



PENNSIDE

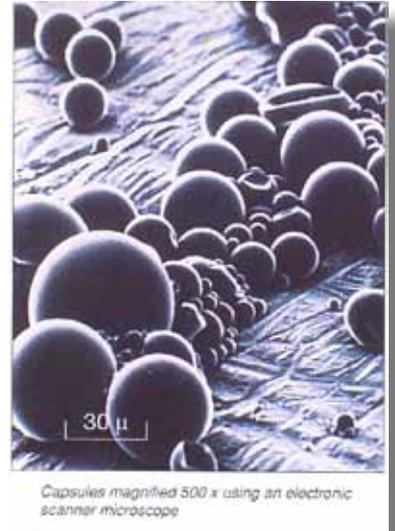
BROAD SPECTRUM MICROENCAPSULATED INSECTICIDE

Pennside the microencapsulation process- knock down, preventative and residual

Pennside works as a knockdown but is best used as a preventative.

Pennside works by coating the active ingredient with a polymer (plastic) resulting in a flowable suspension of microcapsules. Average capsule size is 30-40 microns which allows a slow release of the active ingredient over a period of 3-4 weeks. To control the insects the capsules adhere to their bodies or are ingested during feeding. Then the active ingredient is released giving the insects a fatal dose. The active ingredient slowly diffuses through the capsule wall - this continues until the capsule is empty. This means Pennside works consistently until the capsules are empty.

The microencapsulation in Pennside greatly reduces the acute toxicity of the active ingredient (diazinon), making Pennside user friendly. The capsules do not release whilst in the spray solution but become active after application to turf.



PENNSIDE IS AN S5 INSECTICIDE

Resistance group

Pennside offers a different resistance group to those commonly used. Resistance is not just a fungicide problem, it can occur with insecticides also.

Broad spectrum

With Pennside there is no need to apply multiple insecticides to stop multiple attacks of different insects. Hence saving time and money in application. Pennside works on the following pests:

PEST	RATE PER 100m ²	RATE PER HA (10,000m ²)	RATE PER STANDARD SIZE BOWLING GREEN 1444m ²
Argentine Stem Weevil	125mL-250mL	12.5L-25L	1.8L-3.6L
African Black Beetle	125mL	12.5L	1.8L
Mole Cricket	200mL	20L	2.9L
Grass-eating Caterpillars e.g armyworm and cutworm	30mL	3L <i>(does not need irrigation)</i>	430mL

Minimal Irrigation

Pennside only needs 2mm of irrigation after application while other needs irrigation up to 12mm. However sufficient irrigation must be given to ensure Pennside is washed from turf leaves before mowing. Ideally for best results apply Pennside after mowing has taken place.

PENNSIDE IS AVAILABLE IN 5L AND 25L PACK SIZES



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