STORED GRAIN TRIAL INTERIM RESULTS CONFIRM CONTROL OF KEY PESTS

- **Combination trial products containing Flavocide™ controls key stored grain pests at an interim period of 3 months**
- **Results provide further confidence in commercial viability of Flavocide in stored grain applications**
- **BASF, Department of Agriculture & Fisheries Queensland Government (DAF) & the Grains Research & Development Corporation (GRDC) agree to extend trial out to 9 months, based on these positive results**

Bio-Gene Technology Limited (ASX: BGT, 'Bio-Gene' or 'the 'Company'), an agtech development company enabling the next generation of novel insecticides, today announced interim results from its stored grain trial, showing positive efficacy after an interim 3 month review.

In September 2020, Bio-Gene announced the successful identification of a lead Flavocide combination treatment to be taken to field testing as part of a 9 month efficacy study in collaboration with BASF, DAF and GRDC. The 9 month combination treatment study is stage 3 of the collaboration program. This stage of the program was designed to demonstrate the effectiveness of the combination product to control all of the key stored grain pests, being the Lesser Grain Borer, Flour Beetle, Saw-toothed Grain Beetle, Flat Grain Beetle and Rice Weevil.

Commenting on the 3-month interim results, Bio-Gene CEO, Richard Jagger said: "We are very pleased that the trial results confirmed control of all five key pests at this interim check point. This gives all of the collaboration partners the confidence to continue the trial to its completion, scheduled for a total of 9 months. The trial program is designed to show that the combination product can control the key pests for a commercially acceptable time period.

"The target of 9 months provides industry participants with more flexibility over viable storage periods for grain, to allow for the optimum time for use or shipment, which can ultimately deliver more value. These interim results provide additional confidence in the potential for this technology to deliver a commercial product to provide control against a full range of pests."

Dr. Manoj Nayak, Leader of the Postharvest Grain Protection Unit within DAF, who undertook the Flavocide testing program with Bio-Gene, said: "These interim results show this combination product provides the anticipated residual control of adults and F1 progeny in bioassay assessments of the field stored wheat over the initial 3 months. These data provide a solid platform for the on-going stage 3 trial, and the collaborative project with BASF and GRDC."

Gavin Heard, Head of Development & Regulatory Affairs, Crop Protection ANZ, at BASF commented: "We are very pleased the trial program is on track. Control of the five key stored grain pests is a real challenge for grain farmers and the industry in general, so there is a genuine need for game changing technology to address this issue."

Leigh Nelson, Manager, Pests (Crop Protection) at GRDC added: "The GRDC is keen to support programs that have the potential to bring innovative technology to the Australian grains industry. We are pleased with the advancement of the program to date and are very keen to see the on-going results as we finalise stage 3 of the program."

Currently there is no single chemistry that controls all major pests that impact stored grain. The incidence of pest resistance is rising in Australia, and around the world. In some cases, losses of up to 70% of grain in storage have been attributed to pests[1]. Flavocide has the potential to create formulations that will enable control of the full range of pests including pests resistant to other classes of chemistry. The introduction of products with a novel Mode of Action, such as Flavocide, is critical for pest management in stored grain to reduce the potential of increased insecticide resistance in the future.

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 (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 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.

About BASF's Agricultural Solutions division

With a rapidly growing population, the world is increasingly dependent on our ability to develop and maintain sustainable agriculture and healthy environments. Working with farmers, agricultural professionals, pest management experts and others, it is our role to help make this possible. That's why we invest in a strong R&D pipeline and broad portfolio, including seeds and traits, chemical and biological crop protection, soil management, plant health, pest control and digital farming. With expert teams in the lab, field, office and in production, we connect innovative thinking and down-to-earth action to create real world ideas that work – for farmers, society and the planet. In 2018, our division generated sales of €6.2 billion. For more information, please visit www.agriculture.basf.com or any of our social media channels.

About GRDC

The GRDC plays a vital role supporting the grains industry by investing in research development and extension (RD&E) to create enduring profitability for Australian grain growers. The GRDC is a statutory authority of the Australian Government and invests around $194 million annually in world leading research, development and extension projects to directly address constraints and capture opportunities in grain production systems and value chains.

About DAF

DAF works to achieve a productive and profitable agriculture, fisheries and forestry sector by promoting sustainability and innovation. We provide leadership for the sector which adds value to the economy and community. At DAF, we manage community resources, applying science to improve production and products, leading the fight on animal and plant pests and diseases, and working constructively with stakeholders for mutual benefit.

[1] *Research and markets report – grain protectants global market outlook, 2017*