

Peptech Biosciences Ltd. Secures Technology Transfer from NBAIR for Bt-based Biopesticide

Category: Business

written by International Khabar | March 24, 2025



Peptech Biosciences Ltd. announced the successful acquisition of technology from the National Bureau of Agricultural Insect Resources (NBAIR), India. This groundbreaking technology focuses on the development of a Liquid Formulation of indigenous toxic strains of *Bacillus thuringiensis* (Bt).



Peptech Biosciences has acquired NBAIR technology to produce a potent, eco-friendly “Liquid Formulation” of *Bacillus thuringiensis* biopesticide

Field trials conducted by NBAIR have demonstrated the remarkable efficacy of this technology. Foliar sprays of *Bacillus thuringiensis* NBAIR BtG4 at a 2% concentration resulted in a significant reduction in pod damage in pigeon pea. Concurrently, this treatment led to a substantial increase in grain yield, highlighting the technology's potential to [enhance crop productivity](#) while minimizing environmental impact.

The microbe is a Bio-pesticide with a high level of toxicity against *H. armigera*, *P. xylostella*, *Chilo partellus*, *Sesamia inferens*, *Leucinodes orbonalis*, and other Lepidopteran pests affecting pulses, vegetables, and oilseeds. The technology is [environmentally safe and serves as a sustainable](#) alternative to chemical pesticides, making it suitable for diverse agricultural environments except temperate regions.

We are thrilled to have [secured this valuable technology](#) from NBAIR,” said Suresh Singla, Director at Peptech Biosciences Ltd. This collaboration underscores our commitment to developing sustainable [solutions that contribute to the](#)

[advancement of Indian](#) agriculture. By continuously investing in research and technology, we aim to empower agriculture brands with effective and eco-friendly solutions that [enhance productivity](#) while ensuring environmental safety.

Peptech Biosciences Ltd. is a rapidly growing B2B agri-biotech company specializing in research-driven crop solutions. The company partners with medium- and large-sized agricultural brands, providing them with high-quality biological crop protection & nutrition products. With a strong emphasis on innovation and sustainability, [Peptech Biosciences offers an extensive portfolio that includes Bio-Fertilizers](#), Bio-Stimulants, Bio-Pesticides, and Plant Growth Regulators solutions. Its state-of-the-art, fully mechanized manufacturing facilities ensure precision and quality, while a dedicated team of scientists works on pioneering advancements to [meet the evolving needs of the agriculture industry](#). With over 250 product registrations under CIBRC, 50 under FCO, and 18 potential state permissions, Peptech Biosciences [Ltd. stands as a trusted partner for agricultural brands](#) worldwide.

Along with *Bacillus thuringiensis*, Peptech Biosciences Ltd. offers a Bio-pesticide range that includes *Beauveria bassiana* and Azadirachtin and a Bio-fungicides range including *Trichoderma viride*, *Trichoderma harzianum*, *Pseudomonas fluorescens*, and *Bacillus subtilis*.

