



BioWorks®
How You Grow Matters™



Compatibility Chart*

RootShield® Granules and PlantShield® HC are biological fungicides for the control of many root and foliar diseases. The active ingredient is a living microbe (*Trichoderma harzianum* strain T-22), which, after application, grows onto plant roots and foliage.

Recommendations: RootShield and PlantShield are compatible with the following compounds and can be applied before or after the application of the compound. Even though the a.i. is a fungus, extensive research has shown that it can be tank-mixed with many fungicides (see compatibility table on back). For incompatible fungicides, BioWorks recommends that RootShield or PlantShield be applied 10 to 14 days before or after chemical fungicide application.

Compatible Fungicides

Active Ingredient (a.i.)	Brand Names			
azoxystrobin	Abound	Heritage	Quadris	
<i>Bacillus subtilis</i> (various)	Companion	BioFungicide	Subtilex	Taegro
captan	Captan			
carboxin	Vitavax 34	Vitavax 200		
chloroneb	Chloroneb	Demosan	Terraneb	Terramec
chlorothalonil	Bravo	Daconil		
copper sulfate	Phyton-27			
dicloran	Botran			
etridiazole/thiophanate-methyl	Banrot			
etridiazole	Truban			
fenarimol	Rubigan	Lesco Twosome		
fludioxonil	Maxim	Medallion		
fosetyl Al	Aliette			
flutolanil	Moncut			
ipridione	Chipco 26019	Fungicide X	Rovral	Ipridione Pro
mancozeb	Fore	Pace 70W	Zyban	Dithane
maneb	Maneb	Manex		
metalaxyl-M	Subdue Maxx	Ridomil Gold		
metalaxyl	Apron	Subue Pace 7W		
myclobutanil	Eagle			
phosphorus acid	Allude	Agrifos	Fosphite	Topaz
propamocarb	Banol			
propanil	Prostar			
quintozene	Terraclor	Turfside	Penstar	PCNB
thiophanate methyl	Cleary's 3336	Topsin M	Tops 5	AllBan/Fungo
thiram	Spotrete	Vitavax 200		
triadimefon	Bayleton			
triadimenol	Baytan			
vinclozolin	Ronilan	Touche	Curalan	

Incompatible Fungicides

benomyl	Benlate	Tersan 1991	Bonide Lawn Fungicide	
imazilil	Fungaflo	Flo-Pro Nuzone		
propiconazole	Banner			
tebuconazole	Folicur 3.6 F			
triflumizole	Terraguard			

Compatible Growth Regulators

ancymidol	A-Rest			
chlormequat chloride	Cycocel			
diaminozide	B-Nine			
paclobutrazol	Bonzi			
uniconazole	Sumagic			

*Note: The products listed have been evaluated for their impact on PlantShield HC and RootShield active ingredient. The impact of PlantShield HC and RootShield Granules on the listed actives has not been evaluated.

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Compatible Herbicides

pendimethalin	Prowl	Pendulum		
glyphosate	Roundup			

Compatible Insecticides

Diazinon	Lindane	Lorsban	Malathion	
Marathon	Methoxychlor	Orthene	Sevin	

Compatible Miticide

dicofol	Kelthane			
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Compatible Biocides

halogenated heterocyclic	Agribrom			
hydrogen dioxide/ peroxyacetic acid	ZeroTol			
chlorine dioxide	Selectocide			

Compatible Surfactants

Latron B 1956	AtPlus S-12	Bivert	Capsil	Flozine
PsiMatrix	AquaGro 2000	R-11	(many other non-ionic surfactants)	

TANK MIX COMPATIBILITY TABLE

Chemical Name	Formulation	Product Name	Rate	Dilution
Azoxystrobin	50% SG	Heritage	0.4 oz. / 1000 sq. ft.	0.06 oz. /gal.
Captan	85% WP	Captan 85 WP	1.88 lb. / A	0.1 oz. /gal.
Chlorothalonil	82.5% WDG	Daconil Ultrex	3.7 oz. / 1000 sq. ft.	0.56 oz. /gal.
Chlorpyrifos	50% emulsifiable liquid	Lorsban 4E	3.2 oz. / gal.	3.2 oz. /gal.
Iprodione	23.3% FL	Chipco 26019 Flo	2.0 oz. / 1000 sq. ft.	0.3 oz. /gal.
Iprodione	50% soluble granules	Rovral	0.75 lb. / acre	0.04 oz. /gal
Metalaxyl-M	21.3% FL	Subdue Maxx	1.0 oz. / 1000 sq. ft.	0.005 oz. /gal.
Triadimefon	25% SG	Bayleton 25 T&O	0.75 oz. / 1000 sq. ft.	0.11 oz. /gal.
Thiophanate methyl	50% wettable powder	Cleary's 3336	8 oz. / 1000 sq. ft.	1.2 oz. /gal.
Vinclozolin	50% WP	Ronilil DF	0.75 lb. / acre	0.04 oz. /gal.