Advanced Powdery Mildew Control for Cucurbits

Benefits of Vivando® Fungicide

- Unique mode of action for high performance and resistance management
- Multi-Level Activity stops infections and limits sporulation with surface migration for improved coverage and performance
- Highly rainfast and favorable PHI for flexible and effective powdery mildew control

Vivando Fungicide Control of Squash Powdery Mildew

- Vivando Fungicide (15 fl oz/A) + O-Si (0.03%)  0.5
- Torino® (3.4 fl oz/A) + O-Si (0.025%)  0.6
- Rally® 40WSP (5 oz/A) + O-Si (0.025%)  1.1
- Fontelis® SC (1 pt/A) + Bravo Weather Stik® (2 pt/A)  1.3
- Fontelis (1 pt/A) + O-Si (0.025%)  2.0
- Fontelis (1 pt/A) alt. Torino (3.4 fl oz/A)  2.0
- Untreated  4.3

**Best Use Recommendations**

- **Use Rate:** 15.4 oz/A
- Apply preventively for best performance
- Does not have curative action
- Alternate PHI = 0 days
- ≤ 2 sequential sprays then change MoA
- Maximum of 3 sprays/year

**Adjuvant Flexible**

- Performance generally improved by adding non-phytotoxic adjuvants
- Use commonly recommended organo-silicone adjuvants
- DO NOT mix with horticultural oils

**Target Disease**

- Powdery Mildew – *Sphaerotheca* spp and *Erysiphe* spp

**Crop Uses**

- All Group 9 cucurbit vegetables
- Grapes, pome fruits, fruiting vegetables, hops, cherries, peach and apricot

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**Vivando Fungicide Unique Mode of Action**

Vivando fungicide disrupts actin accumulation in the hyphal tip. This stops normal fungus growth.

- Normal actin accumulation at hyphal tip (left) allows for normal fungal growth. Vivando fungicide prevents actin accumulation (right) and this disrupts fungal growth. Photos use antibody-based staining and CLSM microscopy technique.

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**Vivando Fungicide Use Timing Recommendation**

- Vivando fungicide can be alternated with Merivon® fungicide at 5.5 oz/A, which would utilize 3 modes of action for optimal powdery mildew control in cucurbits
- Vivando fungicide and Merivon fungicide are most effective when applied at the first sign of disease
- Mix Merivon fungicide with water only for applications made to the cucurbit vegetables group

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Always read and follow label directions

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Torino is a registered trademark of Gowan Company. Rally is a registered trademark of The Dow Chemical Company. Fontelis is a registered trademark of E.I. du Pont de Nemours and Company. Bravo Weather Stik is a registered trademark of Syngenta Group Company. Sylgard is a registered trademark of Dow Coming Corporation.

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