

Excalia® Fungicide: Get Medieval on Apple Scab

Excalia® Fungicide is a highly effective SDHI fungicide to combat early-season apple scab, powdery mildew and rust diseases in apples. With excellent locally systemic and translaminar activity, *Excalia* provides complete leaf tissue uptake and distribution across the leaf surface to shield apples with powerful early-season disease protection. Use *Excalia* to fortify early-season protection to start clean and stay clean.

- ▶ Superior locally systemic action for complete leaf tissue uptake and distribution across the leaf surface
- ▶ Highly translaminar for fast movement to the opposite side of the leaf for protection of both sides
- ▶ Excellent control of apple scab—even early post infection
- ▶ Attacks the scab pathogen at two key points in its life cycle: spore germination and mycelial growth

Excalia Efficacy Against Apple Scab

In full-season program comparisons, the *Excalia*-based program resulted in the lowest percentage of apples with primary scab at harvest. Only pink, bloom and petal fall applications are shown here.

Fungicide Program	Pink	Bloom	Petal Fall	% Fruit with Primary Scab at Harvest
Untreated	—	—	—	73.50 a
Valent	<i>Excalia</i>	Inspire Super®	<i>Excalia</i>	9.50 e
BASF	Tesaris™	Cevya®	Cevya	16.50 de
Syngenta	Actigard®	Actigard/ Omega	Miravis®	16.50 de
Grower Standard	Tesaris	Inspire Super	Miravis	26.00 cd
Excellent		Good		Poor

Means followed by the same letters are not significantly different ($P \leq 0.01$). Note: additional treatments, not published here, were included in the trial. Source: Reality Research, Lyons, NY

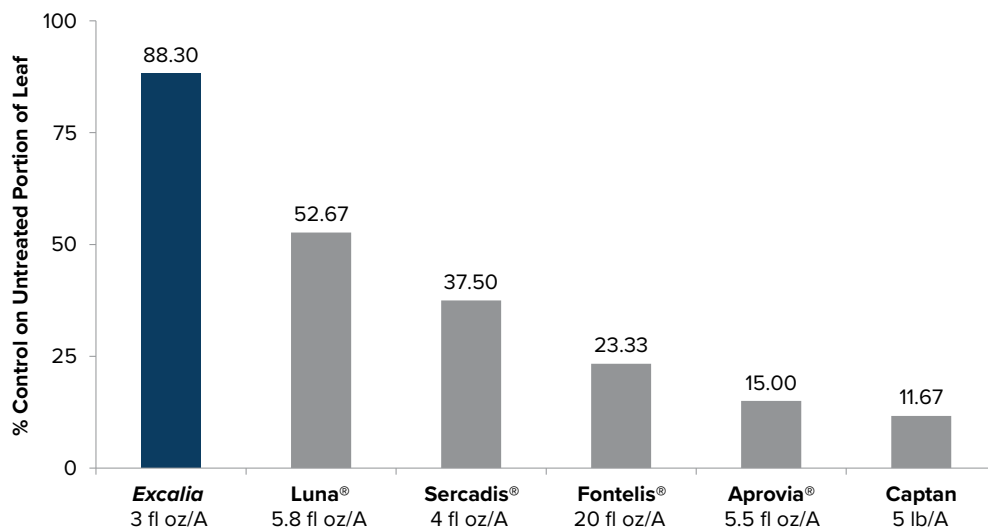


How To Use

Rate	3–4 fl oz/A (maximum rate per year: 8 fl oz/A) • Do not make more than two applications per year • Re-treatment interval: 10 days
Timing	Make applications between green tip and petal fall. Do not apply earlier than green tip.
Method	Foliar
Spray Volume	Ground 100 gal/A
Adjuvant	Do not apply with crop oil concentrate
REI / PHI	12 hours / Do not apply after petal fall
MRLs	When used according to the label, residues will not exceed the default MRL (0.01 ppm)

Excalia Systemic Activity

Excalia provides superior systemic action for complete leaf tissue uptake and distribution across the leaf surface.



In greenhouse testing, when applied to the leaf petiole, Excalia exhibited superior control of apple scab through systemic movement to the untreated leaf portion.

Untreated scab severity was 100%.

Application volume: 2 ul/petiole
Application: Oct. 4
Inoculation: Oct. 9
Assessment: Oct. 23
Source: Sumitomo Chemical Co.



Other Important Information

- ▶ For resistance management, do not tank mix with other FRAC 7 fungicides
- ▶ FRAC guidelines for managing SDHI resistance:
 - Use preventively or early in outbreak
 - Limit the number of SDHI applications to 3 per season
 - SDHIs should be premixed or tank-mixed with other effective modes of action
- ▶ Rainfast in 2 hours
- ▶ Do not apply within 50 feet of any freshwater lake, pond, river, stream or wetland
- ▶ Do not apply to pears



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