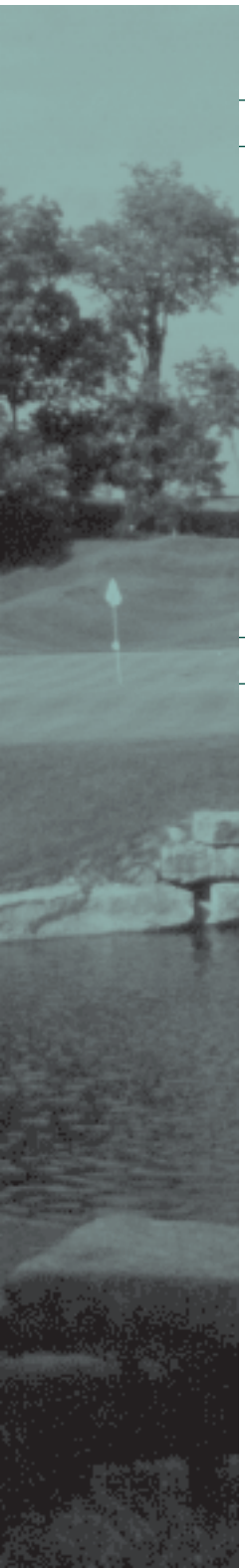
Bayer Environmental Science

Dylox®

Product Reference Guide



PRODUCT OVERVIEW

Dylox® insecticide provides fast-acting, curative control of white grubs and a variety of surface-feeding and soil insects. In fact, Dylox offers the fastest control available, with dead grubs observed as quickly as 24 hours after an application has moved into the infested zone by irrigation or rainfall. Dylox is available to professional or commercial applicators for use on lawns, landscapes, ornamentals and turf.

Dylox comes in two formulations: Granular (6.2G) and Water Soluble Powder (80). Under normal conditions, Dylox controls the pest and degrades quickly. It has no restrictions regarding turf species or sites for landscape and recreational area uses.

MODE OF ACTION/HOW PRODUCT WORKS

Trichlorfon, the active ingredient in Dylox, is in the organophosphate class of chemistry. Organophosphate insecticides inhibit the breakdown of acetylcholine by cholinesterase, an enzyme that is essential in regulating the proper functioning of the insect nervous system.

Dylox works by contact and ingestion. Contact activity provides quick knockdown, while ingestive activity ensures complete pest control.

Key Insects Controlled

- Cutworms
- Sod Webworms
- White Grubs

Benefits

- Fastest control available
- Penetrates thatch up to 1/2-inch thick, when watered properly
- Provides grub control within 24 hours
- Controls the pest and then degrades quickly
- No restrictions regarding turf species or sites for landscape and recreational-area uses

FREQUENTLY ASKED QUESTIONS

Q: What factors are important for an effective white grub application?

A: It is important to irrigate the turfgrass as soon as possible after treatment with Dylox to move the active ingredient through the thatch and into contact with the white grubs. Control will diminish as the thatch layer exceeds 1/2 inch. Periodic dethatching of the turf will ensure effective control by Dylox. For liquid applications, the water used in the spray solution should be buffered to a pH of between 6.0 and 7.0 because the active ingredient in Dylox is susceptible to alkaline hydrolysis. In a solution with a pH of 8.0, the half-life of Dylox is only 63 minutes. In a solution with a pH of 7.0, the half-life of Dylox is 6.4 hours. In a solution with a pH of 6.0, the half-life of Dylox is 3.7 days. This documents the importance of buffering solutions of Dylox to protect the structural integrity of its active ingredient.

Q: When is the best time to use Dylox for grub control?

A: Dylox is typically applied in late summer and early fall targeting second and third instar grubs. It is at these times that white grub damage to turf becomes evident and Dylox quickly controls the grubs, which allows the turf to recover. By controlling white grubs, Dylox applications indirectly help stop damage to turf that is caused by skunks, raccoons and other vertebrate predators feeding on white grubs.

INSECTS CONTROLLED

Dylox 6.2G	Dylox 80
• Cutworms	• Armyworms
• Mole Crickets	• Bagworms
• Sod Webworms	• Climbing Cutworms
• White Grubs	• Cutworms
	• Dipterous Leafminers
	• Lygus Bugs
	• Nantucket Pine Tip Moth
	• Narcissus Bulb Fly
	• Sod Webworms (lawn moths)
	• Stinkbugs
	• Tarnished Plant Bugs
	• Tobacco Budworms
	• Webworms
	• White Grubs
	• Zimmerman Pine Moth

Customer Service: 1-800-331-2867

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