DIFENOCONAZOLE | GROUP 3 | FUNGICIDE

PULL HERE TO OPEN

Inspire®

syngenta®

Fungicide

Active Ingredient:	
Difenoconazole*:	23.2%
*Other Ingredients***:*	76.8%
Total:	100.0%

*CAS No. 119446-68-3
**Contains petroleum distillates

Inspire is formulated as an emulsifiable concentrate (EC) containing 2.08 lb ai/gal of difenoconazole.

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.)

See additional precautionary statements and directions for use inside booklet.

See First Aid statement inside booklet or on container label.

EPA Reg. No. 100-1262 EPA Est. 39578-TX-1

Product of Switzerland
Formulated in the USA

SCP 1262A-L1M 0320
4121964

1 gallon
Net Contents

®

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Immediately call a poison control center or doctor. • 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 by mouth to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN Contains petroleum distillates - vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING/AVISO

Causes substantial but temporary eye injury. **DO NOT** get in eyes or on clothing. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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PRECAUTIONARY STATEMENTS *(continued)*

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and all other handlers must wear:

- Chemical-resistant gloves including: barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or Viton® ≥14 mils
- Protective eyewear
- Long-sleeved shirt and long pants
- Socks and shoes

User Safety Requirements

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

Engineering Controls

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 pesticide is toxic to fish, mammals, and aquatic invertebrates. Drift and runoff may be hazardous to aquatic **estuarine/marine** organisms in water adjacent to treated areas. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product may contaminate water through drift or spray in wind. This product has a potential for runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for contamination of water from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Physical or Chemical Hazards

DO NOT use or store near heat or open flame.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

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

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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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

- Chemical-resistant gloves including: barrier laminate, butyl rubber greater than or equal to 14 mils, nitrile rubber greater than 14 mils, or Viton greater than 14 mils
- Protective eyewear
- Coveralls
- Socks and shoes

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

PRODUCT INFORMATION

Inspire is a broad spectrum fungicide with systemic and curative properties for the control of many important plant diseases. Inspire may be applied as a foliar spray in alternating spray programs or in tank mixes with other crop protection products. All applications must be made according to the use directions that follow.

PRODUCT USE INSTRUCTIONS

Application: Thorough coverage is necessary to provide good disease control. Make up no more spray solution than is needed for application. Avoid spray overlap, as crop injury may occur.

Efficacy: Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if maximum amount of Inspire has been used. If resistant isolates to Group 3 fungicides are present, efficacy can be reduced. Under high disease pressure, use the highest rate and shortest interval.

Rotational Crops: Please see the table below for the crop rotational restrictions.

Rotational Crop	Planting Time From Last Inspire Application
Artichoke, Globe Bean and Pea, Dried Shelled Subgroup 6C Berry, Bushberry Subgroup 13-07B Berry, Low Growing Subgroup 13-07G Brassica (Cole) Head and Stem vegetables Group 5-16 Brassica (Cole) Leafy greens Subgroup 4-16B Bulb vegetables, bulb onion Subgroup 3-07A and green onion Subgroup 3-07B Carrots Chickpeas Citrus fruit Crop Group 10-10 Cotton Subgroup 20C Cucurbit vegetables Crop Group 9 Fruit, small, vine climbing Subgroup 13-07F, except fuzzy kiwifruit Fruiting vegetables Crop Group 8-10 Ginseng Guava Kohlrabi Leaves of Root and Tuber Vegetables Crop Group 2 Papaya Pome fruit Crop Group 11-10 Potatoes Rapeseed Subgroup 20A Rice Root vegetable Subgroup 1A Soybeans Stone fruit Crop Group 12-12 Strawberry Sugar beets Tomatoes and tomatillos Tree nuts Crop Group 14-12 Tuberous and corm vegetable subgroup 1C Watercress Wild rice	0 days
Cereals (wheat, barley, triticale, oats and rye)	30 days
All other crops intended for food and feed	60 days

Crop Tolerance: Plant tolerance has been found acceptable for all crops on the label; however, not all possible tank-mix combinations have been tested under all conditions. When possible, it is recommended to test the combinations on a small portion of the crop to ensure a phytotoxic response will not occur as a result of application.

Spray Drift Management:

MANDATORY SPRAY DRIFT

Aerial Applications

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium to ultra coarse spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Ground Boom Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium to ultra coarse spray droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Boomless Ground Applications

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

- THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
- BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher rate nozzles instead of increasing pressure.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

- BOOM HEIGHT - Ground Boom

  Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

- RELEASE HEIGHT - Aircraft

  Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

- SHIELDED SPRAYERS

  Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

- WIND

  Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
  Note: Local terrain can influence wind patterns. Every applicator needs to be familiar with local wind patterns and how they affect spray drift.

- TEMPERATURE AND HUMIDITY

  When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

- TEMPERATURE INVERSIONS

  Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or 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. Avoid applications during temperature inversions.

IPM: Integrate Inspire into an overall disease and pest management strategy (IPM) whenever the use of a fungicide is required. Follow cultural practices known to reduce disease development. Consult your local agricultural authorities for additional IPM strategies established for your area. Inspire may be used in State Agricultural Extension advisory (disease forecasting) programs which direct application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

DIFENOCONAZOLE	GROUP	3	FUNGICIDE

For resistance management, Inspire contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Inspire and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Follow appropriate resistance-management strategies.

DO NOT apply to plants grown for transplanting purposes.

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

- Rotate the use of Inspire or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

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- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM directions for specific crops and pathogens.
- For further information or to report suspected resistance contact Syngenta Crop Protection at 1-866-796-4368. You can also contact your pesticide distributor or university extension specialist to report resistance.

SPRAY EQUIPMENT

Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Use the same size nozzles uniformly spaced across the boom.
- Calibrate sprayer before use.
- Use screens to protect the pump and to prevent nozzles from clogging.
- On suction side of pump use screens that are *16-mesh or coarser*.
- **DO NOT** place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's directions.

Pump

- Use a pump with capacity to:
  (1) Maintain sufficient pressure at the nozzle tip to give the required flow rate and droplet size to provide acceptable coverage of the target crop.
  (2) Provide sufficient agitation in tank to keep mixture in suspension - this requires recirculation of 10% of tank volume per minute.
- Use a jet agitator or liquid sparge tube for agitation.
- **DO NOT** air sparge.

For more information on spray equipment and calibration, consult sprayer manufacturers and state directions. For specific local directions and spray schedules, consult the current state agricultural directions.

MIXING INSTRUCTIONS

- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.

- Agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

Inspire Alone (no tank mix):

- Add 1/2-2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add Inspire to the tank.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after Inspire has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

Inspire + Tank Mixtures: Inspire is usually compatible with tank-mix partners. To determine the physical compatibility of Inspire with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

Mixing in the Spray Tank

- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- Add 1/2-2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in the same order as described above.
- Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and Inspire to the spray tank.
- Allow Inspire to completely disperse.
- Spray the mixture with the agitator running.
- Observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label.
- Label dosage rate must not be exceeded, and the most restrictive label precautions and limitations must be followed.
- This product must not be mixed with any product which prohibits such mixing.

APPLICATION PROCEDURES

Ground Application:

- Apply in a minimum of 10 gal of water per acre, unless specified otherwise.

Aerial Application:

- Use only on crops where aerial applications are indicated.
- Apply in a minimum of 5 gal of water per acre, unless specified otherwise. For pome fruit apply in a minimum of 10 gal of water per acre.
- **DO NOT** apply under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.
- **DO NOT** apply directly to humans or animals.

Application Through Irrigation Systems (Chemigation)

- Use only on crops for which chemigation is specified on this label.
- Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. **DO NOT** apply this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- Apply in 0.125-0.25 inches/A of water. Excessive water may reduce efficacy.
- If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments if the need arises.

Note: DO NOT inject Inspire at full strength or deterioration of valves and seals may occur. Use a dilution ratio of at least 10 parts water to 1 part Inspire. Inspire is corrosive to many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used, but must be replaced once a year. **DO NOT** use Viton, Buna-N, Neoprene, or PVC seals.

Operating Instructions

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. Systems must use a metering pump, for example, 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.
7. **DO NOT** apply when wind speed favors drift beyond the area intended.

Center Pivot Irrigation Equipment

Notes: (1) Use only with drive systems which provide uniform water distribution. (2) **DO NOT** use end guns when chemigating Inspire through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply 1/8-1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as directed by the equipment manufacturer. When applying Inspire through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity.
- Using water, determine the injection pump output when operated at normal line pressure.

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- Determine the amount of Inspire required to treat the area covered by the irrigation system.
- Add the required amount of Inspire and sufficient water to meet the injection time requirements to the solution tank.
- Make sure the system is fully charged with water before starting injection of the Inspire solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
- Maintain constant solution tank agitation during the injection period.
- Continue to operate the system until the Inspire solution has cleared the sprinkler head.

Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

- Determine the acreage covered by the sprinklers.
- Fill injector solution tank with water and adjust flow rate to use the contents over a 20 to 30-minute interval. When applying Inspire through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of Inspire required to treat the area covered by the irrigation system.
- Add the required amount of Inspire into the same quantity of water used to calibrate the injection period.
- Operate the system at the same pressure and time interval established during the calibration.
- Stop injection equipment after treatment is completed. Continue to operate the system until the Inspire solution has cleared the last sprinkler head.

SPECIFIC INSTRUCTIONS FOR PUBLIC WATER SYSTEMS

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system must be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must 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.

5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, including 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.
7. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC USE DIRECTIONS

Crop	Target Diseases	Use Rate fl oz product/A (lb ai)	Remarks
Almonds	Alternaria leafspot (*A. alternata*) Anthracnose (*Colletotrichum. acutatum*) Blossom Blight Brown rot (*Monilinia* spp.) Brown rot/hull rot (*Monilinia* spp.) Powdery mildew (*Podosphaera tridactyla, Sphaerotheca pannosa*) Scab (*Venturia carpophilia*) Shot hole (*Wilsonmyces carpophilus*)	7 (0.114)	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire on a 14- to 21-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If monitoring or history indicates the presence of Alternaria, apply 7 fl oz/A of Inspire in the late spring (mid-April to beginning of May) and then repeat the treatment 2-3 weeks later. For blossom blight, begin applications at early bloom and continue through petal fall. If disease pressure is high, use the shortest interval.
	Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.		

Specific Use Restrictions:
1) **DO NOT** apply more than 28 fl oz/A/year of Inspire.
2) **DO NOT** apply more than 7 fl oz per application (0.114 lb ai of difenoconazole).
3) **DO NOT** make more than 4 applications per year at the maximum application rate.
4) **Minimum Application Interval:** 14 days
5) **DO NOT** apply more than 0.46 lb ai/A/year of difenoconazole.
6) **DO NOT** apply within 14 days of harvest (14-day PHI).

Crop	Target Diseases	Use Rate fl oz product/A (lb ai)	Remarks
Berry, Low Growing Subgroup 13-07G **Strawberry** Not for use in California See additional crops below.	Anthracnose (*Colletotrichum acutatum*) Leaf spot (*Cercospora fragariae*) Powdery mildew (*Sphaerotheca macularis*) Leaf rust (*Phragmidium potentillae*)	7 (0.114)	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire on a 7- to 14-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If disease pressure is high, use the shortest interval.
	Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire can be applied by ground, chemigation or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.		
Additional Low Growing Berries: Bearberry, Bilberry, Cloudberry, Muntries, Partridgeberry, Strawberry including all cultivars and/or hybrids of these			
Specific Use Restrictions: 1) **DO NOT** apply more than 28 fl oz/A/year of Inspire. 2) **DO NOT** apply more than 7 fl oz per application (0.114 lb ai of difenoconazole). 3) **DO NOT** make more than 4 applications per year at the maximum application rate. 4) **Minimum Application Interval:** 7 days 5) **DO NOT** apply more than 0.46 lb ai/A/year of difenoconazole. 6) Inspire may be applied up to the day of harvest (0-day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai)	Remarks
Cherries (Sweet & Tart)	Brown rot blossom blight and fruit rot (*Monilinia fructicola, M. laxa*) Alternaria spot and fruit rot (*A. alternata*) Anthracnose (*Colletotrichum* spp.) Powdery mildew (*Podosphaera clandestina*) Shot hole (*Wilsonomyces carpophilus*)	7 (0.114)	For Brown rot blossom blight, begin applications at early bloom and continue through petal fall. For Brown rot on fruit, apply as needed a maximum of two sprays during the preharvest period up to the day of harvest (minimum of a 7-day retreatment interval). If high inoculum and severe disease conditions persist, apply a registered non-Group 3 fungicide. For all other diseases, follow the Brown rot blossom blight schedule. Make additional applications on a 10- to 14-day interval from the end of petal fall to harvest. If disease pressure is high, use the shortest interval.
	Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire can be applied by either ground or aerial application. Stone fruit diseases are most effectively controlled by ground applications. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.		

Specific Use Restrictions:
1) **DO NOT** apply more than 28 fl oz/A/year of Inspire.
2) **DO NOT** apply more than 0.46 lb ai/A/year of difenoconazole.
3) **DO NOT** apply more than 7 fl oz per application (0.114 lb ai of difenoconazole).
4) **DO NOT** make more than 4 applications per year at the maximum application rate.
5) **Minimum Application Interval:** 7 days
6) Inspire may be applied up to the day of harvest (0-day PHI).

Crop	Target Diseases	Use Rate fl oz product/A (lb ai)	Remarks
Pistachios	Panicle and Shoot Blight (*Botryosphaeria dothidea*) Alternaria late blight (*Alternaria* spp.) Septoria leaf spot (*S. pistaciarum*)	7 (0.114)	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire on a 14- to 21-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. For Botryosphaeria, begin applications when green leaf tissue becomes visible and continue on a 14- to 21-day interval. Make no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If disease pressure is high, use the shortest interval.
	Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.		

Specific Use Restrictions:
1) **DO NOT** apply more than 28 fl oz/A/year of Inspire.
2) **DO NOT** apply more than 0.46 lb ai/A/year of difenoconazole.
3) **DO NOT** apply more than 7 fl oz per application (0.114 lb ai of difenoconazole).
4) **DO NOT** make more than 4 applications per year at the maximum application rate.
5) **Minimum Application Interval:** 14 days
6) **DO NOT** apply within 14 days of harvest (14-day PHI).

Crop	Target Diseases	Use Rate fl oz product/A (lb ai)	Remarks
Walnut, Black **Walnut, English**	Foliar Diseases	7 (0.114)	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire on a 14- to 21-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If disease pressure is high, use the shortest interval.
	Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire can be applied by either ground, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.		

Specific Use Restrictions:

1) **DO NOT** apply more than 28 fl oz/A/year of Inspire.
2) **DO NOT** apply more than 0.46 lb ai/A/year of difenoconazole.
3) **DO NOT** apply more than 7 fl oz per application (0.114 lb ai of difenoconazole).
4) **DO NOT** make more than 4 applications per year at the maximum application rate.
5) **Minimum Application Interval:** 14 days
6) **DO NOT** apply within 14 days of harvest (14-day PHI).

Inspire Conversion Table

Fl oz product/A	Lb ai/A
2	0.0325
3	0.05
4	0.065
5	0.08
5.5	0.09
6	0.10
7	0.114
7.5	0.122
7.7	0.125
8	0.13
15	0.244
20	0.325
21	0.341
28	0.456
28.3	0.460

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in the original container in a cool place.

Pesticide Disposal

Pesticide wastes may be toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative of the nearest EPA Regional Office for guidance.

Container Handling [less than or equal to 5 gallons]

Non-refillable 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 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 offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

continued...

STORAGE AND DISPOSAL *(continued)*

Container Handling [greater than 5 gallons]

Non-refillable 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. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling [greater than 5 gallons]

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 person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

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the SYNGENTA Logo and the PURPOSE ICON
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Viton® trademark of E. I. du Pont de Nemours and Company

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For non-emergency (e.g. current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1262A-L1M 0320
4121964

DIFENOCONAZOLE | GROUP 3 | FUNGICIDE

Inspire®

Fungicide

Active Ingredient:	
Difenoconazole*:	23.2%
Other Ingredients**:	76.8%
Total:	100.0%

*CAS No. 119446-68-3
**Contains petroleum distillates

Inspire is formulated as an emulsifiable concentrate (EC) containing 2.08 lb ai/gal of difenoconazole.

See additional precautionary statements and directions for use inside booklet.

See First Aid statement inside booklet or on container label.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1262

EPA Est. 39578-TX-1

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1262A-L1M 0320
4121964

1 gallon

Net Contents

(01) 0 07 02941 35030 6

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.)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Causes substantial but temporary eye injury. **DO NOT** get in eyes or on clothing. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **If swallowed:** Immediately call a poison control center or doctor. 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 by mouth to an unconscious person. **If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. **NOTE TO PHYSICIAN:** Contains petroleum distillates - vomiting may cause aspiration pneumonia. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **HOT LINE NUMBER:** For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call **1-800-888-8372**.

Environmental Hazards: This pesticide is toxic to fish, mammals, and aquatic invertebrates. Drift and runoff may be hazardous to aquatic **estuarine/marine** organisms in water adjacent to treated areas. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. **DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.

Surface Water Advisory: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product may contaminate water through drift or spray in wind. This product has a potential for runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for contamination of water from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Physical or Chemical Hazards: DO NOT use or store near heat or open flame.

STORAGE AND DISPOSAL

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Pesticide Storage: Store in the original container in a cool place.

Pesticide Disposal: Pesticide wastes may be toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative of the nearest EPA Regional Office for guidance.

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