

Effects of Fungicides on Mycorrhizal Fungi:

Common Name	Trade Name	Recommendations for:	
		Endo Mycorrhizae	Ecto Mycorrhizae
Azoxystrobin	Heritage, Quadris	OK	OK
Banrot	Banrot	N.A.	Avoid Use
Benodamil	Bayleton	Avoid use	Avoid Use
Boscalid, 3-pyridinecarboxamide, 2-chloro-N-(4'-chloro(1,1'-biphenyl)-2-yl)	Endura	OK	Insufficient data
Captan	Captan, Orthocide	Avoid use	No effect at low rate, tends to suppress at high rate
Carboxin + thiram	Vitavax	OK	Insufficient data
Chloroneb	Terraneb SP, Terremec SP+B14	No effect at low rate, tends to suppress at high rate	Avoid Use
Chlorothalonil	Bravo Plus, Chloroflo, Chlortosip, Chloronil, Daconil 2787, Daconil ultrex, Strike	OK	No effect at low rate, tends to suppress at high rate
Copper Hydroxide	kocide	OK	Insufficient data
Cyproconazole	Sentinel	OK	Insufficient data
Difenoconazole + Metalaxyl	Dividend	OK	Insufficient data
Dithiocarbamates	Ferbam	Minimal effect at low to moderate rates, possible suppression at high rates	Avoid Use
Ethylenebisdithiocarbamate ion (EBDC) (C ₄ H ₆ N ₂ S ₄)	Powerline MZ	OK	Insufficient data
Etridiazole	Koban	Insufficient data	Avoid Use
Fenaminosulf	Lesan	Insufficient data	Avoid Use
Fenarimol	Rubigan	OK	Insufficient data

Fludioxonil, 70 - N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl)benzamide	Maxim 4F, Maxim MZ	OK	Insufficient data
Folpet	Phaltan	Avoid use	Avoid Use
Folpet	Cleary's 3336, Fungo, Systec 1998, Senator WSB	OK	Insufficient data
Fosetyl-AL	Alliette, Prodigy, Alliette Signature	OK	OK
Iprodione	Rovral	Avoid use	Insufficient data
Iprodione	Chipco 26019	OK	Insufficient data
Mancozeb (EBDC)	Manzate, Manzate flowable, Fore, Nubark MZ, Ridomil, Tops MZ, Tops MZ GAUCHO	OK	Avoid Use
Maneb (EBDC)	Maneb, Mancozeb	OK	Avoid Use
Metalaxyl-Ridomil	Apron / Subdue Maxx	OK	OK
Myclobutanil	Eagle, Rally, Systhane	OK	Insufficient data
Olpisan	Olpisan	Insufficient data	Avoid Use
Pentachloronitrobenzene	Blocker	Avoid use	Avoid Use
Propamocarb	Banol, Previcur, Proplant	OK	Insufficient data
Propiconazole	Stratego, Banner MAXX	Avoid use	Insufficient data
Pyraclostrobin	Headline	OK	Insufficient data
Quintozene	PCNB Terrachlor, Turfcide	No effect at low rate, tends to suppress at high rate	Avoid Use
Tebuconazole	Folicur®, Folicur 3.6	OK	Insufficient data
Tebuconazole + Metalaxyl	Raxil xt	No negative effects when used as a seed treatment. Avoid drench applications	Insufficient data
Tebuconazole + Thiram	Raxil Thiram	OK	Insufficient data
Thiophanate-methyl / Etridiazole	Banrot	OK	Insufficient data

Thiazole	Benomyl, Benlate, Tersan 1991	Avoid use	No effect at low rate, tends to suppress at high rate
Thiram	Thiram, Tersan 75	OK	Avoid Use
Triadimefon	Bayleton	Avoid use	Avoid Use
Zinc ethelene bisdithiocarbamate	Dithane	OK	Insufficient data
Zinc white	Zinc oxide	N.A.	Avoid Use
Ziram	Ziram	N.A.	Avoid Use
General Observations:			
" The longer the wait to apply any fungicide after mycorrhizal fungi inoculation, the better for the mycorrhizal fungi development			
" Most foliar sprays of any fungicide (except systemics such as Bayleton) have little effect on Mycorrhizal Fungi.			
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