

New Tool to Enhance Your Cucurbit Downy Mildew Program

New fungicide enhances effectiveness of rotational spray programs



Cucurbit vegetable growers who battle downy mildew know the strain this disease can cause on their crop quality and marketable yield. Depending on the weather during the growing season, downy mildew can develop and spread rapidly, resulting in severe crop damage.

In order to preserve the arsenal of cucurbit downy mildew fungicides, it's important to follow a solid, integrated pest management program that rotates fungicides with different FRAC codes. If product stewardship and strict management resistance aren't practiced, the pathogen quickly develops resistance and can further devastate your crops.

"Growers need to have more than one mode of action available and alternate chemistries to effectively manage the disease," said Carolyn Syphrit, vegetable crop lead with Valent. "The key to controlling cucurbit downy mildew is finding the best team player for both performance and rotation."

Protection Against Foliar and Soilborne Diseases

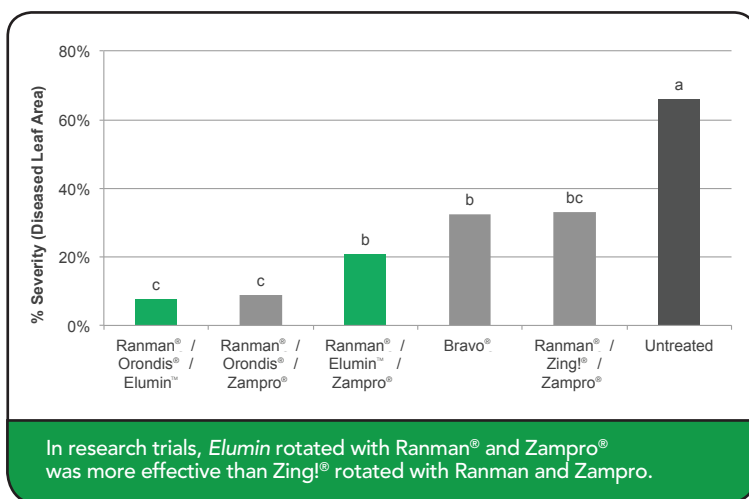
Elumin™ Fungicide is a new oomycete fungicide that provides excellent protection against cucurbit downy mildew and pepper Phytophthora blight. Growers can see optimal disease control with *Elumin* when used preventively in a program alongside other fungicides with a different mode of action.

Elumin prevents spores from splitting or even being produced, which limits the ability of foliar and soil pathogens to grow and infect plants. A FRAC 22 fungicide, *Elumin* controls root

and stem diseases through systemic uptake, providing strong protectant and residual foliar control. In addition to systemic activity, *Elumin* is also highly translaminar, meaning that both upper and lower leaf surfaces are protected.

Enhance Your Rotational Program

In 21 research trials conducted in Georgia, Florida, North Carolina and Michigan, programs that included *Elumin* in the rotation delivered excellent control of cucurbit downy mildew. These results proved *Elumin* to be a strong fit in a rotational program designed to provide season-long control of the disease and to manage fungicide resistance potential.



Additionally, *Elumin* also delivers excellent Phytophthora blight control on peppers when used in a program with Presidio® Fungicide. This program is particularly effective against mefenoxam-resistant *Phytophthora capsici* on bell peppers.

"*Elumin* has proven efficacy on these oomycete diseases," Syphrit said. "*Elumin* allows growers to take effective action and achieve optimal disease control in their rotational foliar spray programs in order to maximize crop quality and marketable yield."



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