432-1523

06/25/2012



#### US ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave NW Washington D C 20460 EPA Reg Number

432 1523

Date of Issuance

JUN 25 2012

NOTICE OF PESTICIDE

x Registration

\_\_ Reregistration

(under FIFRA as amended)

Term of Issuance Unconditional

Name of Pesticide Product

Indazıflam G

Name and Address of Registrant (include ZIP Code)

Bayer CropScience

2 T W Alexander Drive

Research Triangle Park, NC 27709

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

On the basis of information furnished by the registrant the above named pesticide is hereby registered/reregistered under the Federal Insecticide

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

The Basic Confidential Statement of Formula (CSF) dated 12/06/11 Alternate #1 CSF Dated 01/03/12 and Alternate #2 CSF dated 01/04/12 are acceptable

This product is registered in accordance with FIFRA section 3(c)(5) provided that you

- Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data
- 2 Make the following label revision
  - a Assure that the establishment number and net contents are added to the final printed label
- 3 Submit data requirements for storage stability (830 6317) and corrosion characteristics (830 6320) within eighteen (18) months of the date of this letter
- 4 Submit one (1) copy of the revised final printed label for the record

If these conditions are not complied with the registration will be subject to cancellation in accordance with FIFRA sec 6(e) Your release for shipment of the product constitutes acceptance of these conditions A stamped copy of the label is enclosed for your records

If you have any questions regarding this notice please contact Maggie Rudick of my staff at 703 347 0257 or rudick maggie@epa gov

Signature of Approving Official

Date

JUN 25 2012

Kable Bo Davis

Project Manager 25

Herbicide Branch

Registration Division (7505P)

EPA Form 8570 6

# ACCEPTED with COMMENTS In EPA Letter Dated

Under the Federal Insedict ROUP
Funguade, and Rodentuck Act
Temperated, for the pesticide

## INDAZIFLAM

[ABN Specticle G, Marengo G]

432-1563

Wastered under EPA Reg. No

Preemergent Herbicide for the Control of Annual Grasses Annual Sedges and Broadleaf Weeds in Turfgrass Landscape and Production Ornamentals Greenhouse Floors Shadehouses Hoophouses and Hardscapes

#### DO NOT USE FOR THE MANUFACTURING OF FERTILIZER

**ACTIVE INGREDIENT** 

INDAZIFLAM

0 0224%

**HERBICIDE** 

**OTHER INGREDIENTS** 

Total

99 9776% 100 000%

**EPA Reg No 432 1523** 

**EPA Est** 

Contains 0 0112 lbs of INDAZIFLAM in a 50 lbs bag

## KEEP OUT OF REACH OF CHILDREN

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  |  |  |
|------------------------|--|--|--|
| 1                      | Have person sip a glass of water if able to swallow  |  |  |
| l                      | Do not induce vomiting unless told to do so by a poison control center or doctor   |  |  |
|                        | Do not give anything 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  |  |  |
| <u> </u>               | 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 con   | ntainer or label with you when calling a poison control center or doctor or going for treatment  |  |  |

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Follow manufacturers 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 water mark. 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

#### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

#### **PESTICIDE STORAGE**

Store in original container only. Store in a manner to prevent cross contamination of other pesticides fertilizer food and feed. Do not store in or around the home. Store in a dry. locked storage area.

#### PESTICIDE DISPOSAL

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

#### **CONTAINER HANDLING**

Non refillable container Do not reuse or refill this container Completely empty bag into application equipment. Offer for recycling if available Dispose of in a sanitary landfill or by incineration or if allowed by State and local authorities by burning. If burned stay out of smoke

4/17

#### PRODUCT INFORMATION

INDAZIFLAM G is a selective preemergent alkylazine herbicide. INDAZIFLAM G provides extended residual control of many annual grasses including crabgrass goosegrass and annual bluegrass as well as annual sedges and some broadleaf weeds in turf landscape ornamentals production nursery including in ground and container woody plants ornamentals. non bearing fruit and nut trees in nurseries and residential plantings greenhouse floors (under benches) ornamental production facilities such as shadehouses and hoophouses as well as hardscapes.

Use INDAZIFLAM G on established turf in areas including golf courses (roughs and fairways) 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 of susceptible plants including sensitive ornamentals INDAZIFLAM G does not control plants emerging from tubers rhizomes bulbs corms existing rootstocks and woody vegetation INDAZIFLAM G suppresses the development of some additional hard to control weeds

INDAZIFLAM G needs to be activated prior to weed germination for most effective control For maximum activity against germinating weeds INDAZIFLAM G requires rainfall or irrigation prior to weed germination

INDAZIFLAM G is a very active herbicide that provides effective weed control when applied to the soil around many woody ornamentals grown in ground INDAZIFLAM G may also be used over the top of listed container grown ornamentals with adequate precautions INDAZIFLAM G may damage sensitive plants if granules are allowed to remain in contact with foliage. Use INDAZIFLAM G according to the label

#### PRODUCT USE RESTRICTIONS

Do not exceed 200 lbs of INDAZIFLAM G per acre in a single application for turf and ornamental applications

Do not exceed 400 lbs of INDAZIFLAM G per acre for all applications within a 12 month period

Do not contaminate water intended for irrigation and domestic use

Do not apply using aerial application equipment

#### **DEACTIVATING INDAZIFLAM G**

Activated charcoal has been shown to deactivate **INDAZIFLAM G** if applied within several days of an application. Application of activated charcoal within 2 weeks after an application of **INDAZIFLAM G** will not reverse phytotoxic symptoms immediately but it will aid in recovery over time. If it should be necessary to re sod areas treated with **INDAZIFLAM G** remove damaged turf to a depth of at least 2 inches cultivate the soil, and apply activated charcoal to bare ground prior to laying sod. 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 or hand shaker 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. Follow instructions in the table below for proper calibration of equipment. Avoid skips for the best weed control and overlapping application patterns to avoid turf injury.

#### CALIBRATION SETTINGS FOR COMMONLY USED SPREADERS

#### HOW TO CALIBRATE SPREADERS FOR APPLICATION OF INDAZIFLAM G

The spreader settings provided are accurate for the product samples tested. Results obtained by users may vary due to spreader model variables spreader calibration differences granular product production operator induced variables such as walking speed and handle height, and also by environmental factors such as air temperature and relative humidity. The settings provided below are recommended as a starting point for accurate calibration.

| INDAZIFLAM G Rate (Ibs/acre)  |          |      |  |
|---|----------|------|--|
| Rotary Spreaders  | 150      | 200  |  |
| Scotts Rotary   | <u> </u> | J    |  |
| Lesco Rotary  | C 5      | D 5  |  |
| Spyker 288  | 3        | 3 5  |  |
| Drop Spreaders  | 150      | 200  |  |
| Lesco Drop  | 3 25     | 3 5  |  |
| Handheld Spreaders * Calibration run in traditional calibration trays | 150      | 200  |  |
| Solo 421 S  | 3 25     | 4 5  |  |
| Earthway Ev N   | 10 5     | 12   |  |
| Warren T 7  | 5 5      | 6    |  |
| Spyker  | 3        | 3 5  |  |
| Handheld Spreaders ** Calibration run in round ornamental containers  | 150      | 200  |  |
| Solo 421 S  | 3        | 3 5  |  |
| Earthway Ev N   | 8        | 9    |  |
| Warren T 7  | 3 5      | 4    |  |
| Spyker  | 2 75     | 3 25 |  |
| Tractor Mount Spreaders   | 150      | 200  |  |
| Vicon   | 16       | 20   |  |
| Lely  | 4 75     | 5 5  |  |

#### IRRIGATION AND WATERING AFTER APPLICATION

To activate INDAZIFLAM G for maximum herbicidal benefit irrigate within 2 days after application to turf ornamentals or other uses to move the herbicide into the soil. With dry soil use 0.25 inch of irrigation water, and with soil at or greater than field capacity, reduce the amount of irrigation water. In either case, do not create conditions that cause visible run off of irrigation water. Adequate rainfall following an application will negate the need for irrigation. For application to ornamentals over the top, irrigate within 1 hour to wash granules from the leaf surface and activate the product in the soil.

#### **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 G controls weeds by inhibiting cellulose biosynthesis INDAZIFLAM G is classified as a Group 29 herbicide. No known resistance to INDAZIFLAM G exists and there are no known instances of cross resistance between INDAZIFLAM G and other classes of herbicides with other modes of action. Performance of INDAZIFLAM G is not affected by the presence of biotypes resistant to glyphosate triazines ALS inhibitors mitotic inhibitors growth regulators or herbicides with other modes of action.

Prolonged use of any herbicide with the same mode of action may lead to selection of resistant weed populations and a reduction in efficacy. Rotation of herbicides with an alternate mode of action can help prevent the development and spread of resistant weed populations. If resistance to **INDAZIFLAM G** is suspected use a herbicide with an alternate mode of action

The decision to use any particular herbicide should be based on an IPM program and all cultural practices and other pesticides in use

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

#### USE RESTRICTIONS FOR INDAZIFLAM G ON TURF

- Do not apply INDAZIFLAM G to newly seeded turf Established turf is defined as turf at least 16 months after seeding or sprigging
- Do not apply to golf course greens tees or collars
- Do not verticut within 1 month before or after an application of INDAZIFLAM G

Do not apply to turf that is showing significant signs of stress including 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 and drought. Application of INDAZIFLAM G in these situations may delay turf recovery

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

Do not apply INDAZIFLAM G to weakened turf that requires significant fill in or recovery INDAZIFLAM G controls weeds by inhibiting root development. Newly developing roots of desirable turf may be affected. Factors both biotic and abiotic that weaken turf include winterkill spring dead spot transitioning ryegrass. Bermudagrass spring root decline soil compaction foliar and root diseases nematodes salt accumulation shade excessive foot traffic and drought Application of INDAZIFLAM G to turf in these situations may delay turf recovery. INDAZIFLAM G may also be used on dormant turf. The user should assess the condition of turf prior to dormancy and determine whether an application of INDAZIFLAM G is appropriate.

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**

INDAZIFLAM G can be used on the following turf types

#### Warm season turfgrasses and their cultivars

Bermudagrass (Cynodon dactylon) (and hybrids) Baby Celebration Common Floratex GN1 Tifsport Tifton 10 Tifway 419 Princess Vamont Riviera Yukon

Zoysiagrass (Zoysia spp ) Cavalier Crowne DeAnza El Toro Empire GNZ Jamar Meyer Palisades Zenith Zeon

Centipedegrass (Eremochloa ophiuroides) Tifblair

St Augustinegrass (Stenotaphrum secundatum) Captiva Floratam Floratine Palmetto Raleigh

Buffalograss (Buchloe dactyloides)

Bahiagrass (Paspalum notatum)

Application of **INDAZIFLAM G** may temporarily inhibit the rooting of stolons of bermudagrass centipedegrass and St Augustinegrass Common or off type Bermudagrass may show increased sensitivity to **INDAZIFLAM G** compared to hybrids. Use lower application rates as indicated in the table below

Before making a large scale application to other cultivars treat a small area of turf with INDAZIFLAM G and allow four weeks to assess acceptable turf, tolerance

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

| │ Turf Type                 | INDAZIFLAM G Rate (Ibs/acre) |
|-----------------------------|------------------------------|
| Bermudagrass (Hybrids)      | 200                          |
| Bermudagrass (Common types) | 125                          |
| Zoysiagrass                 | 200                          |
| Buffalograss                | 200                          |
| Bahıagrass <sup>l</sup>     | 200                          |
| St Augustinegrass           | 100                          |
| Centipedegrass              | 100                          |

**INDAZIFLAM G** may cause unacceptable injury to some turf types on the following turf types or on turf that is a mixture containing any of these grasses unless thinning or removal is desired

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)

Kıkuyuqrass (Pennisetum clandestinum)

Perennial ryegrass (Lolium perenne)

Annual ryegrass (Lolium multiflorum)

Kentucky bluegrass (Poa pratensis)

Seashore paspalum (Paspalum vaginatum)

Bermudagrass (Cynodon dactylon) Common variety Ormond

#### PRECAUTIONS FOR USE OF INDAZIFLAM G NEAR SENSITIVE GRASSES

<u>CAUTION</u> INDAZIFLAM G can cause turf injury and stand reduction to sensitive grasses listed in the Turf Tolerance section of this label

INDAZIFLAM G may affect sensitive grasses downslope from treated areas after excessive rainfall. To minimize off target effects of INDAZIFLAM G on sensitive grasses irrigate after application as directed in the IRRIGATION AND WATERING AFTER APPLICATION section of this label and follow the directions below for specific situations

Allow turf to dry before allowing foot traffic or equipment through treated areas near sensitive grasses to avoid tracking

#### PRECAUTIONS AROUND GREENS CONTAINING COOL SEASON GRASSES

For applications of **INDAZIFLAM G** adjacent to bentgrass greens and Bermudagrass greens overseeded with roughstalk biuegrass (*Poa trivialis*) or other cool season grasses follow the precautions above and provide an untreated buffer zone of at least 15 ft

Do not apply **INDAZIFLAM G** on uphill slopes adjacent to bentgrass or Bermudagrass greens overseeded with cool season grasses such as *Poa trivialis* 

#### PRECAUTIONS FOR BERMUDAGRASS OVERSEEDED WITH RYEGRASS

**Do not apply INDAZIFLAM G** on annual and perennial ryegrass or on Bermudagrass overseeded with ryegrass Provide an untreated buffer zone of at least **15 ft** between overseeded Bermudagrass and treated areas

#### PRECAUTIONS FOR USE NEXT TO OTHER SENSITIVE GRASSES

INDAZIFLAM G may be applied in situations where warm season grasses are adjacent to sensitive grasses such as tall fescue and perennial ryegrass. The applicator however must take care not to apply INDAZIFLAM G directly to sensitive grasses or injury may occur. Cool season grasses must be established at least 16 months prior to an application of INDAZIFLAM G on an adjacent warm season grass. Maintain an untreated buffer of 15 feet between sensitive grasses and treated areas.

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

The desired rate of INDAZIFLAM G for each application and the interval between applications depends on the turfgrass being treated the weeds to be controlled and local conditions such as soil texture. Applications of INDAZIFLAM G are made in any season prior to weed germination. Depending on local conditions and weed control desired, sequential applications of INDAZIFLAM G may be made in a calendar year.

The initial application of **INDAZIFLAM G** must be 100 200 lbs of product per acre. Use higher rates within the rate range if weed pressure is expected to be high or when longer residual control is desired. The optimum single rate for each weed at a particular use site may be affected by previous practices including history of herbicide use, moving height turf density, and turf health.

Soil texture influences the best use rate for **INDAZIFLAM G** Use lower rates in coarse or sandy soils. In fine soils or in soils containing high amounts of organic matter higher use rates of **INDAZIFLAM G** may be used. The table below provides guidelines for appropriate rates.

#### SINGLE APPLICATION PROGRAM FOR INDAZIFLAM G\*

| Target Weed               | INDAZIFLAM G Rate (lbs/acre) |  |
|---------------------------|------------------------------|--|
| Crabgrass                 |                              |  |
| Goosegrass                | 100 200                      |  |
| Annual Bluegrass          | 100 200                      |  |
| Broadleaf weeds           |                              |  |
| Annual sedge and kyllinga | 200                          |  |

Use higher use rates within the rate range for each target weed when a site has historically higher weed pressure. Also use higher rates on fine textured soils and lower rates on medium and coarse textured soils.

The maximum single application on turf is 200 lbs per acre. Do not exceed 400 lbs of INDAZIFLAM G per acre in a 12 month period

Split or multiple 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 and to control other weeds emerging during the same or overlapping period Depending on the weed pest (see table below) make follow up applications within 30 90 days after the initial application. The total amount of **INDAZIFLAM G** applied in a calendar year must not exceed 400 lbs of product per acre

#### SPLIT APPLICATION PROGRAM FOR INDAZIFLAM G

#### Use rate for Split Applications of INDAZIFLAM G

| Target Weed      | Rate Range (lbs/acre) for INDAZIFLAM G (initial application) | Rate Range (lbs/acre) for INDAZIFLAM G (follow up application within 45 90 days) |
|------------------|--|--|
| Crabgrass        | 100 200  | 100 200  |
| Goosegrass       |  |  |
| Annual Bluegrass |  |  |
| Broadleaf weeds  | 100 200  | 100 200  |
| Annual sedge and | 200  | 125 200  |
| kyllinga         |  |  |

#### MULTIPLE APPLICATION PROGRAM FOR INDAZIFLAM G

#### Use Rates for Multiple Applications of INDAZIFLAM G

| Target Weed | Rate Range            | Rate Range (lbs/       | Rate Range             |
|-------------|-----------------------|------------------------|------------------------|
|             | (lbs/acre) for        | acre) for              | (lbs/acre) for         |
|             | INDAZIFLAM G          | INDÁZIFLAM G           | INDAZIFLAM G           |
|             | (initial application) | (follow up application | (follow up application |
|             |                       | within 30 45 days)     | within 30 45 days)     |
| Crabgrass   | 100                   | 100                    | 100                    |
| Goosegrass  |                       |                        |                        |

#### **CRABGRASS CONTROL**

For pre emergent activity **INDAZIFLAM G** is not effective until activated by rainfall or irrigation **INDAZIFLAM G** applied to crabgrass that has emerged will not provide crabgrass control

#### **GOOSEGRASS CONTROL**

INDAZIFLAM G provides preemergent control of goosegrass emerging from seed 
For pre emergent activity INDAZIFLAM G is not effective until activated by rainfall or irrigation 
INDAZIFLAM G does not control perennial (continual growth) goosegrass or plants emerging from existing crowns If goosegrass is evident at time of application use a labeled post emergent herbicide for control of existing plants

#### **ANNUAL BLUEGRASS CONTROL**

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

#### 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. **INDAZIFLAM G** must be activated by rainfall or irrigation prior to germination. Large seeded broadleaf weeds or weeds germinating deeper than several inches 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 sedges and kyllinga (green kyllinga) or sedges emerging from tubers (nutlets) including vellow and purple nutsedge

## Weeds Controlled or Suppressed by INDAZIFLAM G\*\*

| Broadleaf Weeds            | 2-4                   |  |
|----------------------------|-----------------------|--|
| American black nightshade  | Solanum americanum    |  |
| Bittercress                | Cardamine sp          |  |
| Black medic                | Medicago lupulina     |  |
| Buckweat wild              | Polygonum convolvulus |  |
| California burclover       | Medicago polymorpha   |  |
| Canada thistle Common      | Circium arvense       |  |
| Chickweed Common           | Stellarıa media       |  |
| Chickweed Mouse ear        | Cerastium vulgatum    |  |
| Clover White               | Trıfolium repens      |  |
| Corn speedwell             | Veronica arvensis     |  |
| Cudweed Linear leaf/purple | Gnaphalium purpureum  |  |
| Curly dock                 | Rumex crispus         |  |
| Dandelion Cat's ear        | Hypochoeris radicata  |  |
| Dandelion common           | Taraxacum officinale  |  |
| Eclipta                    | Eclipta alba          |  |
| Evening primrose Common    | Oenothera biennis     |  |
| Evening primrose Cutleaf   | Oenothera lacınıata   |  |
| False chamomile            | Matricaria maritima   |  |
| Filaree Redstem            | Erodium cicutarium    |  |
| Florida pusley             | Richardia scabra      |  |
| Groundsel Common           | Senecio vulgaris      |  |
| Hairy fleabane             | Erigeron bonariensis  |  |
| Hairy nightshade           | Solanum sarrachoides  |  |
| Henbit                     | Lamium amplexicaule   |  |
| Horseweed/ Marestail       | Conyza canadensis     |  |
| Kochia                     | Kochia scoparia       |  |
| Lambsquarters Common       | Chenopodium album     |  |
| Lawn burweed               | Soliva sessilis       |  |
| Little mallow              | Malva parviflora      |  |

| London rocket                     | Sısymbrium irio          |  |
|-----------------------------------|--------------------------|--|
| Longstalked phyllanthus           | Phyllanthus tenellus     |  |
| Mulberry weed                     | Fatoua villosa           |  |
| Mustard Black                     | Brassica nigra           |  |
| Mustard Wild                      | Sinapis arvensis         |  |
| Parthenium                        | Parthenium hysterophorus |  |
| Pigweed Prostrate                 | Amaranthus blitoides     |  |
| Pigweed Redroot                   | Amaranthus retroflexus   |  |
| Plantain Buckhorn                 | Plantago lanceolata      |  |
| Plantain Paleseed                 | Plantago virginica       |  |
| Prostrate knotweed                | Polygonum aviculare      |  |
| Prostrate spurge                  | Euphorbia maculata       |  |
| Puncturevine                      | Trıbulus terrestrıs      |  |
| Purslane Common                   | Portulaca oleracea       |  |
| Ragweed Common                    | Ambrosia artemisiifolia  |  |
| Spurge Spotted                    | Euphorbia maculata       |  |
| Tassel flower                     | Emilia sonchifolia       |  |
| Redmaids                          | Calandrinia caulescens   |  |
| Sesbania Hemp                     | Sesbania exaltata        |  |
| Shepherd s purse                  | Capsella bursa pastoris  |  |
| Sida Prickly/Teaweed              | Sıda spınosa             |  |
| Southern brassbuttons             | Cotula australis         |  |
| Sowthistle Annual                 | Sonchus oleraceus        |  |
| Sunflower Common                  | Helianthus annuus        |  |
| Swinecress                        | Coronopus didymus        |  |
| Tropic ageratum                   | Ageratum conyzoides      |  |
| Velvetleaf*                       | Abutilon theophrasti     |  |
| Vetch Purple                      | Vicia benghalensis       |  |
| Wild carrot                       | Daucus carota            |  |
| Willowherb Epilobium brachycarpur |                          |  |
| Woodsorrel Yellow                 | Oxalis stricta           |  |
| Woodsorrel/Oxalis                 | Oxalis sp                |  |

## GRASSES MONOCOTS AND SEDGES

| Annual bluegrass/ Poa<br>Annual kylinga     | Poa annua<br>Cyperus sesquiflorus |  |
|---|-----------------------------------|--|
| Barnyardgrass Common                        | Echinochloa crus galli            |  |
| Cheatgrass                                  | Bromus secalinus                  |  |
| Crabgrass                                   | Digitaria sp                      |  |
| Crabgrass Henry                             | Digitaria ciliaris                |  |
| Crabgrass Large/Hairy Digitaria sanguinalis |                                   |  |
| Crabgrass Smooth                            | Digitaria ischaemum               |  |
| Doveweed                                    | Murdannia nudiflora               |  |
| Foxtail brome                               | Bromus rubens                     |  |
| Foxtail Giant                               | Setarıa faberı                    |  |
| Foxtail Green                               | Setaria viridis                   |  |
| Foxtail Yellow                              | Pennisetum glaucum                |  |
| Goosegrass                                  | Eleusine indica                   |  |
| Guineagrass                                 | Panicum maximum                   |  |

| Kyllınga Fraqrant/Annual | Kyllınga odorata      |  |
|--------------------------|-----------------------|--|
| Mouse barley             | Hordeum murinum       |  |
| Nutsedge Purple          | Cyperus rotundus      |  |
| Nutsedge Yellow          | Cyperus esculentus    |  |
| Rice flatsedge           | Cyperus ırıa          |  |
| Ryegrass Italian         | Lolium multiflorum    |  |
| Ryegrass Perennial       | Lolium perenne        |  |
| Sandbur                  | Cenchrus longispinus  |  |
| Sedge Annual             | Cyperus spp           |  |
| Tufted lovegrass         | Eragrostis pectinacea |  |

Weeds suppressed by INDAZIFLAM G

Higher labeled rates should be used 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 multiple applications of **INDAZIFLAM G**. Do not exceed a total of 400 lbs of product per acre per year with multiple applications.

**INDAZIFLAM G** only controls sedges and kyllinga emerging from seed. It does not control perennial sedge emerging from nutlets or perennial forms of kyllinga.

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

#### SEEDING RE SEEDING AND OVERSEEDING

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

Application of INDAZIFLAM G prior to overseeding bermudagrass with perennial ryegrass or reseeding into warm season turf

INDAZIFLAM G may be used to control weeds in bermudagrass prior to overseeding with a cool season grass or re seeding seeded cultivars of bermudagrass provided that the interval between application and seeding is appropriate (See INTERVAL BETWEEN APPLICATION OF INDAZIFLAM G AND SEEDING OR OVERSEEDING table below) Overseeding and re seeding intervals are affected by the rate of INDAZIFLAM G applied rainfall in a given year and soil texture. Applications made sooner than the suggested intervals may decrease the establishment of the new seedlings and reduce turf coverage.

| TERVAL BETWEEN APPLICATION OF INDAZIFLAM G AND SEEDING OR OVERSEEDING |           |  |
|---|-----------|--|
| RATE OF INDAZIFLAM G (Pounds per acre)  MINIMUM OVERSEEDING INTERVAL  |           |  |
| 100 125   | 10 months |  |
| 125 200   | 12 months |  |

#### WARM SEASON GRASSES ESTABLISHED WITH SPRIGS

**INDAZIFLAM G** may be applied to sprigged warm season turf. The sprigs need to be well rooted prior to application. Apply the herbicide no sooner than sixteen16 months after sprigging to allow for good stand establishment. Prior to application, check rooting to make sure new roots are developing. If roots are not growing delay application of **INDAZIFLAM G**.

#### **SODDING WARM SEASON GRASSES**

Delay sodding into bareground or turf treated with **INDAZIFLAM G** until 6 months after application. Sodding before 6 months may inhibit stand establishment and reduce turf quality. For maximum establishment of sod follow the directions for the use of activated charcoal prior to laying sod.

Delay the application of **INDAZIFLAM G** if sod is not established. Sod needs to be established at least 3 months prior to an application of **INDAZIFLAM G**.

#### ORNAMENTALS

INDAZIFLAM G may be applied for pre emergent weed control in landscape ornamentals production ornamentals in outdoor nurseries shadehouses and hoophouses. 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. If the grower is uncertain about ornamental establishment after transplanting, wait 2 months before applying INDAZIFLAM G

## USE RESTRICTIONS FOR INDAZIFLAM G ON LANDSCAPE AND PRODUCTION ORNAMENTALS

Do not exceed the maximum single application rates specified under each ornamental use

Do not exceed a total of 400 lbs of INDAZIFLAM G per acre in a 12 month period

Do not allow granules applied over the top to remain in contact with foliage INDAZIFLAM G may cause localized injury to the foliage especially young leaf tissue. If the granules should be in contact with the foliage after an application wash off affected foliage immediately.

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 around bedding plants (including annuals and herbaceous plants not specified or 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 within the dripline of 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 trees or vines unless they are at least 1 year old (citrus) and 3 years old (all others)

Do not mix INDAZIFLAM G into the soil or potting mix. Mixing INDAZIFLAM G into the potting mix may inhibit developing roots

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 ornamental bulbs in production fields landscapes commercial fields or residential sites while they are emerging or after they have emerged

Do not apply **INDAZIFLAM G** to herbaceous perennials on this label (e.g. daylily or hosta) while they are emerging or after they have emerged

Do not apply INDAZIFLAM G over the top of a deciduous ornamental at bud break

Do not apply INDAZIFLAM G to unhealed budded grafts or other types of grafts

#### LANDSCAPE ORNAMENTAL USES

INDAZIFLAM G may be used in residential commercial state and local plantings of ornamentals for preemergent weed control INDAZIFLAM G should be applied 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. Light irrigation or rainfall will help to settle the soil and seal surface cracks. For best results, remove existing mulch and replace mulch after an application of INDAZIFLAM G should contact foliage brush or wash off to avoid damage. Tender annuals and herbaceous perennials may be sensitive to INDAZIFLAM G. Applications of INDAZIFLAM G should only be made to ornamentals listed on this label.

#### AMOUNT TO USE Apply INDAZIFLAM G at 100 200 lbs of product per acre around ornamentals

To activate INDAZIFLAM G for maximum herbicidal benefit irrigate the area treated with INDAZIFLAM G to move the herbicide into the soil within several days after application. With dry soil use 0.25 inches of irrigation water, and with soil at or greater than field capacity, the amount of irrigation water should be reduced. In either case, do not create conditions that cause visible run off of irrigation water. Adequate rainfall following an application will negate the need for irrigation.

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 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 For best results remove existing mulch and replace mulch after an application of INDAZIFLAM G

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#### PRODUCTION ORNAMENTAL USES

#### IN GROUND

INDAZIFLAM G provides 3 8 months of weed control with a single application. The exact length of control depends on many environmental, factors as well as the weeds to be controlled and weed pressure. INDAZIFLAM G may be applied to the soil surface around established field or container grown deciduous and evergreen plants. To avoid root damage, do not apply INDAZIFLAM G until 2 months after transplanting bare rooted stock and make sure that soil is well settled around the root area. If transplanting potted plants or balled and burlapped ornamental stock, apply INDAZIFLAM G after the soil is well settled. Overhead irrigation or rainfall will help to settle the soil and seal surface cracks.

Application of **INDAZIFLAM G** can be made around dormant or actively growing plants. If applied after dormancy care should be taken not to contact expanding buds or new leaves. Do not apply to trees that are less than one year old or have been transplanted less than one year unless completely protected by non-porous wraps, grow tubes, waxed protectors or other forms of protection to young foliage and/or bark. Applications of **INDAZIFLAM G** should only be made to ornamentals listed on this label. **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. A follow up application may be made if the total applied per year is less than 400 lbs of **INDAZIFLAM G** per acre.

Planting into soil treated with INDAZIFLAM G should be delayed for 3 months to allow for dissipation of the product

AMOUNT TO USE Apply INDAZIFLAM G to the soil around ornamentals at 100 200 lbs of INDAZIFLAM G per acre

#### CONTAINER

INDAZIFLAM G may be applied as a single or in sequential applications over the top to container grown deciduous and evergreen trees and shrubs with an established root system. Application of INDAZIFLAM G to deciduous foliage or green bark may result in unacceptable injury. 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. Ornamentals should be established in the container for at least 6 weeks and plants should be at least 5 inches tall prior to applying INDAZIFLAM G

Remove granules from the leaves immediately after application. Examine plants to make sure that granules that may have adhered to foliage have been removed. If granules remain on the leaves plant injury may occur. If irrigating do not create conditions that cause visible run off of irrigation water.

#### SYMPTOMS OF INDAZIFLAM G INJURY ON ORNAMENTALS

INDAZIFLAM G may injure sensitive ornamentals by damaging roots or leaves. Plants damaged by root uptake 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.

#### APPLICATION OF INDAZIFLAM G ON HERBACEOUS PLANTS

INDAZIFLAM IG may injure many annuals perennials and foliage plants. The product should not be applied to these plants unless they are listed on this label as tolerant.

#### APPLICATION of INDAZIFLAM G TO ORNAMENTALS IN INDIVIDUAL CONTAINERS

Make sure that granules are evenly distributed on the soil surface
For example to apply **INDAZIFLAM G** at a use rate of 200 lbs of product per acre spread 0.34 grams into a 6 inch pot. Use
proportionately higher rates for larger pots

## ORNAMENTALS AND THEIR CULTIVARS TOLERANT TO INDAZIFLAM G

Tolerant ornamentals and their cultivars are listed in the following table. If a cultivar to be treated is not listed on this label, treat several plants of the cultivar at the single maximum use rate (200 lbs per acre) and evaluate 1.2 months later for possible injury and acceptable tolerance. If a plant type (designated by genus and species) is not listed on this label, do not apply INDAZIFLAM G. The user assumes responsibility for application on cultivars not listed in this table.

| Common Name                          | Scientific Name            | Cultivar                              | Container/Field<br>Grown/Remarks |
|--------------------------------------|----------------------------|---------------------------------------|----------------------------------|
| Abelia                               | Abelia grandiflora         | Little Richard Edward Goucher         | С                                |
| Arborvitae                           | Thuja sp                   | Green Glant                           | C FG                             |
| <u> </u>                             |                            |                                       |                                  |
| Asparagus fern                       | Asparagus plumosus         |                                       | С                                |
| Azalea I                             | Rhododendron sp            | Girard s Rose                         | C FG                             |
| Azalea                               | Nilododeliaioii sp         | Fashion                               | C 1 G                            |
|                                      |                            | VF 14                                 | C FG                             |
|                                      |                            | Golden Torch                          | C FG                             |
|                                      |                            | Judge Solomon                         | C FG                             |
| Azalea Encore                        | Rhododendron sp            | Autumn Debutante                      | C FG                             |
| Beautybush                           | Kolkwitzia amabilis        | , tataliii bobatailto                 | C                                |
| Big bluestem                         | Andropogon gerardii        |                                       | C                                |
| Black tupelo                         | Nyssa sylvatica            |                                       | FG                               |
| Bleeding Heart Vine                  | Clerodendrum thomsoniae    | Bleeding Heart                        | C                                |
| Bluebird                             | Caryopteris x clandonensis | Dark Knight                           | C                                |
| Bougainvillea                        | Bougainvillea              | Barbara Karst                         | C                                |
| Boxwood                              | Buxus microphylla          | Green Beauty                          | C                                |
| DOAWOOU                              | Buxus Inicropitylla        | Baby Gem                              |                                  |
| Butterfly bush                       | Buddleia                   | Nanho Blue                            | С                                |
| Camellia Japanese                    | Camellia japonica          | Margaret Heathcliff Pink              | Ċ                                |
| Camellia Little leaf                 | Camellia sasangua          | Cleopatra Pink                        | C                                |
| Cedar Atlantic white                 | Chamaecyparis thyoides     | Cleopatia Filik                       | Ċ                                |
|                                      | Cryptomeria japonica       | Black Dragon                          | C                                |
| Cedar Japanese                       | Стуриотела јаропіса        | Yoshino                               | 0                                |
| Cotoneaster                          | Cotoneaster                | Coral Beauty                          | С                                |
|                                      | Lagerstroemia indica       | Sarah s Favorite                      | C FG                             |
| Crape myrtle                         | Lagerstroetilla illuica    | Pocomoke Pink                         | C FG                             |
| Cypress false                        | Chamaecyparis sp           | Gold Mops                             | C                                |
| Cypress raise  Cypress mediterranean | Cupressus sempervirens     | Gold Wops                             | FG                               |
| Daphne Daphne                        | Daphne caucasica           | Summer Ice                            | C                                |
| Day lily (before unfurling)          | Hemerocallis sp            | Green Flutter                         | FG                               |
| Day illy (before unfurling)          | nemerocanis sp             | Stella d Oro                          | FG                               |
| Elm American                         | Ulmus americana            | Stella d Olo                          | FG                               |
|                                      | Leucothoe populifolia      |                                       | C                                |
| Florida pipestem                     | Forsythia                  | Lunyand Cold, Coldon Ball             | C                                |
| Forsythia                            | Gardenia radicans          | Lynwood Gold Golden Bell<br>Radicans  | C                                |
| Gardenia                             |                            |                                       | C                                |
| Gardenia                             | Gardenia jasminoides       | Mystery<br>Frostproof                 | C                                |
|                                      | Gaura lındheimeri          | Pink Fountain                         | C                                |
| Gaura                                |                            | · · · · · · · · · · · · · · · · · · · |                                  |
| Gold Dust Plant                      | Aucuba japonica            | Gold Dust                             | C                                |
| Green Ash                            | Fraxınus pennsylvanıca     | A                                     | FG                               |
| Hardy kıwı                           | Actinidia arguta           | Anna                                  | C                                |
| Hawaiian snowbush                    | Breynia disticha           | 0                                     | С                                |
| Hibiscus Chinese                     | Hibiscus rosa sinensis     | San Diego Red President Red           | С                                |
| Heath Aster                          | Aster erichoides           | Snow Flurry                           | С                                |
| Holly Chinese                        | llex cornuta               | Needlepoint Burdordii Nana            | С                                |
| Holly Gallberry                      | llex glabra                | Densa                                 | С                                |
| Holly Meservae                       | llex meserveae             | Blue Princess                         | С                                |
| Holly Sky pencil                     | llex sp                    | Sky Pencil                            | С                                |
| Hosta                                | Host sp                    |                                       | C Before emergence               |
| Indian hawthorn                      | Raphiolepis indica         | Pink Lady                             | С                                |
| Japanese cleyera                     | Ternstroemia gymnanthera   |                                       | С                                |
| Japanese mock orange                 | Pittosporum tobira         | Variegata                             | С                                |
| Jasmine Asiatic/Yellow Star          | Trachelospermum asiaticum  | Mınıma                                | С                                |
| Jasmine Winter                       | Jasminum nudiflorum        |                                       | C                                |
| Juniper Bar Harbour                  | Juniperus horizontalis     | Bar Harbour                           | С                                |
| Juniper Blue Pacific                 | Juniperus conferta         | Blue Pacific                          | С                                |

| Juniper Blue Rug               | Juniperus horizontalis   | Blue Rug                  | TC                 |
|--------------------------------|--------------------------|---------------------------|--------------------|
| Lantana                        | Lantana camara           | Landmark Sunrise Rose     | С                  |
| Lilac                          | Syrınga x Penda          | Bloomerang                | С                  |
| Loropetalum                    | Loropetalum chinense     | Burgundy Ruby Plum Purple | С                  |
| Maple Red                      | Acer rubrum              |                           | FG                 |
| Maple Sugar                    | Acer saccharum           |                           | FG                 |
| Mealycup sage                  | Salvia farinacea         | Victoria white            | С                  |
| Nandina                        | Nandina                  | Fırepower                 | С                  |
| Oleander                       | Nerium oleander          | Cardinal Red              | С                  |
| Passionvine                    | Passiflora coerulea      | Blue                      | С                  |
| Periwinke                      | Vinca minor              |                           | С                  |
| Pittosporum                    | Pittosporum tobira       | Variegata                 | С                  |
| Podocarpus                     | Podocarpus macrophyllus  |                           | С                  |
| Potentilla                     | Potentilla ffruticosa    | Goldfinger                | С                  |
| Rose                           | Rosa sp                  | Pink Knockout®            | С                  |
|                                |                          | Knockout®                 | C                  |
| Rose Virginia                  | Rosa virginiana          |                           | С                  |
| Rose mallow                    | Hibiscus moscheutos      |                           | С                  |
| Rose of Sharon                 | Hibiscus syriacus        | Pink Heart                | С                  |
| Russian olive                  | Elaeagnus angustifolia   |                           | С                  |
| Russian sage                   | Perovskia atriplicifolia |                           | С                  |
| Slender deutzia                | Deutzia gracilis         | Nikko                     | С                  |
| Snowberry common               | Sumphoricarpos albus     |                           | С                  |
| Sweet olive fragrant tea olive | Osmanthus fragrans       |                           | С                  |
| Switchgrass                    | Panicum virgatum         | Shenandoah                | С                  |
| Thin fruit sedge               | Carex flaccosperma       |                           | С                  |
| Verbena Homestead Purple       | Verbena                  | Homestead Purple          | C                  |
| Viburnum Burkwood              | Viburnum x burkwoodii    |                           | С                  |
| Viburnum Popcorn               | Viburnum plicatum        | Popcorn                   | C                  |
| Virginia sweetspire            | Itea virginica           |                           | С                  |
| Wax myrtle Southern            | Myrica cerifera          |                           | C Mature only      |
| Weigela Variegated             | Weigela variegata        |                           | C                  |
| Witchalder                     | Fothergilla gardenii     |                           | С                  |
| Yew podocarpus                 | Podocarpus macrophyllus  |                           | С                  |
| Zebra grass _                  | Miscanthus sinensis      |                           | C Not over the top |

### Do not use INDAZIFLAM G on any of these plants or their cultivars, injury will occur

| Common Name              | Scientific Name            |  |
|--------------------------|----------------------------|--|
| Astilbe                  | Astilbe chinensis          |  |
| Barberry                 | Berberis thunbergii        |  |
| Blue fescue grass        | Festuca glauca             |  |
| Columbine                | Aquilegia canadensis       |  |
| Coneflower               | Echinacea purpurea         |  |
| Croton                   | Codiaeum variegatum        |  |
| Dewdrops                 | Duranta erecta             |  |
| Dianthus                 | Dianthus sp                |  |
| Eulelia grass            | Miscanthus sinensis        |  |
| Euonymus Japanese        | Euonymus japonicus         |  |
| Feather reed grass       | Calamagrostis x acutiflora |  |
| Fountain grass           | Pennisetum alopecuroides   |  |
| Fountain grass Purple    | Pennisetum setaceum        |  |
| Hydrangea                | Hydrangea macrophylla      |  |
| Ixora                    | Ixora coccinea             |  |
| Lantana trailing         | Lantana montevidensis      |  |
| Lavender Munstead        | Lavandula angustifolia     |  |
| Lilyturf                 | Liriope sp                 |  |
| Muhlygrass               | Muhlenbergia capillaris    |  |
| Mandevilla               | Mandevilla sp              |  |
| Mint                     | Mentha sp                  |  |
| Mondo grass              | Ophiopogon japonicus       |  |
| Plumbago                 | Plumbago auriculata        |  |
| Privet Japanese          | Ligustrum japonicum        |  |
| Sage                     | Salvia spp                 |  |
| Spirea                   | Spiraea japonica           |  |
| Sweet viburnum           | Viburnum odoratissimum     |  |
| Pepperbush Summersweet   | Clethera alnıfolia         |  |
| Tickseed Dwarf mouse ear | Coreopsis auriculata       |  |

#### **NON-SELECTIVE USES**

#### **HARDSCAPES**

INDAZIFLAM G may be used to maintain bare ground in non crop areas. These include gravel areas procky/sandy areas found in desert climates and non paved paths on golf courses and in residential areas. For optimum weed control, remove all plant debris from the area to be treated. Irrigation or rainfall after application will provide maximum weed control. Apply 400 lbs of INDAZIFLAM G per acre for these uses.

Observe all restrictions and tolerances for applications of INDAZIFLAM G around ornamentals listed on this label

#### **ORNAMENTAL PRODUCTION FACILITIES**

**INDAZIFLAM G** may be used in ornamental production facilities on floors of greenhouses hoophouses lathe houses and shadehouses to provide bare ground and general weed control beneath benches and potted plants. Make applications to these sites during clean up sanitation and preparation prior to plant production. Apply 200 lbs of INDAZIFLAM G per acre for these uses

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. In production nurseries, containers or plants can be moved onto the treated ground bed area after it has been irrigated to activate the herbicide and the treated surface is allowed to dry. Apply 200 lbs of **INDAZIFLAM G** per acre for these uses.

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#### 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. Crop injury or ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

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#### **NET CONTENTS**

#### PRODUCED FOR



## Bayer Environmental Science

A Division of Bayer CropScience LP PO Box 12014 2 T W Alexander Drive Research Triangle Park NC 27709

INDAZIFLAM G Herbicide (Pending) 12/05/2011 Resubmitted 06/18/2012 Resubmitted 06/21/12

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