



COLIN CAMPBELL (CHEMICALS) PTY LTD
 100% Australian owned & operated. Established 1940
The Key to Professional Turf
 www.campbellchemicals.com.au (02) 9725 2544



AUSTRALIAN TURF PRODUCTS REFERENCE GUIDE

Active Ingredient	Common Tradename	Mode of action AS (Acropetal systemic- moves upwards) TS (Translaminar systemic- moves side to side) S (True Systemic- moves up and down) C (Contact)	Resistance Group (FRAC)
Chlorothalonil	Dacogreen[®] WeatherShield Daconil [®] WeatherStik	C	M5
Mancozeb	Liquid Dek[®] Fore RainShield [®]	C	M3
Thiram	Flowable TMTD[®]	C	M3
Chlorothalonil/Propiconazole/Fludioxonil	Instrata [®]	C + AS + TS	M5 + 3 +12
Thiabendazole	Vorlon[®]	AS	1
Iprodione	Ippon[®], 250GT,	TS	2
Propiconazole	Bumper [®] Banner [®]	AS	3
Prochloraz	Protak[®]	TS	3
Triadimenol	Tridim[®], Bayfidan[®]	AS	3
Metalaxyl-M	Subdue [®] Triumph [®]	AS	4
Flutolanil	Monstar[®]	LS	7
Penthiopyrad	Velista [®]	AS	7
Azoxystrobin	Hertiage [®] , Azoxy [®] 95	AS	11
Trifloxystrobin/Fluopyram	Exteris [®]	TS	11+7
Azoxystrobin/Triticonazole	Impala [®]	AS	11 + 3
Azoxystrobin/Propiconazole	Headway [®]	AS	11 + 3
Trifloxystrobin/Tebuconazole	Dedicate [®] Patriot [®]	C + AS	11 + 3
Trifloxystrobin/Iprodione	Interface [®]	C + TS	11 + 2
Azoxystrobin /Tebuconazole	Evolution	AS	11 + 3
Fludioxonil	Medallion [®]	TS	12
Fluazinam	Emerald[®]	C	29
Toclofos-Methyl	Shiba [®]	C	14
Etridazole	Terrazole [®]	C	14
Propamocarb	Proplant[®]	AS	28
Fosetyl Aluminium	Signature [®] Fosetyl [®] 800, Magellan	S	33

*All Products are registered trademarks of their respective owners. Not all products are mentioned in this list as its only a guide. **Colin Campbell (Chemicals) Products are highlighted** www.campbellchemicals.com.au



COLIN CAMPBELL (CHEMICALS) PTY LTD
 100% Australian owned & operated. Established 1940
The Key to Professional Turf
 www.campbellchemicals.com.au (02) 9725 2544



Colin Campbell (Chemicals) Turf Product History Innovation for 79 years

1940

Colin Campbell (Chemicals) Pty Ltd established. Selling horticulture products. In 1960 turf specific products were developed)

1960 - 1990

Various class leading active ingredients (for their-time) were developed for turf including:

- PMA (PMA S)
- Thimer (mix of Thiram & PMA)
- DDT & Lindane Mixture (Multi Turf)
- Chlordane (Chlo 80)
- Cadmium Nitrate (Caddy)

1960's

Methar 100 (Passtox® DSMA) first introduced into turf

1971

Daconil® 2787 (Chlorothalonil) first registered

1976

Introduced Terrazole® and Terraclor® for pythium and brown patch control respectively)

1977

Methar Tri Kombi® - First 3 way herbicide for turf

1982

Sportsground®- a derivative of Methar Tri Kombi without the 2,4-D

1983 (permit) 1985 (registration granted)
 Pennside® - first ever micoencapsulated insecticide. Brings a lower toxicity products to the market with increased residual.
 Still going strong

1990

Flowable TMTD- First Liquid Thiram for turf

1994

Protak® introduced giving another choice for dollar spot

2000

Liquid Dek® registered. First sold in 2015

2001

Proplant® registered for pythium in turf. Curative and prevention control

2001

Introduced Daconil® 720SC superseding Daconil® 500SC and Daconil® 750WP

2001

Poachek (endothal) introduced with new formulation

® All products are registered trademarks of their respective owners

Proudly 100% Australian Owned and Operated.
 Will be celebrating 80 years in 2020

2006

Introduced Blazon® Blue nationally- non staining spray indicator- no more blue hands

2008

Vorlon® registered to replace carbendazim keeping a unique resistance grouping for turf

2011

Monstar gains permit for fairy ring control

2008

Dacogreen® WeatherShield introduced- improved formulation over Dacogreen/ Daconil original

2017

Monstar fully registered for turf on fairy ring

2017

Emerald - New molecule for dollar spot, anthracnose, helmo gray leaf spot control

2019

Apollo first ovicide (eggs) control for couch mite