

Thermal Fogging & ULV Misting with Natural Pyrethrin

TYPHOON DUO®

Rapid Knockdown for Broiler Poultry Clean-Out Programs

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In intensive broiler production systems, the period immediately following bird removal presents a critical opportunity for pest control.

As litter is disturbed and sheds are emptied, large populations of adult litter beetles (darkling beetles) emerge from the soil and litter profile and migrate to exposed surfaces such as walls, cracks, crevices and structural elements.

This movement represents a key intervention point where adult biomass can be rapidly reduced before the next flock is placed.

Typhoon DUO PRO Concentrate is specifically suited to this clean-out phase, delivering fast knockdown of exposed adult populations and helping to reduce pest carry-over between production cycles.

Broad Spectrum Knockdown of Poultry Shed Pests

Typhoon DUO provides rapid knockdown of a wide range of crawling and flying insects

commonly encountered in broiler facilities. In addition to litter beetles, the product is highly effective against cockroaches, spiders and other crawling pests, as well as flying insects such as flies, mosquitoes and moths. This broad-spectrum activity makes it an ideal solution for whole-of-shed treatment during clean-out, addressing multiple pest pressures in a single application.

Water-Based Micro emulsion Technology for Reliable Performance

Typhoon DUO is formulated as a water-based concentrate that forms a stable micro emulsion when diluted.

This advanced formulation ensures consistent dispersion of the active ingredient throughout the spray or fog, supporting uniform coverage and effective contact with target pests. The micro emulsion system contributes to product stability during mixing and application, providing reliable performance across a range of treatment conditions within poultry sheds.



PRODUCT SPECIFICATIONS

Active constituent:	Pyrethrin 28 g / L
Formulation type:	Micro emulsion concentrate
Pack size:	1 L (SUN139), and 5 L (SUN146)
Chemical group:	Pyrethroid
Schedule:	CAUTION S5

Pest Claims: A fast acting, with natural pyrethrin, for the control of litter beetle in poultry sheds, insect pests and spiders in warehouses, factories, kitchens, industrial buildings, domestic residences, agricultural buildings, commercial and industrial areas, and in various situations as specified in the Directions for Use.

Key Features:

- Dual-use flexibility - Fog or mist from one product
- High strength concentrate
- Water based micro emulsion - stable, uniform dispersion for consistent coverage and reliable performance
- Natural pyrethrum active - powered by naturally derived actives for rapid knockdown of exposed pests
- Engineered to work with Sundew ProFOG for dense fog and extended airborne contact.



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Low Residue, Low Hazard Formulation

The formulation of Typhoon DUO is designed to support practical use in intensive animal production environments.

Approximately 94% of the formulation consists of non-hazardous ingredients, with only minimal solvent present as a result of the natural extraction process for pyrethrum.

The product does not rely on heavy solvent loading and does not leave significant residual deposits on treated surfaces, making it well suited to clean-out applications where hygiene and preparation for the next flock are critical considerations. In addition, the formulation is non-flammable, supporting safe handling and application on-farm.

Flexible Application for Poultry Sheds – Fogging and ULV Misting

For optimal results in poultry broiler sheds, TyphoonDUO PRO Concentrate can be applied using either thermal fogging with **Sundew ProFOG™ Thermal Fogging Agent** or ULV cold misting with water, providing flexibility to suit different treatment objectives and site conditions. For thermal fogging, TyphoonDUO is mixed at a ratio of one part TyphoonDUO to two parts **Sundew ProFOG**, producing a dense, fine fog capable of filling the entire shed and remaining airborne for an extended period. This increased hang time improves contact with flying insects and exposed crawling pests, while enhancing penetration into cracks, crevices and difficult-to-reach harbourage areas.

Sundew ProFOG is specifically designed to work with water-based formulations such as TyphoonDUO,

enabling consistent, high-quality fogging performance that cannot be achieved with standard fogging agents. The result is a stable, long-lasting fog without the rapid settling associated with water-only dilution or the surface residue and slipperiness often seen with glycol-based systems.

For ULV cold misting applications, TyphoonDUO is diluted with water to form a stable microemulsion, allowing for effective distribution throughout the shed environment. When applied at label rates, this method provides rapid knockdown of flying insects and effective treatment of crawling pests within cracks, crevices and surface areas. This dual application capability allows operators to select the most appropriate method for each clean-out cycle, ensuring consistent performance while maintaining operational efficiency.

Sundew TYPHOON DUO PRO Concentrate – Committed to the Australian Intensive Farm Segment

Sundew continues to lead innovation in pest management for the Australian intensive farming industry with the introduction of **TYPHOON DUO** – the world's first Thermal fogging & misting formulation for poultry intensive farm situations. This breakthrough, approved in April 2026, reinforces Sundew's long-standing commitment to supporting poultry growers with effective, targeted solutions. Since 2013, Sundew has delivered a series of firsts: the industry's first 125 g/L betacyfluthrin SC (**BeetleBETA®**), the higher rate **BeetleBETA** for severe infestations (2014), the world's first dual-active, dual-mode of action **LarvaBETA®** (2018), and the first industrial-strength litter beetle dusting powder (**Starrdust®PRO**) for structural treatment (2019). **Spinaflex** launched in 2026 is the industries first 133 g/L spinosad insecticide developed specifically for poultry intensive farming situations. **TyphoonDUO** represents the latest evolution in this legacy, offering a powerful new tool for integrated pest management in high-pressure intensive farm environments.

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