

# Technical Information Sheet

Fontelis<sup>®</sup> is a fungicide for the control of Scab and suppression of Powdery mildew in apples and pears.

Fontelis<sup>®</sup> is a broad-spectrum fungicide containing penthiopyrad, a member of the FRAC group 7, the succinate dehydrogenase inhibitors (SDHIs).

## Key facts

Product Registration Number:	Fontelis <sup>®</sup> – MAPP 17465
Active Ingredient:	Fontelis <sup>®</sup> – 200g/l penthiopyrad (FRAC Code 7)
Pack Size:	5L (6.66 ha pack)
Formulation:	Suspension Concentrate
Maximum Single Dose Rate:	0.75l/ha
Maximum No. of Applications:	2 per crop per season with an interval of 7 days between applications. Usually only 1 application is made before flowering.
Application Timing:	BBCH11 First leaves unfolded to 21 days before harvest
Latest time of Application:	21 days before harvest
Following Crop Restrictions:	None
Rainfastness:	1 hour
Water Volume:	500-750L/ha. Higher volumes are recommended when the crop is dense. Where tree height and/or canopy density is reduced, the dose (and water volume) should be adjusted in accordance with an appropriate dose adjustment scheme, i.e PACE.
Aquatic buffer zone	If the ditch contains water an unsprayed buffer zone of <b>40m</b> must be observed, if dry this is reduced to <b>5m</b>

## Best Use Advice

- Fontelis<sup>®</sup> will offer control of apple scab, *Venturia inaequalis*, pear scab, *Venturia pirina* and suppression of Powdery mildew, *Podosphaera leucotricha*, on all varieties of apples and pears.
- Fontelis<sup>®</sup> shows good crop safety, disease control and maintenance of green leaf area which results in significant yield benefits
- Fontelis<sup>®</sup> is best applied as a protectant treatment or during the earliest stages of disease development.
- Apply Fontelis<sup>®</sup> from BBCH 11 first leaves unfolding up to 21 days before harvest.
- For best control of scab apply Fontelis<sup>®</sup> between BBCH 53 (bud burst) and BBCH71 (end of flowering) and alternate control with an alternative effective mode of action containing fungicide.
- Avoid application in either periods of frost or hot, sunny weather conditions.
- Do not apply if the crop is suffering from stress as a result of drought, waterlogging, low temperatures, nutrient or lime deficiency or other factors reducing crop growth.

## Resistance Management

- Fontelis®, FRAC group 7, should be used preventatively or at the early stage of disease development. Use Fontelis® as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate by alternating or mixing fungicides with a different mode of action. Disease control may be reduced if strains of pathogens less sensitive to penthiopyrad develop.
- For resistance management, the number of applications in apples of Fontelis® per season is limited to two. Users should refer to current FRAC guidelines for SDHI compounds and visit the FRAG-UK website.
- Apply no more than 2 consecutive spray of Fontelis® or other SDHI fungicides to the crop.
- FRAC guidance indicates that the maximum number of SDHI fungicides that can be applied in mixture in apples and pears is 4 but is dependent on the total number of spray applications per crop – please refer to the current FRAC guidelines for the latest information.

## Fungicide programmes

- Fontelis® offers a good balance of preventative and curative activity on apple and pear scab, making it an integral component in the scab control programme.
- It offers very good translaminar movement and local systemicity within the leaves and fruit.
- Disease control is maintained even in a range of temperatures
- For best control of scab apply Fontelis® between BBCH 53 (bud burst) and BBCH71 (end of flowering) and alternate control with an alternative effective mode of action containing fungicide.
- Fontelis® has also been shown to have activity on powdery mildew, especially on primary infection sites
- Fontelis® is suitable in Integrated Fruit Management programmes as it is safe to bees, pollinators and other beneficial arthropods.
- For a full tank mix list please visit the website- <https://www.corteva.ie/tools-and-advice/tank-mixes.html>