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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Danielle A Larochelle  
Registration Manager  
Nufarm Americas Inc  
4020 Aerial Center Parkway Suite 101  
Morrisville NC 27560

OCT - 4 2012

Subject Nufarm Iprodione SPC Fungicide  
EPA Reg No 228 684  
Your submission dated August 23 2012  
EPA Decision Number 469663

Dear Ms Larochelle

The amended label referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA) as amended is acceptable

One copy of the label stamped Accepted is enclosed for your records This label supersedes all labels previously accepted for this product Please submit one copy of the final printed label before the product is released for shipment If you have any questions please contact Heather Garvie by phone at 703 308 0034 or via email at [garvie.heather@epa.gov](mailto:garvie.heather@epa.gov)

Sincerely

Mary Waller  
Product Manager 21  
Fungicide Branch  
Registration Division (7505P)

Enclosure Stamped label Accepted

# Nufarm Iprodione SPC Fungicide

A broad spectrum fungicide for non-residential use on turf and ornamentals

### ACTIVE INGREDIENT

Iprodione 3 (3 5-dichlorophenyl) N (1 methylethyl) 2 4 dioxo 1  
imidazolidinecarboxamide

23.3%

### OTHER INGREDIENTS

76.7%

### TOTAL

100.0%

This product contains petroleum distillates  
Contains 2 lb Iprodione per gallon

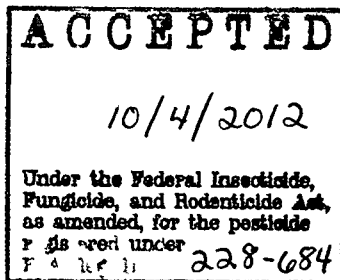
**KEEP OUT OF REACH OF CHILDREN**

## CAUTION / PRECAUCIÓN

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

See inside label booklet for **FIRST AID** and **PRECAUTIONARY STATEMENTS**

For Chemical Spill Leak Fire or Exposure Call CHEMTREC (800) 424 9300  
For Medical Emergencies Only Call (877) 325 1840



EPA REG NO 228 684  
EPA EST NO \_\_\_\_\_

MANUFACTURED FOR  
NUFARM AMERICAS INC  
150 HARVESTER DRIVE  
BURR RIDGE IL 60527



[Product of France or China  
Formulated in the U S A with  
U S and imported ingredients]

NET CONTENTS \_\_\_\_\_ (Gal ) ( \_\_\_\_\_ liters)

[Designation as **NONREFILLABLE** or **REFILLABLE** for containers > 5 GAL]

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION / PRECAUCION**

Harmful if swallowed Causes moderate eye irritation Wash thoroughly with soap and water after handling and before eating drinking chewing gum or using tobacco Avoid contact with eyes or clothing

<b>FIRST AID</b>	
<b>IF SWALLOWED</b>	Call a poison control center or doctor immediately for treatment advice Do not induce vomiting unless told to do so by a poison control center or doctor Do not give any liquid to the person Do not give anything to an unconscious person
<b>IF IN EYES</b>	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes Remove contact lenses if present after the first 5 minutes then continue rinsing eye Call a poison control center or doctor for treatment advice
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment You may also contact (877) 325 1840 for emergency medical treatment information	
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillates – vomiting may cause aspiration pneumonia	

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Mixers loaders others exposed to the concentrate cleaners/repairers of equipment and applicators applying as a dip treatment must wear**

- Long sleeved shirt and long pants
- Chemical resistant gloves made of barrier laminate nitrile rubber neoprene rubber or viton
- Chemical resistant apron
- Chemical resistant footwear plus socks

**Applicators using hand held equipment must wear**

- Coveralls over long sleeved shirt and long pants
- Chemical resistant gloves made of barrier laminate nitrile rubber neoprene rubber or viton
- Chemical resistant footwear plus socks
- Chemical resistant headgear for overhead exposure
- Dust/mist filtering respirator (NIOSH approved respirator with any R P or HE filter)

**Applicators using aircraft or mechanical ground equipment (groundboom airblast etc ) and flaggers for aerial applications must wear**

- Long sleeve shirt and long pants
- Shoes plus socks

**Applicators using truck mounted equipment with a handgun at the end of a hose (i.e. for commercial turfgrass or ornamental applications) and all other handlers not specified above must wear**

- Long sleeved shirt and long pants
- Chemical resistant gloves made of barrier laminate nitrile rubber neoprene rubber or viton
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE If no instructions for washables exist use detergent and hot water Keep and wash PPE separately from other laundry

Discard clothing or other materials that have been drenched or heavily contaminated with this product's concentrate Do not reuse them

**ENGINEERING CONTROLS**

When handlers use closed systems enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170 240(d)(4 6)] the handler PPE requirements may be reduced or modified as specified in the WPS

**USER SAFETY RECOMMENDATIONS**

**Users should**

- Wash hands before eating drinking chewing gum using tobacco or using the toilet
- Remove clothing/PPE immediately if pesticide gets inside Then wash thoroughly and put on clean clothing
- Remove PPE immediately after handling this product Wash the outside of gloves before removing As soon as possible wash thoroughly and change into clean clothing

**ENVIRONMENTAL HAZARDS**

This chemical can contaminate surface water through aerial and ground spray applications Under some conditions it may also have a high potential for runoff into surface water after application These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters frequently flooded areas areas overlaying extremely shallow ground water areas with in field canals or ditches that drain to surface water areas not separated from adjacent surface waters with vegetated filter strips and areas overlaying tile drainage systems that drain to surface water

This pesticide is toxic to invertebrates Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark Drift or runoff from treated areas is hazardous to aquatic invertebrates in neighboring areas Do not contaminate water when disposing of equipment washwater or rinsate

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling Read the entire label before using this product Do not apply this product in a way that will contact workers or other persons either directly or indirectly or through drift Only protected handlers may be in the area during application For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation

**AGRICULTURAL USE REQUIREMENTS**

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours for ornamental uses The restricted entry interval for all other WPS uses is 24 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

Chemical resistant gloves such as barrier laminate nitrile rubber ≥ 14 mils neoprene rubber ≥ 14 mils or viton ≥ 14 mils

Shoes and socks

**NON AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to ornamental and turf uses (golf courses landscape and institutional areas) of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170) The WPS applies when this product is used to produce agricultural plants on farms forests nurseries or greenhouses

Do not enter or allow others to enter the treated area until sprays have dried

## PRODUCT INFORMATION

This product is a broad spectrum fungicide that is applied as either a foliar spray drench or dip and controls turfgrass diseases in non residential sites such as golf courses sod farms and institutional areas where fine turf is grown as well as a wide range of ornamental flowering and foliage plants in field landscape nurseries greenhouses and conifer nursery sites This product is effective in controlling the following diseases

### Spring Summer and Fall Turf Diseases

- Anthracnose (suppression only)
- Brown Patch
- Corticum Red Thread
- Curvularia
- Dollar Spot
- Fusarium Blight
- Large Patch
- Leaf Spots like Helminthosporium Leaf Spot caused by *Dreschlera* spp Pathogens
- Necrotic Ring Spot

### Winter Turf Diseases

- Fusarium patch (Pink snow mold)
- Gray snow mold

### Ornamental and Nursery Diseases

- Aerial web blight
- Alternaria leaf blight
- Alternaria leaf spot
- Blossom blight
- Botrytis blight
- Botrytis storage rot
- Cylindrocladium blight and wilt
- Daffodil leaf scorch
- Fusarium corn rot
- Fusarium leaf spot
- Helminthosporium leaf spot
- Ink spot
- Ray blight
- Rhizoctonia stem and root rot
- Tulip fire

## USE PRECAUTIONS AND RESTRICTIONS

- For best results be sure to follow all the precautions limitations and instructions in this label
- Use of this product at residential sites is prohibited
- Except for use on golf courses if applying this product adjacent to a water body such as a lake reservoir river permanent stream marsh or natural pond estuary or commercial fish pond there must be at least a 25 foot vegetative buffer strip between the water body and the point of application
- For golf courses only do not apply to turf cut higher than 1 on golf holes where water bodies are present
- Do not apply this product when the wind direction is toward aquatic areas

## PRODUCT APPLICATION GUIDELINES

- Apply the rates indicated in the following sections of the label in 0.5 to 10 gallons of water per 1 000 square feet
- Do not drench the foliage to the point of runoff
- Product breakdown could occur if the spray mixture is allowed to stand for more than 12 hours
- Maintain agitation during spray operations
- Always apply using a properly calibrated sprayer

## TURF

### APPLICATION INSTRUCTIONS FOR TURF

Unless otherwise noted make applications when the disease first appears or when conditions favor disease development

Under severe conditions use the higher rate and/or shorter interval of applications for all diseases When disease pressure is light to moderate use the lower rates and longer intervals

**USE PRECAUTIONS**

- DO NOT apply more than 35 fl oz of this product per 1 000 square feet per year (24 lb a.i. per acre)
- DO NOT make more than 6 applications to a single site per year
- DO NOT mix with any sticker extender or wetting agent
- DO NOT mow or irrigate treated areas until the foliage is completely dry Wait 24 hours following treatment
- DO NOT graze animals on treated turf and do not feed clippings from treated turf to livestock or poultry

TARGET PEST	RATE (fl oz / 1000 sq ft)	APPLICATION INTERVAL
<b>Dollar spot</b> ( <i>Lanzia spp</i> and <i>Moellerodiscus spp</i> )	3 to 4	<b>Greens and Tees</b> Repeat at 14 to 21 day intervals as long as required
<b>Brown patch</b> ( <i>Rhizoctonia solani</i> )	For dollar spot control on fairways use 2 to 4	<b>Fairways and Other Turf Areas</b> Repeat at 14 to 28 day intervals as long as required
<b>Leaf spot such as helminthosporium</b> <b>Leaf spot caused by Drechslera spp</b>		
<b>Large patch †</b> ( <i>Rhizoctonia solani</i> )	4	Make first application in fall when conditions are favorable for disease development but no symptoms are visible Repeat applications every 14 to 21 days in spring as needed
<b>Fusarium blight</b> ( <i>Fusarium spp</i> )	8	Use only preventative foliar applications when conditions first become favorable for disease development Make additional applications at 28 day intervals as necessary
<b>Necrotic ring spot †</b> ( <i>Leptosphaeria korrae</i> )		
<b>Fusarium patch</b> ( <i>Microdochium nivale</i> ) [Pacific Northwest Only – West of the Cascade Mountains]	4 to 8	Repeat at 14 to 21 day intervals as long as required
<b>Gray snow mold</b> ( <i>Typhula spp</i> )	4 to 8 (See tank mixes for additional information)	Make one application before first permanent snow cover and a second during a mid winter thaw
<b>Pink snow mold</b> ( <i>Fusarium nivale</i> )		
<b>Corticium red thread</b> ( <i>Laetisana fuciformis</i> )	4	Apply every 14 days as required for prevention
<b>Curvularia</b> ( <i>Curvularia spp</i> ) on Bermudagrass only	4 to 8	Apply every 14 days as required for prevention
<b>Anthracoise</b> ( <i>Colletotrichum</i> ) NOTE suppression only	4 to 8	Combine this product with appropriately labeled and registered trifloxystrobin or fosetyl al products or other anthracnose control fungicides
<b>Pythium blight</b>	See tank mixes below	

† Not registered for use in California

**TANK MIXTURES FOR TURF APPLICATIONS**

To expand the spectrum of pests controlled tank mix this product with most commonly used fungicides containing flutolanil trifloxystrobin and azoxystrobin When tank mixing products be sure to follow the most restrictive instructions Do not tank mix with any product that contains a prohibition on tank mixing

**Broad Spectrum Disease Control and Resistance Management**

Tank mixing this product with Nufarm T Methyl SPC 4 5 F Fungicide provides effective broad spectrum turf disease control and also serves as a useful tank mixture in the resistance management program required for other resistance sensitive fungicides

Disease Pressure	Product Rates	
	Nufarm Iprodione SPC Fungicide	Nufarm T Methyl SPC 4 5 F Fungicide
Low to Medium	3 fl oz/1000 ft <sup>2</sup>	1 0 fl oz/1000 ft <sup>2</sup>
High	3 fl oz/1000 ft <sup>2</sup>	2 0 fl oz/1000 ft <sup>2</sup>

**Summer Stress Complex/Summer Decline**

Mix 2 to 4 oz of this product with 4 to 8 oz of an appropriately labeled and registered phosphorous acid containing product per 1000 square feet

**Pythium Blight**

Pythium blight will be controlled by a tank mix of this product and a phosphorous acid or propamocarb hydrochloride fungicide. If using a tank mixture follow label directions for the use of that product and apply at the rate specified for control of the target disease organism

**Gray Snow Mold**

In areas where continuous snow cover occurs use 4 to 8 fl oz of this product per 1000 ft<sup>2</sup> tank mixed with an appropriately labeled and registered chlorothalonil or pentachloronitrobenzene (PCNB) product at the labeled rate. Make applications in the fall before snow cover occurs and use the higher rates listed if the turf remains frozen prior to snow cover. Apply with 1 to 5 gallons of spray solution per 1 000 square feet. For best results reapply if loss of snow cover occurs during a winter thaw

## ORNAMENTALS

**Not for use in residential areas**

**For Use on Field Landscape Nursery and Greenhouse Ornamentals and in Conifer Nurseries**

This product is a broad spectrum fungicide that may be applied safely to a wide range of ornamental flowering and foliage plants either as a foliar spray drench or dip. Read specific instructions carefully and use only as directed.

The ornamentals listed below have been tested and found to be tolerant to this product. As it is not possible to test every species or variety of ornamental plant for tolerance, the user should test for phytotoxic responses in plants not listed in this label prior to widespread application.

This product has been tested on the following ornamentals:

Ageratum	Ajuga	Almond (ornamental)	Alyssum
Andromeda	Aphelandra	Artemisia	Aster
Azalea	Boxwood	Cactus	Calendula
Carnation	Cherry (ornamental)	Chrysanthemum	Cineraria
Cistena Plum	Coleus	Columbine	Coral Bells (Heuchera)
Crape Myrtle	Crassula	Croton	Cyclamen
Daffodils	Dahlia	Delphinium	Deutzia
Dianthus	Dieffenbachia	Dizygotheca	Dogwood
Dracena	English Ivy	Episcia	Euonymous
Ficus	Forsythia	Gazania	Geranium
Gladiolus	Gloxinia	Gypsophila	Hawthorn
Holly	Hoya	Hydrangea	Impatiens
Iris	Juniper	Kalanchoe	Lilies
Lipstick vine	Margold	Monarda (Bee Balm)	Pachysandra
Palm	Pansy	Peach (ornamental)	Peperomia
Periwinkle	Philodendron	Phlox	Pilea
Pine	Pitosporum	Plum (ornamental)	Poinsettia
Poppy	Pothos	Primrose	Privet
Protea	Pyracantha	Rhododendron	Rose
Rose Tree of China	Salvia	Schefflera	Snapdragon
Statice	Tree Ivy	Tulip	Viburnum
Violet	Zinnia		

**NOTE** DO NOT apply this product to Peace Lily or White Anthurium (*Spathiphyllum*)

Use the following table to determine the diseases controlled and the application method to use.

Disease	Can Be Applied To	Foliar Spray	Drench	Dip
Aerial web blight	All	✓		
Alternaria leaf blight	All	✓		
Alternaria leaf spot	All	✓		
Botrytis blight	All	✓		
Fusarium leaf spot	All	✓		
Helminthosporium leaf spot	All	✓		
Rhizoctonia stem and root rot	All except Impatiens and Pothos		✓	
Ink spot	Iris	✓		
Tulip fire	Tulip	✓		
Alternaria leaf blight	Zinnia	✓		
Ray blight	Chrysanthemum	✓		
Fusarium corm rot	Gladiolus			✓
Daffodil leaf scorch	Daffodils	✓		
Blossom blight	Cistena Plum / Ornamental Plum	✓		
Botrytis storage rot	Rose			✓
Cylindrocladium blight and wilt	Azalea and Rhododendron			✓



**FOLIAR SPRAY APPLICATIONS**

Apply when conditions are favorable for disease development using the following instructions

- Application Rate 1.0 to 2.5 quarts of product per acre  
For severe pest pressure use the highest specified rates  
For light to moderate pest pressure use the lower rates listed
- Application Interval 7 to 14 days  
For severe pest pressure use the shortest application intervals  
For light to moderate pest pressure use the longer application intervals
- Application Instructions Spray plants ensuring complete coverage
- Use Precautions DO NOT make more than 4 applications per crop per year

**DRENCH APPLICATIONS**

To control Rhizoctonia apply this product as a drench at the seeding and/or transplanting stage using the following instructions

- Application Rate 13 fl oz per 100 gallons
- Application Interval 14 days
- Application Instructions Apply using 1 to 2 pints of solution per square foot  
For severe disease pressure use the higher rates  
For light to moderate disease pressure use the lower rates
- Use Precautions DO NOT apply more than 35 fl oz / 1 000 sq ft per year (24 lb a.i. per acre)  
DO NOT make more than 6 applications per year  
DO NOT use this product as a drench on Impatiens and Pothos

**DIP APPLICATIONS**

Refer to the following table for use of this product as a dip to control Botrytis Storage Rot, Cylindrocladium Blight and Wilt and Fusarium Corn Rot in the following plants

Plant Species	Disease	Application Rate (Quarts Product / 100 Gal Water)	Dip Duration	Instructions
Rose	Botrytis Storage Rot ( <i>Botrytis</i> sp.)	1.0	5 minutes	Dip bare root roses prior to cold storage
Azalea and Rhododendron	Cylindrocladium Blight and Wilt ( <i>Cylindrocladium scorparium</i> )	1.0	5 minutes	Dip cuttings prior to planting
Gladiolus	Fusarium Corn Rot ( <i>Fusarium oxysporum</i> )	2.0	5 minutes	Dip corms prior to storage

**TANK MIXTURES**

In order to broaden the spectrum of control use this product with most commonly used fungicides. For control of diseases caused by *Pythium* and *Phytophthora* spp. tank mix with a phosphorous acid product such as PHOSTROL® Agricultural Fungicide

Read the labels of all tank mix partners for specific application rates for the target disease organism and be sure to follow the most restrictive instructions. Do not tank mix with any product that contains a prohibition on tank mixing

**DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS**

Apply this product using a center pivot irrigation system using the following instructions

- System Preparation Be sure all pesticide residues, scale and other foreign materials are cleaned from the chemical tank and injector system. Flush with clean water prior to use.  
Prepare a tank mix of this product by filling the tank to 1/2 to 3/4 of the final volume with water and begin agitation. Add the specified amount of this product and the remaining water until the desired volume is reached.

Application Rate	Use the specified dosage per acre per 1 to 4 gallons of water
Application Instructions	Set the sprinkler system to deliver 0.1 to 0.3 inch of water per acre Using a positive displacement pump this product mixture should be injected into the main line ahead of a right angle turn to ensure adequate mixing
Use Precautions	<b>Application of this product using a sprinkler system is prohibited in the state of California</b> Apply this product using only a center pivot irrigation system. Do not apply this product through any other type of irrigation system. To prevent this product from being washed off the crop do not irrigate the treated area for 24 hours after making the application

**GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS**

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional automatic quick closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional normally closed solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop is a result of non uniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label prescribed safety devices for public water supplies are in place.

**SPRAY DRIFT**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

- 1 The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- 2 Nozzles must always point backwards parallel with the airstream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations they should be observed. The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information** section below.

**Aerial Drift Reduction Advisory Information**

(This section is advisory in nature and does not supersede the mandatory label requirements)

## Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (See Wind, Temperature and Humidity, and Temperature Inversions).

## Controlling Droplet Size

- Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure – Do not exceed the nozzle manufacturer's specified pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of Nozzles – Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

## Boom Length

For some use patterns, reducing the effective boom length to less than  $\frac{3}{4}$  of the wingspan or rotor length may further reduce drift without reducing swath width.

## Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

## Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

## Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

## Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

## Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

## Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage and disposal

**PESTICIDE STORAGE** Store in original container only

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

#### CONTAINER HANDLING

**[Note to Reviewer** The following statement will be included on all Final Printed Labels bearing multiple Container Handling statements] **NOTE** This product is available in multiple containers Refer to the Net Contents section of this product's labeling for the applicable Nonrefillable or Refillable designation Follow the container handling instructions below that apply to your container type/size

#### **[Nonrefillable Containers 5 Gallons or Less ]**

**Nonrefillable container Do not reuse or refill this container** Triple rinse container (or equivalent) promptly after emptying **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 or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities Plastic containers are also disposable by incineration or if allowed by State and local authorities by burning If burned stay out of smoke

#### **[Nonrefillable containers larger than 5 Gallons ]**

**Nonrefillable container Do not reuse or refill this container** Triple rinse or pressure rinse container (or equivalent) promptly after emptying **Triple rinse as follows** Empty the remaining contents into application equipment or a mix tank Fill the container 1/4 full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times **Pressure rinse as follows** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal Insert pressure rinsing nozzle in the side of the container and rinse at about 40 psi for at least 30 seconds Drain for 10 seconds after the flow begins to drip Offer for recycling if available If recycling or reconditioning is not available puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities Plastic containers are also disposable by incineration Do not burn unless allowed by state and local ordinance If burned stay out of smoke

#### **[Refillable containers]**

**Refillable container** Refill this container with pesticide only Do not reuse this container for any other purpose Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank Fill the container about 10% full with water Agitate vigorously or recirculate water with the pump for two minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing procedure two more times

#### **[Refillable For return to Nufarm ]**

**Refillable Container** Refill this container with pesticide only Do not reuse this container for any other purpose Close all openings and replace all caps Contact Nufarm's Customer Service Department at 1 800 345 3330 to arrange for return of the empty refillable container

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