

Downy Mildew and Phytophthora Blight Control

For cucurbit vegetable growers who battle downy mildew, Elumin™ Fungicide is a new oomycete fungicide that adds effectiveness to your rotational spray programs so that you maximize crop quality and marketable yield. For pepper growers, *Elumin* is a new tool for Phytophthora blight control.

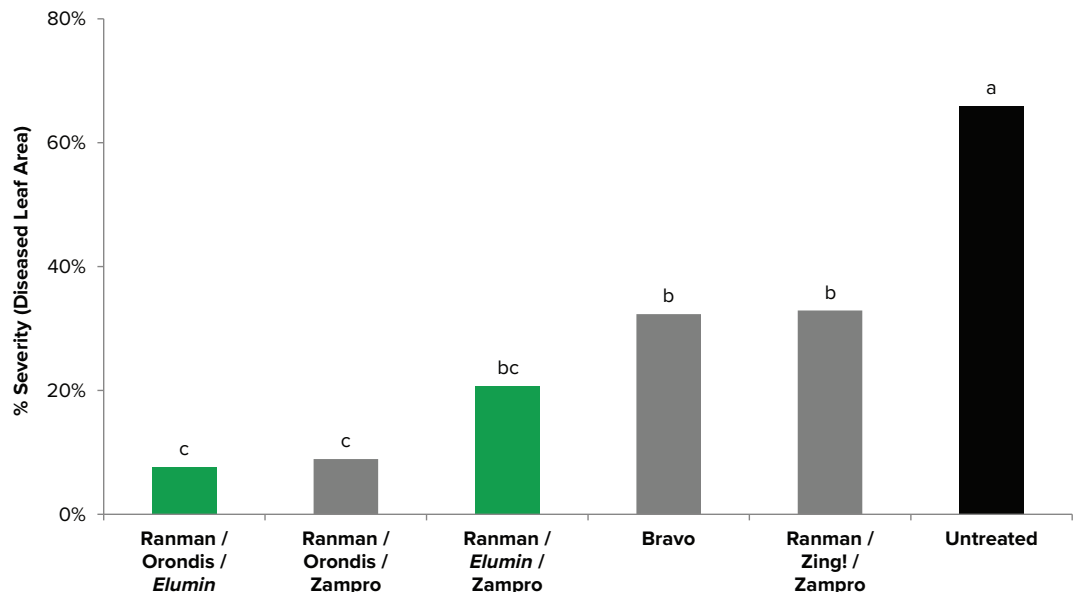
- ▶ Optimizes fungicide rotational spray programs to control foliar and soil diseases
- ▶ Stops disease spread through strong anti-sporulant activity
- ▶ Provides excellent protection and residual control through locally systemic activity
- ▶ Highly translaminar for upper and lower leaf surface protection

Elumin is the only FRAC 22 fungicide for soil use and controls root and stem diseases through systemic uptake. *Elumin* has no cross-resistance with non-FRAC 22 fungicides.

Elumin Delivers Excellent Downy Mildew Control on Cucurbits and Is An Effective Element of Rotation Programs

In research trials, *Elumin* rotated with Ranman® and Zampro® was more effective than Zing!® rotated with Ranman and Zampro.

Additionally, *Elumin* rotated with Ranman and Orondis® was as effective as Zampro rotated with Ranman and Orondis.



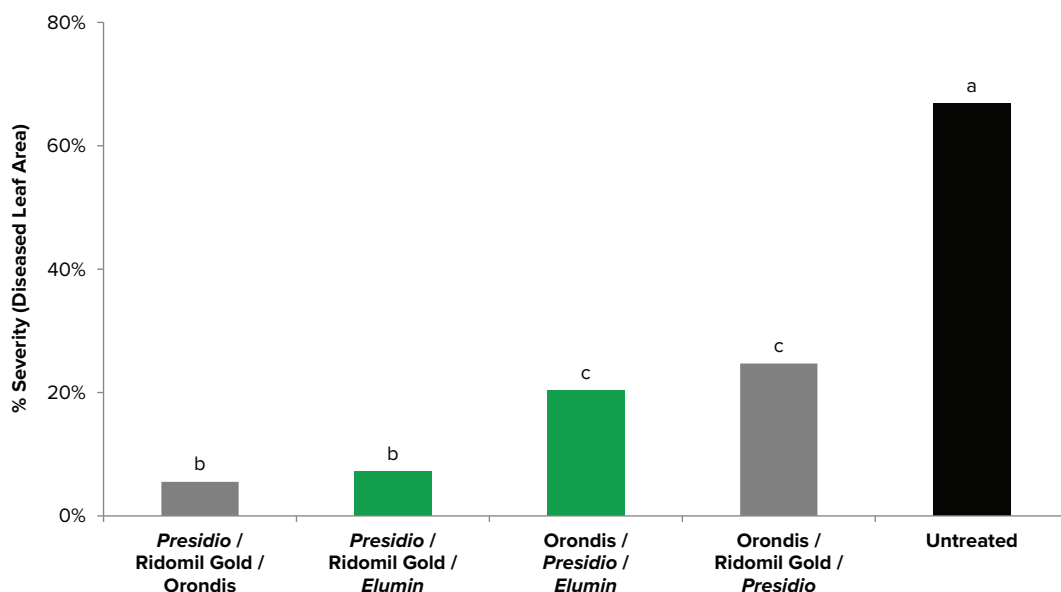
Application rates: *Elumin* 8 fl oz/A, Bravo® 24 fl oz/A, Orondis 2 fl oz/A, Ranman 2.75 fl oz/A, Zampro 19.2 fl oz/A, Zing! 14 fl oz/A.

All treatments tank mixed with NIS at 0.25% v/v and Bravo Weather Stik® (24 fl oz/A).

Means followed by the same letters are not significantly different ($P \leq 0.10$).

Elumin Delivers Excellent Phytophthora Control on Peppers and Is An Effective Element of Rotation Programs

In research trials, all programs that included *Elumin* and *Presidio*® in the rotation delivered excellent control of mefenoxam-resistant *Phytophthora capsici* on bell peppers.



Application rates: *Elumin* 8 fl oz/A, Orondis 4.8 fl oz/A, *Presidio* 4 fl oz/A, Ridomil Gold® 16 fl oz/A. Products applied either by drench, drip or foliar method. Means followed by the same letters are not significantly different ($P \leq 0.10$).

How To Use

Rate	<ul style="list-style-type: none"> ▶ 8 fl oz/A for downy mildew and Phytophthora blight ▶ Maximum number of applications per year: 2 ▶ Maximum rate per acre per year: 16 fl oz
Timing	Apply at minimum intervals of 14 days
Method	Foliar, soil or injection (drip irrigation)
Spray Volume	Ground: 20–100 GPA, Aerial minimum: 5 GPA
Adjuvant	Not required
Resistance Management	Sequential applications are not permitted. Alternate with a non-FRAC Group 22 fungicide.
Rotation Interval	Immediately (labeled crops), 30 days (all other crops)
PHI / REI	2 days / 12 hours
MRLs	<i>Elumin</i> is targeted for cucurbits and peppers grown for U.S. domestic consumption—export MRLs are not established for these crops

VALENT® Products That Work, From People Who Care® | valent.com | 800-6-VALENT (682-5368)

Always read and follow label instructions.

Elumin is a trademark and *Presidio* and *Products That Work, From People Who Care* are registered trademarks of Valent U.S.A. LLC. Bravo, Bravo Weather Stik and Orondis are registered trademarks of a Syngenta Group Company. Ranman is a registered trademark of Ishihara Sangyo Kaisha, Ltd. Zampro is a registered trademark of BASF. Zing! is a registered trademark used under license by Gowan Company, LLC. ©2017 Valent U.S.A. LLC. All rights reserved. Printed in the U.S.A. 2017-ELM-8000-R1 PM 8/17