# 26/36 Fungicide®

Specimen Label

**A Fungicide for the Prevention and Control of Certain Diseases of Turfgrass and Ornamentals**

**ACTIVE INGREDIENTS:**

| | |
|---|---|
| Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide)* | 19.65% |
| Thiophanate-methyl: dimethyl 4,4`-o-phenylenebis [3-thioallophanate] | 19.65% |
| **INERT INGREDIENTS** | 60.70% |
| **TOTAL** | **100.00%** |

## KEEP OUT OF REACH OF CHILDREN

## WARNING AVISO

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

## FIRST AID

- **IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.
- **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:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- Have the product container or label with you when calling a poison control center 1-800-222-1222 or doctor or going for treatment. In case of transportation emergency call CHEMTREC toll free 1-800-424-9300.

## PRECAUTIONARY STATEMENTS

### WARNING
### HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

• Causes substantial, but temoporary eye injury. Wear protective eyewear (goggles or safety glasses). Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Avoid breathing spray mist.

### PERSONAL PROTECTION EQUIPMENT (PPE):

Mixers, loaders, others exposed to the concentrate, cleaners/repairers of equipment, and applicators applying as a dip treatment must wear coveralls over long-sleeve shirt and long pants, chemical-resistant gloves such as barrier laminate, nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), or viton (> 14 mils), chemical-resistant apron, and chemical-resistant footwear plus socks.

Applicators using hand held equipment must wear coveralls over long-sleeve shirt and long pants, chemical-resistant gloves such as barrier laminate, nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), or viton (>14 mils), chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposures, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C),or a NIOSH approved respirator with any R, P or HE filter.

Cleary™

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**FOR PRODUCT INFORMATION CALL:**
1-800-524-1662

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Applicators using aircraft or mechanical ground equipment (groundboom, airblast, etc.), and flaggers for aerial applications must wear long-sleeve shirt and long pants, and 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-sleeve shirt and long pants, chemical-resistant gloves such as barrier laminate, nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), or Viton (> 14 mils), and shoes plus socks.
Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, 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 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 HAZARD**
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 or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms 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 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 other requirements specific to your State or Tribe, consult the agency responsible for pesticides.

**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 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 over long-sleeved shirts and long pants, chemical-resistant gloves such as barrier laminate, nitrile rubber (>14 mils), neoprene rubber (>14 mils), or Viton (>14 mils), chemical resistant footwear plus socks, and chemical resistant headgear for overhead exposures.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**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.

## STORAGE AND DISPOSAL

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

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

**CONTAINER DISPOSAL**
Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. 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 1/4 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 puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

## GENERAL USE:

In order to assure maximum crop tolerance and disease control, follow recommendations on this label and all the precautions and limitations of the package label.

### GENERAL PRECAUTIONS AND RESTRICTIONS

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.

## TURF

**26/36™ Fungicide** is a foliar applied fungicide, recommended for turfgrass disease control on golf courses, sod farms, and institutional areas where fine turf is grown. It 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.

When used in conjunction with good turf management practices, 26/36 Fungicide is effective in controlling the following diseases: Dollar Spot, Brown Patch, Anthracnose, Leaf Spots such as Helminthosporium Leaf Spot caused by Drechslera spp. pathogens, Corticium Red Thread, Fusarium Patch, Zoysia Patch, Ascochyta Leaf Blight and Copper Spot.

Apply the recommended rates as indicated in the table in 0.5 to 10 gallons of water per 1000 square feet. Do not drench. Do not allow the spray mixture to stand for longer than 12 hours as some breakdown of the product may occur. Maintain agitation during spray operations. Apply with a properly calibrated sprayer.

## TURF
## RECOMMENDATIONS FOR USE

**Begin applications when conditions favor disease development or when the disease first appears unless otherwise noted.**

| Disease | Interval of Applications | Fluid Oz./1000 SQ FT |
|---|---|---|
| **Dollar Spot** (*Lanzia* spp. and *Moellerodiscus* spp.)<br>**Brown Patch** (*Rhizoctonia solani)*<br>**Anthracnose** *(Colletotrichum cereale)*<br>**Leaf Spot** such as Helminthosporium Leaf Spot caused by *Drechslera* spp.<br>**Corticium Red Thread** (*Laetisaria fuciformis*)<br>**Ascochyta leaf blight** (*Aschochyta*)<br>**Copper Spot** (Gloeocercospora sorghi)<br>**Fusarium Patch** *(Fusarium nivale*)<br>**Zoysia Patch** (*Rhizoctonia solani*) | Repeat at 14 to 21 day interval as needed. | 2.0 when disease pressure is low<br><br>3.0 when disease pressure is moderate<br><br>4.0 when disease pressure is high |
| **Gray Snow Mold** (*Typhula spp.*)<br>**Pink Snow Mold** (*Fusarium nivale*) | One application before first permanent snow cover. If possible, another application during a mid-winter thaw. | 4 to 8 |

Do not exceed a total of 14.5 fluid oz. product/1000 sq ft per year.

Under severe conditions, the higher rate and/or shorter interval of applications are recommended for all diseases. When disease pressure is low to moderate, the lower rates and longer intervals are recommended.

Do not mow or irrigate treated areas until the foliage is completely dry, usually a 24-hour waiting period following treatment is preferred.

Do not mix with any sticker, extender, or wetting agent.

Do not graze animals on treated turf.

Do not feed clippings from treated turf to livestock or poultry.

## TANK MIXTURES

### ADDITIONAL DISEASE CONTROL

If turf is threatened by additional diseases, **26/36 Fungicide** is compatible with most commonly used fungicides. If a tank mixture is used, follow label directions for the use of that product.
Do not exceed a total of 14.5 fluid oz. **26/36 Fungicide** per 1000 sq ft per year.
**Summer Stress Complex/Summer Decline:** For management of Summer Stress Complex/Summer Decline, apply Chipco® Signature® Fungicide at 4 to 8 fl oz of product per 1,000 sq ft with 26/36 Fungicide (2 to 4 fl oz of product per 1,000 sq ft).
**Snow Molds:** For overwintering management of Pink and Gray Snow Mold, apply Spotrete™, Endorse®, or Ultrex® and Alude™ or Signature fungicides with 26/36 Fungicide. If a tank mixture is used, follow label directions for the use of that product.

## ORNAMENTALS

### NOT FOR RESIDENTIAL USE

### FIELD, LANDSCAPE AND GREENHOUSE ORNAMENTALS AND CONIFER NURSERIES*

**26/36 Fungicide** 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. Please read specific instructions and use only as directed.

*** Conifer Nurseries not registered for use in California.**

### RECOMMENDED FOR USE BY COMMERCIAL NURSERY AND LANDSCAPE PERSONNEL.

**26/36 Fungicide** is recommended for use on a wide variety of container and field grown flowering and foliage ornamentals as follows :

| DISEASES | |
|---|---|
| **1. Aerial Web Blight** | *(Rhizoctonia sp.)* |
| **2. Alternaria Leaf Blight** | *(Alternaria euphorbiae)* |
| **3. Alternaria Leaf Spot** | *(Alternaria panax, Alternaria tenuissima)* |
| **4. Botrytis Blight** | *(Botrytis sp.)* |
| **5. Fusarium Leaf Spot** | *(Fusarium moniliforme)* |
| **6. Helminthosporium Leaf Spot** | *(Helminthosporium sp.)* |
| **7. Rhizoctonia stem and root rot** | *(Helminthosporium sp.)* |
| **8. Ink Spot** | *(Drechslera iridis)* |
| **9. Tulip Fire** | *(Botrytis tulipae)* |
| **10. Alternaria Leaf Blight** | *(Alternaria zinniae)* |
| **11. Ray Blight** | *(Ascochyta chrysanthami)* |
| **12. Fusarium Corm rot** | *(Fusarium oxysporum)* |
| **13. Daffodil Leaf Scorch*** | *(Stagnospora curtissi)* |
| **14. Blossom Blight*** | *(Monilinia fructicola)* |
| **15. Botrytis Storage Rot*** | *(Botrytis sp.)* |
| **16. Cylindrocladium Blight and Wilt*** | *(Cylindrocladium scoparium)* |

*** Not registered for use in California.**

### PLANT TOLERANCE:

Plant tolerances to **26/36 Fungicide** have been found to be acceptable in the specific genera and species listed on this label. It is not possible to evaluate every species or variety of ornamental plant for its tolerance to **26/36 Fungicide.** The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

| ORNAMENTALS | |
|---|---|
| Ageratum (1 to 7) | Holly (1 to 7) |
| Ajuga (1 to 7) | Hoya (1 to 7) |
| Almond (ornamental) (1 to 7) | Hydrangea (1 to 7) |
| Alyssum (1 to 7) | Impatiens* (1 to 7) |
| Andromeda (1 to 7) | Iris (1 to 8) |
| Aphelandra (1 to 7) | Juniper (1 to 7) |
| Artemisia (1 to 7) | Kalanchoe (1 to 7) |
| Aster (1 to 7) | Lillies (1 to 7) |
| Azalea (1 to 7, 16) | Lipstick vine (1 to 7 (Aeschynanthus) |
| Boxwood (1 to 7) | Marigold (1 to 7) |
| Cactus (1 to 7) | Monarda (Bee Balm) (1 to 7) |
| Calendula (1 to 7) | Pachysandra (1 to 7) |
| Carnation (1 to 7) | Palm (1 to 7) |
| Cherry (ornamental) (1 to 7) | Pansy (1 to 7) |
| Chrysanthemum (1 to 7, 11) | Peach (ornamental) (1 to 7) |
| Cineraria (1 to 7) | Peperomia (1 to 7) |
| Cistena Plum (1 to 7, 14)* | Periwinkle (1 to 7) |
| Coleus (1 to 7) | Philodendron (1 to 7) |
| Columbine (1 to 7) | Phlox (1 to 7) |
| Coral Bells (Heuchera) (1 to 7) | Pilea (1 to 7) |
| Crape Myrtle (1 to 7) | Pine (1 to 7) |
| Crassula (1 to 7) | Pitosporum (1 to 7) |
| Croton (1 to 7) | Plum (ornamental) (1 to 7, 14) |
| Cyclamen (1 to 7) | Poinsettia (1 to 7) |
| Daffodils (1 to 7, 13)* | Poppy (1 to 7) |
| Dahlia (1 to 7) | Pothos* (1 to 6) |
| Delphinium (1 to 7) | Primrose (1 to 7) |
| Deutzia (1 to 7) | Privet (1 to 7) |
| Dianthus (1 to 7) | Protea (1 to 7) |
| Dieffenbachia (1 to 7) | Pyracantha (1 to 7) |
| Dizygotheca (1 to 7) | Rhododendron (1 to 7, 16) |
| Dogwood (1 to 7) | Rose Tree of China (1 to 7) |
| Dracena (1 to 7) | Rose (1 to 7, 15) |
| English Ivy (1 to 7) | Salvia (1 to 7) |
| Episcia (1 to 7) | Schefflera (1 to 7) |
| Euonymous (1 to 7) | Snapdragon (1 to 7) |
| Ficus (1 to 7) | Statice (1 to 7) |
| Forsythia (1 to 7) | Tree Ivy (1 to 7) |
| Gazania (1 to 7) | Tulip( 1 to 7, 9) |
| Geranium (1 to 7) | Viburnum (1 to 7) |
| Gladiolus (1 to 7, 12) | Violet (1 to 7) |
| Gloxinia (1 to 7) | Zinnia (1 to 7, 10) |
| Gypsophila (1 to 7) | |
| Hawthorn (1 to 7) | |

**NOTE:**
**Do not use 26/36 Fungicide as a soil drench on Impatiens and Pothos.**
**Do not use 26/36 Fungicide on Spathiphyllum.**
*** Not registered for use in California.**

## HOW TO USE 26/36 FUNGICIDE AS A FOLIAR SPRAY

**Apply 26/36 Fungicide as a foliar spray to run-off, at the following rates and intervals, when conditions become favorable for disease development.**

| Disease | Fluid Oz/ Acre | Interval of Application | Use Directions |
|---|---|---|---|
| **Aerial Web Blight** *(Rhizoctonia sp.)* **Alternaria Leaf Blight** *(Alternaria zinniae)* **Alternaria Leaf Blight** *(Alternaria euphorbiae)* **Alternaria Leaf Spot** *(Alternaria panax)* *(Alternaria tenissima)* **Botrytis Blight** *(Botrytis sp.)* **Fusarium Leaf Spot** *(Fusarium moniliforme)* **Helminthosporium Leaf Spot** *(Helminthosporium sp.)* **Ink Spot** *(Drechslera iridis)* **Ray Blight** *(Ascochyta chrysanthami)* **Tulip Fire** *(Botrytis tulipae)* **Daffodil Leaf Scorch*** *(Stagnospora curtissi)* **Blossom Blight*** *(Monilinia fructicola)* | 33 to 84 | 7 to 14 days | Spray plants to insure thorough coverage |

Do not apply more than 84 fluid oz/acre per application.

Do not make more than 4 applications per crop per year.

Under severe disease pressure, use the highest recommended rate and/or the shortest spray interval. When disease pressure is light to moderate, the lower rates and longer intervals are recommended.

**NOTE:** A resin based surfactant should be added to foliar sprays for use on iris, lillies,and tulips.

*** Not registered for use in California.**

## HOW TO USE 26/36 FUNGICIDE AS A DRENCH

**Apply 26/36 as a drench at seeding and/or after transplanting for Rhizoctonia control at the following rates and interval:**

| Disease | Fluid Oz/ 100 gals | Interval of Application |
|---|---|---|
| **Rhizoctonia Stem and Root Rot *(Rhizoctonia sp.)*** | 13.5 Apply 1 to 2 pints solution per square foot | 14 days |

Do not exceed a total of 37 fluid ounces/1000 sq ft per year.

Do not make more than 6 applications per year. Under severe pressure, use the highest recommended rate, when disease pressure is light to moderate, the lower rate is recommended.

**NOTE:**
**Do not use 26/36 Fungicide as a drench on impatiens and pothos.**
**Do not use 26/36 Fungicide on Spathiphyllum.**

## HOW TO USE 26/36 FUNGICIDE AS A DIP

| Plant Species | Disease | Fluid Oz/ 100 gals | Dip Duration | Directions |
|---|---|---|---|---|
| Rose | Botrytis Storage Rot (Botrytis sp.) | 33 | 5 minutes | Dip bare root roses prior to cold storage. |
| Azalea and Rhodendron | Cylindrocladium Blight and Wilt* (Cylindrocladium scoparium) | 33 | 5 minutes | Dip cuttings prior to planting |
| Gladiolus | Fusarium Corm Rot (Fusarium oxysporum) | 66 | 5 minutes | Dip corms priorto storage. |

*** Not registered for use in California.**

## DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

**Do not use through sprinkler irrigation systems in California.**

Apply this product only through sprinkler irrigation systems including center pivot. Do not apply this product through any other type of irrigation system.

**SPRAY PREPARATION:**

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:**

First prepare a suspension of **26/36 Fungicide** in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of **26/36 Fungicide**, and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of **26/36 Fungicide** per 1 to 4 gallons of water are recommended) Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of 26/36 Fungicide into the irrigation water line so as to deliver the desired rate per acre. The suspension of 26/36 Fungicide should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE:** When treatment with 26/36 Fungicide has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

**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 shutdown. 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 may result from nonuniform 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 must 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

**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 habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

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 formulation.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards 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.

**INFORMATION ON DROPLET SIZE:** (This section is advisory in nature and does not supersede the mandatory label requirements)

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 below).

**CONTROLLING DROPLET SIZE:** (This section is advisory in nature and does not supersede the mandatory label requirements)

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

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

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

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

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

Drift potential is lowest between wind speeds of 2 - 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:** (This section is advisory in nature and does not supersede the mandatory label requirements)

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

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.

**LIMITED WARRANTY AND DISCLAIMER**

CLEARY CHEMICALS LLC warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. To the extent consistent with applicable law, CLEARY CHEMICALS LLC makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. To the extent consistent with applicable law, neither CLEARY CHEMICAL nor seller shall be liable for consequential, special or indirect damages resulting from the use or handling of this product including, but not limited to, loss of profits, business reputation, or customers, labor costs, or other expenses incurred in planting or harvesting. CLEARY CHEMICAL and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of CLEARY CHEMICALS LLC.


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**CLEARY CHEMICALS LLC**
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