

POSITIVE RESULTS FROM PRELIMINARY AQUATIC ECO-TOXICITY STUDIES ON FLAVOCIDE™

- **Positive results received from preliminary aquatic eco-toxicity studies on Flavocide™**
- **The studies which investigated the effects of Flavocide on three aquatic species, showed no adverse effects from exposure to Flavocide at the doses tested**
- **The results provide further data for a global registration-enabling package to support the commercialisation of Flavocide**
- **Results support the potential use of Flavocide in mosquito control and crop protection applications**

Bio-Gene Technology Limited (ASX: BGT, 'Bio-Gene' or 'the Company'), an agtech development company enabling the next generation of novel insecticides to address insecticide resistance, is pleased to report positive results from preliminary aquatic eco-toxicity studies, undertaken with technical grade flavesone, the active constituent contained in Flavocide.

The studies were performed on three aquatic species, *Poecilia reticulata* (Guppy), *Daphnia magna* (water flea) and *Pseudokirchneriella subcapitata* (freshwater algae). These represent key target species to indicate the environmental impact from the introduction of a pesticide to an aquatic environment. These studies are key to further profiling and understanding the potential hazards posed by products containing flavesone when released into the environment, with particular relevance to outdoor uses such as for mosquito control and crop protection.

The results of these studies indicate that no adverse effects were observed in any species from exposure to Flavocide at the highest doses tested, including the maximum test dose prescribed by the regulatory authorities. Subject to the outcome of further definitive testing, these preliminary data indicate that flavesone would not have a negative impact on non-target aquatic organisms and would fall within a favourable category of environmental hazard as defined by the regulatory authorities. These data will also assist the setting of doses for the next stage of more definitive acute eco-tox studies that will include testing of additional non-target terrestrial and aquatic species representative of additional organisms that are likely to be exposed to Flavocide products when used in targeted use patterns.

Peter May, Executive Director, R&D for Bio-Gene commented: "These preliminary results are very positive as they indicate a further level of de-risking of our proprietary technology on the path towards commercialisation. Our understanding of dose response and sensitivity towards these aquatic species helps us to establish the safety profile of Flavocide when used in outdoor situations such as mosquito control programs undertaken in aquatic environments. The results indicate that Flavocide has low toxicity to these key representative aquatic species and may therefore be safely used in outdoor mosquito control programs."

This data provides a solid platform for the collaborative public health mosquito control partnership with Clarke Mosquito Control Inc, that was announced on 23 April 2020.

In the future, the Company intends to extend the range of eco-toxicity studies which will become a significant component of the registration enabling data package currently under development.

Approved for release by the Chairman of the Board.

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About Bio-Gene Technology Limited

Bio-Gene is an Australian agtech development company enabling the next generation of novel insecticides to address the global problems of insecticide resistance and toxicity. Its novel platform technology is based on a naturally occurring class of chemicals known as beta-triketones.

Beta-triketone compounds have demonstrated insecticidal activity (e.g. kill or knock down insects) via a novel mode of action in testing performed to date. This platform may provide multiple potential new solutions for insecticide manufacturers in applications across Crop Protection, Grain Storage, Public Health and Consumer Products. The Company's aim is to develop and commercialise a broad portfolio of targeted insect control and pest management solutions.

Flavocide™ is a trademark of Bio-Gene Technology Limited.