

## EXPANSION OF FLAVOCIDE™ MODE OF ACTION STUDIES

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- **Significant expansion on previous studies conducted by UK company Neurosolutions Ltd**
- **Builds on previous studies positively identifying Flavocide's novel mode of action**
- **Studies will identify best options for multiple compound combinations using Flavocide**
- **Data generated will also support submission for a new classification of insecticide and increased industry engagement**
- **Expected to create additional Intellectual Property around further potential applications for Flavocide, including the development of second generation compounds.**

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 announce the signing of an expanded collaborative research agreement with Australian based Pacific Discovery Services (PDS), a division of Neurosolutions, to undertake additional mode of action (MoA) studies for Flavocide.

Previous studies undertaken by Neurosolutions, demonstrated that Flavocide has a MoA quite different from other known insecticide classes. The expanded collaborative research program is designed to more closely define the distinct MoA of Flavocide. This additional information will be used to better prioritise target molecules to test in combination with Flavocide. We believe that combining the unique MOA of Flavocide with existing products can lead to the development of combination products which will provide greater effectiveness in managing resistant populations, and also serve to slow development of resistance.

The results will create validation data which enables Bio-Gene to apply for a "new class of chemistry" with the IRAC (Insect Resistance Action Committee), a specialist technical group of the industry association CropLife. A unique classification means Bio-Gene would be incorporated into new Resistance Management Programs developed by the industry for specific pest/crop situations which are designed to protect existing chemistry from further development of resistance, while also protecting new chemistry entering the market. Achieving a unique classification for Flavocide will further increase engagement with both industry experts and companies who are looking to find new applications of our technology so they can offer new and valuable commercial products.

Richard Jagger, Bio-Gene CEO, commented: "Ultimately the advantage of a novel MoA and a deeper understanding of how this intersects with insect physiology will assist us in addressing the issue of resistance arising in currently used insecticides. By introducing a novel way to control the pest, we vastly improve the ability to address problem pests that are resistant to current chemistry and also open up the potential for Flavocide to be used in combination with other products currently on market."

Mr. Jagger added: "In addition to providing significant support for our ongoing development of Flavocide, this data will also support our ongoing development of second generation compounds based on beta-triketone chemistry."

Professor David Spanswick, Director of PDS, commented: "We are excited by the novel MoA we previously identified with Flavocide and believe further clarification of how it works and interacts with insecticides with different MoA's will identify more targeted and effective insect management control approaches. This would target the use of Flavocide in combination with a range of compounds across different insect species."

ENDS

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**About Bio-Gene Technology Ltd**

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 animal health and crop protection, as well as in public health, and in consumer applications.

The Company's aim is to develop and commercialise a broad portfolio of targeted insect control and management solutions.

**About Pacific Discovery Services**

Pacific Discovery Services and its partner company Neurosolutions Ltd, is a leading contract research organisation providing high quality electrophysiological testing services to the pharmaceutical and biotechnology industry for over 17 years. It provides cutting edge research in the field of neuroscience.