FGV Strengthens Agri Innovation, Launches Three Solutions at MAHA 2026



Over five decades of FGV's R&D expertise translated into homegrown solutions to support a more productive, efficient and sustainable agriculture sector

SERDANG, 3 September 2026 – FGV Holdings Berhad (FGV) continues to strengthen its contribution to agricultural innovation by leveraging its research and development (R&D) expertise to develop solutions that respond to the evolving needs of the industry, smallholders and agricultural producers.

Three innovations developed through FGV's in-house expertise, BacN-Fix, Adjuvax 248 and FGV Geotagger Pro, were launched by YB Datuk Seri Haji Mohamad Sabu, Minister of Agriculture and Food Security, in conjunction with the Malaysia Agriculture, Horticulture and Agrotourism Exhibition (MAHA) 2026 at the Malaysia Agro Exposition Park Serdang (MAEPS).



BacN-Fix, Adjuvax 248 and FGV Geotagger Pro, were launched by YB Datuk Seri Haji Mohamad Sabu, Minister of Agriculture and Food Security, witnessed by Dato' Dr. Suzana Idayu Wati Osman, Director General of FELDA and Puan Nurul Muhaniza Hanafi, Group Managing Director of FGV.

For more than five decades, FGV's R&D capabilities have continued to evolve in line with industry needs, from the development of planting materials and agronomic solutions to green technologies, digitalisation and automation. In the plantation sector, planting materials developed by FGV currently account for more than 40 per cent of Malaysia's annual demand for germinated oil palm seeds, with a production capacity of up to 30 million germinated seeds annually, supporting the needs of the industry and smallholders.

Building on its expertise developed through the plantation sector, FGV continues to advance innovations that address a broader range of agricultural needs, including crop growth and protection, efficient use of agricultural inputs, as well as the application of technology and data. FGV's R&D capabilities also extend to the development of planting materials for high value crops such as pineapple, banana and coconut.

FGV's participation in MAHA 2026 reflects this progress, in line with the aspiration of "Value Creation for Food Security" and efforts to modernise the agriculture sector through the adoption of technology and innovation. The three solutions introduced at MAHA demonstrate how FGV's expertise is being applied to address practical needs in the field.

BacN-Fix is a plant growth enhancer that uses beneficial bacteria to help plants absorb nutrients more efficiently, supporting root development and overall plant growth. The product is suitable for a variety of crops and has been tested under local conditions, including on local rice varieties. It also has the potential to reduce reliance on chemical fertilisers and support more sustainable fertilisation practices.



BacN-Fix support more sustainable fertilisation practices and has the potential to reduce reliance on chemical fertilisers

Adjuvax 248 helps improve the effectiveness of pesticides and herbicides. Improved spray distribution helps reduce wastage and the need for repeated applications, contributing to more efficient use of agricultural inputs, lower operating costs and reduced carbon emissions.



Adjuvax 248 helps to improve spray distribution, helps reduce wastage and the need for repeated applications

FGV Geotagger Pro enables field mapping and positioning to be carried out more accurately and systematically, with an accuracy of approximately one to 10 centimetres. The technology supports precision planting, area mapping and farm management, with potential applications across the broader agriculture and geospatial sectors.



FGV Geotagger Pro supports precision planting, area mapping and farm management.

“Modernising the agriculture sector requires collaboration among various stakeholders to ensure that technology and innovation are translated into practical solutions that address actual needs. With our R&D capabilities and operational experience built over more than five decades, FGV will continue to translate this expertise into innovations that enhance value and extend benefits to the industry, smallholders and agricultural producers,” said Nurul Muhaniza Hanafi, Group Managing Director of FGV.

As a key entity within the FELDA ecosystem, FGV’s scale and operational experience provide an environment where innovations can be tested and refined under actual operating conditions before being introduced more widely, while contributing to a stronger ecosystem for FELDA and its settler community. This approach was also applied through the trial of B100 biodiesel in FGV’s plantation operations in July 2026.

FGV’s R&D capabilities span both upstream and downstream research and have resulted in a range of high value products, including Yangambi Platinum oil palm tissue culture, biological control products Palmashield and PalmaGro, as well as consumer products under the ADELA and PREMEO brands. FGV, through its subsidiary FGV Agri Services Sdn. Bhd., also received the Most Active Participant Award under the Planting Material Verification Scheme (SPBT) for the Planting Materials, Industrial Crops category from the Department of Agriculture Malaysia in conjunction with MAHA 2026.



In addition to the launch of BacN-Fix, Adjuvax 248, and FGV Geotagger® Pro, FGV is showcasing its wide range of products for visitors at MAHA 2026, including SAJI, SERI PELANGI, ADELA, GULA PRAI, KEDAI FGV, PREMEO, ALMA, SUNFLOWER, PALMAGRO, SUNBEAR, YANGAMBI ML161, BUTIK'S, BIORICH, and more.

All three innovations introduced at MAHA 2026 have been commercialised for industry and agricultural use. FGV also welcomes collaborations with industry players, smallholders and agricultural producers to explore the application of these innovations based on their respective crop and operational requirements.

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