

Crossfire* 480

An insecticide for the control of leatherjackets and frit fly in sports and amenity turf



MAPP 12516. Contains 480g per litre chlorpyrifos

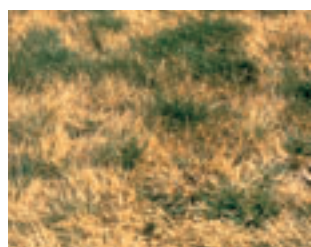


Leatherjackets

The leatherjacket is the larva of the crane fly, and is 30–40mm in length when fully grown.

The crane fly are mainly on the wing between late July and early September.

During this period they lay their eggs just below the surface of the turf. The larvae (leatherjackets) hatch 2–3 weeks later, when they start feeding, severing turfgrass roots and stem bases with their biting mouthparts. The larvae feed right through to the following June.



Damage is not obvious until the spring, when the leatherjackets are growing fast. The first visible signs of damage are seen as straw coloured patches of turf, which later become bare and invaded by weeds. Feeding birds are a good indication that leatherjackets are present.

Frit Fly

This pest is mainly a problem of new turf, with the larvae (maggots) destroying the central stems of ryegrass, fescues and bents.



How does Crossfire 480 work?

When Crossfire 480 is applied to the turf, it moves into the upper profile of the soil surface. Once in place it is not subject to leaching. The leatherjackets feeding close to the soil surface are controlled by digestion, contact and vapour actions. The Crossfire 480 remains effective for up to eight weeks.

How to apply Crossfire 480

Crossfire 480 should not be applied during periods of frost, as leatherjacket activity is reduced during these periods and treatment may not be effective.

Lactating cows should not be grazed on treated grass within 14 days of application.

Leatherjackets

Crossfire 480 may be applied at any time from the beginning of November. Where high larval populations are detected or damage is first seen. Early treatment is recommended prior to spring when most damage is likely to occur.

Highly effective leatherjacket control throughout their period of activity

Remains in the upper soil surface, where the leatherjackets are, and is not subject to leaching

Effective also against frit fly larvae feeding close to the soil surface

Three modes of action – by digestion, contact and vapour action

Tank-mix with Mascot Systemic to give control of casting worms

Frit Fly

Application should be made at emergence, when damage is anticipated or at first signs of attack.

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

Rate of Application

Equipment	Crossfire 480	Water Volume	Area
Power Sprayer	1.5 litres (+4 litres Mascot Systemic)	500–1000 litres	1ha
Knapsack Sprayer	15mls (+40mls Mascot Systemic)	10 litres	100m ²

*Amount of Mascot Systemic to be added as a tank mix for both Leatherjacket and Worm Cast control.

Read product label before use.

Walkover Sprayers

Groundsman Quantity per 25 litre fill to treat 525m ² (476l/ha)	Professional Quantity per 25 litre fill to treat 668m ² (374l/ha)
79mls	100mls

Recommended Nozzles, e.g. Hypro, Hardi (guide only)

Equipment	Spray quality	Hypro (formerly Lurmark) Nozzle		
		Type	Colour	Code
Power Sprayer	Coarse	Flat fan	White	F110-08
Knapsack (Boom)	Coarse	Flat fan	Brown	F80-05
Knapsack (Single jet)	Coarse	Flood jet	White	DT 4.0

Equipment	Spray quality	Hardi Nozzle		
		Type	Colour	Code
Power Sprayer	Coarse	Flat fan	White	FF 08 110
Knapsack (Boom)	Medium	Flat fan	Red	04 E80
Knapsack (Single jet)	Medium/Coarse	Flood jet	Red	AN 2.4

Pack details of Crossfire 480

Pack size: 1 litre (0527108/01)

Pack coverage: 6,667m²

*Crossfire 480 is a trade mark of Dow AgroSciences LLC. Mascot is a registered trade mark of Rigby Taylor Limited. ALWAYS READ THE LABEL. USE PESTICIDES SAFELY.