

## BIO-GENE TO PRESENT AT AUSTRALIAN MOSQUITO CONTROL SYMPOSIUM

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- **Bio-Gene presenting an overview of its novel insecticide technology at mosquito control symposium**
- **Presentation highlights the relevance of Bio-Gene products as novel mosquito control agents**
- **Novel mode of action offers means to control insecticide-resistant mosquito populations**
- **Follows presentation on Flavocide™ at Australian Grain Storage & Protection Conference last week**

### ***Mosquito Control Symposium***

Bio-Gene Technology Limited (ASX: BGT, 'Bio-Gene' or 'the 'Company'), an agtech development company enabling the next generation of novel insecticides, is pleased to announce that Peter May, Executive Director of Research and Development will present at the 14<sup>th</sup> Mosquito Control Association of Australia Symposium later today.

The Symposium is an important forum that will showcase some of the innovative and strategic responses to mosquito threats locally and internationally and their implications for managing global vector-borne disease. It will explore the latest advances in mosquito biology and ecology, the arboviruses they carry and their management.

The Symposium will bring together over 120 mosquito and mosquito-borne pathogen research scientists, virologists, field biologists, and vector control specialists. It will include both Australian and international speakers.

Mr. May's presentation is titled "Natural Beta-triketone Insecticides with Novel Mode of Action for Mosquito Control" and will address the potential for Bio-Gene's proprietary technology to address the ongoing issue of insecticide resistance in mosquito control programs.

A copy of the presentation will be uploaded to the Bio-Gene website at <http://bio-gene.com.au/corporate-presentations/> this afternoon.

Mr May said: "A novel Mode of Action, as demonstrated in Bio-Gene's products, has the potential to allow us to control populations of mosquitoes which have developed resistance to current products, notably the synthetic pyrethroids. This issue poses a significant and growing threat to public health and to the effectiveness of control programs against vector borne disease."

In 2017, the World Health Organisation reported that, collectively, mosquito-borne diseases such as Malaria, Dengue, and Zika claim over 700,000 deaths every year. In addition, these diseases are known to exacerbate poverty and prevent economic development. Unfortunately, the effectiveness of currently used insecticides is diminishing due to resistance, highlighting the need for products with novel mode of action to control resistant pests, such as those being developed by Bio-Gene.

### ***Grain Protection Conference***

Last week, the National Working Party on Grain Protection (NWPGP) held the 48th Australian Grain Storage & Protection Conference, to review and discuss the latest market requirements relating to chemical regulations and developments in grain storage and protection.

Dr Manoj Nayak, leader of the post-harvest protection team within the Department of Agriculture and Fisheries, Queensland presented his overview of grain protectants in the face of multiple pests and resistances. In his presentation he updated the audience on the on-going findings his group had made in relation to Flavocide™ as an effective technology to address resistance in grain storage pests.

Dr Nayak continues to oversee the research relating to Flavocide as part of a collaborative research program in grain storage involving Bio-Gene, BASF, and the GRDC that aims to demonstrate residual efficacy of Flavocide combination product against major grain storage pests.

Approved for release by the Chairman of 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 Dr Manoj K Nayak & QDAF**

Dr Manoj Nayak is Leader of the Postharvest Grain Protection Unit, Crop and Food Science Agri-Sciences division within the Queensland Department of Agriculture and Fisheries, where he leads an internationally recognised research program focused on the control of insects in grain storage. The testing and development of grain storage products, including new grain protectant insecticides, is a primary goal of Dr Nayak's research group.

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