

LICENSED

PERIOD 2014-2016 LIC. NO.  
9226.550

GROUP 3 | 9 FUNGICIDES

PULL HERE TO OPEN ►



# Inspire Super®



syngenta®

## Fungicide

*Active Ingredients:*

Difenoconazole*	8.4%
Cyprodinil**	24.1%

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<i>Other Ingredients:</i>	67.5%
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<i>Total:</i>	100.0%
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\*CAS No. 119446-68-3

\*\*CAS No. 121552-61-2

Contains 0.73 lb. of difenoconazole active ingredient and 2.09 lb. of cyprodinil active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

## CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. 100-1317

EPA Est. 086555-MO-001

SCP 1317A-L1F 0812  
4015478

**1 gallon**  
Net Contents

TM

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b> For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call <b>1-800-888-8372</b>	

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed or absorbed through skin. 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.

#### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

*continued...*

## PRECAUTIONARY STATEMENTS (*continued*)

### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof materials such as polyvinyl chloride, nitrile rubber or butyl rubber

### 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 Control Statements

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

Difenoconazole and cyprodinil are toxic to fish, mammals and aquatic invertebrates. Drift and runoff may be hazardous to aquatic **estuarine/marine** organisms in water adjacent to treated area. For terrestrial uses: 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.

### **Surface and Ground Water Advisory**

The chemicals in this product may contaminate water through drift or spray in wind. 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. These chemicals have potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains these chemicals. A level, well maintained vegetative buffer strip between areas to which these chemicals are applied and surface water features such as ponds, streams, and springs will reduce the potential loading of difenoconazole and cyprodinil from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control will reduce this product's potential to reach surface water.

## **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 this 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.**

### AGRICULTURAL USE REQUIREMENTS (*continued*)

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 made of any waterproof materials such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

### PRODUCT USE PRECAUTIONS

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

**Rotational Crops:** Please see the following table for the crop rotational restrictions:

Rotational Crops	Planting Time From Last Inspire Super Application
Brassica (Cole) leafy vegetables Bulb vegetables Carrots Chickpea Cucurbit vegetables Fruiting vegetables Peppers Strawberries Tomatoes and tomatillos	0 days
Cereals (wheat, barley, triticale, oats, rye, millet and buckwheat) Potatoes Soybeans Sugar beets Sweet corn Root and tuber vegetable crop group 1, except carrots	30 days
All other crops intended for food and feed	60 days

For annual crops, where multiple crops can be grown per year (double/triple cropping), do not apply more than 1.3 lb. a.i. cyprodinil per acre per year to an individual plot of land.

## APPLICATION INFORMATION

Inspire Super is a broad-spectrum product containing two fungicides. It has preventative, systemic and curative properties and is labeled for the control of many important plant diseases. Inspire Super provides excellent disease control of many leaf spots and powdery mildews. Inspire Super is applied as a foliar spray and can be used in block, alternating spray, or tank-mix programs with other crop protection products. All applications should be made according to the use directions that follow.

For the crops to which aerial applications are allowed, refer to the specific crop directions for use.

## PRODUCT USE INSTRUCTIONS

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

**Adjuvants:** When an adjuvant is to be used with this product, the use of an adjuvant that meets the standards of the Chemical Producers and Distributors Association (CPDA) adjuvant certification program is recommended.

**Efficacy:** Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if the maximum amount of Inspire Super has been used. If resistant isolates to Group 3 or Group 9 fungicides are present, efficacy can be reduced for certain diseases. The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, with highly susceptible varieties, or when environmental conditions are conducive to disease.

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

## RESISTANCE MANAGEMENT

Inspire Super contains two fungicides - difenoconazole, a triazole fungicide in Group 3 and cyprodinil, an anilinopyrimidine in Group 9. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your

local or state agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include rotating and/or tank mixing with products having different modes of action or limiting the total number of applications per season. Syngenta encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label. Inspire Super should not be alternated or tank mixed with any fungicide to which resistance has already developed.

As part of a resistance management strategy:

- Apply a maximum of 5 sprays during one crop cycle.
- Apply no more than 2 sequential applications unless otherwise stated in the crop section.
- When tank mixing or alternating, use an effective partner – one that provides satisfactory disease control when used alone at the mixture rate.

**Crop Tolerance:** Plant tolerance has been found to be 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 that a phytotoxic response will not occur as a result of application. See precautions regarding grape phytotoxicity.

**Spray Drift Management:** To prevent spray drift, do not apply when conditions favor drift beyond the target area. Spray overlap may cause crop injury. The interaction of many equipment and weather related factors determine the potential for spray drift. AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR AND THE GROWER.

## MIXING AND APPLICATION METHODS

### Spray Equipment

#### Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on suction side of pump should be *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 recommendations.

## Pump

- Use a pump with capacity to:
  - (1) Maintain 35-40 psi at nozzles.
  - (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 manufacturer's and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

## Mixing Instructions

- Inspire Super is an oil-in-water emulsion (EW) formulation.
- 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 Super 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 Super to the tank.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after Inspire Super has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed. When using Inspire Super without any tank mixes, keep tank agitation to a minimum when spray volume exceeds 40 gal./A. If equipment does not accommodate this, add an adjuvant as indicated below in the Application instructions.

**Inspire Super + Tank Mixtures:** Inspire Super is usually compatible with all tank-mix partners listed on this label. To determine the physical compatibility of Inspire Super 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.

**Tank Mixtures:** All directions for use, crops/sites, use rates, dilution rates, precautions, and limitations which appear on the tank-mix product label must be observed. The label dosage for the tank-mix partner is not to be exceeded, and the most restrictive label precautions and limitations are to be followed.

### **Mixing in the Spray Tank**

- Add  $\frac{1}{2}$ - $\frac{2}{3}$  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 Super to the spray tank.
- Allow Inspire Super to completely disperse.
- Spray the mixture with the agitator running.

### **Application Instructions**

Inspire Super may be applied with all types of spray equipment commonly used for making ground and aerial applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control.

RECOMMENDATION: When using greater than 40 gallons per acre, it is advised to add a tank-mix adjuvant unless prohibited by the Specific Use Restrictions for the listed crop, of either NIS (minimum of 0.1% total spray volume in tank) or oil such as crop oil or horticultural spray oil (minimum of 1% total spray volume in tank).

### **OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES, AND COMMERCIAL FISH PONDS.**

- Do not apply within 75 ft. of estuarine marine bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries.
- Shut off the sprayer when row ends.
- Do not cultivate within 10 ft. of aquatic areas in order to allow a vegetative filter strip.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.
- For perennial crops such as tree crops and grapes:
  - For all plantings within 150 ft. of bodies of water as described above, spray crops from outside the planting away from the bodies of water.
  - Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas. Adjust or turn off top nozzles to prevent spray going over the tops of trees. Shut off nozzles on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row or passing tree gaps in the rows.

### **Ground Application**

- Apply in a minimum of 10 gallons of water per acre, unless specified otherwise.
- Do not apply through any ultra-low volume (ULV) spray system.
- Thorough coverage is necessary to provide good disease control.

### **Aerial Spray Precautions**

Avoid applications under conditions when uniform coverage cannot be obtained or when excessive drift may occur.

Observe the following precautions when spraying in the vicinity of aquatic areas such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.

- Use only on crops where aerial applications are indicated.
- Do not apply by air within 150 ft. of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.
- For aerial applications, mount the spray boom on the aircraft so as to minimize the drift caused by wing tip vortices. Use the minimum practical boom length, which must not exceed 75% of wing span or rotor diameter.
- Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Release spray at the lowest height consistent with pest control and flight safety. Do not make applications more than 10 feet above the crop canopy.
- Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic area. Avoid spraying during conditions of low humidity and/or high temperatures.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.

## SPECIFIC DIRECTIONS FOR USE

Crop	Diseases	Rate fl. oz./Acre	Remarks
Almonds	Alternaria Leaf Spot ( <i>A. alternata</i> ) Anthracnose ( <i>Colletotrichum acutatum</i> ) Blossom Blight ( <i>Monilinia</i> spp.) Green Fruit Rot ( <i>Botrytis cinerea</i> ) Leaf Blight ( <i>Seimatosporium lichenicola</i> ) Leaf Rust ( <i>Tranzschelia discolor</i> ) Scab ( <i>Cladosporium carpophila</i> ) Shot Hole ( <i>Wilsonmyces carpophilus</i> )	16 - 20	For blossom blight, apply 16-20 fl. oz. of Inspire Super during the bloom period.  For Alternaria leaf spot and scab, begin applications prior to disease onset when conditions are conducive for disease. If monitoring or history indicates the presence of Alternaria, apply 20 fl. oz./A of Inspire Super in the late spring (mid-April to beginning of May) and then repeat the treatment 2-3 weeks later.  For all other diseases, use 16-20 fl. oz./A. Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 14- to 21-day schedule.  Make no more than 2 sequential applications before alternating to another fungicide with a different mode of action.  The minimum retreatment interval is 14 days.  If disease pressure is high, use the shortest interval and highest rate.
	<b>Application:</b> For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 50 gal./A for ground applications. Use a minimum of 10 gal./A of water for aerial applications. Use ground application for best results.		

### Specific Use Restrictions:

- Make no more than two applications by air.
- Do not apply more than 80 fl. oz./A of Inspire Super per crop
- Do not apply more than 0.46 lb. a.i./A per crop of difenoconazole-containing products.
- Do not apply more than 1.4 lb. a.i./A of a cyprodinil-containing products.
- Do not apply within 60 days of harvest (60-day PHI).

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Crop	Diseases	Rate fl. oz./Acre	Remarks
<b>Brassica (Cole) Leafy Vegetables Subgroup</b>  Broccoli Brussels sprouts Cabbage Cauliflower Collards Kale Mustard greens Turnip greens  See additional crops below.	Alternaria Diseases ( <i>Alternaria</i> spp.) Anthracnose ( <i>Colletotrichum higginsianum</i> ) Cercospora Leaf Spot ( <i>C. brassicicola</i> ) Gray Mold ( <i>Botrytis cinerea</i> ) Powdery Mildew ( <i>Erysiphe polygoni</i> )	16 - 20	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 7- to 10-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 and highest rate.
Including all cultivars and/or hybrids of these.	<b>Application:</b> Application may be by ground, air, or chemigation. For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 10 gal./A spray volume by air. Use a minimum of 15 gal./A for ground applications. If using more than 40 gal./A, refer to Application Instructions under MIXING AND APPLICATION METHODS. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.		
<b>Complete List of Brassica Leafy Vegetables:</b> Broccoli; broccoli, Chinese (gai lon); broccoli raab (rapini); Brussels sprouts; cabbage; cabbage, Chinese (bok choy); cabbage, Chinese (napa); cabbage, Chinese mustard (gai choy); cauliflower; cavalo broccolo; collards; kale; kohlrabi; mizuna; mustard greens; mustard spinach; rape greens; turnip greens.			
<b>Specific Use Restrictions:</b> <ul style="list-style-type: none"> <li>• Make no more than two applications by air.</li> <li>• Do not apply more than 80 fl. oz./A of Inspire Super per season.</li> <li>• Do not apply more than 0.46 lb. a.i./A/season of a difenoconazole-containing product.</li> <li>• Do not apply more than 1.3 lb. a.i./A/season of a cyprodinil-containing product.</li> <li>• Do not apply within 7 days of harvest (7-day PHI).</li> </ul>			

Crop	Diseases	Rate fl. oz./Acre	Remarks
<b>Bulb Vegetables</b> Onion, bulb Garlic Shallot  Onion, green Leek Welch onion  See additional crops below.	Botrytis Leaf Blight ( <i>B. squamosa</i> ) Cercospora Leaf Spot ( <i>C. duddiae</i> ) Leaf Blotch ( <i>Cladosporium allii-cepae</i> ) Powdery Mildew ( <i>Leveillula taurica</i> ) Purple Blotch ( <i>Alternaria porri</i> ) Stemphyllium Leaf Blight ( <i>S. vesicarium</i> )  Suppression: Black Mold ( <i>Aspergillus niger</i> )	16 - 20	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 7- to 10-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 and highest rate.
<b>Application:</b> Application may be by ground, air, or chemigation. For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 5 gal./A spray volume by air. Use a minimum of 15 gal./A for ground applications. If using more than 40 gal./A, refer to Application Instructions under MIXING AND APPLICATION METHODS. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			

**Complete List of Bulb Vegetables:** Chive, fresh leaves; chive, Chinese, fresh leaves; daylily, bulb; elegans hosta; fritillaria, bulb; fritillaria, leaves; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; kurrat; lady's leek; leek; leek, wild; lily, bulb; onion, Beltsville bunching; onion, bulb; onion, Chinese, bulb; onion, fresh; onion, green; onion, macrostem; onion, pearl; onion, potato, bulb; onion, tree, tops; onion, Welsh, tops; shallot, bulb; shallot, fresh leaves; cultivars, varieties, and/or hybrids of these.

**Specific Use Restrictions:**

- Make no more than two applications by air.
- For green onions, do not apply more than 60 fl. oz./A of Inspire Super per season.
- For dry bulb onions, do not apply more than 80 fl. oz./A of Inspire Super per season.
- For green onions, do not apply more than 0.34 lb. a.i./A/season of difenoconazole-containing products.
- For dry bulb onions, do not apply more than 0.46 lb. a.i./A/season of difenoconazole-containing products.
- Do not apply more than 1.3 lb. a.i./A/season of cyprodinil-containing products.
- For bulb onions, do not apply within 7 days of harvest (7-day PHI).
- For green onions, do not apply within 14 days of harvest (14-day PHI).

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Crop	Diseases	Rate fl. oz./Acre	Remarks
<p><b>Cucurbit Vegetables</b></p> <p>Cantaloupe Cucumber Honeydew Muskmelon Watermelon Pumpkin Squash Zucchini</p> <p>Including cultivars and/or hybrids of these.</p> <p>See additional cucurbit crops below.</p>	<p>Alternaria Leaf Blight (<i>A. cucumerina</i>) Alternaria Leaf Spot (<i>A. alternata</i>) Anthracnose (<i>Colletotrichum orbiculare</i>) Cercospora Leaf Spot (<i>C. citrullina</i>) Gummy Stem Blight (<i>Didymella bryoniae</i>) Phoma Blight (<i>P. exigua</i>) Phyllosticta Leaf Spot (<i>P. cucurbitacearum</i>) Plectosporium Blight (<i>P. tabacinum</i>) Powdery Mildew (<i>Sphaerotheca fuliginea</i>, <i>Erysiphe cichoracearum</i>) Septoria Leaf Blight (<i>S. cucurbitacearum</i>)</p>	<p>16 - 20</p>	<p>Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 7-10 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.</p> <p>If disease pressure is high, use the shortest interval and highest rate.</p>
<p><b>Application:</b> Application may be made by ground, air, or chemigation. For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 30 gal./A for ground applications (20 for gummy stem blight). If using more than 40 gal./A, refer to Application Instructions under MIXING AND APPLICATION METHODS. Use a minimum of 10 gal./A of water for aerial applications. Make no more than two applications by air. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.</p>			
<p><b>Complete List of Cucurbit Vegetables:</b> Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); <i>Momordica</i> spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (includes cantaloupe); pumpkin; squash, summer; squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon.</p>			
<p><b>Specific Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• Make no more than two applications by air.</li> <li>• Do not apply more than 80 fl. oz./A of Inspire Super per season.</li> <li>• Do not apply more than 0.46 lb. a.i./A/season of a difenoconazole-containing product.</li> <li>• Do not apply more than 1.3 lb. a.i./A/season of a cyprodinil-containing product.</li> <li>• Do not apply within 7 days of harvest (7-day PHI).</li> </ul>			

Crop	Diseases	Rate fl. oz./Acre	Remarks
<b>Fruiting Vegetable Crop Group 8-10</b> Eggplant Groundcherry Pepino Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper) Tomatillo Tomatoes See additional crops in this subgroup below.	Anthracnose ( <i>Colletotrichum</i> spp.) Black Mold ( <i>A. alternata</i> ) Early Blight ( <i>Alternaria solani</i> ) Gray Leaf Spot ( <i>Stemphylium botryosum</i> ) Gray Mold ( <i>Botrytis cinerea</i> ) Powdery Mildew ( <i>Leveillula taurica</i> ) Septoria Leaf Spot ( <i>S. lycopersici</i> ) Target Spot ( <i>Corynespora cassicola</i> ) Leaf Mold ( <i>Fulvia fulva</i> )	16 - 20	Begin applications prior to disease development and continue throughout the season on a 7- to 10-day interval. Make no more than 2 consecutive applications before switching to another effective fungicide with a different mode of action.  If disease pressure is high, use the shortest interval and highest rate.  The addition of a spreading/penetrating type adjuvant may enhance efficacy.
<b>Application:</b> Application may be made by ground, air, or chemigation. Use a minimum of 30 gal./A for ground application. If using more than 40 gal./A, refer to Application Instructions under MIXING AND APPLICATION METHODS. Use a minimum of 10 gal./A spray volume by air. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
<b>Fruiting Vegetables Subgroup:</b> African eggplant; bush tomato; bell pepper; cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry; martynia; naranjilla; okra; pea eggplant; pepino; pepper, bell; pepper, nonbell; roselle; scarlet eggplant; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties, and/or hybrids of these.			
<b>Specific Use Restrictions:</b> <ul style="list-style-type: none"> <li>• Make no more than two applications by air.</li> <li>• Do not apply more than 47 fl. oz./A/season of Inspire Super.</li> <li>• Do not apply more than 0.46 lb. a.i./A/season of difenoconazole-containing products.</li> <li>• Do not apply more than 1.3 lb. a.i./A/season of cyprodinil-containing products.</li> <li>• May be applied the day of harvest (0-day PHI).</li> </ul>			

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Crop	Diseases	Rate fl. oz./Acre	Remarks
<b>Grapes</b> (except Concord, Concord Seedless, and Thomcord. See <b>Precaution</b> under <b>Remarks</b> )	Powdery Mildew ( <i>Uncinula necator</i> ) Botrytis Bunch Rot and Blight ( <i>B. cinerea</i> ) Alternaria Rot ( <i>A. alternata</i> ) Rotbrenner ( <i>Pseudopezicula tracheiphila</i> ) Septoria Leaf Spot ( <i>S. ampelina</i> ) Black Rot ( <i>Guignardia bidwellii</i> ) Angular Leaf Spot ( <i>Mycosphaerella angulata</i> ) Anthracnose ( <i>Elsinoe ampelina</i> ) Leaf Blight ( <i>Pseudocercospora vitis</i> )	16 - 20	For powdery mildew, begin at bud break and apply on a 10- to 21-day interval, making no more than 2 sequential applications before alternating to a fungicide with a different mode of action.  For black rot - begin when shoot length is 1-3 inches and continue on a 10-day interval.  For all other diseases, begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 10-21 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 and highest rate.  <b>PRECAUTION: On <i>V. labrusca</i>, <i>V. labrusca</i> hybrids and other non-vinifera hybrids where sensitivity is not known, the use of Inspire Super by itself or in tank mixtures with materials that may increase uptake (adjuvants, foliar fertilizers) may result in leaf burning or other phytotoxic effects.</b>
<b>Application:</b> Application may be made by ground or air. For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 30 gal./A for ground applications. If using more than 40 gal./A, refer to Application Instructions under MIXING AND APPLICATION METHODS. Use a minimum of 10 gal./A of water for aerial applications. Use ground application for best results.			
<b>Specific Use Restrictions:</b> <ul style="list-style-type: none"> <li>• Make no more than two applications by air.</li> <li>• Do not apply more than 80 fl. oz./A of Inspire Super per season.</li> <li>• Do not apply more than 0.46 lb. a.i./A of a difenoconazole-containing product.</li> <li>• Do not apply more than 1.4 lb. a.i./A of a cyprodinil-containing product.</li> <li>• Do not apply within 14 days of harvest (14-day PHI).</li> </ul>			

Crop	Diseases	Rate fl. oz./Acre	Remarks
Pistachios	Alternaria Late Blight <i>(Alternaria spp.)</i> Botrytis <i>(Botrytis spp.)</i> Panicle and Shoot Blight <i>(Botryosphaeria dothidea)</i>	16 - 20	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super 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 and highest rate.
	<b>Application:</b> Application may be made by ground or air. For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 50 gal./A for ground applications. Use a minimum of 10 gal./A of water for aerial application. Use ground application for best results.		
<b>Specific Use Restrictions:</b> <ul style="list-style-type: none"> <li>• Make no more than two applications by air.</li> <li>• Do not apply more than 80 fl. oz./A of Inspire Super per crop.</li> <li>• Do not apply more than 0.46 lb. a.i./A of difenoconazole-containing products.</li> <li>• Do not apply more than 1.3 lb. a.i./A of cyprodinil-containing products.</li> <li>• Do not apply within 14 days of harvest (14-day PHI).</li> </ul>			

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Crop	Diseases	Rate fl. oz./Acre	Remarks
<p><b>Pome Fruit Crop Group 11-10</b></p> <p>Apple Crabapple Loquat Mayhaw Pear Pear, Oriental Quince</p> <p>See additional crops in this subgroup below.</p>	<p>Alternaria Blotch (<i>Alternaria</i> spp.) Brooks Fruit Spot (<i>Mycosphaerella pomi</i>) Cedar Apple Rust (<i>Gymnosporangium juniperi-virginianae</i>) Flyspeck (<i>Zygophiala jamacaicensis</i> (Formerly known as <i>Schizothyrium pomi</i>) Powdery Mildew (<i>Podosphaera leucotricha</i>) Quince Rust (<i>Gymnosporangium</i> spp.) Scab (<i>Venturia</i> spp.) Sooty Blotch (<i>Gloeodes pomigena</i>)</p>	<p>12</p>	<p><b>Apple Scab - Protective Spray Schedule:</b> Apply every 7-10 days starting at 1/4-1/2 inch green tip or when environmental conditions become conducive for scab. Continue through petal fall until the threat of primary scab is complete. For improved fruit scab control, combine Inspire Super with a protectant fungicide registered to control apple scab beginning at bloom.</p> <p><b>Apple Scab - Curative Spray Schedule:</b> Use a forecasting system beginning at green tip. Apply within 48 hours of the onset of an infection period. Apply a follow-up spray within 7 days. For improved fruit scab control, combine Inspire Super with a protectant fungicide registered to control apple scab beginning at bloom.</p> <p><b>Powdery Mildew:</b> Begin applications at tight cluster, and continue on a 7- to 10-day schedule. Follow Inspire Super with other fungicides as needed.</p> <p><b>Cedar-Apple Rust, Quince Rust, and Brooks Fruit Spot:</b> Begin applications preventively. Apply Inspire Super alone or in combination with a protectant fungicide on a 7- to 10-day schedule through the second cover spray.</p> <p><b>Sooty Blotch, Flyspeck:</b> Begin applications preventively. Apply Inspire Super alone or in combination with a protectant fungicide on a 7- to 14-day schedule. <b>NOTE:</b> Follow preharvest restrictions below.</p> <p>If disease pressure is high, use the shortest interval.</p>

Crop	Diseases	Rate fl. oz./Acre	Remarks
<b>Pome Fruit Crop Group 11-10</b> Apple Crabapple Loquat Mayhaw Pear Pear, Oriental Quince  See additional crops in this sub- group below. <i>(continued)</i>	<p><b>Resistance Management:</b> To help prevent resistance, it is recommended to make no more than 2 consecutive applications with Inspire Super before alternating to a different mode of action (non-Group 3 and non-Group 9).</p> <p><b>Application:</b> For best results, sufficient water volume must be used to provide thorough coverage. Inspire Super can be applied by either ground or aerial application. Use a minimum of 50 gal./A for ground applications. If using more than 40 gal./A, refer to Application Instructions under MIXING AND APPLICATION METHODS. Use a minimum of 10 gal./A of water for aerial applications. Use ground application for best results.</p>		
<p><b>Pome Fruit Subgroup:</b> Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these.</p>			
<p><b>Specific Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• Make no more than two applications by air.</li> <li>• Do not apply more than 60 fl. oz./A/season of Inspire Super.</li> <li>• Do not apply more than 0.33 lb. a.i./A/season of difenoconazole-containing products.</li> <li>• Do not apply more than 1.25 lb. a.i./A/season of cyprodinil-containing products.</li> <li>• Do not apply within 14 days of harvest (14-day PHI).</li> </ul>			

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Crop	Diseases	Rate fl. oz./Acre	Remarks
<b>Stone Fruit</b> Apricots Cherries, Tart Nectarines Peaches Plums Plumcot Prunes  And cultivars and/or hybrids of these.	Alternaria Spot and Fruit Rot ( <i>A. alternata</i> ) Anthracnose ( <i>Colletotrichum</i> spp.) Brown Rot Blossom Blight and Fruit Rot <i>Monilinia fructicola</i> , <i>M. laxa</i> ) Leaf Rust ( <i>Tranzschelia</i> <i>discolor</i> ) Powdery Mildew ( <i>Sphaerotheca</i> <i>pannosa</i> , <i>Podosphaera</i> <i>clandestina</i> ) Scab ( <i>Cladosporium</i> <i>carpophilum</i> ) Shot Hole ( <i>Wilsonomyces</i> <i>carpophilus</i> )	16 - 20	For brown rot blossom blight, begin applications at early bloom and make a second application at full bloom. 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 regis- tered non-Group 3 fungicide.  If disease pressure is high, use the shortest interval and highest rate.
<p><b>Application:</b> Application may be by ground or air. For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 10 gal./A spray volume by air. Use a minimum of 50 gal./A for ground applications. If using more than 40 gal./A, refer to Application Instructions under MIXING AND APPLICATION METHODS.</p>			
<p><b>Specific Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• Make no more than two applications by air.</li> <li>• Do not apply Inspire Super to sweet cherries.</li> <li>• Do not apply more than 80 fl. oz. of Inspire Super per crop per year.</li> <li>• Do not apply more than 0.46 lb. a.i./A of difenoconazole-containing product per crop per season.</li> <li>• Do not apply more than 1.4 lb. a.i./A of cyprodinil-containing products per crop per year.</li> <li>• Do not apply within 2 days of harvest (2-day PHI).</li> </ul>			

### Product Conversion Table

Fl. oz. product/acre	Lb. a.i. difenoconazole	Lb. a.i. cyprodinil
8.5	0.048	0.14
10.0	0.057	0.16
11.0	0.063	0.18
12.0	0.068	0.20
14.0	0.08	0.23
16.0	0.09	0.26
18.0	0.10	0.29
20.0	0.114	0.33

## STORAGE AND DISPOSAL

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

### Pesticide Storage

Store in a cool, dry place. Do not store near seeds, fertilizers, or foodstuffs.

### Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticides, 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 at the nearest EPA Regional Office for guidance.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

### 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  $\frac{1}{4}$  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.

## **STORAGE AND DISPOSAL (continued)**

### **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 the 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 other procedures allowed by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

Inspire Super®, the ALLIANCE FRAME   
the SYNGENTA Logo and the PURPOSE ICON   
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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 1317A-L1F 0812**  
**4015478**

GROUP 3 | 9 FUNGICIDES



# Fungicide

Active Ingredients:	
Difenoconazole*	8.4%
Cyprodinil**	24.1%
Other Ingredients:	
	67.5%
Total:	100.0%

\*CAS No. 119446-68-3  
\*\*CAS No. 121552-61-2

Contains 0.73 lb. of difenoconazole active ingredient and 2.09 lb. of cyprodinil active ingredient per gallon.

See additional precautionary statements and directions for use inside booklet.

### 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. 100-1317 EPA Est. 086555-MO-001

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

SCP 1317A-L1F 0812  
4015478

# 1 gallon

Net Contents

## KEEP OUT OF REACH OF CHILDREN.

# CAUTION

### Precautionary Statements

Hazards to Humans and Domestic Animals  
**CAUTION**

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

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:** Difenoconazole and cyprodinil are toxic to fish, mammals and aquatic invertebrates. Drift and runoff may be hazardous to aquatic estuarine/marine organisms in water adjacent to treated area. For terrestrial uses: 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 wash-water or rinsate.

**Surface and Ground Water Advisory:** The chemicals in this product may contaminate water through drift or spray in wind. 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. These chemicals have potential for runoff for several months or

more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains these chemicals. A level, well maintained vegetative buffer strip between areas to which these chemicals are applied and surface water features such as ponds, streams, and springs will reduce the potential loading of difenoconazole and cyprodinil from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control will reduce this product's potential to reach surface water.

### Storage and Disposal

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

**Pesticide Storage:** Store in a cool, dry place. Do not store near seeds, fertilizers, or foodstuffs.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticides, 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 at the nearest EPA Regional Office for guidance. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

**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.

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



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