



List of pathogens with field resistance towards QoI fungicides (updated 12/09/12)

Species name		Host	Geographical distribution	Type of resistance	Citation
<i>Alternaria alternata, Alternaria tenussima, Alternaria arborescens</i>	Alternaria Blight	Pistachio	USA	G143A	(1) (2)
<i>Alternaria alternata</i>	Early Blight	Potato and Tomato	EU	G143A	(17)
<i>Alternaria mali</i>	Alternaria Blotch	Apple	USA	G143A	(3)
<i>Alternaria solani</i>	Early Blight	Potato	USA	F129L	(4)
<i>Ascochyta rabiei</i>	Ascochyta blight	chickpeas	USA	G143A	(32)

<i>Blumeria graminis</i> f. sp. <i>tritici</i> and <i>hordei</i>	Powdery Mildew	Wheat and Barley	EU	G143A	(5)
<i>Botrytis cinerea</i>	Gray Mold	Strawberries	EU	G143A	(17)
<i>Cercospora sojina</i>	Frogeye spot	Soybeans	USA	G143A?	(29)
<i>Cercospora beticola</i>	Cercospora Leaf spot	Sugar beet	USA	G143A	(31)
<i>Cladosporium carpophilum</i>	Scab	Almonds	USA	?	(27)
<i>Colletotrichum graminicola</i>	Anthrachnose	Turf grass	USA	G143A	(6)
<i>Corynespora cassiicola</i>	Leaf Spot, Target Spot	Cucumber	Japan	G143A	(7)
<i>Didymella bryoniae</i>	Gummy Stem Blight	Cucurbit	USA	G143A	(8)
<i>Erysiphe necator</i>	Powdery Mildew	Grapes	USA, EU	G143A	(17)
<i>Glomerella cingulata</i> (= <i>Colletotrichum gloeosporioides</i>)	Anthrachnose	Strawberries	Japan	G143A	(9)

<i>Microdochium nivale</i> <i>Microdochium majus</i>	Snow mold, Ear blight	Wheat	EU, Japan	G143A	(17, 28)
<i>Mycosphaerella fijiensis</i>	Black Sigatoka	Banana	Central and South America, CAM, PHIL	G143A	(10)
<i>Mycosphaerella graminicola</i>	Septoria leaf spot	Wheat	EU	G143A	(11) (12)
<i>Mycosphaerella musicola</i>	Yellow Sigatoka	Banana	S America, Australia	G143A	(17)
<i>Mycovellosiella natrassii</i>	Leaf Mold	Eggplant	Japan	G143A	(13)
<i>Passalora fulva</i>	Leaf Mold	Tomato	Japan	F129L	()
<i>Phaeosphaeria nodorum</i>	S. nodorum leaf blotch	Wheat	EU	G143A	(30)
<i>Plasmopara viticola</i>	Downy Mildew	Grape	EU	G143A and F129L	(14)
<i>Pseudoperonospora cubensis</i>	Downy Mildew	Cucurbits	EU, Asia	G143A	(15) (16)
<i>Pyrenophora teres</i>	Net Blotch	Barley	EU	F129L	(17, 24, 26)

<i>Pyrenophora. Tritici-repentis</i>	Tan Spot	Wheat	EU	G143A, and F129L and G137R	(17, 24, 25)
<i>Pyricularia grisea</i>	Gray Leaf Spot	Turf grass	USA	G143A and F129L	(18) (19)
<i>Pythium aphanidermatum</i>	Pythium Blight	Turf grass	USA	F129L	(20)
<i>Ramularia areola</i>	Grey mildew	Cotton	Brazil	?	(17)
<i>Ramularia collo-cygni</i>	Ramulariose	Barley	EU	G143A	(17)
<i>Rhynchosporium secalis</i>	Scald	Barley	EU	G143A	(17)
<i>Rhizoctonia solani AG1.1A</i>	Sheath blight	Rice	USA	F129L	(17)
<i>Sphaerotheca fuliginea</i>	Powdery Mildew	Cucurbits	EU, Asia	G143A	(21) (22)
<i>Stemphylium vesicarium</i>	Brown spot	Asparagus and Pear	EU	G143A	(17)
<i>Venturia inaequalis</i>	Scab	Apple	EU	G143A	(23)

<i>Venturia pirina</i>	Scab	Pears	USA	G143A	(17)
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