

Technical Focus

DuPont™ Acelepryn® Insecticide – the weapon you need to take out an army of caterpillars.

Lawn armyworm (or lawn grub as it is often referred to) can be one of the most devastating insect pests in managed turf. The level of pressure from destructive foliage-feeding caterpillars such as **lawn armyworm, sod webworm and cutworm** can vary according to the region, the season, and local turf specific factors such as height of cut. Outbreaks of caterpillars can happen very quickly and be very difficult to predict. **Cutworm** tends to be an issue in low cut surfaces such as golf greens, and often causes damage after coring as cutworms take up residence in unfilled core holes.

Sod webworm and lawn armyworm tend to be more problematic in higher cut turf surfaces such as sporting fields, racetracks, lawns, as well as higher cut golf course surfaces such as tees, fairways and roughs. Significant turf damage is most common in late summer and autumn months, however infestations can occur all through the growing season, particularly in sub-tropical regions of the country.

When populations of **lawn armyworm** are high, turf can literally be eaten down to the ground overnight. In high pressure situations, populations of lawn armyworm can be visually spectacular, with armies of caterpillars often seen marching across turf surfaces, completely defoliating the turf in their path. What can make lawn armyworm an even more threatening insect pest is that there can be multiple waves of populations throughout a season. This makes it extremely difficult to achieve effective control with single applications of traditional insecticide chemistries such as synthetic pyrethroids and organophosphates.

One of the limitations with the above chemical classes is their inability to provide significant residual protection, meaning that multiple applications may be required, particularly in a bad season where pressure from lawn armyworm or sod webworm is ongoing across a number of months through late summer/autumn. In addition these traditional chemistries are only effective as reactive applications, when turf damage has already occurred.

The introduction of **DuPont™ Acelepryn® Insecticide** has dramatically improved the level of success turf managers have achieved in controlling all key turf damaging caterpillars. When applied according to label directions, **DuPont Acelepryn®** will provide rapid and highly effective knockdown control of existing caterpillar populations. The rapid cessation of feeding is vital when controlling caterpillars due to their ability to so quickly cause significant turf damage.

However, probably the most valuable benefit that turf managers receive from applying **DuPont Acelepryn®** to control caterpillars is the peace of mind in knowing that the treated turf will be protected against any repeat waves of caterpillar attack for months after the initial application. To give just one practical example of this benefit, the use of **DuPont Acelepryn®** on golf greens has anecdotally resulted in a significant reduction in cutworm incidence.

Recent research conducted in the United States demonstrates that **DuPont Acelepryn®** provides excellent residual protection against caterpillars from a **single application**. The research suggests that an application of 750mL of **DuPont Acelepryn®** per hectare can provide 4-6 months of residual protection against caterpillars.

While the exact length of protection may vary based on local factors such as climate and height of cut, many turf managers here in Australia are already benefiting from the peace of mind that a single application of **DuPont Acelepryn®** delivers in providing rapid caterpillar knockdown and a long term defense against re-infestation.

Be prepared to win the battle against caterpillars this season with **DuPont Acelepryn® Insecticide**.

Important application note: **DuPont Acelepryn®** is labeled to provide curative control of caterpillars and must be left on the treated foliage for 24 hours to ensure ingestion by the target caterpillars. Watering in of the product via irrigation or rainfall after this 24 hour period is necessary to provide extended protection as discussed in this article.



Farewell to Industry Greats

STEVE FRYER

Steve Fryer was a long term employee of the Nuturf & Chemturf teams for over 20 years, before semi retiring in 2003 due to health reasons. Steve sadly passed away on New Years Day at the age of 61.

Steve's dedication, knowledge, and enthusiasm made him a very popular identity within the Nuturf team and in the wider turf community. Steve was a life member of the NSWGCSA. Steve is survived by wife Jill and daughters Alison, Jo and Katie. Our best wishes go out to Steve's family at this time.

BOB WARE "The Bear"



Bob Ware, a well known, respected and loved Bowling Greenkeeper industry stalwart, sadly passed away on the 5th of December after a long battle with Leukemia.

Bob worked in numerous clubs both in Sydney and Northern NSW for over 4 decades, and was a true character of the industry and a pleasure to be associated with. Bob, aged 60, is survived by his wife Liz and children Melissa and Ben. Our best wishes go out to Bob's family at this time.

New Product

Monopoly Herbicide

What is Monopoly Herbicide?

Monopoly Herbicide is a post emergent herbicide containing 720g/L of the active ingredient MSMA. It is registered for the selective control of Crabgrass, Summergrass and Paspalum in turfgrass situations and control a range of problem grasses and burrs in non-crop situations.

Features of Monopoly Herbicide:

1. Fast acting herbicide – Symptoms of weed control are generally evident within 7 days of application.
2. Formulation contains an In-built surfactant to assist in weed control.
3. Cost Effective form of grass weed control.
4. Good tank mix flexibility.
5. Available in 20L pack sizes.
6. Drummuster Compliant, meaning ease of disposal.



New Promotion

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New Product

Monstar SC

The ideal choice for Fairy Ring Management.

Monstar® SC

Monstar SC is a fungicide containing the active flutalonil, which is well known in other countries for the control of **Fairy Ring** and other problematic Basidiomycete fungi. Flutolanil is in a unique mode of action group – Group 7 (carboxanilide fungicide). Flutolanil inhibits an enzyme complex necessary for respiration in basidiomycete fungi. As a result, it both prevents fungal growth, whilst it also possesses curative activity, by causing the collapse of the fungi’s hyphae. The rate of Monstar SC for the control of Fairy Ring is 10 to 20L of product per hectare. The addition of a penetrant surfactant is recommended to assist the fungicide reaching its target zone. Repeat application maybe required at 30 day intervals in curative control situations.



Stamina Express

The Perfect Tank Mix Partner with Monstar SC.

Stamina Express is a high quality thatch and soil penetrant surfactant blend, specifically designed to quickly and efficiently move water into the soil profile.

Stamina Express has an excellent ability to reduce the cohesive forces of water, lowering it’s surface tension and shearing droplets into smaller ones, allowing it to penetrate into the soil rapidly. By using **Stamina Express** with **Monstar SC**, you will place the fungicide deeper into the rootzone, allowing for better contact with the fairy ring basidiomycete fungi which can be deep in the soil profile (up to 30cm in depth).

Stamina Express as well as containing a high level of penetrant surfactant technology, also possesses a residual surfactant component, allowing for excellent rewetting and continued treatment of hydrophobic conditions experienced from the occurrence of fairy ring. The rate of **Stamina Express** for Fairy Ring management is 5L/ha.



New Website

www.nuturf.com.au

- Streamlined Product Searching Features
- Solutions Centre including Problem Solver, Calibration Tools, Library & more.
- Market Segment Specific Pages.
- A detailed History of Nuturf.



Forget the Rest, get the best Disease Diagnostic Service in Turf!

Turfgrass diseases can provide a rapid decline in turf quality and appearance. To ensure minimal disruption to the playing characteristics, turf managers need to act quickly and precisely to get on top of the problem.

The most important step in managing a disease is to correctly identify the pathogen you are dealing with, and most importantly – understand where the pathogen is present in the plant. Disease problems are often more complex than identification by visual examination only and for a most accurate understanding, laboratory testing is required.

Due to Nuturf's technical strength, our **Agronomy Services Unit** offers a Disease Diagnostic service. We understand the nature of disease management, particularly from a turf manager's perspective, and as a result we can offer the following benefits in our service;

- 1. Fast turnaround.** We aim to get a preliminary result back in 24 hours, and provide a report back to you within 3 days. If you don't get a full written report within 5 working days, we will give you your money back*.
- 2. Accurate diagnosis** – Particularly identifying where the disease is present in the plant.
- 3. Determination of Plant Health** – Observations are provided, indicating general health of both the foliage and roots.
- 4. Comprehensive report** – Includes photographs of plant material supplied and pathogens present plus additional management considerations for the diseases established.
- 5. Reliable Recommendations** – Focuses on solving your problems both now and into the future.

Nuturf has been operating a Disease Diagnostic service for over 7 years. We have 2 laboratories (Sydney and Brisbane) with experienced professionals who are committed to assisting you in achieving the best possible result in managing your disease problems.

A composite image featuring a purple microscope on the right side, partially overlapping a cross-section of a turfgrass plant. The plant shows green blades on top, a layer of roots in the middle, and a dark brown soil layer at the bottom. The background is a light blue gradient.

Disease Diagnosis • Fast • Active • Comprehensive • Reliable