PRELIMINARY RESULTS FROM AVIAN ECO-TOXICITY STUDY ON FLAVOCIDE™

- **Preliminary eco-tox study completed on avian species (Japanese Quail)**
- **Study suggests Flavocide would be classified within the toxicity range of currently registered insecticides for this species**
- **Results will form part of the regulatory-enabling suite of studies for Flavocide**

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 preliminary results from avian eco-toxicity studies, undertaken with technical grade flavesone, the active constituent contained in Flavocide.

The studies were performed on Japanese Quail (*Coturnix japonica*); representing a key test species to assess the environmental impact from the introduction of an insecticide to the environment. These studies are pivotal to further profiling and understanding the safety profile of products containing flavesone when released into the environment, with particular relevance to outdoor uses such as for public health and crop protection.

The studies involved administering Flavocide technical to birds at a range of dose levels to accurately determine the acute oral toxicity effects. Based on a five-step scale used to classify pesticides into toxicity categories for terrestrial and aquatic organisms, the trial determined Flavocide technical was 'moderately toxic' and therefore falls into the middle toxicity category for this species. A moderately toxic classification is well within the range of currently registered insecticides and thus a positive outcome in terms of expected non-target impact assessment for registration.

Peter May, Executive Director, R&D for Bio-Gene commented: "This study is part of a series of ecotoxicity studies being undertaken by Bio-Gene to develop a profile of the effect of Flavocide on non-target organisms. As announced on 4 June 2020, these results follow successful testing of Flavocide against three aquatic species. These preliminary results give us confidence to progress with further studies planned to test Flavocide effects on other bird and fish species, as well as soil organisms such as earthworms and soil microbes."

When completed, the suite of eco-tox data will contribute to the registration enabling studies the Company will perform to support the registration of Flavocide products for a range of outdoor uses.

Bio-Gene Chief Executive Officer and Managing Director, Richard Jagger said: "Many of the insecticide classes currently in use have toxicity profiles that pose mounting human and environmental problems, especially in agriculture where both crops and livestock can be continually exposed to these compounds. In testing to date, Flavocide has presented with a positive relative safety profile including being found to be up to 5,000 times safer to bees by oral ingestion compared to other chemical products, notably the neonicotinoids, that are generally associated with bee toxicity. These results enable us to continue to move forward with our testing, and ultimately create a registration package. With the global insecticide market valued at in excess of US$32 billion per annum, there is real potential to disrupt the current paradigm with an insect control solution that is targeted, safer, has low environmental impact and is cost effective to use."

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.