

Fungicides



Incorporated in 2005, United Turf Alliance is dedicated to offering a wide range of post-patent and leading edge chemical technologies to the professional turf industry under the ArmorTech™ brand name. ProGro, Inc. has distributed the Armor Tech brand products since their inception. It is our belief that there is no better brand on the market, based on actual field performance, the quality of the formulations and the economics they provide.

All ProGro Armor Tech products are backed with a performance guarantee.

TMI 20/20

TMI 20/20 is a combination product with systemic and contact mode of action. Controls a wide spectrum of common disease including dollar spot, brown patch, anthracnose and leaf spot. Very economical for fairway applications.

20% iprodione 20% thiophanate methyl

1 gal container

Use Rate: 1.0 to 3.0 fl oz / 1000

Group **1,2** Fungicide



TM 462

TM 462 is a true systemic fungicide for broad spectrum disease control. Controls brown patch, dollar spot, anthracnose, fusarium blight and patch diseases. Flowable formulation for convenient use.

46.2% thiophanate methyl 2.5 gal container

Use Rate: 1.0 to 10.0 fl oz / 1000

Group **1** Fungicide



IP 233

IP 233 fungicide is a broad-spectrum product that provides unsurpassed control of brown patch, dollar spot and a variety of other destructive turf grass diseases. 14 days or longer residual. IP 233 also provides quick disease knockdown, even at the height of summer heat and humidity.

23.3% iprodione 2.5 gal container

Use Rate: 3 to 8 oz / 1000

Group **2** Fungicide



PPZ 143

PPZ 143 is a systemic fungicide for use on turf for control of dollar spot, brown patch, anthracnose, fusarium, red thread, summer patch, take all patch, grey leaf spot, leaf spot, and others.

14.3% propiconazole 1 gal & 2.5 gal container

Use Rate: 0.5 to 4.0 fl oz / 1000

Group **3** Fungicide



CLT 825

CLT 825 provides dependable, economical performance each and every time. CLT 825 DF brings many advantages to your turfgrass disease management program. Non clogging-Dry flowable formulation.

82.5% chlorothalonil 5# container

Use Rate: 3.0 to 11.0 oz / 1000

Group **M5** Fungicide



CLT 720

CLT 720 provides dependable, economical performance each and every time. CLT 720 flow brings many advantages to your turfgrass disease management program. Convenient flowable formulation.

54% chlorothalonil 2.5 gal container

Use Rate: 3.0 to 11.0 fl oz / 1000

Group **M5** Fungicide



ALT 70

ALT 70 Controls and prevents pythium, phytophthora, yellow turf and anthracnose, while enhancing turf quality. A fungicide program with ALT 70 controls many stress related disease complexes.

70% Aluminum Tris 12.5# container

Use Rate: 12.5-2.5 lb/ acre (12.5 lbs ALT 70 = 11 lbs Signature)

Group **33** Fungicide



Myclo 20

Myclo 20 EW is a liquid formulation of Myclobutanil similar to Eagle 20 EW. ArmorTech® Myclo 20 EW is a systemic DMI class fungicide with broad spectrum of control on a wide variety of turf fungi. With lower PGR effects during summer stress periods, it is a useful product when other DMI chemistries are not in favor.

Note: DMI fungicides have the potential for resistance and should be rotated with alternate chemistries.

20% myclobutanil 1 gal container



Disarm 480

Disarm is a new product from Arysta Chemical. A class of strobilurin that combines trans laminar and systemic uptake for improved protection and control. Controls patch diseases, anthracnose, pythium, and 60% control of dollar spot.

40.3% fluoxastrobin 4 lb /gl 16 and 64 oz bottles

Use Rate: 8.0 to 16.0 fl oz / acre

Group **11** Fungicide



DisArm C

Disarm C is the only strobilurin/ chlorothalonil premix for control of 30 diseases.

2.44% fluoxastrobin .25lb/gl 4lb chlorothalonil / gl 2.5 gl containers

Use Rate: 3.0 to 6.0 fl oz / 10000

Group **11,5** Fungicide



Echo 6F ETQ

Echo® ETQ Turf and Ornamental Fungicide elevates summer disease management to the next level by combining proven Echo brand chlorothalonil with an exceptional additive. The result? Outstanding disease control . . . Plus enhanced turf quality.

2.5 gl containers

Group **M5** Fungicide

Echo Ultimate ETQ

This latest addition to the Echo family gives professionals looking for an 82.5% spray-dried chlorothalonil product a new value-oriented choice. This innovative formulation readily disperses in the spray tank and exhibits excellent re-suspensibility in water. Packaged in a resealable 5 lb. acre-increment container, it offers all the Echo advantages—no resistance issues, long-residual protection from more than 75 diseases and natural weatherability.

Use Rate: 5-8.8 lbs / acre

Group **M5** Fungicide

Veranda T

Veranda T provides excellent control of brown patch, large patch, foliar and basal rot anthracnose, grey leaf spot, and fairy ring.

11.3% Polyoxin D Zinc Salt **4# container**

Use Rate: 2—4 lbs /acre

Group **19** Fungicide

General Fungicides

Bayleton® 50 WSP

A systemic fungicide for controlling fusarium patch, summer patch, anthracnose and dollar spot.

50% triadimefon 4x1.375 lb case Mini Drum 50X11 oz

Use rate: 0.5 to 1.0 oz / 1000

Group **3** Fungicide

Curalan® EG

Curalan is a contact fungicide that controls many diseases of turf and ornamentals.

Controls Dollar Spot, Leaf Spot, Melting Out, Red Thread, Pink Patch, Brown Patch, Gray Snow Mold, Fusarium Patch, and Pink Snow Mold.

50% vinclozalin 2.75lb container

Use Rate: 1.0 to 2.0 oz / 1000

Group **2** Fungicide

Mefenoxam 2 AQ

An aqueous flowable fungicide for the control of certain diseases in turf, nursery, and ornamental crops caused by the Oomycete class of fungi, such as pythium blight.

22.5% mefenoxam 1 gl container

Use Rate: 0.5 to 1.0 oz / 1000 sq ft

Group **4** Fungicide

Pentathlon DF

Pentathlon DF is a broad spectrum fungicide controlling algae, leaf spot, grey leaf spot, red thread, slime mold, and others.

75% manganese, zincethylene thiocarbamate 6# container

Use Rate: 4.0 to 8.0 oz / 1000 sq ft

Group **42** Fungicide

TM/C WDG

All Purpose Fungicide. Both systemic and contact fungicidal activity. Provides long lasting broad spectrum disease control for turf, nursery and ornamental use. Controls dollar spot, dreschlaria, brown patch, summer patch, fusarium blight, anthracnose, and most other fungi.

50% clorothalonil 17% thiophanate methyl 5# container

Use Rate: 2.0 to 8.0 oz. / 1000

Group **1,M** Fungicide

Thiram Flo

Controls dollar spot, brown patch, leaf spot, rust, red thread, snow mold, and others.

42.11% thiram 2.5 gl container

Use Rate: 3.75 to 12.0 oz / 1000 sq ft

Group **M3** Fungicide

Emerald

Emerald® fungicide works differently than anything else you've seen used to control dollar spot. That means **Emerald** can effectively control dollar spot that has developed resistance to other fungicides. When used as directed, **Emerald** provides unprecedented dollar spot control in virtually every major turf species, and in every region of the United States.

70% Boscalid .49 lb container

Use Rate: 0.49 lb/ acre

DISARM-M

DISARM M is a uniquely advanced premix formulation of fluoxastrobin and myclobutanil that optimizes both ingredient rates to maximize efficient spray application, turfgrass plant coverage and disease control efficacy. DISARM M provides early and later cool-season turf disease control of anthracnose, dollar spot, brown patch and summer patch on Kentucky bluegrass on fairways and greens. It is also approved for use in overseeding warm-season golf turfgrass with ryegrass.

15.81 % Fluoxastrobin 25.60% Myclobutanil 64 fl oz bottle

Use Rate: 0.25—1.0 fl oz / 1000 sq ft

Armor Tech Fungicide Performance Chart

The following chart allows you to compare the performance of our top fungicides on key cool season turf grass diseases.

E– Excellent Control G– Good Control F- Fair Control NC– No Control

Armor Tech Fungicide	Dollar Spot	Leaf Spot	Anthracnose	Brown Patch	Summer Patch	Take All Patch	Pythium	Grey Leaf Spot	Snow Mold
CLT 825	E	F	F	E	NC	NC	NC	F	E
CLT 720	E	F	F	E	NC	NC	NC	F	E
DisArm 480 SL	F	F	E	E	E	E	F	E	F
DisArm C	E	E	E	E	E	F	F	E	E
IP 233	G	E	NC	F	F	NC	NC	F	E
PPZ 143	E	F	G	F	E	G	NC	E	G
TMI 20/20	E	E	G	E	G	F	NC	G	G
TM/C	E	G	G	E	F	F	NC	G	E
TM 462	G	G	E	E	F	NC	NC	F	G
Veranda T	NC	G	E	E	NC	NC	NC	E	G
Vital Sign	NC	NC	F	NC	NC	NC	E	NC	NC
ALT 70	NC	NC	E	F	NC	NC	E	NC	NC

Ratings are based on actual field performance

Control and results vary based on management program and environmental conditions