

# Ringer\*

Controls worm casts in amenity turf



MAPP 13289. Contains 500g per litre carbendazim

Beneficial non-casting worms are largely unaffected

Can be tank mixed with Crossfire to give added control of Leatherjackets

Rain or irrigation following application will not reduce effectiveness

Safe to a wide range of turfgrass species

## How does Ringer work?

### Worm Cast Control

Its action against earthworms is primarily systemic; there is some growth retardation and an effect on egg production. The major impact is to cause reduced feeding, with plant litter and "thatch" becoming repellent to the earthworms, resulting in the avoidance of feeding on treated areas.



In this way the beneficial worm species which do not surface feed will largely be unaffected.

## How to apply Ringer

### Worm Cast Control

Spray when worms are near the surface e.g. during spring and autumn. Avoid spraying during drought or when the ground is frozen. Aerate compacted soils prior to treatment to aid penetration. Rain or irrigation after treatment will not reduce performance. Do not box clippings from first mowing after treatment.

For large populations repeat treatment at four-month intervals e.g. treat in spring and autumn.

Ringer can be tank mixed with Crossfire 480 for added control of Leatherjackets. When using this tank mix, application is best made in autumn, as Leatherjacket larvae are immature and worm activity is normally at its peak.

### Rate of Application – Worm Cast Control

Equipment	Ringer	Water Volume	Area
Power Sprayer	4.0 litres (+1.5 litres* Crossfire 480)	500–1000 litres	1ha
Knapsack Sprayer	40mls (+15mls* Crossfire 480)	10 litres	100m <sup>2</sup>

\*Amount of Crossfire 480 to be added as a tank mix for both Worm Cast and Leatherjacket control. Read all product labels before use.

### Recommended Nozzles, e.g. Lurmark, Hardi (guide only)

Equipment	Spray quality	Lurmark Nozzle		
		Type	Colour	Code
Power Sprayer	Coarse	Flat fan	White	08 F110WH
Knapsack (Boom)	Coarse	Flat fan	Brown	05 F80LB

Equipment	Spray quality	Hardi Nozzle		
		Type	Colour	Code
Power Sprayer	Coarse	Flat fan	White	SF 08 110
Knapsack (Boom)	Coarse	Flat fan	Green	08 F80



### Walkover Sprayers

Apply product at half strength and cover area twice.

Groundsman Quantity per 25 litre fill to treat 525m <sup>2</sup> (476l/ha)	Professional Quantity per 25 litre fill to treat 668m <sup>2</sup> (374l/ha)
105mls x 2 fills	134mls x 2 fills

## Pack details of Ringer

Pack size : 5 litre (0633125/05)

Pack coverage: 12,500m<sup>2</sup>

(Worm Cast Control)

Crossfire 480 contains 480g per litre chlorpyrifos (MAPP 12516). Crossfire is a trade mark of Dow AgroSciences. Ringer is a trade mark of Barclay Chemicals Manufacturing Ltd. ALWAYS READ THE LABEL. USE PESTICIDES SAFELY