
SUPPLEMENTAL LABEL



Syngenta Crop Protection, Inc.
Greensboro, NC 27409
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Blockade® 50WG
Plant Activator

EPA Reg. No. 100-922

Supplemental Aerial Directions for Use on Leafy Vegetables for California Only

Active Ingredient:

1,2,3-benzothiadiazole-7-thiocarboxylic acid-S-methyl-ester
(CAS No. 135158-54-2)*50.0%

Other Ingredients:50.0%

Total:100.0%

*Acibenzolar-S-methyl (ISO common name)

Blockade 50WG is a water-dispersible granule.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use on outer container.

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

Before using Blockade 50WG 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 supersedes the Directions for Use on the container label, including Use Precautions. 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.

SCP 922B-S1 0806

DIRECTIONS FOR USE

GENERAL INFORMATION

Blockade 50WG is a selective, non-pesticidal systemic compound used for the control of downy mildew of leafy vegetables, and downy mildew and white rust of spinach.

Blockade 50WG is an inducer of host plant resistance. Blockade 50WG exhibits a unique mode of action which mimics the natural systemic activated resistance (SAR) response found in most plant species. Blockade 50WG has no direct activity against target pathogens.

For best performance, always follow these directions:

- Blockade 50WG should be applied to plant foliage preventively, before disease is observed in the field.
- Blockade 50WG moves systemically within the plant; however uniform spray coverage is essential for best performance. Apply Blockade 50WG by ground or aerial application in sufficient water to ensure uniform coverage. See instructions with each crop for specific recommendations.
- A Blockade 50WG application mimics the SAR response in plants. Maximum disease control is normally obtained 4 days after a Blockade 50WG application.

Blockade 50WG provides protection against certain diseases in the crops listed on this label. Blockade 50WG provides sufficient protection to reduce disease levels but should be tank mixed with other registered products with curative activity if disease is present at the time of application, to ensure adequate disease control or to broaden the spectrum of disease control.

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

APPLICATION INSTRUCTIONS

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

Ground Application

Thorough coverage is necessary to provide maximum disease control. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap, as crop injury or illegal residues may occur.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Always calibrate sprayer before use.

Use a pump with capacity to: (1) maintain adequate psi at nozzles, and (2) provide sufficient agitation in the tank to keep mixture in uniform 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.

Use screens 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 nozzles. Check nozzle manufacturer's recommendations.

Aerial Application

Apply Blockade 50WG in water, using a minimal spray volume of 10 gallons per acre by air. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

RECOMMENDED FOLIAR APPLICATIONS

Crop	Pest	Rate per Application	Remarks
Lettuce (Head and Leaf)	Downy Mildew (<i>Bremia lactucae</i>)	3/4 – 1 oz./A	Apply preventively on a 7 to 10-day schedule. Begin applications after thinning. Make up to 4 applications per crop to head lettuce or 2 applications per crop to leaf lettuce.

Blockade 50WG can be applied by ground or by air. Apply in sufficient water to ensure adequate coverage. A minimum of 20 gallons of water per acre should be used for ground applications and a minimum of 10 gallons of water per acre should be used for aerial applications. If downy mildew is present in the production area, the first application should be made in tank mixture with another registered downy mildew fungicide. Once activated, the supplemental applications of Blockade 50WG may be applied alone. Banded applications can be made early when plants are small (7-inch proportional band) as long as coverage is adequate.

Restrictions: (1) Blockade 50WG should be applied to healthy, actively growing plants. Do not apply Blockade 50WG to plants that are stressed due to drought, excessive moisture, cold weather, or herbicide injury, etc. Do not apply when extended cold or cold and cloudy conditions are expected. (2) Do not apply prior to thinning or within 5 days of transplanting. (3) Allow 7 days between the last application and harvest. (4) Do not apply more than 4 oz. of Blockade 50WG per acre per season.

Crop	Pest	Rate per Application	Remarks
Spinach	Downy Mildew (<i>Peronospora effusa</i>) White Rust (<i>Albugo occidentalis</i>)	3/4 oz./A	Apply preventively on a 7 to 10-day schedule. Begin applications at first to second true leaf or after thinning. Do not make more than 3 consecutive applications per crop.

Blockade 50WG can be applied by ground or by air. Apply in sufficient water to ensure adequate coverage. A minimum of 20 gallons of water per acre should be used for ground applications and a minimum of 10 gallons of water per acre should be used for aerial applications. Banded applications can be made early when plants are small (proportional band) as long as coverage is adequate. Blockade 50WG may be used following an at-planting Ridomil Gold® EC, Ridomil Gold® SL, or Ridomil Gold® GR application for control of downy mildew or white rust.

Restrictions: (1) Blockade 50WG should be applied to healthy, actively growing plants. Do not apply Blockade 50WG to plants that are stressed due to drought, excessive moisture, cold weather, or herbicide injury, etc. Do not apply when extended cold or cold and cloudy conditions are expected. (2) Do not apply Blockade 50WG to young seedlings. (3) Allow 7 days between the last application and harvest. (4) Do not apply more than 2¼ oz. of Blockade 50WG per acre per season.

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Manufactured for:
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