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## Advances of Research on Bacterial Insecticides in China

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### Abstract

As a main component of bioinsecticide, bacterial insecticides have been made much progress recently in their research and development as commercial ones. The entomopathogenic bacterium *Bacillus thuringiensis*, a leading bacterial insecticide, is a Gram-positive bacterium that produces one or more insecticidal crystal proteins during sporulation that display insecticidal activities against larvae of several orders including lepidoptera, diptera, and coleoptera. The product based on *B. thuringiensis* has been widely used as an environmentally sound bioinsecticide to control insect pests of agricultural, arboreal and medical importance because of the insecticidal activity of their crystal proteins in many countries. This paper reviews the current situation, the development and their prospect of *Bacillus thuringiensis* and other bacterial insecticides in China.

**Key words:** Bacterial insecticide; *Bacillus thuringiensis*; Pest control