

Reference



Fungicide Combination Products

May, 2011

Pre-packaged fungicide combination products, and the active ingredients (AI) in each. There are up to 3 different AIs in a single combination product.

AI #1	AI #2	AI #3	Some common brand name(s)
azoxystrobin	propiconazole	--	Headway
azoxystrobin	chlorothalonil	--	Renown
chloroneb	thiophanate-methyl	--	Fungicide IX
chlorothalonil	propiconazole	--	Concert
chlorothalonil	propiconazole	fludioxonil	Instrata
chlorothalonil	thiophanate-methyl	--	ConSyst, Peregrine, Spectro
copper hydroxide	mancozeb	--	Junction
fluoxastrobin	chlorothalonil		Disarm C
fluopicolide	propamocarb	--	Stellar
flutolanil	thiophanate-methyl	--	Systar
iprodione	thiophanate-methyl	--	26/36, Dovetail, Fluid Fungicide, Twosome
pyraclostrobin	boscalid		Honor
triadimefon	trifloxystrobin	--	Armada, Tartan
trifloxystrobin	iprodione		Interface
triticonazole	chlorothalonil		Reserve

Active ingredient (AI) levels in single ai fungicides vs. combination products

Active ingredient (AI)	SINGLE A.I. PRODUCT		COMBINATION PRODUCT(S)	
	Product name	oz AI/1000 sq ft	Product name	oz AI/1000 sq ft
azoxystrobin	Heritage	0.1 - 0.4	Headway Renown	0.05 - 0.34 0.1 - 0.2
boscalid	Emerald	0.09 - 0.13	Honor	0.06 - 0.12
chlorothalonil	Daconil	0.8 - 4.1	Concert Disarm C Instrata Renown Reserve Spectro	0.8 - 4.3 0.8 - 3.0 1.0 - 4.1 1.5 - 3.0 1.7 - 2.9 2.2 - 4.1
fludioxonil	Medallion	0.1 - 0.3	Instrata	0.04 - 0.17
fluoxastrobin	Disarm	0.09 - 0.18	Disarm C	0.05 - 0.18
flutolanil	Prostar	1.1 - 3.2	Systar	1.0 - 3.1
iprodione	26GT	0.75 - 2.00	26/36 Interface	0.5 - 1.9 0.8 - 1.9
propiconazole	Banner	0.08 - 0.65	Headway Concert Instrata	0.08 - 0.57 0.6 - 0.3 0.16 - 0.65
pyraclostrobin	Insignia	0.10 - 0.18	Honor	0.09 - 0.18
thiophanate-methyl	3336	1.0 - 3.0	Spectro Systar 26/36	0.5 - 1.0 0.6 - 1.7 0.5 - 1.9
triadimefon	Bayleton	0.13 - 1.00	Tartan	0.25 - 0.50
trifloxystrobin	Compass	0.05 - 0.13	Tartan, Interface	0.05 - 0.10
triticonazole	Triton, Trinity	0.11 - 0.42	Reserve	0.22 - 0.37

The best reason for using a pre-packaged combination product is convenience. These products save time by targeting multiple diseases in one application. They also remove some of the guesswork associated with fungicide compatibility, since pre-packaged products are both physically and chemically compatible.

Before using a pre-packaged product, use the tables above to determine how much active ingredient is present in each product. It is also advisable to check the rates of active ingredient in each fun-

gicide for delivering the proper rates of the product for treating the targeted diseases.

To get an even more specific idea of how much of each fungicide active ingredient is being delivered in a fungicide combination product, use the "Product active ingredient calculation spreadsheet" that is available on the PACE Turf website at www.paceturf.org

Always refer to the product label to confirm all use, handling and application requirements.