] [12] months	[8] [10] [12] [14] months
Sodding	[2] [3] [4] months	[6] [8] [10] [12] months	[8] [10] [12] [14] months

## APPLICATIONS ON SOD FARMS

INDAZIFLAM G may be applied to turf on Bermudagrass, zoysiagrass, and bahiagrass sod farms. During new sod establishment, INDAZIFLAM G may be applied when coverage from ribbons is 80% or greater.

Do not apply INDAZIFLAM G to centipedegrass, seashore paspalum, or St. Augustinegrass sod.

INDAZIFLAM G may be applied to sod up to 4 months prior to harvest.

## ORNAMENTALS

INDAZIFLAM G may be applied for preemergence weed control in landscape ornamentals, hedgerows, production ornamentals in outdoor nurseries, shadehouses, hoopouses, Christmas trees, and conifer plantations. Apply INDAZIFLAM G, prior to weed seed germination to dormant or actively growing ornamentals as listed in the table below. Apply INDAZIFLAM G to established ornamentals. Application of INDAZIFLAM G to budded grafts or graft unions may cause plant injury or plant death.

## USE RESTRICTIONS FOR INDAZIFLAM G ON ORNAMENTALS

- Do not exceed the maximum single application rates specified for each ornamental use.
- Do not allow granules applied “over-the-top” to remain in contact with foliage. INDAZIFLAM G may cause localized injury to foliage, especially young leaf tissue. For over-the-top applications, remove granules from leaf surfaces with a blower or irrigation.
- Do not use INDAZIFLAM G on ornamentals where granules may become trapped in developing leaves or in meristematic areas (e.g. whorls of grasses and perennials such as hosta).
- Do not use INDAZIFLAM G on or around annuals not listed as tolerant on this label.
- Do not use INDAZIFLAM G in landscape beds within 12 months prior to seeding or 3 months prior to planting.
- Do not use INDAZIFLAM G around bearing fruit and nut trees. INDAZIFLAM G may be used around non-bearing fruit and nut trees. Non-bearing trees are defined as trees that will not bear fruit until at least 1 year after treatment.
- Do not use INDAZIFLAM G around non-bearing fruit trees unless they are at least 1 year old.
- Do not use INDAZIFLAM G within the dripline of bearing fruit and nut trees.
- Do not incorporate INDAZIFLAM G into the soil or potting mix.
- Do not cultivate or disturb the soil surface after application of INDAZIFLAM G as this may reduce weed control.
- If transplanting mature plants listed as tolerant on this label into soil treated with INDAZIFLAM G within the preceding 12 months, replace existing soil around roots to minimize effects on plant establishment.
- Do not use INDAZIFLAM G on ornamentals being grown in a greenhouse.
- Do not use INDAZIFLAM G on nursery seedbeds, rooted cuttings, or young plants in liners.
- Do not apply INDAZIFLAM G to plants growing in containers less than 6 inches wide.
- Do not apply INDAZIFLAM G to plants less than 5 inches in height.
- Do not apply INDAZIFLAM G to drainage ditches.
- Do not apply INDAZIFLAM G to ornamental bulbs in production fields, landscapes, commercial fields, or residential sites after they have emerged.

## USE OF INDAZIFLAM G ON ORNAMENTALS IN COARSE AND SANDY SOILS

Soil conditions can affect the tolerance of ornamentals to INDAZIFLAM G. Excessively coarse or sandy soils may allow for downward movement of INDAZIFLAM G into the root zone and cause significant root damage and phytotoxicity. Coarse soils may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of INDAZIFLAM G on these soils, confirm soil texture with a soil test. Ornamentals grown in soil exceeding 90% sand or 20% gravel may be at risk. If INDAZIFLAM G is to be applied in these soils, evaluate tolerance of a few plants of each ornamental in INDAZIFLAM G treated soil for 1-2 months prior to a large scale application.

## SYMPTOMS OF INDAZIFLAM G INJURY ON ORNAMENTALS

INDAZIFLAM G may injure sensitive ornamentals by damaging roots or leaves. Plants damaged by root absorption will appear stunted, deformed, and may not recover. If granules of INDAZIFLAM G are allowed to remain in contact with treated plants, leaf symptoms may appear as lesions, discoloration, or curling. Symptoms may appear within 2-4 weeks after application. Newly formed leaves may be

undamaged. It is essential that the user assess the severity of any symptoms on cultivars not listed on this label, before proceeding with large-scale applications of INDAZIFLAM G.

## LANDSCAPE ORNAMENTAL USES

INDAZIFLAM G may be used in residential, commercial, as well as federal, state, and local plantings of ornamentals and hedgerows for preemergence weed control. Apply INDAZIFLAM G only to established (rooted) plants and not to newly rooted cuttings/or seedlings. To avoid root damage, apply INDAZIFLAM G around transplants when the soil has firmly settled around the root area. Irrigation or rainfall will help to settle the soil and seal surface cracks. Make applications prior to mulching for best weed control. If INDAZIFLAM G contacts foliage, brush or wash off to avoid damage. Care must be taken not to get granules on sensitive turf next to landscape beds to avoid possible turf injury. Herbaceous annuals and perennials are sensitive to INDAZIFLAM G.

### Use of INDAZIFLAM G near Sensitive Grasses

**CAUTION: INDAZIFLAM G applied uphill to sensitive grasses can move, under certain circumstances, to sensitive grasses and cause injury and stand reduction.**

Do not apply to landscape beds uphill from ryegrass or mixed lawns where ryegrass is desirable.

**AMOUNT TO USE:** Apply INDAZIFLAM G at 125 - 200 lbs of product per acre (2.9 - 4.6 lbs/1000 sq ft) around ornamentals.

A subsequent application of INDAZIFLAM G can be made within 90 days after the initial application to extend weed control provided that the total INDAZIFLAM G applied does not exceed 400 lbs per acre (9.2 lbs/1000 sq ft) in a 12 month period.

Application of INDAZIFLAM G to heavily mulched landscape beds may result in reduced weed control. INDAZIFLAM G may be applied to lightly mulched area after the mulch has settled.

## PRODUCTION ORNAMENTAL USES

INDAZIFLAM G may be applied as a single or sequential application to production ornamental plants. INDAZIFLAM G provides up to 8 months of weed control with a single application. The length of control depends on many environmental factors as well as the target weeds and weed pressure. Apply INDAZIFLAM G to the soil surface or over-the-top only to established plants. Do not apply INDAZIFLAM G to newly rooted cuttings/or seedling beds. To avoid root damage, apply INDAZIFLAM G around established plants when the soil has firmly settled. Irrigation or rainfall will help to settle the soil and seal surface cracks.

INDAZIFLAM G should be applied to soil free of weeds, debris, and soil clods for optimum efficacy. Herbicidal efficacy may be reduced if soil is disturbed after application.

**AMOUNT TO USE:** Apply INDAZIFLAM G to the soil around ornamentals at 125 - 200 lbs of INDAZIFLAM G per acre (2.9 - 4.6lbs/1000 sq ft).

A subsequent application of INDAZIFLAM G can be made within 90 days after the initial application to extend weed control provided that the total INDAZIFLAM G applied does not exceed 400 lbs per acre (9.2 lbs/1000 sq ft) in a 12 month period.

Over-the-top applications should be made to dry foliage. Applications made to wet foliage may cause the product to stick to the foliage and lead to localized injury. Use weed free media in containers. Exposed growing mixes risk weed seed contamination INDAZIFLAM G will not prevent weed germination from seeds deeper in the media profile.

## ORNAMENTALS AND THEIR CULTIVARS TOLERANT TO INDAZIFLAM G

Tolerant ornamentals and their cultivars are listed in the following table. If a desired plant to be treated is not listed on this label, treat several plants at the maximum use rate and evaluate 1-2 months later for acceptable tolerance. The user assumes responsibility for application to plants not listed in this table. Do not treat annuals not listed on this label.

Common Name	Scientific Name	Cultivar
Abelia	<i>Abelia grandiflora</i>	Little Richard, Edward Gaucher
Arborvitae	<i>Thuja occidentalis</i>	Emerald, Green Giant, Green Flag, Nigra, Techny, Yellow Ribbon
Asparagus fern	<i>Asparagus plumosus</i>	
Aster, Heath	<i>Aster erichoides</i>	Snow Flurry
Aucuba, Japanese/Gold Dust Plant	<i>Aucuba japonica</i>	Variiegata
Azalea	<i>Rhododendron spp.</i>	Delaware Valley White, Fashion, Florida Flame, Formosa, Girard's Rose, Golden Torch, Haps Pink, High Tide, Judge Solomon, Karen, Nova Sembla, Mother's Day, Pink Gumpo, Red Ruffle, VF 14, White Gumpo, Girard's
Azalea, Cat Album	<i>Rhododendron catawbiense</i>	Chionoides
Azalea, Encore	<i>Rhododendron spp.</i>	Autumn Debutante
Azalea, Formosa	<i>Rhododendron indica</i>	Satsuki

Azalea, Kurme	<i>Rhododendron obtusum</i>	Hino Crimson
Azalea, Macrantha	<i>Rhododendron macrantha</i>	
Barberry	<i>Berberis thunbergii f. atropurpurea</i>	Crimson Pygmy, Rosy Glow
Bayberry, Northern	<i>Myrica (Morella) pennsylvanica</i>	
Beautybush	<i>Linnea (Kolwitzia) amabilis</i>	
Big bluestem	<i>Andropogon gerardii</i>	
Black Hawthorn	<i>Crataegus douglasii</i>	
Blackberry, European	<i>Rubus fruticosus</i>	Legacy, Ouachita
Bleeding heart vine	<i>Clerodendrum thomsoniae</i>	Bleeding Heart
Blueberry, Highbush	<i>Vaccinium corymbosum</i>	Legacy
Bluebird	<i>Caryopteris x clandonensis</i>	Dark Knight
Bluestem, Big	<i>Andropogon gerardii</i>	
Bluestem, Little	<i>Andropogon scoparius</i>	
Bottlebrush, Crimson	<i>Callistemon citrinus</i>	
Bougainvillea	<i>Bougainvillea spp.</i>	Barbara Karst Double Red
Boxwood	<i>Buxus microphylla</i>	Baby Gem, Chicagoland Green, Dwarf, Green Beauty
Boxwood, Common/English	<i>Buxus sempervirens</i>	Green Gem , Green Mountain, Suffruticosa, Winter Gem
Boxwood, Japanese	<i>Buxus microphylla var. japonica</i>	Dwarf, Chicagoland
Buckeye, Ohio	<i>Aesculus glabra</i>	
Butterfly bush	<i>Buddleia</i>	Nanho Blue
Buttonwood, Silver/Green	<i>Conocarpus erectus</i>	
Camellia, Japanese	<i>Camellia japonica</i>	Margaret Heathcliff Pink
Camellia, Little leaf	<i>Camellia sasanqua</i>	Cleopatra Pink, Shi Shi Gashira
Cedar, Atlantic white	<i>Chamaecyparis thyoides</i>	
Cedar, Japanese	<i>Cryptomeria japonica</i>	Black Dragon, Burkii, Globosa Nana, Yoshino
Chaste Tree	<i>Vitex agnus-castus</i>	Abbeville Blue
Cleyera, Japanese	<i>Ternstroemia gymnanthera</i>	Sotall
Clusia, Dwarf	<i>Clusia guttifera</i>	Nana
Cocoplum	<i>Chrysobalanus icaco</i>	
Coral bells (Heuchera)	<i>Heuchera sanguinea</i>	Ruby Bells, Silver Scrolls
Cotoneaster	<i>Cotoneaster</i>	Coral Beauty
Crape myrtle	<i>Lagerstroemia indica</i>	Burgundy Cotton, Pocomoke Pink, Sarah's Favorite, Siren Red
Crape myrtle	<i>Lagerstroemia indica x fauriei</i>	Miami, Muskogee, Natchez, Tuscarora
Crown of thorns	<i>Euphorbia milli</i>	
Cryptomeria	<i>Cryptomeria japonica</i>	Black Dragon, Yoshino
Cypress, Bald	<i>Taxodium distichum</i>	Shawnee Brave
Cypress, False	<i>Chamaecyparis spp.</i>	Gold Mops, Gold Thread
Cypress, Japanese (Hinoki Cypress)	<i>Chamaecyparis obtusa</i>	Globose Nana
Cypress, Pond	<i>Taxodium distichum var. imbricatum</i>	
Cypress, Leyland	<i>Cupressus x leylandii</i>	
Cypress, Mediterranean	<i>Cupressus sempervirens</i>	Glauca
Daphne	<i>Daphne caucasica</i>	Summer Ice
Daylily (before emergence)	<i>Hemerocallis spp.</i>	Green Flutter, Happy Returns, Stella d'Oro
Deutzia	<i>Deutzia gracilis</i>	Nikko
Eastern ninebark	<i>Physocarpus opulifolius</i>	Coppertina, Darts Gold
Euonymus, Spreading	<i>Euonymus kiautschovicus</i>	Manhattan
Euonymus, Variegated boxleaf (Japanese spindle)	<i>Euonymus japonicus</i>	Cholippo, Silver Queen, Variegatum
False holly	<i>Osmanthus heterophyllus</i>	Goshiki
Feather reed grass	<i>Calamagrostis acutiflora</i>	Overdam, Karl Foerster
Firebush, Dwarf	<i>Hamelia patens</i>	Compacta
Firethorn (Pyracantha)	<i>Pyracantha coccinea</i>	Red Cushion
Florida Leucothe (Pipestem)	<i>Leucothoe populifolia</i>	
Forsythia (Golden bells)	<i>Forsythia x intermedia</i>	Lynwood Gold
Gardenia	<i>Gardenia radicans</i>	Radicans
Gardenia	<i>Gardenia jasminoides</i>	Frostproof , Mystery
Gaura	<i>Gaura lindheimeri</i>	Pink Fountain

Globe amaranth	<i>Gomphrena globosa</i>	Gnome Pink
Gold-dust plant	<i>Aucuba japonica</i>	Gold Dust
Hardy kiwi	<i>Actinidia arguta</i>	Anna
Hawaiian snowbush	<i>Breynia disticha</i>	
Hawthorn, Black	<i>Crataegus douglasii</i>	
Heather	<i>Erica spp.</i>	
Hibiscus, Chinese	<i>Hibiscus rosa-sinensis</i>	President Red, San Diego Red
Hibiscus (Rose mallow)	<i>Hibiscus moscheutos</i>	Luna White
Hibiscus (Rose of sharon)	<i>Hibiscus syriacus</i>	Boule de Feu, Lohengrin, Pink Heart, Red
Holly	<i>Ilex latifolia</i>	Mary Nell
Holly, American	<i>Ilex opaca</i>	
Holly, Chinese	<i>Ilex cornuta</i>	Budfordii Nana, Carissa, Dwarf Burford, Needlepoint
Holly, Dragon lady	<i>Ilex aquipernyi x pernyi</i>	Dragon Lady
Holly, Dwarf yaupon	<i>Ilex vomitoria</i>	Compacta , Schillings, Stoke's Dwarf, Yaupon
Holly, Inkberry/Gallberry	<i>Ilex glabra</i>	Compacta, Densa, Shamrock
Holly, Japanese	<i>Ilex crenata</i>	Compacta, Green Luster, Sky Pencil, Soft Touch
Holly, Meservae	<i>Ilex meserveae</i>	Blue Maid, Blue Princess
Honeylocust	<i>Gleditsia triacanthos</i>	Skyline, Sunburst, Sunshine
Honeysuckle, European	<i>Lonicera periclymenum</i>	Harlequin
Honeysuckle, Japanese	<i>Lonicera japonica</i>	
Hosta (before emergence)	<i>Hosta spp</i>	Sum and Substance, Twilight
Iceplant	<i>Delosperma congestum</i>	White Nugget
Iceplant	<i>Delosperma nubigenum</i>	Basutoland
Iceplant, Hardy	<i>Delosperma cooperi</i>	Cooper's Hardy Iceplant, Purple Mountain
Inkberry	<i>Ilex glabra</i>	Densa
Indian hawthorn	<i>Raphiolepis indica</i>	Dwarf Pink, Minor, Pink Lady
Ivy, English	<i>Hedera helix</i>	Thorndale
Ixora	<i>Ixora coccinea</i>	Mauii, Maui Red, Maui Yellow
Ixora, Dwarf	<i>Ixora taiwanensis</i>	Petite Pink, Petite Red
Japanese Cleyera	<i>Ternstroemia gymnanthera</i>	
Japanese Mock-orange	<i>Pittosporum tobira</i>	Variegata
Japanese plum yew	<i>Cephalotaxus harringtonia</i>	Fastigiata
Japanese yew	<i>Taxus x media</i>	Densiformis
Jasmine, Asiatic/Yellow star	<i>Trachelospermum asiaticum</i>	Minima
Jasmine, Winter	<i>Jasminum nudiflorum</i>	
Jessamine, Carolina	<i>Gelsemium sempervirens</i>	
Juniper, Chinese	<i>Juniperus chinensis</i>	Gold Tip, Grey Owl, Sea Green, Spartan
Juniper, Creeping	<i>Juniperus horizontalis</i>	Bar Harbor, Blue Rug
Juniper, Flaky	<i>Juniperus squamata</i>	Blue Star
Juniper, Japanese garden	<i>Juniperus procumbens</i>	Nana
Juniper, Parson's	<i>Juniperus davurica</i>	Expansa, Parsonii
Juniper, Shore	<i>Juniperus conferta</i>	Blue Pacific
Kinnikinnick	<i>Arctostaphyos uva-ursi</i>	
Lantana	<i>Lantana camara</i>	Landmark Sunrise Rose
Laurustinus	<i>Viburnum tinus</i>	
Lilac	<i>Syringa x 'Penda'</i>	Bloomerang
Lilac, Common	<i>Syringa vulgaris</i>	
Lilac, Dwarf korean	<i>Syringa meyeri</i>	Palibin
Lilac, Japanese tree	<i>Syringa reticulata</i>	Ivory Silk
Lilac, Manchurian	<i>Syringa 'pubescens' subsp. Patula</i>	Miss Kim
Lily of the valley shrub	<i>Pieris japonica var. Yak</i>	Cavatine, Mountain Fire
Liriope (Lilyturf)	<i>Liriope muscari</i>	Aztec Grass, Big Blue, Evergreen Giant, Silvery Sunproof
Liriope (Lilyturf)	<i>Liriope spicata</i>	Silver Carpet
Loropetalum	<i>Loropetalum chinensis</i>	Burgundy, Ruby, Plum Purple, Rubra
Maiden grass (Eulaliagrass)	<i>Miscanthus sinensis</i>	Gracillimus, Zebrinus, Little Zebra
Magnolia, Loebner	<i>Magnolia x loebneria</i>	Leonard Messel
Magnolia, Star	<i>Magnolia stellata</i>	Waterlilly
Maple, Japanese	<i>Acer palmatum</i>	Bloodgood, Weeping Red Dragon



Maple, Red	<i>Acer rubrum</i>	Autumn Blaze, Autumn Radiance, Frank's Red, October Glory, Red Sunset
Mealycup sage	<i>Salvia farinacea</i>	Victoria white
Mondgrass	<i>Ophiopogon japonicus</i>	
Muhly Grass	<i>Muhlenbergia capillaris</i>	
Nandina	<i>Nandina domestica</i>	Firepower
Oak, Northern pin	<i>Quercus ellipsoidal</i>	
Oak, Overcup	<i>Quercus lyrata</i>	
Oak, Pin	<i>Quercus palustris</i>	
Oak, Prarie stature	<i>Quercus x bimundorum</i>	Midwest
Oak, White	<i>Quercus alba</i>	Swamp White
Oleander	<i>Nerium oleander</i>	Calypso, Cardinal Red
Palm, Areca	<i>Dypsis lutescens</i>	
Palm, Coconut	<i>Cocos nucifera</i>	
Palm, European (Mediterranean) Fan	<i>Chamerops humilis</i>	
Passion Vine	<i>Passiflora caerulea</i>	Blue
Pear, Common	<i>Pyrus communis</i>	Bartlett
Periwinkle	<i>Vinca minor</i>	
Periwinkle, Madagascar	<i>Catharathus roseus</i>	Titan Lilac
Photinia	<i>Photinia x fraseri</i>	Birmingham, Red Tip
Pine, Eastern white	<i>Pinus strobus</i>	
Pine, Loblolly	<i>Pinus taeda</i>	
Pine, Mondell	<i>Pinus eldarica</i>	
Pittosporum	<i>Pittosporum tobira</i>	Variegata
Plum, American	<i>Prunus americana</i>	
Plumbago (Cape leadwort)	<i>Plumbago auriculata</i>	Imperial Blue
Podocarpus (Budhist pine)	<i>Podocarpus macrophyllus</i>	
Potentilla, Shrubby cinquefoil	<i>Potentilla fruticosa</i>	Goldfinger
Prarie Cordgrass	<i>Spartina pectinata</i>	
Privet, Vicary golden	<i>Ligustrum x vicary</i>	Vicary Golden
Pyracantha/Firethorn	<i>Pyracantha coccinea</i>	Red Cushion
Quince, Flowering	<i>Chaenomeles speciosa</i>	
Red cedar, Eastern	<i>Juniperus virginiana</i>	Idyllwild
Rose	<i>Rosa spp.</i>	Caramba , Double Knock Out, Flower Carpet Amber, Home Run, Knock Out, Louis Phillipe, Pink Knock Out, RadrazzPink
Rose	<i>Rosa rugosa</i>	
Rose, Virginia	<i>Rosa virginiana</i>	
Rose Mallow	<i>Hibiscus moscheutos</i>	
Rose of sharon	<i>Hibiscus syriacus</i>	Pink Heart, Boule de Feu
Russian Olive	<i>Elaeagnus angustifolia</i>	
Sage, Mealycup	<i>Salvia farinacea</i>	Victoria White
Schefflera	<i>Schefflera arboricola</i>	Dwarf, Trinette, Variegata
Scotchbroom	<i>Cytisus scoparius</i>	Burkwoodii
Sea Oats	<i>Chasmanthium latifolia</i>	
Sedge, Leather leaf flat	<i>Carex comans</i>	Red Rooster
Serviceberry (Shad brush)	<i>Amelanchier canadensis</i>	
Smoketree	<i>Cotinus coggygria</i>	Royal Purple
Snowberry, Common	<i>Symphoricarpos albus</i>	
Snowbush, Hawaiian	<i>Breynia disticha</i>	
Spicebush	<i>Lindera benzoin</i>	
Spirea (Dormant only)	<i>Spirea japonica</i>	Lemon Princess, Little Princess, Norman, Shirobana
Spruce, Dwarf alberta	<i>Picea glauca</i>	Conica
Stonecrop (1 application)	<i>Sedum spp.</i>	Kamshaticum, Matrona
Stonecrop (1 application)	<i>Sedum ternatum</i>	Larinem Park
Sweet olive, Fragrant tea olive	<i>Osmanthus fragrans</i>	
Switchgrass	<i>Panicum virgatum</i>	Shenandoah
Taxus (Japanese yew)	<i>Taxus x media</i>	Densiformis
Thin-fruit sedge	<i>Carex flaccosperma</i>	
Verbena	<i>Verbena canadensis</i>	Homestead Purple
Viburnum	<i>Viburnum awabuki</i>	
Viburnum, Burkwood	<i>Viburnum x burkwoodii</i>	



Viburnum, Popcorn (Japanese snowball)	<i>Viburnum plicatum</i>	Popcorn, St. Veverne
Virginia sweetspire	<i>Itea virginica</i>	
Wax Myrtle, Southern	<i>Myrica cerifera (w/woody growth)</i>	
Witch Alder, Dwarf	<i>Fothergilla gardenii</i>	
Wintercreeper	<i>Euonymus fortunei</i>	
Yellow Anise	<i>Illicium parviflorum</i>	
Yellow Indian grass	<i>Sorghastrum nutans</i>	

## Do not use INDAZIFLAM G on any of these plants

Common Name	Scientific Name
Astilbe	<i>Astilbe chinensis</i>
Barberry	<i>Berberis thunbergii</i>
Blue fescue grass	<i>Festuca glauca</i>
California Lilac	<i>Ceanothus x pallidus</i>
Croton	<i>Codiaeum variegatum</i>
Dewdrops	<i>Duranta erecta</i>
Elderberry, American	<i>Sambucus canadensis</i>
Elderberry, Blue	<i>Sambucus nigra</i>
Euonymus, Japanese	<i>Euonymus japonicus</i>
Fountain grass	<i>Pennisetum alopecuroides</i>
Fountain grass, Purple	<i>Pennisetum setaceum</i>
Hydrangea	<i>Hydrangea macrophylla</i>
Japanese Rose	<i>Kerria japonica</i>
Mandevilla	<i>Mandevilla spp.</i>
Pepperbush, Sweet (Summersweet)	<i>Clethera alnifolia</i>
Plumbago	<i>Plumbago auriculata</i>
Privet, Japanese	<i>Ligustrum japonicum</i>
Spirea	<i>Spiraea japonica</i>
Sweetshrub	<i>Calycanthus spp.</i>
Sweet viburnum	<i>Viburnum odoratissimum</i>
Viburnum	<i>Viburnum suspensum</i>

## NATURAL AREAS

Use INDAZIFLAM G to control weeds in managed natural areas including those on golf courses. These areas can be adjacent to fairways, tees, greens, and in steep areas that are difficult to manage with a traditional program or where low maintenance is desired. Plants in these areas include those indigenous to a geographic area as well as other plants introduced due to their potential for low maintenance or for aesthetic considerations. Use of INDAZIFLAM G in natural areas allows the user to manage undesirable weeds and prevent germination of invasive plants.

Apply INDAZIFLAM G around tolerant ornamentals listed on this label to control annual grasses and broadleaf weeds prior to germination. All plants must be established for at least one growing season before an application of INDAZIFLAM G. If a desired plant to be treated is not listed on this label, treat several plants at the maximum use rate and evaluate 1-2 months later for acceptable tolerance.

Germination of wildflower seed will be sensitive to INDAZIFLAM G. Seed these into treated areas no sooner than [6] [12] months after an application of INDAZIFLAM G. Do not make an over-the-top application to wildflowers.

**AMOUNT TO USE:** Apply INDAZIFLAM G around ornamentals at 125-200 lbs of INDAZIFLAM G per acre (2.9-4.6 lbs/1000 sq ft). Activate INDAZIFLAM G by watering in with light irrigation or rainfall.

## NON-SELECTIVE USES

### NON-CROP AREAS

INDAZIFLAM G may be used to maintain bare ground in non-crop areas. These include paths, parking lots, curbs, sidewalks, driveways, around buildings, gravel areas, loading ramps, educational facilities, storage yards, vacant lots, fence rows, parks, and hardscapes. All weeds and debris must be removed from the area to be treated for optimum weed control. Irrigation or rainfall after application will provide maximum weed control.

### Use of INDAZIFLAM G near Sensitive Grasses

INDAZIFLAM G applied uphill to sensitive grasses can move, under certain circumstances, to sensitive grasses and cause injury and stand reduction.

**AMOUNT OF USE:** Apply 200-400 lbs of INDAZIFLAM G per acre (4.6-9.2 lbs/1000 sq ft)

**ORNAMENTAL PRODUCTION FACILITIES**

INDAZIFLAM G may be used in ornamental production facilities such as nurseries, on floors of greenhouses, areas covered by landscape fabric, hoopouses, lathhouses, and shadehouses to provide bare ground weed control beneath benches, potted plants, or growing/holding areas.

Do not use INDAZIFLAM G in hoopouses, lathhouses, and shadehouses if ornamental plants are present.

Make applications to these sites during clean up, sanitation, and preparation prior to plant production.

AMOUNT OF USE: Apply 200 - 400 lbs of INDAZIFLAM G per acre (4.6 – 9.2 lbs/1000 sq ft).

If weeds are present at the time of application, remove weeds or use a post emergent herbicide observing all use restrictions. Water in INDAZIFLAM G after application and allow treated area to dry prior to introducing plants.

Do not apply INDAZIFLAM G to areas where water is present or where water can potentially move INDAZIFLAM G off the application area.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool, dry place. Avoid cross-contamination with other pesticides.

### PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

### CONTAINER HANDLING

#### **Non-refillable Paper or Plastic Bags, Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums with Liners:**

Non-refillable container. Do not reuse or refill this container. Completely empty paper or plastic bag, fiber sack or drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer for recycling if available or dispose of empty paper or plastic bag, fiber sack or fiber drum and liner in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

#### **Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)**

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

#### **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

#### **Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

#### **Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners**

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

#### **Non-Seed Treatment Products in Non-Refillable Foil outer pouches of Water soluble Packets (WSP)**

Offer foil pouch for recycling if available or dispose of empty pouch in the trash as long as WSP is unbroken.

### **Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons**

#### **PLASTIC CONTAINERS:**

Non refillable container. Do not reuse or refill this container. Tripled rinse container (or equivalent) promptly after emptying.

#### **LIQUID Dillutable formulations:**

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

## **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Bayer CropScience LP. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

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### **NET CONTENTS:**

#### **PRODUCED FOR**



**Bayer Environmental Science**

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[Optional Marketing Claims:]

Pictures:

