

**BASF**

**GROUP**

**11**

**FUNGICIDE**



**For use in berries, bulb vegetables, cherry, cucurbit vegetables, filberts, fruiting vegetables, pistachios, root vegetables and strawberries**

**Active Ingredient:**

Pyraclostrobin (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester) . . . . .	20.0%
<b>Other ingredients</b> . . . . .	<b>.80.0%</b>
<b>Total</b> . . . . .	<b>.100.0%</b>

**EPA Reg. No.: 7969-187**

**Est. No.:**

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION/PRECAUCION**

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

See inside booklet for complete **First Aid, Precautionary Statements, Directions For Use, and Conditions of Sale and Warranty.**

**Net contents:**

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

<b>FIRST AID</b>	
If swallowed	<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>
If on skin or clothing	<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>
If in eyes	<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 first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

### **Precautionary Statements**

#### **Hazards to Humans and Domestic Animals**

**CAUTION.** Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

#### **Personal Protective Equipment (PPE)**

Some materials that are chemically resistant to this product are listed below. For more options, refer to category **A** on an EPA chemical resistance category selection chart.

#### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material (such as Nitrile, Butyl, Neoprene, and/or Barrier Laminate)
- Shoes plus socks

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

#### **Engineering Controls Statement**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **User Safety Recommendations**

#### **Users should:**

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

#### **Environmental Hazards**

This product may contaminate water through drift or spray in wind. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is 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 practices will reduce this product's contribution to surface water contamination.

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not apply directly to water, areas where surface water is present, or intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

## 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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of **12 hours** for all crop uses except berries. REI for treated berries is **24 hours** (see **section VI. Crop-Specific Recommendations**, page 8, for complete list of included berry crops).

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 material (such as Nitrile, Butyl, Neoprene, and or Barrier Laminate)
- Shoes plus socks

## Storage and Disposal

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

- **Pesticide Storage:** Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- **Pesticide Disposal:** Wastes resulting from using this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or

Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

- **Container Disposal:** Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### In Case of Spill

In case of large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300  
BASF Corporation 800-932-HELP (4357)

### Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

## I. General Information

This package contains **Cabrio™ EG fungicide**, a water dispersible granule (EG). The active ingredient in **Cabrio**, pyraclostrobin, is a member of the **strobilurin class of chemistry** and is derived from a natural antifungal substance. Optimum disease control is achieved when **Cabrio** is applied in a regularly scheduled protective spray program and is used in a rotation program with other fungicides. Because of its high specific activity, **Cabrio** has good residual activity against target fungi.

**Cabrio** is not for use in greenhouse or transplant production.

### Mode of Action:

Pyraclostrobin, the active ingredient of **Cabrio** belongs to the group of respiration inhibitors classified by the U.S. EPA and Canada PMRA as Quinone Outside Inhibitors (QoI), or Target Site of Action **Group 11** Fungicides.

### Resistance Management

**Cabrio** contains pyraclostrobin, a **Group 11** fungicide, and is effective against pathogens resistant to fungicides with modes of action different from those of QoI fungicides (Target site **Group 11**), such as for example, dicarboximides, sterol inhibitors, benzimidazoles, or phenylamides. Fungal isolates resistant to **Group 11** fungicides, such as pyraclostrobin, azoxystrobin, trifloxystrobin, and kresoxim-methyl, may eventually dominate the fungal

population if **Group 11** fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species. This may result in reduction of disease control by **Cabrio™ EG fungicide Group 11** fungicides.

To maintain the performance of **Cabrio** in the field, do not exceed the total number of sequential applications of **Cabrio** and the total number of applications of **Cabrio** per season stated in Sections V. and VI. Adhere to the label instructions regarding the consecutive use of **Cabrio** or other target site of action **Group 11** fungicides that have a similar site of action on the same pathogens.

The following recommendations may be considered to delay the development of fungicide resistance:

**1. Tank mixtures:** Use tank mixtures with fungicides from different target site of action Groups that are registered/permited for the same use and that are effective against the pathogens of concern. BASF recommends using at least the minimum labeled rates of each fungicide in the tank mix.

**2. IPM:** **Cabrio** should be integrated into an overall disease and pest management program. Cultural practices known to reduce disease development should be followed. Consult your local extension specialist, certified crop advisor and/or BASF representative for additional IPM strategies established for your area. **Cabrio** may be used in Agricultural Extension advisory (disease forecasting) programs, which recommend application timing based on environmental factors favorable for disease development.

**3. Monitoring:** Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development. If a **group 11** target site fungicide, such as **Cabrio**, appears to be less effective against a pathogen that it previously controlled or suppressed, contact a BASF representative, local extension specialist, or certified crop advisor for further investigation.

### **Cleaning Spray Equipment**

Spraying equipment must be cleaned thoroughly before and after applying this product, particularly if a product with potential to injure crops was used prior to **Cabrio**.

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## **II. Application Instructions**

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Apply recommended rates of **Cabrio** as instructed by **Section VI. Crop-Specific Recommendations**.

Apply **Cabrio** with ground sprayer, aerial equipment or through sprinkler irrigation equipment. Equipment, should be checked frequently for calibration.

Under low-level disease conditions, the minimum application rates can be used while maximum application rates and shortened spray schedules are recommended for severe or threatening disease conditions.

**Ground Application:** Apply **Cabrio** in sufficient water to ensure thorough coverage of foliage, blooms, and fruit. Thorough coverage is required for optimum disease control.

**Aerial Application:** Use no less than 5 gallons of spray solution per acre. For aerial application to tree crops, use no less than 10 gallons of spray solution per acre. Do not apply when conditions favor drift from target area. Drift potential is lowest when windspeed does not exceed 10 mph.

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### **Directions for Use Through Sprinkler Irrigation Systems.**

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**Sprayer Preparation:** Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

**Application Instructions:** Apply **Cabrio** at rates and timings as described in this label.

#### **Use Precautions for Sprinkler Irrigation**

##### **Applications:**

- Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.
- Add this product to the pesticide supply tank containing sufficient water to maintain a continuous flow by the injection equipment. In continuous moving systems, inject this product-water mixture continuously, applying the labeled rate per acre for that crop. Do not exceed 1/2 inch (13,577 gallons) per acre. In stationary or non-continuous moving systems, inject the product-water mixture in the last 15-30 minutes of each set allowing sufficient time for all of the required pesticide to be applied by all the sprinkler heads and applying the labeled rate per acre for that crop. Do not apply when wind speed favors drift beyond the area intended for treatment. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. Thorough coverage of foliage is required for good control. Good agitation should be maintained during the entire application period.
- If you have questions about calibration you should contact State Extension Service specialist, equipment manufacturers or other experts.
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.

- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

#### **Specific Instructions for Public Water Systems:**

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

diameter of the fill pipe.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

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### **III. Additives and General Tank Mixing Information**

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**Cabrio™ EG fungicide** can be tank mixed with most recommended fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives as specified in **Section VI. Crop-Specific Recommendations**.

Under some conditions, the use of additives or adjuvants may improve the performance of **Cabrio**. However, all varieties and cultivars have not been tested with possible tank mix combinations. Local conditions can also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing **Cabrio** with other products. Therefore, before using any tank mix (fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives), test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

Consult a BASF representative or local agricultural authorities for more information concerning additives.

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#### IV. Mixing Order

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- 1) **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
- 2) **Agitation.** Maintain constant agitation throughout mixing and application.
- 3) **Inductor.** If an inductor is used, rinse it thoroughly after each component has been added.
- 4) **Products in PVA bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 5) **Water-dispersible products** (such as **Cabrio™ EG fungicide**, dry flowables, wettable powders, suspension concentrates, or suspo-emulsions).
- 6) **Water-soluble products.**
- 7) **Emulsifiable concentrates** (such as oil concentrates when applicable).
- 8) **Water-soluble additives** (such as AMS or UAN when applicable).
- 9) **Remaining quantity of water.**

Make sure that each component is thoroughly mixed and suspended before adding tank mix partners. Maintain constant agitation during application. See **Section VI. Crop-Specific Recommendations** for more details.

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#### V. General Restrictions and Limitations All Crops

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- **Maximum seasonal use rate:** Do not apply more than the maximum rate per acre per season as listed in **Table A. Crop-Specific Restrictions and Limitations** and **Section VI. Crop-Specific Recommendations**.
- **Maximum rate per application:** Do not apply more than the maximum rate per acre per application as listed in **Table A. Crop-Specific Restrictions and Limitations** and **Section VI. Crop-Specific Recommendations**.
- Do not make more than the total number of applications of **Cabrio** per season, as listed in **Table A. Crop-Specific Restrictions and Limitations** and not exceeding the maximum seasonal use rate. Also see **Section VI. Crop-Specific Recommendations**.
- **Pre-harvest Interval (PHI):** See **Table A. Crop-Specific Restrictions and Limitations** and **Section VI. Crop-Specific Recommendations**.
- **Cabrio** is not for use in greenhouse or transplant production.

**Crop Rotation Restriction:** Crops listed on the **Cabrio™ EG fungicide** and **Headline® fungicide** labels may be planted immediately following the last application.

All other crops can be planted 14 days after the last application.

<b>Table A. Crop-Specific Restrictions and Limitations</b>						
<b>Crop<sup>1</sup></b>	<b>Minimum Time from Application to Harvest (PHI) (days)</b>	<b>Maximum Rate per Acre per Application (oz.)</b>	<b>Maximum Number of Sequential Applications</b>	<b>Maximum Number of Applications per Season</b>	<b>Maximum Rate per Acre per Season (oz.)</b>	<b>Livestock Grazing or Feeding</b>
Berry Group <sup>1</sup> : Blueberry, Caneberry, Raspberry	0	14	2	4	56	NA <sup>2</sup>
Bulb Vegetables Group <sup>1</sup> : Onion, Garlic, Leeks	7	12	2	6	72	NA
Cherry (sweet and tart)	0	9.5	2	5	47.5	NA
Cucurbit Vegetables Group <sup>1</sup> : Cantaloupe, Cucumber, Melon, Squash, Pumpkin, Watermelon	0	16	1	4	64	NA
Filberts (hazelnuts)	14	9.5	2	4	38	NA
Fruiting Vegetables Group <sup>1</sup> : <b>Tomato</b> , Bell pepper, Chili pepper, Eggplant	0	16	2	6	96	NA
Pistachio	14	16	2	4	64	NA
Root Vegetables (except sugar beet) Subgroup <sup>1</sup> : <b>Carrot</b> , Radish (roots & tops)	0	16	2	3	48	Yes for carrot culls
Strawberries	0	14	2	5	70	NA

<sup>1</sup> For a complete list of crops within a crop group, see **Section VI. Crop-Specific Recommendations.**

<sup>2</sup> NA = not applicable  
Aerial Application is permitted for all labeled crop uses.

**VI. Crop-Specific Recommendations**

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
<p><b>Berry Group</b></p> <p>Blackberry (all varieties) Blueberry Currant Elderberry Gooseberry Huckleberry Loganberry Raspberry (black and red)</p>	<p>Alternaria leaf spot and fruit rot (<i>Alternaria</i> spp.)</p> <p>Anthrachnose (<i>Colletotrichum</i> spp., <i>Elsinoe</i> spp.)</p> <p>Leaf spot and blotch (<i>Mycosphaerella</i> spp., <i>Septoria</i> spp.)</p> <p>Phomopsis leaf spot, twig blight, and fruit rot (<i>Phomopsis</i> spp.)</p> <p>Powdery mildew (<i>Sphaerotheca</i> spp., <i>Microsphaera</i> spp., <i>Oidium</i> spp.)</p> <p>Rust (<i>Pucciniastrum</i> spp., <i>Arthuriomyces</i> spp., <i>Phragmidium</i> spp., <i>Kuehneola</i> spp.)</p> <p>Spur blight (<i>Didymella</i> spp., <i>Phoma</i> spp.)</p> <p><b>Suppression only</b></p> <p>Botrytis gray mold (<i>Botrytis cinerea</i>)</p> <p>Monilinia blight (<i>Monilinia</i> spp.)</p>	<p>14 oz. per acre</p>	<p>4</p>	<p>56 oz. per acre</p>	<p>0 days</p>

**Application Directions:** Begin applications of **Cabrio™ EG fungicide** prior to disease development and continue on a 7- to 14-day interval.

Use the shorter interval when disease pressure is high.

**Do not enter treated area within 24 hours of the most recent application. Refer to the “Agricultural Use Requirements” box on page 3 for PPE required for early entry to treated areas as permitted under the Worker Protection Standard.**

**Resistance Management:** To limit the potential for development of resistance, do not make more than four (4) applications of **Cabrio** or other Qol (Group 11) fungicides per season.

Do not make more than two (2) sequential applications of **Cabrio** before alternating to a labeled fungicide with a different mode of action.



Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
<b>Bulb Vegetables Group</b>  Onions (all varieties) Garlic Leek Shallot	Purple blotch and leaf blight <i>(Alternaria porri, Stemphylium vesicarium)</i>  Powdery mildew <i>(Leveillula taurica)</i>  Rust <i>(Puccinia porri)</i>	8 to 12 oz. per acre	6	72 oz. per acre	7 days
	Downy mildew <i>(Peronospora destructor)</i>  <b>Suppression only</b> Botrytis leaf blight <i>(Botrytis squamosa)</i>	12 oz. per acre			
<p><b>Application Directions:</b> For control of purple blotch and leaf blight, powdery mildew, and rust, begin applications of <b>Cabrio™ EG fungicide</b> prior to disease development and continue on a 14-day interval. If application intervals shorter than 14 days are needed, rotate to another fungicide.</p> <p>Use the higher rate when disease pressure is high.</p> <p>Applications made to control purple blotch, powdery mildew, and rust will also suppress downy mildew. If downy mildew occurs during a <b>Cabrio</b> application for these diseases, immediately follow the <b>Cabrio</b> application with another downy mildew fungicide with a different mode of action.</p> <p><b>Resistance Management:</b> To limit the potential for development of resistance, do not make more than six (6) applications of <b>Cabrio</b> or other Qol (Group 11) fungicides per season.</p> <p>For downy mildew, do not make more than one (1) application of <b>Cabrio</b> before alternating to a labeled fungicide with a different mode of action.</p> <p>Do not make more than two (2) sequential applications of <b>Cabrio</b> before alternating to a labeled fungicide with a different mode of action.</p>					

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
Carrots	Alternaria leaf spot <i>(Alternaria spp.)</i>  Cercospora leaf spot <i>(Cercospora spp.)</i>  Powdery mildew <i>(Erysiphe spp.)</i>	8 to 12 oz. per acre	3	48 oz. per acre	0 days

**Application Directions:** Begin applications of **Cabrio™ EG fungicide** prior to disease development and continue on a 7- to 14-day interval.

Use the higher rate and the shorter interval when disease pressure is high.

**Resistance Management:** To limit the potential for development of resistance, do not make more than five (3) applications of **Cabrio** or other QoI (Group 11) fungicides per crop growing season.

Do not make more than two (2) sequential applications of **Cabrio** before alternating to a labeled fungicide with a different mode of action.

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
<b>Cherry</b> (sweet and tart)	Monilinia blossom blight ( <i>Monilinia</i> spp.)  Powdery mildew ( <i>Sphaerotheca</i> spp., <i>Podosphaera</i> spp.)	9.5 oz. per acre	5	47.5 oz. per acre	0 days

**Application Directions:** Begin applications of **Cabrio™ EG fungicide** at pink bud or prior to disease development and continue on a 7- to 14-day interval.

Use the shorter interval when disease pressure is high.

**Resistance Management:** To limit the potential for development of resistance, do not make more than five (5) applications of **Cabrio** or other QoI (Group 11) fungicides per season.

Do not make more than two (2) sequential applications of **Cabrio** before alternating to a labeled fungicide with a different mode of action.

For aerial application to cherry trees, use no less than 10 gallons of spray solution per acre.

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application To Harvest (PHI)
<b>Cucurbit Vegetables Group</b>	Downy mildew ( <i>Pseudoperonospora cubensis</i> )	8 to 12 oz. per acre	4	64 oz.	0 days
Chayote Chinese waxgourd Citron melon Cucumber Gherkin Pumpkin Watermelon <u>Edible gourd</u> Hyotan Cucuzza Chinese okra <u>Momordica</u> <u>spp.</u> Balsam apple Balsam pear Bitter melon Chinese cucumber <u>Muskmelon</u> Cantaloupe Casaba Crenshaw melon Golden pershaw melon Honeydew melon Honey balls Mango melon Persian melon Pineapple melon Santa Claus melon Snake melon <u>Summer squash</u> Crookneck squash Scallop squash Straightneck squash Vegetable marrow Zucchini <u>Winter squash</u> Butternut squash Calabaza Hubbard squash Acorn squash Spaghetti squash	Alternaria blight ( <i>Alternaria cucumerina</i> )  Anthracnose ( <i>Colletotrichum orbiculare</i> )  Cercospora leaf spot ( <i>Cercospora citrulina</i> )  Gummy stem blight ( <i>Didymella bryoniae</i> )  Microdochium blight ( <i>Plectosporium tabacinum</i> )  Powdery mildew ( <i>Sphaerotheca fuliginea</i> , <i>Erysiphe cichoracearum</i> )  Target leaf spot ( <i>Corynespora cassicola</i> )	12 to 16 oz. per acre			

**See the next page for further instructions.**

## Cucurbit Vegetables Group Information

**Application Directions:** Begin applications of **Cabrio™ EG fungicide** prior to disease development and continue on a 7- to 14-day interval. Use the higher rate and the shorter interval when disease pressure is high.

Do not use **Cabrio** for control of gummy stem blight where resistance to QoI (Group 11) fungicides exists.

**Use of Adjuvants:** Do not use **Cabrio** tank mixes with additives or adjuvants on muskmelon crops such as cantaloupe and honeydew or crop injury may result.

For cucurbit crops other than melons, the use of additives or adjuvants may improve the performance of **Cabrio**. However, BASF evaluations also indicate that under some conditions (particularly high temperatures and/or high additive rates), application of **Cabrio** in combination with certain rates of silicone-based or oil-containing (petroleum or crop) additives or adjuvants can cause injury to some cucurbit crops.

BASF has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing **Cabrio** with other products.

The user assumes all risks associated with adding products to the **Cabrio** spray solution. BASF cannot be held responsible for crop injury, reduced disease control or incompatibility due to additives, adjuvants or other products used in combination with **Cabrio**. Refer also to the **Conditions of Sale** and **Warranty** section of this label.

To minimize the likelihood of crop injury, BASF recommends testing **Cabrio** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a BASF representative for more information concerning additives or adjuvants.

Do not tank mix **Cabrio** with Malathion, Kelthane®, Thiodan®, Phaser®, Lannate®, Lorsban®, M-Pede®, or Botran® as crop injury may result.

**Resistance Management:** To limit the potential for development of resistance, do not make more than four (4) applications of **Cabrio** or other QoI (Group 11) fungicides per crop growing season.

Do not make more than one (1) application of **Cabrio** before alternating to a labeled fungicide with a different mode of action.

For additional resistance management information, refer to **Section I. General Information, Resistance Management**.

<b>Table A – Filbert Use Directions</b>					
<b>Crop</b>	<b>Target Diseases</b>	<b>Use Rate per Application</b>	<b>Maximum Number of Applications per Season</b>	<b>Maximum Rate per Season</b>	<b>Minimum Time from Application to Harvest (PHI)</b>
<b>Filberts</b> (Hazelnuts)	Eastern Filbert Blight ( <i>Anisogramma anomala</i> )	9.5 oz. acre	4	38 oz. per acre	14 days
	<p><b>Application Directions:</b> Make preventive applications of <b>Cabrio</b> in sufficient volumes to ensure thorough coverage. Begin at budswell to budbreak, prior to infection and disease development. Continue on a 7- to 14-day interval to cover and protect new growth. Use the shorter interval when disease pressure is high or shoot growth is very rapid.</p> <p><b>Resistance Management:</b> To limit the potential for development of resistance, do not make more than four (4) applications of <b>Cabrio</b> per season. Do not make more than two (2) sequential applications of <b>Cabrio</b> before alternating to a labeled non-QoI (non-Group 11) fungicide with a different mode of action.</p>				

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
<b>Fruiting Vegetable Group</b>  Eggplant Ground cherry Pepino Pepper (all varieties) Tomatillo <b>Tomato</b>	Anthracnose ( <i>Colletotrichum</i> spp.)  Black Mold ( <i>Alternaria alternata</i> )  Early blight ( <i>Alternaria solani</i> )  Septoria leaf spot ( <i>Septoria lycopersici</i> )  Target spot ( <i>Corynespora cassiicola</i> )	8 to 12 oz. per acre or 8 to 12 oz. per 100 gallons of spray volume (dilute)*	6	96 oz. per acre	0 days
	Late blight ( <i>Phytophthora infestans</i> )  Powdery mildew ( <i>Leveillula taurica</i> )  <u><b>Suppression Only</b></u> Botrytis gray mold ( <i>Botrytis cinerea</i> )	8 to 16 oz. per acre			

**For further instructions see the next page.**

**Application Directions:** Begin applications of **Cabrio™ EG fungicide** prior to disease development and continue on a 7- to 14-day interval for anthracnose, early blight, powdery mildew, and Septoria leaf spot. For control of late blight, begin applications prior to disease development, then follow each application of **Cabrio** with a labeled fungicide with a different mode of action 5 to 7 days later. Use the higher rate and the shorter interval when disease pressure is high.

\*For applications based on dilute volume, plants should be sprayed to runoff. Apply a minimum of 20 gallons of spray volume per acre, and increase the spray volume as the plants grow during the season. Spray volume should be proportional to the amount of plant tissue to be covered such that 100 gallons of spray per acre is used on mature plants.

**Use of Adjuvants:** The use of additives or adjuvants may improve the performance of **Cabrio** on fruiting vegetables. However, BASF evaluations also indicate that under some conditions (particularly high temperatures and/or high additive rates), application of **Cabrio** in combination with certain rates of silicone-based or oil-containing (petroleum or crop) additives or adjuvants can cause injury.

BASF has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing **Cabrio** with other products.

The user assumes all risks associated with adding products to the **Cabrio** spray solution. BASF cannot be held responsible for crop injury, reduced disease control or incompatibility due to additives, adjuvants or other products used in combination with **Cabrio**. Refer also to the **Conditions of Sale** and **Warranty** section of this label.

To minimize the likelihood of crop injury, BASF recommends testing **Cabrio** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a BASF representative for more information concerning additives or adjuvants.

**Resistance Management:** To limit the potential for development of resistance, do not make more than six (6) applications of **Cabrio** or other QoI (Group 11) fungicides per crop growing season. For control of late blight, do not make more than one (1) application of **Cabrio** before alternating to a labeled fungicide with a different mode of action. For control of diseases other than late blight, do not make more than two (2) sequential applications of **Cabrio** before alternating to a labeled fungicide with a different mode of action. If late blight develops during a spray program for these diseases, immediately rotate to a labeled fungicide with a different mode of action. For additional information pertaining to resistance management, refer to **Section I. General Information, Resistance Management.**



Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
Pistachio	Late blight <i>(Alternaria alternata)</i>  Shoot blight <i>(Botryosphaeria dothidea)</i>	16 oz. per acre	4	64 oz. per acre	14 days
	<p><b>Application Directions:</b> Apply <b>Cabrio™ EG fungicide</b> prior to disease development and continue on a 10- to 30-day interval.</p> <p><b>Resistance Management:</b> To limit the potential for development of resistance, do not make more than four (4) applications of <b>Cabrio</b> or other QoI (Group 11) fungicides per season.</p> <p>Do not make more than two (2) sequential applications of <b>Cabrio</b> before alternating to a labeled fungicide with a different mode of action.</p> <p>For aerial application to pistachio trees, use no less than 10 gallons of spray solution per acre.</p>				

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
<b>Root Vegetables (except sugar beet)</b> <b>Subgroup:</b> <b>Carrot</b> <b>Radish</b> (roots and tops) <b>Garden beet</b>	Alternaria leaf spot ( <i>Alternaria</i> spp.) Cercospora leaf spot ( <i>Cercospora</i> spp.) Powdery mildew ( <i>Erysiphe</i> spp.)	8 to 12 oz. per acre	3	48 oz. per acre	0 days
Edible burdock Celeriac Chervil (turnip-rooted) Chicory Ginseng Horseradish Parsley (turnip- rooted) Parsnip Oriental radish Rutabaga Black salsify Spanish salsify Skirret Turnip	White rust ( <i>Albugo</i> spp.)	8 to 16 oz. per acre			<p><b>Application Directions:</b> Begin applications of <b>Cabrio™ EG fungicide</b> prior to disease development and continue on a 7- to 14-day interval.</p> <p>Use the higher rate and the shorter interval when disease pressure is high.</p> <p><b>Resistance Management:</b> To limit the potential for development of resistance, do not make more than three (3) applications of <b>Cabrio</b> or other QoI (Group 11) fungicides per crop growing season.</p> <p>Do not make more than two (2) sequential applications of <b>Cabrio</b> before alternating to a labeled fungicide with a different mode of action.</p>

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
<b>Strawberries</b>	Anthracnose <i>(Colletotrichum spp.)</i>  Leaf spot <i>(Mycosphaerella fragariae)</i>  Powdery mildew <i>(Sphaerotheca macularis)</i>  <b>Suppression only</b> Botrytis gray mold <i>(Botrytis cinerea)</i>	12 to 14 oz. per acre	5	70 oz. per acre	0 days
<p><b>Application Directions:</b> Begin applications of <b>Cabrio™ EG fungicide</b> no later than bloom or prior to disease development and continue on a 7- to 14-day interval.</p> <p>Use the higher rate and the shorter interval when disease pressure is high.</p> <p>The restricted entry interval (REI) for treated Strawberries is 12 hours. Refer to the Agricultural Use Requirements box on page 3 for PPE required for early entry to treated areas as permitted under the Worker Protection Standard.</p> <p><b>Resistance Management:</b> To limit the potential for development of resistance, do not make more than five (5) applications of <b>Cabrio</b> or other QoI (Group 11) fungicides per crop growing season.</p> <p>Do not make more than two (2) sequential applications of <b>Cabrio</b> before alternating to labeled fungicide with a different mode of action.</p>					

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
Tomato	Anthracnose <i>(Colletotrichum spp.)</i> Black mold <i>(Alternaria alternata)</i> Early blight <i>(Alternaria solani)</i> Septoria leaf spot <i>(Septoria lycopersici)</i> Target spot <i>(Corynespora cassiicola)</i>	8 to 12 oz. per acre or 8 to 12 oz. per 100 gallons of spray volume (dilute)*	6	96 oz. per acre	0 days
	Late Blight <i>(Phytophthora infestans)</i> Powdery mildew <i>(Leveillula taurica)</i>  <u>Suppression Only</u> Botrytis gray mold <i>(Botrytis cinerea)</i>	8 to 16 oz. per acre			

**For further instructions see the next page.**

**Application Directions:** Begin applications of **Cabrio™ EG fungicide** prior to disease development and continue on a 7- to 14-day interval for anthracnose, early blight, powdery mildew, and Septoria leaf spot. For control of late blight, begin applications prior to disease development, then follow each application of **Cabrio** with a labeled fungicide with a different mode of action 5 to 7 days later. Use the higher rate and the shorter interval when disease pressure is high.

\*For applications based on dilute volume, plants should be sprayed to runoff. Apply a minimum of 20 gallons of spray volume per acre, and increase the spray volume as the plants grow during the season. Spray volume should be proportional to the amount of plant tissue to be covered such that 100 gallons of spray per acre is used on mature plants.

**Use of Adjuvants:** The use of additives or adjuvants may improve the performance of **Cabrio** on Tomatoes. However, BASF evaluations also indicate that under some conditions (particularly high temperatures and/or high additive rates), application of **Cabrio** in combination with certain rates of silicone-based or oil-containing (petroleum or crop) additives or adjuvants can cause injury.

BASF has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing **Cabrio** with other products.

The user assumes all risks associated with adding products to the **Cabrio** spray solution. BASF cannot be held responsible for crop injury, reduced disease control or incompatibility due to additives, adjuvants or other products used in combination with **Cabrio**. Refer also to the **Conditions of Sale** and **Warranty** section of this label.

To minimize the likelihood of crop injury, BASF recommends testing **Cabrio** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a BASF representative for more information concerning additives or adjuvants

**Resistance Management:** To limit the potential for development of resistance, do not make more than six (6) applications of **Cabrio** or other QoI (Group 11) fungicides per crop growing season. For control of late blight, do not make more than one (1) application of **Cabrio** before alternating to a labeled fungicide with a different mode of action. For control of diseases other than late blight, do not make more than two (2) sequential applications of **Cabrio** before alternating to a labeled fungicide with a different mode of action. If late blight develops during a spray program for these diseases, immediately rotate to a labeled fungicide with a different mode of action. For additional information pertaining to resistance management, refer to **Section I. General Information, Resistance Management.**

### Conditions of Sale and Warranty

The **Directions For Use** of this product reflects the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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007969-00187.20040113.NVA 2003-04-089-0208.pdf  
Supersedes: NVA 2002-04-089-0087p

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