

MAJOR CHEMICAL GROUPS OF TURFGRASS FUNGICIDES

Chemical Family	Common Name	Trade Name	Type/Mode of Action
Aromatic Hydrocarbons	Chloroneb	Anderson's Fungicide V 6.25G Anderson's Turf Fungicide 7.5G Termec SP, Terraneb SP Proturf Fungicide V	Protectant Fungicide Mode of action: Interferes with mitosis
	Etridiazol	Koban 30WP, Terrazole	
	PCNB	Anderson's 10-0-14 Fertilizer + 15% PCNB, Anderson's FFII 15 .4G (14-3-3), Cleary's PCNB, Defend 4F, Defend 75WP, Defend 10G, Engage 75W, Engage 10GF, FF II, Lesco Revere 4000 4F, Lesco Revere 10G, Parflo 4F, Penstar 75WP, Penstar 15G, Penstar 4F, Revere 10G, Revere 4000, Flowable Turf, Terraclor 75%WP, Terraclor 75%WP (T&O), Turfcide 400F, Turfcide 10G, Turfgo	
Benzimidazoles	Thiophanate methyl	Absorb TM, Anderson's Systemic Fungicide 2.3G, Cavalier, Cleary's 3336 50W/WSP, Cleary's 3336 2G, Cleary's 3336 4.5F, Fungo Flo AGC, Fungo 4.5F, Fungo Flo 50WSB, Lesco T-Storm (50WSP & Flowable), OHP 6672 (4.5L & 50W), Proturf Systemic Fungicide, Scott's Lawn Fungus Control, Systec 1998 85WDG, Topsin	Acropetal penetrant Mode of action: Fungicide binds tubulin subunits that results in mitotic arrest
Carboximides	Flutalonil	Prostar	Acropetal penetrant fungicide Basidiomycete control Mode of action: Blocks activity of certain respiratory enzymes
Demethylation Inhibitors (DMI's)	Fenarimol	Rubigan	Broad spectrum acropetal penetrant fungicide Mode of action: Sterol inhibitor (ergosterol). Inhibits cell membrane synthesis
	Myclobutanil	Eagle	
	Propiconazole	Banner Maxx 1.24 MEC, Banner GL 3.6WSP, Lesco Spectator 3.6EC, Propiconazole Pro 1.3MEC; Quali-pro propiconazole 14.3	
	Triadimefon	Accost 1G, Anderson's Fungicide VII 0.59G, Anderson's 1% Bayleton 1G, Bayleton 25WP, Bayleton 50WSP, Lebanon Bayleton 1G, Lesco Granular turf fungicide 1G, Lesco Systemic fungicide contains 50% Bayleton, Pro Bayleton, Proturf Fungicide VII, Strike 25 WP	
	Triticonazole	Trinity, Triton	
Dicarboximides	Iprodione	Chipco 26GT, Chipco 26019, Iprodione Pro 2SE	Localized Penetrant Mode of action: Affects DNA synthesis and lipid metabolism
	Vinclozolin	Vorlan, Curalan, Touche	
Carbamates and Dithiocarbamates	Mancozeb	Dithane 4SC Rainshield, Dithane 75DF Rainshield, Dithane DF, Dithane DF Rainshield, Dithane F-45 Rainshield, Dithane M-45, Dithane WF Rainshield, Dithane T/O Rainshield 75WP, Dithane 37WF, Flowable Mancozeb 4, Fore, Fore Flo-XL 4F, Fore 80WP Rainshield, Formex 80W, Lesco Mancozeb 75DG, Lesco 4 Flowable Mancozeb 4F, Mancozeb + Copper, Mancozeb DG, Manzate 80WP, Manhandle, ManKocide, Manzate 75DF, Manzate Flowable Protect T/O	Protectant fungicide Mode of action: Enzyme inactivation
	Propamocarb hydrochloride	Banol	Localized penetrant Mode of action: Alters cell membrane function

MAJOR CHEMICAL GROUPS OF TURFGRASS FUNGICIDES (Continued)

Chemical Family	Common Name	Trade Name	Type/Mode of Action
Nitriles	Chlorothalonil	Anderson's 5% ChloroStar 6F, 82.5WDG, Concord DF, Concord SST 6F, Countdown, Daconil 5G, Daconil Ultrex, Daconil Weatherstik, Daconil Zn, Echo DF, Echo 500, Manicure, Evade, Prograde 500, 75WDG, Lebanon Daconil 5G, Lescro Manicure T/O, 6F, Thaloniil, Ultrex 82.5WDG	Protectant Fungicide Mode of action: Toxic to cell membrane
Phenylamides	Mefenoxam	Anderson's Pythium Control 1.2G, Apron XL LS, Mefanoxam 2, Quell, Ridomil Gold EC, Subdue GR, Subdue Maxx, Subdue WSP, Tri-Power Selective	Acropetal penetrant fungicide Mode of action: Inhibits RNA synthesis
Phenylpyrrole	Fludioxonil	Medallion	Protectant Fungicide Mode of action: Cell membrane toxicity, amino acids uptake inhibition
Phosphonates	Fosetyl-Al	Aliette 80WP, Aliette WDG, Chipco Signature, Prodigy Signature, Lescro Prodigy Signature 80DG, Terra Aliette T/O, 80WDG	Systemic fungicide Mode of action: General fungitoxic effect
	Potassium Phosphonate	Alude Magellan, Vital	
Strobilurins	Azoxystrobin	Heritage	Broad spectrum, systemic
	Flouxastrobin	Disarm	Broad spectrum, systemic
	Trifloxystrobin	Compass	Broad spectrum, localized penetrant
	Pyraclostrobin	Insignia	Mode of action: ATP inhibition
Antibiotic	Polyoxin D	Endorse	Localized penetrant fungicide Mode of action: Inhibits chitin production, which is a major component of the cell wall in many fungi; Inhibits spore germination