

**BASF**

# Pristine<sup>®</sup>

fungicide

## Supplemental Labeling

**For use in cucurbit vegetables, dry beans and peanuts.**

**EPA Reg. No. 7969-199**

### Active Ingredients:

Pyraclostrobin - (carbamic acid, [2-[[[1-(4chlorophenyl)-pyrazol-3-yl]oxy]methyl]phenyl] methoxy-, methyl ester) . . . . . 12.8%  
Boscalid - (3-pyridinecarboxamide, 2-chloro-N-(4'-chloro(1,1'-biphenyl)-2-yl) . . . . . 25.2%

**Inert ingredients** . . . . . 62.0%

**Total** . . . . . 100.0%

0.128 oz. (0.008 lb.) of pyraclostrobin in 1 oz. of Pristine

0.252 oz. (0.0158 lb.) of boscalid in 1 oz. of Pristine

### 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. Refer to the **Pristine<sup>®</sup> fungicide** main label for precautionary statements, first aid and personal protective equipment requirements. This supplemental label must be in the user's possession during application.

### General Information

**Pristine<sup>®</sup> fungicide** provides optimum disease control when applied in a regularly scheduled protective fungicide program and is used in a spray program that rotates fungicides with different modes of action. Refer to the **Pristine** main label for general resistance management information and to the crop specific use recommendations and restrictions found in this label.

### Application Information

Apply **Pristine** according to the rate, timing, resistance management and adjuvant use recommendations in the **Crop Specific Use Directions** (Table A) in this label.

**Pristine** may be applied by ground sprayer, aerial equipment or through sprinkler irrigation systems. Refer to the **Pristine** main label for specific instructions on these methods.

### Restrictions and Limitations

**Pristine** is not for use in greenhouse or transplant production systems.

Follow the restrictions and limitations outlined in the **Crop Specific Restrictions and Limitations** table (Table B) in this label for:

- Minimum pre-harvest interval (PHI)
- Maximum rate per acre
- Maximum number of applications
- Maximum rate per season
- Livestock grazing or feeding restrictions
- Aerial application restrictions

Table A - **Pristine® fungicide** Crop-Specific Use Directions.

Crop	Target Diseases	Use Rate per Application <sup>1</sup>	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
<b>Cucurbit Vegetables Group</b> Chayote Chinese waxgourd Citron melon Cucumber Gherkin Pumpkin Watermelon  <b><u>Edible gourd</u></b> Hyotan Cucuzza Chinese okra  <b><u>Momordica spp.</u></b> Balsam apple Balsam pear Bitter melon Chinese cucumber	Downy mildew <i>(Pseudoperonospora cubensis)</i>  Alternaria blight <i>(Alternaria cucumerina)</i>  Cercospora leaf spot <i>(Cercospora citrulina)</i>  Gummy stem blight <i>(Didymella bryoniae)</i>  Powdery mildew <i>(Sphaerotheca fuliginea, Erysiphe cichoracearum)</i>	12.5 to 18.5 oz. per acre	4	74 oz. per acre	0 days
<b>Muskmelon</b> Cantaloupe Casaba Crenshaw melon Golden pershaw melon Honeydew melon Honey balls Majo melon Persian melon Pineapple melon Santa Claus melon Snake melon  <b><u>Summer squash</u></b> Crookneck squash Scallop squash Straightneck squash Vegetable marrow Zucchini  <b><u>Winter squash</u></b> Butternut squash Calabaza Hubbard squash Acorn squash Spaghetti squash	Anthracnose <i>(Colletotrichum orbiculare)</i>	18.5 oz. per acre			

## Cucurbit Vegetables Group Information

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

Use the highest labeled rate for anthracnose.

Do not use **Pristine** 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 **Pristine**. However, BASF evaluations also indicate that under some conditions (particularly high temperatures and/or high additive rates), application of **Pristine** 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 **Pristine** with other products.

The user assumes all risks associated with adding products to the **Pristine** 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 **Pristine**. Refer also to the Conditions of Sale and Warranty section of this label.

To minimize the likelihood of crop injury, BASF recommends testing **Pristine** 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 **Pristine** with Malathion, Kelthane®, Thiodan®, Phaser®, Lannate®, Lorsban®, M-Pede®, or Botran® as crop injury may result.

**Resistance Management:** To limit the potential of development of resistance, do not make more than four (4) applications of **Pristine** per season.

Do not make more than one (1) application of **Pristine** before alternating to a labeled non-strobilurin (non-QoI) fungicide with a different mode of action for at least one application.

Table A - **Pristine® fungicide** Crop-Specific Use Directions (CONT):

Crop	Target Diseases	Use Rate per Application	Maximum Number of Applications per Season	Maximum Rate per Season	Minimum Time from Application to Harvest (PHI)
Peanut	Early leaf spot ( <i>Cercospora arachidicola</i> )  Late leaf spot ( <i>Cercosporidium personatum</i> )  Pepperspot ( <i>Leptosphaerulina crassiasca</i> )  Rust ( <i>Puccinia arachidis</i> )  Web blotch ( <i>Phoma arachidicola</i> )	12.5 to 18.5 oz. per acre	3	84 oz. per acre	14 days
	Rhizoctonia limb rot, peg rot, and pod rot ( <i>Rhizoctonia solani</i> )  Sclerotium rot - Southern stem rot, Southern blight, and white mold ( <i>Sclerotium rolfsii</i> )  Sclerotinia blight ( <i>Sclerotinia minor</i> )	18.5 to 28 oz. per acre			
	<p><b>Application Directions:</b> For control of pepperspot, rust, web blotch, early and late leaf spot, begin applications of <b>Pristine® fungicide</b> prior to onset of disease development and continue on a 14 day interval.</p> <p>For control of Rhizoctonia and Sclerotium, begin applications of <b>Pristine</b> prior to onset of disease development and continue on a 14 day interval.</p> <p>For control of Sclerotinia blight, begin applications of <b>Pristine</b> prior to onset of disease development or 45 to 60 days after planting.</p> <p>Use the higher rate and/or shorter spray interval when disease pressure is high or in fields with a history of disease.</p> <p><b>Resistance Management:</b> To limit the potential for development of resistance, do not make more than three (3) applications of <b>Pristine</b> per season.</p> <p>Do not make more than two (2) sequential applications of <b>Pristine</b> before alternating to a labeled non-strobilurin (non-QoI) or non-carboxamide fungicide with a different mode of action for at least one (1) application.</p> <p><b>Restrictions: Use of Pristine with silicone-based adjuvants may cause crop injury.</b></p> <p><b>Do not feed treated peanut hay to livestock.</b></p>				

Table A - **Pristine® fungicide** Crop-Specific Use Directions (CONT):

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>Dry Beans (except soybeans)</b>  <i>Lupinus</i> spp. Grain Lupin Sweet Lupin  <i>Phaseolus</i> spp. Field bean Kidney bean Lima bean (dry) Navy bean Pink bean Pinto bean Tepary bean  <i>Vigna</i> spp. Adjuki bean Blackeyed pea Catjang Crowder pea Moth bean Mung bean Rice bean Southern pea Urd bean	Alternaria leaf and pod spot ( <i>Alternaria</i> spp.)	10 to 15 oz. per acre	2	50 oz. per acre	21 days
	Ascochyta blight ( <i>Phoma exigua</i> , <i>Ascochyta</i> spp.)				
	Cercospora leaf spot ( <i>Cercospora</i> spp.)				
	Downy Mildew ( <i>Phytophthora nicotianae</i> )				
	Mycosphaerella blight ( <i>Mycosphaerella</i> spp.)				
	Powdery mildew ( <i>Erysiphe polygoni</i> )				
	Rust ( <i>Uromyces appendiculatus</i> )				
	Septoria leaf spot ( <i>Septoria</i> spp.)				
	Anthracnose ( <i>Colletotrichum</i> spp.)	15 to 25 oz. per acre			
	Botrytis gray mold ( <i>Botrytis cinerea</i> )				
	White mold ( <i>Sclerotinia sclerotiorum</i> )				
<b>Application Directions:</b> For optimal disease control, begin applications of <b>Pristine® fungicide</b> prior to onset of disease development or at the beginning of flowering and repeat on a 5 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high.					
<b>Resistance Management:</b> Do not make more than two (2) applications of <b>Pristine</b> or other strobilurin (QoI) or carboxamide fungicides per season.					
<b>Restrictions:</b> Do not use on soybean, cowpeas, field pea and lupin. Do not feed treated pea commodities to livestock.					

Table B - **Pristine® fungicide** Restrictions and Limitations

<b>Crop</b>	<b>Minimum Time from Application to Harvest (PHI) (days)</b>	<b>Maximum Rate per Acre per Application (oz.)</b>	<b>Maximum Number of Applications per Season</b>	<b>Maximum Rate per Acre per Season (oz.)</b>	<b>Livestock Grazing or Feeding</b>	<b>Aircraft Application</b>
<b>Cucurbit Vegetables Group<sup>1</sup>:</b> Cantaloupe, Cucumber, Melon, Squash, Pumpkin, Watermelon	0	18.5	4	74	NA <sup>2</sup>	Yes
<b>Peanut</b>	14	28	3	84	No	Yes
<b>Dry Beans</b> (except Soybean) <sup>1</sup>	21	25	2	50	No	Yes
<sup>1</sup> For a complete list of crops within a crop group, see Table A. <b>Pristine</b> Crop-Specific Use Directions. <sup>2</sup> NA = Not applicable						

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