



A MILESTONE IN SUSTAINABLE AGRICULTURE



**SIRIM
ECO-LABEL**

Low Toxicity Biofertilizer
Certified to: SIRIM ECO 013:2024
Certification No.: EL000405

CERTIFIED ECO-FRIENDLY

IBG Biofertilizer has been certified under the SIRIM ECO 013:2024 eco-labelling standard that meets stringent requirements for biodegradability, low toxicity, and environmental friendly.



GREEN RECOGNITION

IBG Biofertilizer has obtains MyHijau status, Malaysia's official green recognition endorsed by Malaysian Green Tech & Climate Change Corporation (MGTC). This certified IBG biofertilizer as a genuine, certified eco-product that meets local and international standards.

Research with Xiamen University Malaysia showed that IBG Biofertilizer has:**

- 99% fewer emissions than organic fertilizers during production.
- 95% fewer emissions compared to nitrogen fertilizers.
- 15% reduction in greenhouse gas emissions per hectare of paddy field use.

Carbon Reductions:

IBG's Biofertilizers emit less **carbon** emissions throughout it's production by up to...



~99.9%

**Organic
Fertilizers**



~95.7%

**Nitrogen
Fertilizers**



~90.5%

**Microalgae
Fertilizers**



~69.1%

**Potassium /
Phosphorous
Fertilizers**

***Benchmarks taken from Walling & Vaneekhaute (2020)**

***Organic fertilizers consist of manure, compost, and digestates; prone to decomposition (high CH_4 & CO_2)**

**Mulya, K. S., Tan, J. P., Yeat, S. P., Yeat, C. N. C., & Woon, K. S. (2024). Biofertilizers for sustainable agriculture: A life cycle assessment of upstream manufacturing to carbon reduction. *Chemical Engineering Transactions*, 113, 187–192. <https://doi.org/10.3303/CET24113032>



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