

HELMSTAR PLUS SC

fungicide



TECHNICAL FACT SHEET

Grapes

Preventive and curative activity for maximum disease control

Helmstar Plus SC is a premier fungicide containing the industry's most powerful systemic active ingredients. With preventive and curative activity, Helmstar Plus SC quickly knocks down diseases and provides a residual barrier to inhibit any newly forming diseases.

Capable of controlling the most devastating grape diseases, Helmstar Plus SC best-in-class formulation is proven to reduce plant stress while promoting long-term vine health.

Product Specifications

Brand Name	Helmstar Plus SC
Category	Fungicide
Active Ingredient	Azoxystrobin + Tebuconazole
Crops	Grapes
Site of Action	Group 11 / Group 3
Formulation	Suspension concentrate
AI/Gallon	Azoxystrobin 1.0 lbs a.i./g Tebuconazole 2.0 lbs a.i./g
Applications	Foliar broadcast
Rates	7.2 fl oz/A
Disease Spectrum	Powdery Mildew, Black Rot, Botrytis Bunch Rot ¹
Signal Word	Warning

¹Suppression

Performance Benefits

- Two powerful and complementary systemic modes of action.
- Preventive and curative activity for improved protection.
- Co-formulation of a strobilurin fungicide and a DMI fungicide.
- Targets multiple stages of the Powdery Mildew life cycle.

Resistance Management

Helmstar Plus SC is a top-notch resistance management tool that performs beyond what any single AI product can deliver. It also beats the competition when disease populations are strobilurin resistant.



GRAPES

HELMSTAR PLUS SC

REI	12 hours
PHI	14 days
Restricted Use	No
Packaging	2 x 2.5 gal 270 gal tote
EPA #	74530-69

TWO MODES OF ACTION

1 Strobilurin Fungicides Preventive Control

Azoxystrobin is from the strobilurin class of fungicides (known as quinone outside inhibitors-QoI). Strobilurins prevent spore germination and disease penetration into the plant.

2 Triazole Fungicides Curative Control

Tebuconazole is from the triazole class of fungicides (demethylation inhibitor-DMI). DMIs are highly active on growth of the fungi with limited activity on the spores. DMIs provide some post infection activity on fungi.

PREVENTIVE & CURATIVE

Helmstar Plus SC is a highly systemic fungicide, providing both preventive and curative properties that quickly decrease disease infection while providing a residual barrier to inhibit any newly forming diseases.

Helmstar Plus SC strengthens growers defense against grape diseases while improving crop quality and maximizing long-term vine health.

COMPETITIVE ADVANTAGE

Delivering the best value up front, Helmstar Plus SC is the single, simple solution for disease control on grapes.

APPLICATION RATES AND GUIDELINES - GRAPES

Disease	Application Rates	Maximum Use Rate Per Year	Pre-Harvest Interval
Powdery Mildew			
Black Rot	7.2 fl oz/A	57.6 fl oz/A	14 days
Botrytis Bunch Rot*			

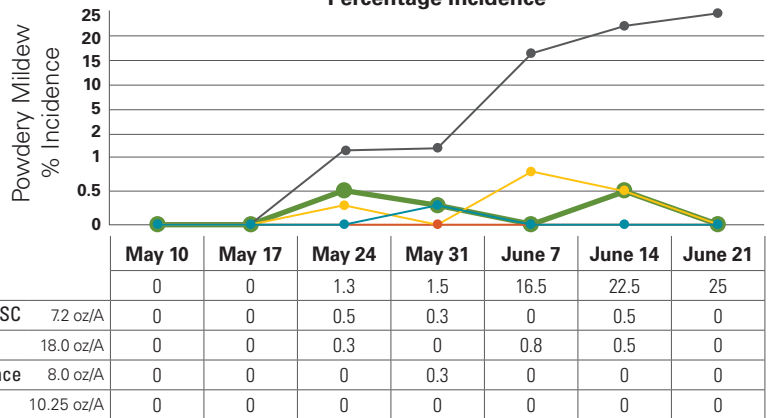
Powdery Mildew: Apply on a preventive spray schedule. Make the first application before bloom. Continue using spray intervals of up to 21 days for low to moderate disease pressure. Use a 14-day schedule when disease pressure is severe.

Black Rot: Apply in a preventive spray schedule. Make the first application at 1 to 3 inches of new shoot growth. Continue at 7-to 14-day intervals through 5 Brix stage or until veraison (berry coloring) is complete. Apply at 1 inch new shoot growth and at 7-to 10-day intervals on highly susceptible varieties or under severe disease conditions. Post Infection Schedule: From 1 inch new shoot growth through 5 Brix stage. Apply within 72 hours after start of infection. Applications must not be closer than 7 days apart. Continue preventive application schedule if the post-infection schedule is discontinued.

Botrytis Bunch Rot* (Suppression): Applying in a Powdery Mildew spray schedule will enhance fungicide activity to control Botrytis. Must apply on a 14-day schedule for suppression.

FIELD TRIAL PERFORMANCE DATA - GRAPES

POWDERY MILDEW CONTROL ON LEAVES Percentage Incidence



Escalon, CA. 2017 Applications: April 19; May 3, 17; June 1, 15, 29; July 12. NIS added to all treatments.

USE RESTRICTIONS - GRAPES

For Best Results: Sufficient coverage of vines and fruit is very important. Increase volume as vine growth increases. For optimum control, tank mix Helmstar Plus SC with the lowest specified rate of a spray adjuvant (non-ionic surfactant, crop oil concentrate, or blend) at the recommended rates. Adjuvants that contain some form of silicone can contribute to phytotoxicity.

Restrictions:

- Do not apply more than 0.90 lb AI Tebuconazole containing products/A/year.
- Do not apply more than 1.5 lbs AI Azoxystrobin containing products/A/year.
- The minimum interval between applications is 7 days.
- Restricted entry interval (REI) = 12 hours.



For more information, visit helmagro.com.

HELM Agro US, Inc.
401 E. Jackson St.
Suite 1400
Tampa, FL 33602
P: 813.621.8846
F: 813.621.0763
connect@helmagro.com