



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		Resistance Group (FRAC)
		AS (Acropetal systemic- moves upwards) TS (Translaminar systemic- moves side to side) S (True Systemic- moves up and down) C (Contact)		
Chlorothalonil	<b>Dacogreen<sup>®</sup> WeatherShield</b> Daconil <sup>®</sup> WeatherStik		C	M5
Mancozeb	<b>Liquid Dek<sup>®</sup></b> Fore RainShield <sup>®</sup>		C	M3
Thiram	<b>Flowable TMTD<sup>®</sup></b>		C	M3
Chlorothalonil/Propiconazole/Fludioxonil	Instrata <sup>®</sup>		C + AS + TS	M5 + 3 + 12
Thiabendazole	<b>Vorlon<sup>®</sup></b>		AS	1
Iprodione	<b>Ippon<sup>®</sup>, 250GT,</b>		TS	2
Propiconazole	Bumper <sup>®</sup> Banner <sup>®</sup>		AS	3
Prochloraz	<b>Protak<sup>®</sup></b>		TS	3
Triadimenol	<b>Tridim<sup>®</sup>, Bayfidan<sup>®</sup></b>		AS	3
Metalaxyl-M	Subdue <sup>®</sup>		AS	4
Flutolanil	<b>Monstar<sup>®</sup></b>		LS	7
Azoxystrobin	Hertiage <sup>®</sup> , Azoxy <sup>®</sup> 95		AS	11
Azoxystrobin/Triticonazole	Impala <sup>®</sup>		AS	11 + 3
Azoxystrobin/Propiconazole	Headway <sup>®</sup>		AS	11 + 3
Trifloxystrobin/Tebuconazole	Dedicate <sup>®</sup>		C + AS	11 + 3
Trifloxystrobin/Iprodione	Interface <sup>®</sup>		C + TS	11 + 2
Azoxystrobin /Tebuconazole	Evolution		AS	11 + 3
Fludioxonil	Medallion <sup>®</sup>		TS	12
Fluazinam	<b>Emerald<sup>®</sup></b>		C	29
Toclofos-Methyl	Shiba <sup>®</sup>		C	14
Etridazole	Terrazole <sup>®</sup>		C	14
Propamocarb	<b>Proplant<sup>®</sup></b>		AS	28
Fosetyl Aluminium	Signature <sup>®</sup> Fosetyl <sup>®</sup> 800		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](http://www.campbellchemicals.com.au)**



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# Colin Campbell (Chemicals) Turf Product History Innovation for 77 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

**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

**2015\***

Monstar submitted for registration for turf on fairy ring and brown patch

**2017\***

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



**Proudly 100% Australian Owned and Operated for 77 years**

\*Subject to APVMA approval

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