

31 March 2026

Update on Seaweed-Based Bio-fertiliser & Bio-Stimulant R&D Program and Commercialisation

Highlights

- Final report from Temasek Polytechnic R&D program expected shortly
- Program focused on development of seaweed-based bio-fertiliser & bio-stimulant formulations
- Initial target commercial applications include oil palm and rice crops in Southeast Asia
- Increasing global fertiliser supply constraints highlight strategic relevance of alternative solutions
- Ongoing conflict in the Middle East and associated disruptions to key shipping routes are contributing to volatility in fertiliser supply and upward pressure on global fertiliser prices
- Further update to be provided following review of R&D results

The Board of BPH Global Ltd (ASX: BP8) (Company), is pleased to update the market on its seaweed-based bio-fertilizer and bio-stimulant research and development program being conducted by Temasek Polytechnic in Singapore via TP Innovation Holdings Pte Ltd (TPIH).

The Company advises that it expects to receive the final report from Temasek Polytechnic in the coming week. Following receipt, the Company will review the findings and undertake a debrief with Temasek Polytechnic, after which it will provide a further update to the market regarding the outcomes of the program.

Summary of R&D Program

As previously announced on [2 July 2025](#), the Company engaged TPIH to undertake a research and feasibility program focused on the extraction, analysis and formulation of seaweed-derived bio-fertilisers and bio-stimulants.

The program has included:

- Completion of extraction trials across selected seaweed species (*Eucheuma cottonii*, *Gracilaria spp.*, *Ulva lactuca* and *Sargassum polycystum*) and evaluation of multiple extraction methodologies to determine the most effective approach;
- Characterisation and analysis of key bioactive compounds and nutrient profiles; and
- Initial validation of bio-fertiliser and bio-stimulant potential, supporting further development of seaweed-based formulations toward commercial application.

The objective of the program is to support the development of sustainable, higher-value agricultural inputs for key Southeast Asian crops, including oil palm and rice.

Next Steps to Commercialisation

Following receipt of the Temasek Polytechnic report:

- The Company will undertake a technical evaluation of the findings to identify high-potential bio-fertilizer and bio-stimulant formulations and optimisation pathways.;
- A debrief and strategic planning sessions will be conducted with Temasek Polytechnic to refine development priorities to accelerate outcomes; and
- A further announcement will be made to the market outlining the results and proposed next steps for development and commercialisation

The Company looks forward to updating shareholders once the outcomes of the R&D program have been fully assessed.

Global Agricultural Context

The Company notes that recent geopolitical developments have highlighted the vulnerability of global fertiliser supply chains.

Escalating conflict in the Middle East and disruptions to shipping through the Strait of Hormuz—a critical global trade corridor—have materially impacted the availability and pricing of fertilisers and their key inputs. The Strait carries significant volumes of both energy products and fertilisers, and disruptions to shipping flows have led to reduced supply and increased global prices.

Fertiliser production is highly dependent on fossil fuels, particularly natural gas, which is a key feedstock for nitrogen-based fertilisers. As a result, energy market disruptions are directly linked to fertiliser cost increases and supply constraints.

Recent market reports indicate that fertiliser prices have risen sharply due to these disruptions, with supply bottlenecks and higher input costs placing pressure on global agricultural production and food prices.

In this context, the development of alternative, locally sourced and biologically derived agricultural inputs is becoming increasingly relevant.

ESG and Sustainability Considerations

Seaweed-based bio-fertilizers represent a potential sustainable alternative to conventional fertilisers. Unlike many synthetic fertilisers, which rely on energy-intensive industrial processes and fossil fuel inputs, seaweed-derived products are based on renewable marine biomass and can be produced with lower environmental impact.

Seaweed extracts contain a range of naturally occurring bioactive compounds, including phytohormones, amino acids and polysaccharides, which can enhance plant growth, improve nutrient efficiency and increase resilience to environmental stressors. In addition, seaweed cultivation contributes to carbon sequestration and nutrient cycling, supporting broader environmental sustainability outcomes.

The Company considers that these characteristics align with increasing global demand for more sustainable agricultural practices and inputs.

This announcement has been authorised by the Board.

- END -

For further information, please visit our website at www.bphglobal.com or contact the Company Secretary on 03 9088 2049.