



Dimension EW

Herbicide



Product Information



What is Dimension EW Herbicide?

Dimension EW is a premium formulation pre-emergent turf herbicide containing 240g/L of the active ingredient Dithiopyr. The unique formulation of Dimension EW eliminates odour and staining issues and offers superior application flexibility.

It is registered for the pre-emergent control of a wide range of weeds in turf, and offers season long control of many key annual weeds with a single application.



Features of Dimension EW Herbicide

- ✓ Proven performance.
- ✓ EW Formulation – no solvent, no odour, greater tank mix flexibility, less spray tank issues.
- ✓ Pre- and early Post-emergent control of summergrass, providing the widest window of application.
- ✓ Season long pre-emergent control without the re-seeding issues.
- ✓ Non-staining to sprayer equipment.
- ✓ Less damaging to root system than other pre-emergent herbicides.
- ✓ Excellent safety to ornamental plants.

Dimension EW at a glance

Active Ingredient	240g/L Dithiopyr
Formulation	Emulsion in Water (Flowable)
Pack Size	5L
Rate	1.7-3.5L/ha
Poison Schedule	Schedule 5 (Caution)
Mode of Action	Group D Herbicide

> Dimension EW Mode of Action

The majority of turf pre-emergent herbicides are from the Group D mode of action category. This group of herbicides prevent weed germination by inhibiting microtubule assembly, a critical step in the process of mitosis (important for cell division to take place >> growth).

As a result, rotation of pre-emergent chemistry is difficult when constructing annual pre-emergent programs. As a result, getting the most of any slight differences of activity within the Group D class can be important.

Differences in Mode of Action of Group D Herbicides within the Mitotic Inhibition Process.

Group 1

Dinitroaniline Family = Barricade/Rifle/ Embargo > bind to tubulin, a major protein of spindle fibres to prevent cell mitosis from occurring.

Group 2

Pyridine Family = Dimension > Does not bind to tubulin but appears to bind to another protein important in spindle fibre production to prevent cell mitosis from occurring.

Source: Dr James L.Griffin – LSU Agcenter

As a result of these differences in activity in impacting upon the process of mitosis, rotation of the above 2 groups may assist in reducing or delaying resistance issues into the future.



➤ **Turf Safety**

Dimension EW has the broadest safety characteristics of any turf pre-emergent herbicide currently registered in Australia.

Its safety on established cool season turfgrasses is unmatched with proven safety on Kentucky Bluegrass, Perennial Ryegrass, Tall and Chewings fescue.

In addition, Dimension EW's warm season turf safety, allows it be to used on over 8 grass species, a feat also unmatched by any other turf pre-emergent herbicide.

➤ **Post-emergence control of Summergrasses**

The major strength of Dimension EW Herbicide is its ability to provide season long control of summergrass from a single application.

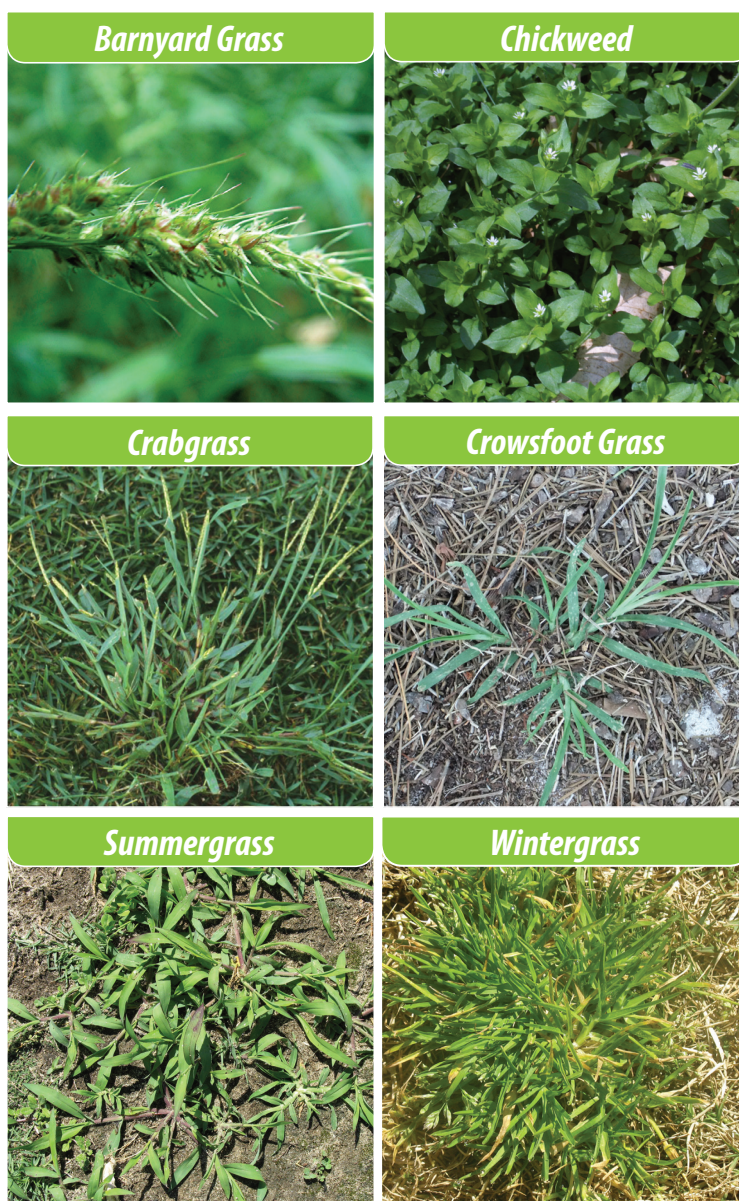
Dimension EW Herbicide is unique in that it also exhibits early post-emergent activity on summergrass.

Unlike all other pre-emergents in the turf market, an application of Dimension EW will provide control of pre-tillered Summergrass that has already germinated and emerged.

For post-emergent activity to be effective with Dimension EW, the full label rate of 3.5L/ha is required. Research has shown that root uptake of Dimension EW is minimal with post-emergent applications. Increased efficacy from post-emergent application is gained when a non-ionic surfactant eg. Pro-Film 904 is added to the spray tank.

➤ **Broad Spectrum of Control**

Spectrum of Pre-emergent Weed Control	Barnyard Grass	Chickweed	Crabgrass	Crowsfoot Grass	Summergrass	Wintergrass
Dimension EW	X	X	X	X	X	X
Pendant / Rifle 400 / Stomp Xtra / Pre M + Fert				X	X	X
Barricade			X	X	X	X
Pronamide / Burst / Kerb						X
Ronstar / Ronstar + Fert			X	X	X	X
Tupersan			X		X	



Other products available from Amgrow

Tracker Pro

Tracker Pro is a highly concentrated, temporary blue spray pattern indicator dye, designed to be used to mark spray chemical (Pesticides and Fertilisers) spray solutions. Tracker Pro may be used with all types of spray equipment.



Tracker Pro is great for use with herbicides, fungicides, insecticides and fertilisers in a variety of situations including Turf, Rights of Way and Agricultural areas.

