



BioSouth to pioneer solid state fermentation in New Zealand

BioSouth has commenced solid-state fermentation of *Beauveria bassiana* for customers in the northern hemisphere.

Beauveria bassiana is a natural biocontrol agent used to control a variety of pests that impact food production and human health.

With a containerised turnkey solution for solid state fermentation, BioSouth can bring production onstream quickly and effectively. The company is looking to expand production over the next 24 months to meet the lack of global demand.

“BioSouth stands to be the largest solid-state fermenter in the world, and that is great news for New Zealand and the development of the bioeconomy onshore,” said BioSouth’s Chief Science Officer, Prof. Travis Glare.

The company’s expansion to include solid-state fermentation beyond its existing liquid-state fermentation capability is seen as a necessary progression to meeting growing demand across its customer base.



Insect after exposure to the *Beauveria bassiana* fungus

We’re fully booked

BioSouth has already committed its available fermentation capacity to meet the needs of existing customers through to the end of 2024.

We are working to ensure we can meet growing demand in 2025 with additional capacity coming onstream.

2025 will also see BioSouth expand production operations into Australia, with a new technology facility planned for Queensland.

The Australian focus is squarely on green mining and synthetic materials. The new technology centre will be a PS2 certified facility making advance technology available to universities, government departments and private sector companies.

BioSouth's Christchurch Technology Centre on track for commissioning by October of this year

The development of the technology facility in Sonter Road, Christchurch, is progressing well and will cater for both existing and future production demand

The facility will be home to multiple fermenters and a range of downstream processing equipment capable of taking customers through scale-up to production at commercial volumes.

“Fermenters ranging from five litres to five thousand litres will be coming on stream”, said BioSouth’s Technical Director, John Mead.

It is estimated that anywhere up to a dozen staff will be employed directly or utilising the facility on behalf of other biotech companies and academic institutions.

With its fermentation capacity and downstream processing capabilities, BioSouth’s Christchurch Technology Centre is on track to become the largest and most important biomanufacturing facility in Australasia.

Already BioLink – BioSouth’s training and knowledge management division – is securing bookings for overseas groups looking to take advantage of its residential training courses.

“The BioSouth Technology Centre will bring together people, processes and production capacity to delivery exciting outcomes in biomanufacturing here in Christchurch” said Chief Science Officer, Prof. Travis Glare.



Upcoming Events in 2024

Biologics Contract Manufacturing Asia 2024

11-12 September 2024, Singapore

BioSouth will be a speaker at this important event.

ABIM 2024 – Annual BioControl Industry Meeting

21-23 October 2024, Basel, Switzerland

BioSouth will be exhibiting together with other New Zealand organisations.