

Fungicides approved for use on apple which are recommended to control apple powdery mildew or offer some incidental control when applied for control of other diseases – efficacy factors

Active ingredient	Trade name (examples)	Chemical group	Eradicant action	Protectant action (days)	Anti-sporulant action	Resistance risk	Typh safety	Other disease controlled/part controlled
Bacillus amyloliquefaciens	Amylo X WG	Not classified	eradicant and protectant	Varies according to weather	unknown	Low	safe	Botrytis, fireblight
boscalid + pyraclostrobin	Bellis	Strobilurin (QoI) + anilide	protectant	10-14	unknown	high	safe	scab, canker, storage rots
bupirimate	Nimrod	Hydroxy-pyrimidine	eradicant and protectant	7-10	AS	mod-high	safe	-
cyflufenamid	Cosine	Amidoximes	eradicant and protectant	7	AS	high	safe	-
fluopyram	Luna Privilege	Pyridinyl-ethyl-benzamide	protectant	7-14 depending on weather and season	AS	mod-high	safe	Evidence of good scab activity and some storage rots including Botrytis and Neofabraea
fluxapyroxad	Sercadis	Pyrazole-4-carboxamide	protectant	5-10	unknown	mod-high	not tested	scab
kresoxim-methyl ¹	Stroby WG ¹	Strobilurin (QoI)	protectant	7	unknown	mod-high	safe	scab
mefentrifluconazole	Vayo	DMI (triazole)	protectant	7	unknown	high	not tested	scab
myclobutanil	Sythane 20EW	DMI (triazole)	eradicant	7*	AS	high	safe	scab
penconazole	Topas Topenco 100EC	DMI (triazole)	eradicant and protectant	7	AS	high	safe	(scab)
penthiopyrad	Fontelis	Pyrazole-4-carboxamide	protectant	7	Unknown	mod-high	not tested	scab
potassium bicarbonate ³	Karma	Inorganic	eradicant	0	AS	low	safe	-
proquinazid	Talius, Justice	Quinazolinone	protectant	10-14	AS	medium	safe	-
sulphur	various	Inorganic	(eradicant)	7-10	(AS)	low	harmful	scab
trifloxystrobin	Flint	Strobilurin (QoI)	protectant	7-10	AS	high	Safe	scab

The information in this table on fungicide action is based on the results of recent research

Notes

¹ – Reduction in powdery mildew only, ² – Moderate control of powdery mildew only, ³ – Food grade potassium bicarbonate only must be used

* - Protectant action greatly reduced at lower doses

() – some eradicant or antispore action only