

# Technical Bulletin

# MICRO PLUS



## Fungicide Use with MicroPlus

1. **Non-systemic fungicides** can normally be used as a foliar spray with MicroPlus at anytime.
2. **Soil drenching fungicides** should be avoided close to the time of MicroPlus inoculation; ie two weeks before treatment (longer if systemic) & four weeks after treatment.
3. **Seed treatment fungicides** are generally safe with MicroPlus, as they are used at low rates and are rapidly dissipated in the soil and roots.
4. **Foliar or soil applications of systemic fungicides** can lead to accumulation of fungicide in the root tissue which have a negative impact on MicroPlus fungi. Roots of plants treated with systemic fungicide cannot be colonised by MicroPlus (mycorrhizal) fungi for up to 3 weeks after fungicide treatment.
5. It is worth remembering that no fungicides eradicate either target fungi or beneficial mycorrhiza and trichoderma in MicroPlus; they only reduce development for a short period of time after application. The duration is determined by the persistence of the chemical in the environment.

## Effects of Seed Treatment Fungicides on MicroPlus

Fungicide	Comments
Azoxystrobin [strobilurin]	OK
Carbendazim [benzimidazole]	Avoid use
Captan [phthalimide]	OK (some suppression colonisation)
Emisan [MEMC mercuric]	Avoid use
Fludioxonil [phenylpyrrole]	OK (positive in soybeans)
Fludioxonil + Mefenoxam	OK for soybeans
Copper oxychloride	OK
Mancozeb [dithiocarbamate]	Avoid use
Mefenoxam [acylalanine]	OK for soybeans
Metalaxyl [acylalanine]	OK
Tebuconazole [triazole]+ Metalaxyl	OK
Thiram [dithiocarbamate]	Uncertain - suppression seen in peanuts
Ziram [dithiocarbamate]	Avoid use

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# MICROPLUS COMPATIBILITY

Common Name	Trade Name	MicroPlus Compatibility
Azoxystrobin	Heritage, Quadris	OK
Banrot	Banrot	No information
Benodamil	Bayleton	Avoid use
Boscalid, 3-pyridinecarboxamide, 2-chloro-N-(4'-chloro(1,1'-biphenyl)-2-yl)	Endura	OK
Captan	Captan, Orthocide	Avoid use
Carboxin + thiram	Vitavax	OK
Chloroneb	Terraneb SP, Terremec SP+B14	OK (at low rate)
Chlorothalonil	Bravo Plus, Chloroflo, Chlortosip, Chloronil, Daconil 2787, Daconil ultrex,	OK
Copper Hydroxide	Kocide	OK
Cyproconazole	Sentinel	No information
Difenoconazole + Metalaxyl	Dividend	OK
Dithiocarbamates	Ferbam	OK (at lower rates)
Ethylenebisdithiocarbamate ion (EBDC) (C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> S <sub>4</sub> )	Powerline MZ	OK
Etridiazole	Koban	Insufficient data
Fenamiosulf	Lesan	OK
Fenarimol	Rubigan	OK
Fludioxonil	Maxim 4F, Maxim MZ	OK
Folpet	Phaltan	Avoid use
Fosetyl-AL	Alliette, Prodigy, Alliette	OK
Iprodione	Chipco	OK (at low rate)
Mancozeb (EBDC)	Manzate, Manzate flowable, Fore, Nubark MZ, Ridomil, Tops MZ, Tops MZ Gaucho, Dithane	OK (at low rate)
Maneb (EBDC)	Maneb, Mancozeb	OK
Metalaxyl	Ridomil, Apron, Subdue Maxx	OK
Myclobutanil	Eagle, Rally, Systhane	No information
Pentachloronitrobenze (PCNB)	Blocker	Avoid use at high rates
Propamocarb	Banol, Previcur, Proplant	No information
Propiconazole	Stratego, Banner MAXX	Avoid use
Pyraclostrobin	Headline	OK
Quintozene	PCNB Terrachlor, Turfcide	No effect at low rate, avoid use at high rate
Tebuconazole	Folicur®, Folicur 3.6	OK
Tebuconazole +	Raxil XT	No negative effects when used as a seed treatment. Avoid drench applications
Tebuconazole + Metalaxyl	Raxil Thiram	OK
Thiophanate-methyl	Cleary's 3336, Fungo, Systec 1998, Senator WSB	OK
Thiazole	Benomyl, Benlate, Tersan 1991	Avoid use
Thiram	Thiram, Tersan 75	OK
Triadimefon	Bayleton	Avoid use
Zinc white	Zinc oxide	No information
Ziram	Ziram	No information

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