

100-1317

04-21-2010

1/40



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

APR 21 2010

Ruhi Rezaaiyan
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

SUBJECT: Label Amendment
Inspire Super
EPA Reg. No. 100-1317; Decision 403566
Your Submission Dated November 14, 2008

Dear Ms. Rezaaiyan:

The amended master, container and supplemental labeling referred to above, submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended to add the following crops; bulb vegetables, brassica (cole) leafy vegetables, cucurbit vegetables, citrus fruit, grapes, tree nuts and pistachios, is acceptable provided that you:

1. Make the following changes to the master, container, and supplemental labels:

- On page 2, the Hazards to Humans and Domestic Animals section must read as follows: "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, or using tobacco. Remove and wash contaminated clothing before reuse."
- On page 6, delete "in annual crops where....plot of land", because the 1.3 lb Ai is not specific to cyprodinil and conflicts with maximums for this Ai throughout the label.
- In the Specific Use Restrictions, for all crops with the exception of nuts: you must state "per season." The nut crops must state "per crop."

- On page 18, add the following statement to the end of the Application section "If disease pressure is high use the shortest interval."
- On page 20, delete the second line in the Product Conversion Table because there is no 8.5 oz rated listed on this label.

Because there is a website reference on page 8, the following applies:

Should you wish to add/retain a reference to the company's website on page 8 of your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

As an alternative, you may refer consumers to the company's phone number or email address.

2. As a condition of registration the following conditional data need to be satisfied as specified in this letter:

A. Supporting storage stability (860.1380) data for the triazole metabolites are required to support the storage conditions (frozen) and intervals (up to 24.8 months) of raw agricultural and processed commodity samples collected for the studies reviewed. The U.S. Triazole Task Force (USTTF), whose members include Syngenta Crop Protection, Inc. among others, submitted a multi-year storage stability study for the triazole metabolites in various crop matrices and processed commodities (MRID 47606601) which is currently under review in HED (D363016). **Approval of the new uses herein are conditioned upon acceptance of this submitted study.**

B. The requirement for storage stability data for cattle commodities that was previously identified in DP# 340379 (8/9/07, W. Wassell and M. Sahafeyan) is a requirement to support this action. Data depicting the stability of residues of difenoconazole and CGA 205375 in milk and cattle tissues during frozen storage for up to 10 months for milk and 9 months for tissues is still needed, along with the studies cited by the petitioner (report numbers ABR-93012 and 202/99), which contain storage stability data for difenoconazole and CGA 205375.

Additionally, there are no poultry feedstuff associated with the uses being approved, but the requirement for storage stability data for poultry commodities that was previously identified in DP# 340379 (8/9/07, W. Wassell and M. Sahafeyan) is still needed, as well as data depicting the

stability of residues of difenoconazole and CGA 205375 in egg and poultry tissue samples during frozen storage for up to 7 months for egg and 6 months for tissue samples. The cited studies (report numbers ABR-93012 and 202/99), which contain storage stability data for difenoconazole and CGA 205375, are needed.

Syngenta submitted a response to these requirement on 1/18/10 under EPA Reg. No. 100-1262, via MRIDs 47957201; 47957202, and 47957203. **Approval of the new uses herein are conditioned upon acceptance of these submitted studies.**

C. Confined accumulation in rotational crops - **Submit by 4/7/2011.** The requirement for an additional confined rotational crop study (860.1850) that was previously identified in DP# 344680 (11/5/07, M. Sahafeyan) is still needed. Submit a confined rotational crop study which reflects phenyl-ring labeling at 1x the proposed maximum seasonal foliar application rate (0.46 lb ai/A).

D. Immunotoxicity study (870.7800) - **Submit by November 30, 2011.**

E. Freshwater Fish Toxicity Study (850.1075): **Submit by 4/7/2011.** Data that satisfy this requirement were provided for the bluegill sunfish and rainbow trout. However, the fathead minnow was the species used for the freshwater fish early-life stage study (850.1400) requirement. Because this test species is different from the two species used for the freshwater fish acute toxicity tests, a 96-hour LC50 for fathead minnow is needed.

F. Estuarine/Marine fish Early-Life Stage study (850.1400): **Submit by 4/7/2011.** No data were available to assess the chronic toxicity of difenoconazole to estuarine/marine fish. A study evaluating the chronic effects of difenoconazole on sheepshead minnow is needed to satisfy this data requirement. The LC50s for estuarine/marine fish were comparable to the LC50s for freshwater fish, suggesting similar acute sensitivity to difenoconazole. However, it was not possible to use the acute to chronic ratio (ACR) as the acute and chronic freshwater fish studies utilized two different species. Because of its expected use or mobility patterns, difenoconazole may enter estuarine/marine environments in significant concentrations. In the absence of acceptable data, potential chronic risks to estuarine/marine fish are unknown but RQs would be assumed to exceed LOCs for listed species.

G. Submitted data for freshwater fish were classified as supplemental; therefore, acceptable data for freshwater fish is also required. **Submit by 4/7/2011.** The test may be repeated with the fathead minnow or be conducted using a rainbow trout (preferred) or bluegill sunfish. The submitted fathead minnow early-life study was classified as supplemental. If the study is repeated with either a rainbow trout (preferred) or bluegill sunfish and found to be acceptable, the data gap for the fathead minnow acute toxicity test would be eliminated.

However, if the early-life stage study is repeated with the fathead minnow, then the data gap for the fathead minnow acute toxicity test remains.

H. Estuarine/Marine Invertebrate Life Cycle Study (850.1350): The submitted mysid shrimp study was classified as supplemental because reproductive effects were observed at all treatment levels. Acceptable estuarine/marine invertebrate data, which establishes a definitive NOAEC, is required. A new mysid study was submitted to EPA as a condition of registration on January 19, 2009, MRID No. 47648603. **Approval of the new uses herein are conditioned upon acceptance of this submitted study.**

I. Avian Acute Oral Toxicity Study (850.2100): **Submit by 4/7/2011.** Data that assess the effects of difenoconazole for one passerine species, AND either one waterfowl species or one upland game bird species for terrestrial, aquatic, forestry, and residential outdoor uses, are required. The current method of calculating a weight-adjusted LD50 using bobwhite quail or mallard duck data may over- or under-estimate risks to passerines because these birds may metabolize the chemical differently. Because the 850.2100 guideline has not yet been finalized, protocols for the study of passerine species should be submitted to EPA for approval prior to study initiation.

J. Terrestrial Plant Toxicity, Tier I (seeding emergence) (850.4100): **Submit by 4/7/2011.** Testing of a typical end-use product (TEP) is required for all pesticides having outdoor uses at the proposed maximum application rate. Tier II studies are not required unless Tier I studies indicate a $\geq 25\%$ effect to various growth parameters relative to the control. The submitted non-GLP study (MRID 469502-02; supplemental), which tested multiple concentrations, does not measure growth or other required endpoints. Currently, the lack of acceptable data caused habitat modification to be assumed as an indirect effect to all listed species.

K. Terrestrial Plant Toxicity, Tier I (vegetative vigor) (850.4150): **Submit by 4/7/2011.** Testing of a TEP is required for all pesticides having outdoor uses at the proposed maximum application rate. Tier II studies are not required unless Tier I studies indicate a $\geq 25\%$ effect to various growth parameters relative to the control. The submitted non-GLP study (MRID 469502-03; supplemental), which tested multiple concentrations, does not measure growth or other required endpoints. Currently, the lack of acceptable data causes habitat modification to be assumed as an indirect effect to all listed species.

L. Metabolite toxicity studies - **Submit by 4/7/2012.** Due to the degradation of difenoconazole to the major metabolites CGA-71019 (1,2,4-triazole) and CGA-142856 (triazolyl acetic acid), which are of toxicological concern, an ecological risk assessment is still required to determine the exposure and effects to non-target terrestrial and aquatic organisms. Therefore,

5/40

studies evaluating the acute effects of these two degradates on fish, birds, and daphnids are required. These data requirements can be satisfied by the following three guidelines: Avian Acute Oral Toxicity Study (850.2100); Acute Freshwater Fish Toxicity Study (850.1075); Acute Freshwater Invertebrate Toxicity Study (850.1010).

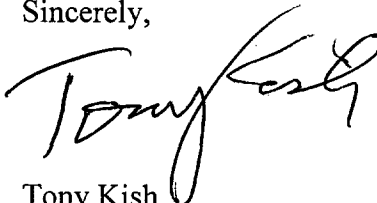
M. Sediment dwelling organisms - There is uncertainty associated with risk to sediment dwelling organisms. Pore water concentrations indicated that the concentrations of difenoconazole in the sediment are similar to that in the water column. Because difenoconazole is persistent, a study evaluating risk to sediment dwelling organisms was previously identified as a data gap. A sediment toxicity study determining the effects of difenoconazole residues to benthic organisms has been submitted and is currently under review to determine if it satisfies the data requirement. This sediment toxicity study was submitted as a condition of registration on January 18, 2009 via MRID No. 47648601. **Approval of the new uses herein are conditioned upon acceptance of this submitted study.**

A copy of the label stamped "accepted with comments" is enclosed.

Submit one copy of your final printed labeling before you release the product for shipment.

If you have any questions regarding this correspondence, contact Rose Kearns of my staff by phone at 703-305-5611 or via email at kearns.rosemary@epa.gov or myself at 703-308-9443 or via email at kish.tony@epa.gov.

Sincerely,



Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7504P)

Enclosure

6/49

GROUP 3 9 FUNGICIDES

Inspire Super™

Fungicide

Active Ingredients:	
Difenoconazole*	8.4%
Cyprodinil**	24.1%
<hr/>	
Other Ingredients:	67.5%
<hr/>	
Total:	100.0%

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

Contains 0.73 lbs. of difenoconazole active ingredient and 2.09 lbs 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.

SCP 1317A

**ACCEPTED
with COMMENTS
In EPA Letter Dated
APR 21 2010**

Net Contents

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.**
100-1317

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 in eyes	<ul style="list-style-type: none"> • 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	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

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.

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. Do not apply directly to water, 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. 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 for contamination of water from rainfall runoff. 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, INC. or Seller. To the extent consistent with 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 consistent with 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 CONSISTENT WITH 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 consistent with 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 CONSISTENT WITH 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, 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

GENERAL 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 Cucurbit vegetables Tomatoes	0 days
Canola Cereals (wheat, barley, triticale) Cotton Fruiting vegetables Potatoes Sugar beets Sweet corn Tuberous & Corm vegetable subgroup	30 days
All other crops intended for food and feed	8 Months

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

Aerial use is for California only. Make no more than one aerial application per season. For the crops to which aerial applications are allowed, refer to the specific crop directions for use.

GENERAL INFORMATION

Inspire Super is a broad-spectrum product containing two fungicides. It has preventative, systemic and curative properties and is recommended 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.

GENERAL 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): Inspire Super should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. 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 apple phytotoxicity.

Spray Drift Management: To avoid spray drift, do not apply when conditions favor drift beyond the target area. 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. More information on managing spray drift can be found on the SYNGENTA CROP PROTECTION website under Stewardship ([http://www.syngentacropprotection-us.com/enviro/driftmanagement/index.asp?nav=drift management](http://www.syngentacropprotection-us.com/enviro/driftmanagement/index.asp?nav=drift%20management)).

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 manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

Mixing Instructions

- Inspire Super is a suspension concentrate (SC) 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 $\frac{1}{2}$ - $\frac{2}{3}$ 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.

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.

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 bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries.
- 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.
- Shut off the sprayer when row ends.
- Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas. Avoid spray going over the tops of trees by adjusting or turning off top nozzles. 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.
- 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.

Ground Application

- Apply in a minimum of 10 gals. 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 Application

- Use only on crops where aerial applications are indicated.
- Thorough coverage is necessary to provide good disease control.
- Apply in a minimum of 5 gallons of water per acre unless specified otherwise.
- Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.
- Do not apply directly to humans or animals.
- Do not apply through any ultra-low volume (ULV) spray system.

SPECIFIC DIRECTIONS FOR USE

Crop	Diseases	Rate fl. oz./Acre	Remarks
Almonds	Blossom Blight (<i>Monilinia</i> spp.)	10 - 12	<p>For blossom blight, apply 10-12 oz. of Inspire Super during the bloom period. The minimum retreatment interval is 14 days. Make no more than 2 sequential applications before alternating to another fungicide with a different mode of action.</p> <p><i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.</p> <p><i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval.</p> <p><i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.</p>
	Alternaria leafspot (<i>A. alternata</i>) Scab (<i>Cladosporium carpophila</i>) Green fruit rot (<i>Botrytis cinerea</i>)	16 - 20	<p>For Alternaria leafspot 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.</p> <p>Make no more than 2 sequential applications before alternating to another fungicide with a different mode of action.</p> <p>The minimum retreatment interval is 14 days.</p> <p><i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.</p> <p><i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval.</p> <p><i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.</p>
	Anthracnose (<i>Colletotrichum acutatum</i>) Leaf Blight (<i>Seimatosporium lichenicola</i>) Leaf Rust (<i>Tranzschelia discolor</i>) Shot hole (<i>Wilsonmyces carpophilus</i>)	16 - 20	<p>For all other diseases, use 16-20 oz./A. Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 14-21 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. The minimum retreatment interval is 14 days.</p> <p><i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.</p> <p><i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval.</p> <p><i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.</p>
<p>Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.</p>			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not use an adjuvant.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop
- Do not apply more than 0.46 lb. ai/A per season of difenoconazole containing products.
- Do not apply more than 1.4 lbs. ai/A of a cyprodinil containing products.
- Do not apply within 60 days of harvest (60 day PHI).

07/11

Crop	Diseases	Rate fl. oz./Acre	Remarks
Brassica (Cole) leafy Vegetables subgroup Broccoli Brussels sprouts Cabbage Cauliflower Collards Kale Mustard greens See additional crops below. Including all cultivars and/or hybrids of these.	Alternaria diseases (<i>Alternaria</i> spp.) Anthracnose (<i>Colletotrichum higginsianum</i>) Cercospora leafspot (<i>C. brassicicola</i>) Powdery mildew (<i>Erysiphe polygoni</i>) Gray Mold (<i>Botrytis cinerea</i>)	14 - 20	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. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended.			

Complete list of brassica leafy vegetables: 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

Specific Use Restrictions:

- Application may be by ground only.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A/season of a difenoconazole containing product.
- Do not apply more than 1.3 lbs. ai/A/season of a cyprodinil containing product.
- Do not apply within 7 days of harvest (7 day PHI).

12/49

Crop	Diseases	Rate fl. oz./Acre	Remarks
Bulb Vegetables Onion, bulb Garlic Shallot Onion, green Leek Welch onion	Cercospora leafspot (<i>C. duggiae</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>) Botrytis leaf blight (<i>B. squamosa</i>) Suppression: Black mold (<i>Aspergillus niger</i>)	14 - 20	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. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Minimum of 15 gals./A for ground applications is recommended.			

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:

- Application may be made by ground only.
- For green onions, do not apply more than 60 fl. ozs./A of Inspire Super per crop.
- For dry bulb onions, do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- For green onions, do not apply more than 0.34 lb. ai/A/season of difenoconazole containing products.
- For dry bulb onions, do not apply more than 0.46 lb. ai/A/season of difenoconazole containing products.
- Do not apply more than 1.3 lbs. ai/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).

5/2

Crop	Diseases	Rate fl. oz./Acre	Remarks
Citrus Lemon Lime	Greasy spot (<i>Mycosphaerella citri</i>) Melanose (<i>Diaporthe citri</i>) Scab (<i>Elsinoe fawcettii</i>) Albinism (<i>Alternaria alternata</i> <i>pv citri</i>) Post bloom fruit drop (PFD) (<i>Colletotrichum</i> <i>acutatum</i>) Alternaria leaf and fruit spot (<i>Alternaria citri</i>) Diplodia stem-end rot (<i>Diplodia natalensis</i>) Phomopsis stem-end rot (<i>Phomopsis citrii</i>) Anthracnose (<i>Colletotrichum</i> spp.) Black spot (<i>Guignardia citricarpa</i>) Blue mold (<i>Penicillium italicum</i>) Green mold (<i>Penicillium digitatum</i>)	14 - 20	Inspire Super applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates. A horticultural spray oil should be used to improve control of greasy spot. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire Super can be applied by either ground or aerial application. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not apply more than 20 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.5 lb. ai/A of difenoconazole containing products per crop.
- Do not apply more than 0.33 lb. ai/A of cyprodinil containing products per crop.
- Do not apply within 7 days of harvest (7 day PHI).

5/6

Crop	Diseases	Rate fl. oz./Acre	Remarks
<p>Cucurbit Vegetables</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>Powdery mildew (<i>Sphaerotheca fuliginea</i>, <i>Erysiphe cichoracearum</i>) Alternaria leaf blight (<i>A. cucumerina</i>) Alternaria leaf spot (<i>A. alternata</i>) Anthracnose (<i>Colletotrichum orbiculare</i>) Cercospora leafspot (<i>C. citrullina</i>) Gummy stem blight (<i>Didymella bryoniae</i>) Septoria leaf blight (<i>S. cucurbitacearum</i>) Plectosporium blight (<i>P. tabacinum</i>) Phoma blight (<i>P. exigua</i>) Phyllosticta leafspot (<i>P. 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><i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.</p> <p><i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval.</p> <p><i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.</p>

Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended (20 for gummy stem blight). For aerial applications a minimum of 10 gals./A of water is recommended.

Complete list of cucurbit vegetables: Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); *Momordica* 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.

Specific Use Restrictions:

- Application may be made by ground only.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A/season of a difenoconazole containing product.
- Do not apply more than 1.3 lbs. ai/A/season of a cyprodinil containing product.
- Do not apply within 7 days of harvest (7 day PHI).

Crop	Diseases	Rate fl. oz./Acre	Remarks
Grapes	Powdery mildew <i>(Uncinula necator)</i> Botrytis bunch rot and blight <i>(B. cinerea)</i> Alternaria rot <i>(A. alternata)</i> Rotbrenner <i>(Pseudopezizicola tracheiphila)</i> Septoria leaf spot <i>(S. ampelina)</i> Phomopsis cane and leafspot <i>(P. viticola)</i> Black Rot <i>(Guignarda bidwellii)</i> Angular leafspot <i>(Mycosphaerella angulata)</i> Anthracnose <i>(Elsinoe ampelina)</i> Leaf Blight <i>(Pseudocercospora vitis)</i>	14 - 20	For powdery mildew, begin at bud break and apply on a 10-14 day interval, making no more than 2 sequential applications before alternating to a fungicide with a different mode of action. For Phomopsis diseases, apply at bud break, before shoots are 0.5 inches in length, and then again when shoots are 5-6 inches in length. 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 10-14 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A of a difenoconazole containing product.
- Do not apply more than 1.4 lbs. ai/A of a cyprodinil containing product.
- Do not apply within 14 days of harvest (14 day PHI).

Crop	Diseases	Rate fl. oz./Acre	Remarks
Pistachios	Panicle and Shoot Blight <i>(Botryosphaeria dothidea)</i> Alternaria late blight <i>(Alternaria spp.)</i> Botrytis <i>(Botrytis spp.)</i>	16 - 20	Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 14-21 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not use an adjuvant.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A of difenoconazole containing products.
- Do not apply more than 1.3 lbs. ai/A of cyprodinil containing products.
- Do not apply within 14 days of harvest (14 day PHI).

2/20

Crop	Diseases	Rate fl. oz./Acre	Remarks
<p>Pome Fruit</p> <p>Apple</p> <p>Crabapple</p> <p>Loquat</p> <p>Mayhaw</p> <p>Pear</p> <p>Pear, Oriental</p> <p>Quince</p>	<p>Alternaria blotch (<i>Alternaria</i> spp.)</p> <p>Brooks fruit spot (<i>Mycosphaerella pomii</i>)</p> <p>Cedar apple rust (<i>Gymnosporangium juniperi-virginianae</i>)</p> <p>Flyspeck (<i>Zygothia jamaicensis</i> (Formerly known as <i>Schizothyrium pomii</i>)</p> <p>Powdery mildew (<i>Podosphaera leucotricha</i>)</p> <p>Quince rust (<i>Gymnosporangium</i> spp.)</p> <p>Scab (<i>Venturia</i> spp.)</p> <p>Sooty blotch (<i>Gloeodes pomigena</i>)</p>	<p>2.5</p>	<p>Apple Scab - Protective Spray Schedule: Apply every 7-10 days starting at ¼-½ 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>Powdery Mildew: Begin applications at tight cluster, and continue on a 7-10 day schedule. Follow Inspire Super with other fungicides as needed.</p>
<p>Resistance Management: 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>Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire Super can be applied by either ground or aerial application. A minimum of 40 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is required.</p>			

Specific Use Restrictions:

- Do not apply more than 10 fl. ozs./A/season of Inspire Super.
- Do not apply more than 0.33 lb. ai/A/season of difenoconazole containing products.
- Do not apply more than 1.4 lb ai/A/season of cyprodinil containing products.
- Do not apply with 72 days of harvest (72 day PHI).

23
40

Crop	Diseases	Rate fl. oz./Acre	Remarks
Tomatoes Tomatillo	Early blight <i>(Alternaria solani)</i> Black mold <i>(A. alternata)</i> Gray leafspot <i>(Stemphylium botryosum)</i> Powdery mildew <i>(Leveillula taurica)</i> Septoria leafspot <i>(S. lycopersici)</i> Target spot <i>(Corynespora cassiicola)</i> Anthracnose <i>(Colletotrichum spp.)</i> Leaf mold <i>(Fulvia fulva)</i>	14 - 20	Begin applications prior to disease development and continue throughout the season on a 7-10 day interval. Make no more than 2 consecutive applications before switching to another effective fungicide with a different mode of action. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate. The addition of a spreading/penetrating type adjuvant may enhance efficacy.
Application: For best results, use sufficient water volume to provide thorough coverage.			

Specific Use Restrictions:

- Application may be made by ground only.
- Do not apply more than 47 fl. ozs./A/season of Quadris Top.
- Do not use on varieties in which the mature tomatoes will be less than 2 inches (such as cherry tomatoes).
- Do not apply more than 0.46 lb. ai/A/season of difenoconazole containing products.
- Do not apply more than 1.3 lb. ai/A/season of cyprodinil containing products.
- May be applied the day of harvest (0 day PHI).

24
40

Product Conversion Table

Oz. product/acre	Lb. ai difenoconazole	Lb. ai cyprodinil
2.5	0.014	0.04
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 or 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 Disposal

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

Residue Removal

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store

rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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

Inspire Super™, the Syngenta logo, and the CP FRAME are trademarks of a Syngenta Group Company

©201X Syngenta

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

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

SCP 1317A

27
40

[CONTAINER LABEL]

GROUP 3 | 9 FUNGICIDES

Inspire Super™

Fungicide

For control of certain diseases in pome fruit

Active Ingredients:

Difenoconazole*	8.4%
Cyprodinil**	24.1%
<hr/>	
Other Ingredients:	67.5%
Total:	100.0%

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

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

KEEP OUT OF REACH OF CHILDREN.

CAUTION

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.

SCP 1317A

1 gallon
Net Contents

28
49

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 in eyes	<ul style="list-style-type: none"> • 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. Do not apply directly to water, 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. 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 for contamination of water from

29
42

rainfall runoff. 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 or 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 Disposal

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

Residue Removal

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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

Inspire Super™ and the Syngenta logo are trademarks of a Syngenta Group Company

©201X Syngenta

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

30
40

SCP 1317A

Inspire Super 1317 TOL AMEND-C - bb - 3-31-10

000100-1317.20081114C.INSPIRE-SUPER-TOL-AMEND-NOV2008.pdf

31
40

SUPPLEMENTAL LABEL

Syngenta Crop Protection, Inc.
P. O. Box 18300
Greensboro, North Carolina 27419-8300
SCP 1262-S1 1108

**ACCEPTED
with COMMENTS
In EPA Letter Dated
APR 21 2010**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.**

100-1317

Inspire Super™

Fungicide

For control of certain diseases in fruit, nut and vegetable crops

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 lbs. of difenoconazole active ingredient and 2.09 lbs of cyprodinil active ingredient per gallon.

EPA Reg. 100-1317

KEEP OUT OF REACH OF CHILDREN.

CAUTION

All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.

All applicable directions, restrictions and precautions on the EPA-registered label are to be followed. Before using Inspire Super Fungicide as permitted according to this supplemental label, read and follow all applicable directions, restrictions, and precautions on the EPA registered label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

SPECIFIC DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. All applicable directions, restrictions and precautions on all EPA-registered products are to be followed. This label and the Federally registered label must be in the possession of the user at the time of pesticide application.

Crop	Diseases	Rate fl. oz./Acre	Remarks
Almonds	Blossom Blight (<i>Monilinia</i> spp.)	10 - 12	For blossom blight, apply 10-12 oz. of Inspire Super during the bloom period. The minimum retreatment interval is 14 days. Make no more than 2 sequential applications before alternating to another fungicide with a different mode of action. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
	Alternaria leafspot (<i>A. alternata</i>) Scab (<i>Cladosporium carpophila</i>) Green fruit rot (<i>Botrytis cinerea</i>)	16 - 20	For Alternaria leafspot 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. 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. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
	Anthracnose (<i>Colletotrichum acutatum</i>) Leaf Blight (<i>Seimatosporium lichenicola</i>) Leaf Rust (<i>Tranzschelia discolor</i>) Shot hole (<i>Wilsonmyces carpophilus</i>)	16 - 20	For all other diseases, use 16-20 oz./A. Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 14-21 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. The minimum retreatment interval is 14 days. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not use an adjuvant.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop
- Do not apply more than 0.46 lb. ai/A per season of difenoconazole containing products.
- Do not apply more than 1.4 lbs. ai/A of a cyprodinil containing products.
- Do not apply within 60 days of harvest (60 day PHI).

40 32

Crop	Diseases	Rate fl. oz./Acre	Remarks
Brassica (Cole) leafy Vegetables subgroup Broccoli Brussels sprouts Cabbage Cauliflower Collards Kale Mustard greens See additional crops below. Including all cultivars and/or hybrids of these.	Alternaria diseases (<i>Alternaria</i> spp.) Anthracnose (<i>Colletotrichum higginsianum</i>) Cercospora leafspot (<i>C. brassicicola</i>) Powdery mildew (<i>Erysiphe polygoni</i>) Gray Mold (<i>Botrytis cinerea</i>)	14 - 20	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. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended.			

Complete list of brassica leafy vegetables: 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

Specific Use Restrictions:

- Application may be by ground only.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A/season of a difenoconazole containing product.
- Do not apply more than 1.3 lbs. ai/A/season of a cyprodinil containing product.
- Do not apply within 7 days of harvest (7 day PHI).

GF/W

Crop	Diseases	Rate fl. oz./Acre	Remarks
Bulb Vegetables Onion, bulb Garlic Shallot Onion, green Leek Welch onion	Cercospora leafspot (<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>) Botrytis leaf blight (<i>B. squamosa</i>) Suppression: Black mold (<i>Aspergillus niger</i>)	14 - 20	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. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Minimum of 15 gals./A for ground applications is recommended.			

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:

- Application may be made by ground only.
- For green onions, do not apply more than 60 fl. ozs./A of Inspire Super per crop.
- For dry bulb onions, do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- For green onions, do not apply more than 0.34 lb. ai/A/season of difenoconazole containing products.
- For dry bulb onions, do not apply more than 0.46 lb. ai/A/season of difenoconazole containing products.
- Do not apply more than 1.3 lbs. ai/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).

67
49

Crop	Diseases	Rate fl. oz./Acre	Remarks
Citrus Lemon Lime	Greasy spot (<i>Mycosphaerella citri</i>) Melanose (<i>Diaporthe citri</i>) Scab (<i>Elsinoe fawcettii</i>) Albinism (<i>Alternaria alternata</i> <i>pv citri</i>) Post bloom fruit drop (PFD) (<i>Colletotrichum</i> <i>acutatum</i>) Alternaria leaf and fruit spot (<i>Alternaria citri</i>) Diplodia stem-end rot (<i>Diplodia natalensis</i>) Phomopsis stem-end rot (<i>Phomopsis citri</i>) Anthracnose (<i>Colletotrichum</i> spp.) Black spot (<i>Guignardia citricarpa</i>) Blue mold (<i>Penicillium italicum</i>) Green mold (<i>Penicillium digitatum</i>)	14 - 20	Inspire Super applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates. A horticultural spray oil should be used to improve control of greasy spot. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Inspire Super can be applied by either ground or aerial application. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not apply more than 20 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.5 lb. ai/A of difenoconazole containing products per crop.
- Do not apply more than 0.33 lb. ai/A of cyprodinil containing products per crop.
- Do not apply within 7 days of harvest (7 day PHI).

07/5

Crop	Diseases	Rate fl. oz./Acre	Remarks
<p>Cucurbit Vegetables</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>Powdery mildew (<i>Sphaerotheca fuliginea</i>, <i>Erysiphe cichoracearum</i>) Alternaria leaf blight (<i>A. cucumerina</i>) Alternaria leaf spot (<i>A. alternata</i>) Anthracnose (<i>Colletotrichum orbiculare</i>) Cercospora leafspot (<i>C. citrullina</i>) Gummy stem blight (<i>Didymella bryoniae</i>) Septoria leaf blight (<i>S. cucurbitacearum</i>) Plectosporium blight (<i>P. tabacinum</i>) Phoma blight (<i>P. exigua</i>) Phyllosticta leafspot (<i>P. 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><i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.</p> <p><i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval.</p> <p><i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.</p>
<p>Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended (20 for gummy stem blight). For aerial applications a minimum of 10 gals./A of water is recommended.</p>			

Complete list of cucurbit vegetables: Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); *Momordica* 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.

Specific Use Restrictions:

- Application may be made by ground only.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A/season of a difenoconazole containing product.
- Do not apply more than 1.3 lbs. ai/A/season of a cyprodinil containing product.
- Do not apply within 7 days of harvest (7 day PHI).

07/29

Crop	Diseases	Rate fl. oz./Acre	Remarks
Grapes	Powdery mildew <i>(Uncinula necator)</i> Botrytis bunch rot and blight <i>(B. cinerea)</i> Alternaria rot <i>(A. alternata)</i> Rotbrenner <i>(Pseudopezicola tracheiphila)</i> Septoria leaf spot <i>(S. ampelina)</i> Phomopsis cane and leafspot <i>(P. viticola)</i> Black Rot <i>(Guignardia bidwellii)</i> Angular leafspot <i>(Mycosphaera angulata)</i> Anthracnose <i>(Elsinoe ampelina)</i> Leaf Blight <i>(Pseudocercospora vitis)</i>	14 - 20	For powdery mildew, begin at bud break and apply on a 10-14 day interval, making no more than 2 sequential applications before alternating to a fungicide with a different mode of action. For Phomopsis diseases, apply at bud break, before shoots are 0.5 inches in length, and then again when shoots are 5-6 inches in length. 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 10-14 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A of a difenoconazole containing product.
- Do not apply more than 1.4 lbs. ai/A of a cyprodinil containing product.
- Do not apply within 14 days of harvest (14 day PHI).

37
40

Crop	Diseases	Rate fl. oz./Acre	Remarks
Pistachios	Panicle and Shoot Blight (<i>Botryosphaeria dothidea</i>) Alternaria late blight (<i>Alternaria</i> spp.) Botrytis (<i>Botrytis</i> spp.)	16 - 20	<p>Begin applications prior to disease onset when conditions are conducive for disease. Apply Inspire Super on a 14-21 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.</p> <p><i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.</p> <p><i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval.</p> <p><i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.</p>
<p>Application: For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 15 gals./A for ground applications is recommended. For aerial applications a minimum of 10 gals./A of water is recommended.</p>			

Specific Use Restrictions:

- Aerial application in California only. Make no more than one application by air. Make additional application by ground.
- Do not use an adjuvant.
- Do not apply more than 80 fl. ozs./A of Inspire Super per crop.
- Do not apply more than 0.46 lb. ai/A of difenoconazole containing products.
- Do not apply more than 1.3 lbs. ai/A of cyprodinil containing products.
- Do not apply within 14 days of harvest (14 day PHI).

67/5

Crop	Diseases	Rate fl. oz./Acre	Remarks
Tomatoes Tomatillo	Early blight <i>(Alternaria solani)</i> Black mold <i>(A. alternata)</i> Gray leafspot <i>(Stemphylium botryosum)</i> Powdery mildew <i>(Leveillula taurica)</i> Septoria leafspot <i>(S. lycopersici)</i> Target spot <i>(Corynespora cassicola)</i> Anthracnose <i>(Colletotrichum spp.)</i> Leaf mold <i>(Fulvia fulva)</i>	14 - 20	Begin applications prior to disease development and continue throughout the season on a 7-10 day interval. Make no more than 2 consecutive applications before switching to another effective fungicide with a different mode of action. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate. The addition of a spreading/penetrating type adjuvant may enhance efficacy.
Application: For best results, use sufficient water volume to provide thorough coverage.			

Specific Use Restrictions:

- Application may be made by ground only.
- Do not apply more than 47 fl. ozs./A/season of Quadris Top.
- Do not use on varieties in which the mature tomatoes will be less than 2 inches (such as cherry tomatoes).
- Do not apply more than 0.46 lb. ai/A/season of difenoconazole containing products.
- Do not apply more than 1.3 lb. ai/A/season of cyprodinil containing products.
- May be applied the day of harvest (0 day PHI).

07/29

Inspire Super™ and the Syngenta logo are trademarks of a Syngenta Group Company

©2010 Syngenta

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

SCP RGRT-S1 1108

Inspire Super 1317-S1 1108-C - bb - 3-31-10

000100-0RGRT.20081114C.INSPIRE-SUPER-SUPPLEMENTAL-NOV2008.pdf