

## Biopesticides in India

Biopesticides represent only 2.89% (as on 2005) of the overall pesticide market in India and is expected to increase drastically in coming years. In India, so far only 12 types of biopesticides have been registered under the Insecticide Act, 1968. Neem based pesticides, *Bacillus thuringiensis*, NPV and *Trichoderma* are the major biopesticides produced and used in India. Whereas more than 190 synthetics are registered for use as chemical pesticides. Most of the biopesticides find use in public health, except a few that are used in agriculture. Besides, i) transgenic plants and ii) beneficial organisms called bio-agents: are used for pest management in India.

### *Biopesticides registered as insecticides Act, 1968.*

S. No.	Name of the Biopesticide
1.	<i>Bacillus thuringiensis</i> var. <i>israelensis</i>
2.	<i>Bacillus thuringiensis</i> var. <i>kurstaki</i>
3.	<i>Bacillus thuringiensis</i> var. <i>galleriae</i>
4.	<i>Bacillus sphaericus</i>
5.	<i>Trichoderma viride</i>
6.	<i>Trichoderma harzianum</i>
7.	<i>Pseudomonas fluorescens</i>
8.	<i>Beauveria bassiana</i>
9.	NPV of <i>Helicoverpa armigera</i>
10.	NPV of <i>Spodoptera litura</i>
11.	Neem based pesticides

