



The miracles of science™

Count on DuPont to help you deal with just about anything

DuPont™ Fontelis® fungicide

Stone Fruit Recommendations — California

DuPont™ Fontelis® fungicide delivers broad-spectrum coverage for fast-acting and long-lasting protection with pre- and post-infection activity. It's the power and flexibility you need to improve your odds for high-quality, high-yielding stone fruit.

Key Benefits of Fontelis®:

- Delivers broad-spectrum control of blossom and foliar diseases with a single active ingredient
- Provides strong protection with post-infection activity
- Offers the flexibility to rotate or tank mix disease-control products for better resistance management
- Holds up against heavy disease pressure
- Provides excellent crop tolerance with no adverse effects on crop growth, yield or produce quality
- Penetrates rapidly into plant tissues; rainfast within 1 hour
- May be used with adjuvants and is compatible with many labeled fungicides, insecticides, foliar nutrients and biological products used in stone fruit production

Diseases controlled by Fontelis®

Brown rot blossom blight and fruit rot	Powdery mildew
Botrytis rots (Jacket rot)	Rust
Shot hole	

DuPont™ Fontelis® fungicide

Active ingredient name: Penthiopyrad

Chemical class: FRAC Group 7, *carboxamides*

Formulation: 1.67 SC

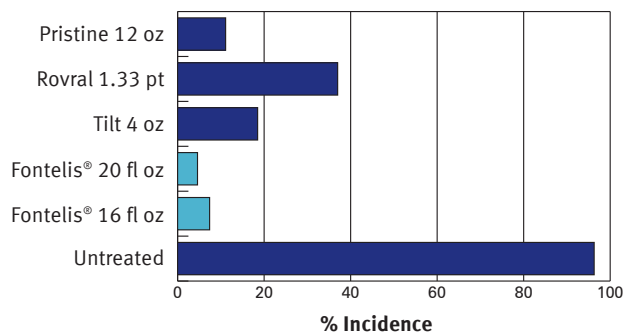
Registered by EPA under its Reduced Risk Pesticide Program for most labeled crops¹

Short PHI: 0 day

Short REI: 12 hours

¹ Contact your DuPont representative for the list of crops that have been registered in the Reduced Risk Pesticide Program.

Performance on Brown Rot Blossom Blight in Peaches² Madera, CA



Source: 2011 DuPont Madera Field Station (Lab and field bioassay inoculated blossoms) FMA-11-054

² Peach trees were sprayed in the field when they were at approximately 50% full bloom. After 24 hours of field weathering, blossoms were collected from the trees and transported to the lab for inoculation with a spore suspension of *M. fructicola*. Blossoms were evaluated for sporulating *M. fructicola* after a 4-day incubation period.

Control of Brown Rot in Nectarines Parlier, CA — 2011

Applications were made on the day of harvest to assess post-harvest disease control in storage.



DuPont™ Fontelis®



Untreated



Tilt



Pristine

Photos taken 22 days post harvest.

DuPont™ Fontelis® Program Recommendation

Crop Group With Examples	Target Disease	Fontelis® Rate	Maximum Rate per Acre per Application	Maximum Product per Acre per Year	Last Application (Days to Harvest or PHI)	REI (Hours)	Comments
Stone fruits Apricot; cherry, sweet; cherry, tart; nectarine; peach; plum; plum, Chickasaw; plum, Damson; plum, Japanese; plumcot; prune (fresh)	Alternaria rot ¹ (<i>Alternaria</i> spp.) Botrytis rots (Jacket rot) (<i>Botrytis cinerea</i>) Brown rot blossom blight and fruit rot (<i>Monilinia</i> spp.) Cherry leaf spot ^{1,2} (<i>Blumeriella jaapii</i>) Green fruit rot ¹ (<i>Sclerotinia sclerotiorum</i>) Powdery mildew (<i>Podosphaera clandestina</i> , <i>Sphaerotheca pannosa</i>) Rust (<i>Tranzschelia discolor</i>) Scab ¹ (<i>Cladosporium carpophilum</i>) Shot hole (<i>Wilsonomyces carpophilus</i>)	14–20 fl oz/A	20 fl oz	61 fl oz	0	12	Begin applications prior to disease development and continue on a 7- to 14-day interval. Use higher rate and shorter interval when disease pressure is high.

Make no more than 2 sequential applications of Fontelis® before switching to a fungicide with a different mode of action.

¹ Not for use in California on these diseases.

² Suppression.

Fontelis®
Recommended Timing

Optimum Application Timing for Peaches and Nectarines						
Disease	Dormant	20–40% Bloom	80–100% Bloom	3–6 Weeks Postbloom	3 Weeks Preharvest	1 Week Preharvest
Brown Rot	—	++	+++	+	++	+++
Powdery Mildew	—/ND	++	+++	+++	—	—
Leaf Curl*	+++	+	—	—	—	—
Rust	+	—	—	+++	++	—
Scab	—	+	++	+++	—	—
Shot Hole	+++	+	+	++	—	—

Fontelis®
Recommended Timing

Optimum Application Timing for Apricots						
Disease	Dormant	Red Bud	Popcorn	Full Bloom	Until Pit Hardening	1–3 Weeks Preharvest
Brown Rot	—	+++	+++	+++	—	+++
Jacket Rot**	—	—	—	+++	—	++
Powdery Mildew	—	—	—	+++	+++	—
Shot Hole	—	—	—	++	+++	—

Fontelis®
Recommended Timing

Optimum Application Timing for Cherries						
Disease	Late Budbreak	Popcorn	Full Bloom	Petal Fall	2–3 Weeks later	1–10 Days Preharvest
Botrytis	—	+++	+++	++	—	+++
Brown Rot	—	+++	+++	++	—	+++
Powdery Mildew	++	++	+++	+++	+++	+

Fontelis®
Recommended Timing

Optimum Application Timing for Plums						
Disease	Dormant	Green Bud	Popcorn	Full Bloom	Until Pit Hardening	Preharvest
Brown Rot	—	+	++	+++	—	+
Powdery Mildew	—	+	+	+++	+++	—
Shot Hole	—	—	—	—	+++	—

* Leaf curl is not on the Fontelis® label.

** Jacket rot caused by *botrytis cinera* in apricots.

Ratings: +++ most effective ++ moderately effective + least effective — ineffective ND = no data

Optimum application timing for fungicide treatment tables are based on Univ. of Calif. 2010 Fungicide Efficacy and Timing, www.uckac.edu/plantpath.



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Maximum Residue Levels (MRLs)

DuPont™ Fontelis® fungicide is registered with the EPA and has received registrations in most states. DuPont is establishing MRLs in key countries of export to facilitate ease of trade for our customers. For updates to MRL status, please refer to the USDA MRL Database (mrl database.com).

For any specific MRL-related questions on Fontelis® to support your crop export management decisions, please contact your local DuPont representative or email DuPont™ SmoothTrade™ Solutions at SmoothTrade@dupont.com.

For more information

Why take a chance? Contact your local DuPont retailer or representative to get the power and flexibility you need to improve your odds for high-quality, high-yielding stone fruit with DuPont™ Fontelis® fungicide. And visit us at fontelis.dupont.com.