



## Quintec<sup>®</sup> Provides New Option for Powdery Mildew Control in Strawberries

Protecting against powdery mildew is an integral part of producing high-quality strawberries. With a new class of chemistry never used before in strawberries, Quintec<sup>®</sup> fungicide, with the active ingredient quinoxyfen, is an important part of a powdery mildew management program. Quintec provides superior plant protection from its unique ability to move around fruit and foliage after application.

### Evaluation of fungicides to control powdery mildew on annual strawberry, 2004-2005

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Treatment, rate/A and frequency <sup>a</sup>	Marketable yield (lb./A)	PM on fruit (% fruit) <sup>b</sup>	PM on foliage (0 – 7 scale) <sup>c</sup>
Quintec 250SC (6 fl oz.)	12,000 ab	2.4 ab	3.3 a
Nova 40W (4 oz.) alt. with Quintec 250SC (6 fl oz.)	12,100 ab	2.3 ab	4.1 b-d
Nova 40W (4 oz.)	9,300 c-e	7.1 c-e	5.2 fg
Pristine 38WG (23 oz.) alt. with Procure 50WS (8 oz.)	12,300 a	2.6 a-d	4.0 bc
Procure 50WS (8 oz.) + Thiram 65WSB (4 lb.)	12,000 ab	3.8 a-e	4.4 cd
Procure 50WS (8 oz.)	11,600 ab	4.4 b-e	4.6 d-f
Procure 480SC (8 fl oz.)	11,200 a-c	3.2 ab	4.4 cd
Microthiol Disperss 80WP (7.5 lb.)	10,200 b-d	2.3 ab	4.6 d-f
Thiram 65WSB (4 lb.)	9,500 cd	5.5 b-e	5.2 fg
Captan 80WDG (3.5 lb.)	9,300 c-e	6.9 de	4.6 d-f
Captevate 68WDG (5.25 lb.)	9,000 d-f	6.1 de	5.1 e-g
PrevAM (1.6 qt.) 7-day	7,300 ef	2.7 a-c	3.6 ab
PrevAM (1.6 qt.) + Procure 50WS (8 oz.)	7,100 f	2.7 ab	3.7 ab
PrevAM (1.6 qt.) + Captec 4L (1.5 qt.) 7-day <sup>d</sup>	7,100 f <sup>z</sup>	1.2 a	3.2 a
Control (no fungicides applied)	8,900 d-f	7.9 e	5.2 g

<sup>a</sup>Treatments were applied at 14-day intervals from Nov. 17, 2004, to Feb. 23, 2005, unless otherwise indicated.

<sup>b</sup>Fruit with conspicuous powdery mildew (PM) on more than 25 percent of the achenes were considered diseased.

<sup>c</sup>Foliar disease severity was recorded in late January by removing one older leaflet/plant and determining percent mycelial coverage of the abaxial surface on a 0 to 7 scale (0 = no powdery mildew detected, 7 = greater than 90 percent coverage).

<sup>d</sup>A + sign indicates a tank-mix of two or more products.

<sup>e</sup>Means within columns followed by the same letter are not significantly different by Fisher's protected LSD ( $P \leq 0.05$ ).

**Benefits of Quintec fungicide:**

- Excellent protectant control of powdery mildew with residual control of 10 to 14 days
- Redistribution across expanding leaf and berry tissues to form a protective barrier, allowing it to reach hard-to-cover areas on fruit and leaves
- New mode of action never used before in strawberries; the active ingredient, quinoxifen, is the only member of the quinoline class of chemistry
- Excellent crop safety
- Short preharvest and re-entry interval of one day and 12 hours, respectively
- Rainfastness in one hour
- Does not disturb populations of most key nontarget species or biological control agents, such as predatory mites
- Reviewed and registered under the U.S. Environmental Protection Agency's Reduced Risk Pesticide Initiative.

**Guidelines for applying Quintec<sup>®</sup>.**

<b>Spray rates and timing</b>	4 to 6 oz./A. All powdery mildew fungicides should be used on a preventive schedule. Apply Quintec <sup>®</sup> fungicide before visible symptoms of powdery mildew appear.
<b>Spray volume</b>	Coverage is essential. As more foliage becomes present, coverage becomes more difficult and spray volumes should increase. A minimum spray volume of 30 gal./A by ground is recommended.
<b>Resistance Management</b>	The number of Quintec sprays per crop must not exceed 50 percent of the total number of powdery mildew sprays. Use a product with a different mode of action, such as Nova <sup>®</sup> fungicide, after each Quintec application. Do not make more than two consecutive applications of Quintec before rotating to a different mode of action. Subsequent products should be applied within 14 days of applying Quintec.
<b>Tank-mix compatibility</b>	Quintec may be applied with other fungicides and insecticides.

To learn more about Quintec<sup>®</sup> fungicide, visit [www.QuintecFungicide.com](http://www.QuintecFungicide.com). For more information about Dow AgroSciences or any of our crop protection products, e-mail us at [info@dow.com](mailto:info@dow.com), call 1-800-258-3033 or visit our Web site at [www.FarmSmart.com](http://www.FarmSmart.com).