ASX ANNOUNCEMENT
2 AUGUST 2023

BIO-GENE TECHNOLOGY LTD

NEW PATENT SIGNIFICANTLY EXTENDS FLAVOCIDE'S COVERAGE IN THE US FOR CONTROL OF RESISTANT PESTS IN THE US$5B INSECTICIDE MARKET

- **US Patent Office issues US Patent No. 11712039**
- **New patent extends the use of Bio-Gene molecules including Flavocide® to control all classes of resistant insects (flying and crawling insects) and arachnids (mites, ticks, spiders etc.) in all significant environments where pest infestations occur**
- **The patent sits alongside issued patent (No. 11259522) which covers control of resistant insects in an agricultural environment, including control of resistant grain storage insect pests**
- **Further strengthen Bio-Gene's IP platform in the US US$5 billion insecticide market[1]**
- **Period of grant of patent to extend to December 2039**

Bio-Gene Technology Limited (ASX: BGT, 'Bio-Gene' or 'the 'Company'), an agtech development company enabling the next generation of novel insecticides, today announced the issuance US Patent No. 11712039 by the United States Patent Office (USPTO) which extends the use of Bio-Gene molecules including Flavocide® to control all resistant pests in all significant environments.

The patent sits alongside issued patent (No. 11259522) which covers the use of flavesone and related molecules to control resistant insects in an agricultural environment, including control of resistant grain storage insect pests.
The newly issued patent significantly extends the scope of coverage. It covers the control of all classes of resistant insects (flying and crawling insects) and arachnids (mites, ticks, spiders etc.) in significant environments where pest infestations occur. The Unites States market for insecticides across these markets was estimated to be US$5 billion in 2022 and forecast to increase to approximately US$6 billion by 2026[1]. This patent is expected to expire in December 2039.

The process for this patent began in July 2018 when Bio-Gene submitted an international patent application to extend the protection of its technology (Bio-Gene molecules including Flavocide) for use as pesticides, including as insecticides. Bio-Gene received the Notice of Allowance in March 2023 (announced on 17 March 2023).

Examination of additional patent applications relating to control of resistant pests is continuing by other patent offices in countries around the world.

Commenting on US patent issuance, Bio-Gene Managing Director & CEO, Richard Jagger said: "This patent is a significant achievement for Bio-Gene. It broadens our patent coverage to include insect and arachnid pests in all target environments, creating significant value for Bio-Gene and our commercial partners. The insecticide market in the US is currently estimated at US$5 billion, presenting significant commercial opportunity. As shared previously, patent protection is an essential requirement on our commercialisation pathway, and we are very pleased with this approval."

Approved for release by the Board of Directors

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About Bio-Gene Technology Ltd

Bio-Gene is an Australian agtech company enabling the next generation of novel insecticides. Bio-Gene's novel platform technology is based on a naturally occurring class of chemicals known as beta-triketones. Beta-triketone compounds have demonstrated insecticidal activity 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 and storage, public health, animal health and consumer applications. The Company's aim is to develop and commercialise a broad portfolio of targeted insect control and management solutions.

[1] *Statista: Estimated market value of insecticides in North America from 2012 to 2022, and Our World in Data, insecticide use, 2020, ourworldindata.org.*