

TERI-Bollcure



The Energy and Resources Institute (TERI), New Delhi has developed Eucalyptus (*E. camaldulensis* L.) plant extract based pesticide formulation 'Bollcure' with the support of Department of Biotechnology, Govt. of India. The formulation is effective against bollworm (*Helicoverpa armigera*), a major insect pest of cotton and chickpea crops as shown in the field trials. It inhibits the growth of the bollworm larva by more than 80%. The formulation restricts the growth of the larva to early instar, resulting in death of the larva thereby, preventing crop damage.



Effect of Bollcure on growth of *Helicoverpa armigera* larva

Salient Features of Bollcure:

- **Effective against cotton bollworm *Helicoverpa armigera***
- **Effective against other insects/pests of cotton e.g. millibug, jassids, white fly and other crop pests e.g. Tobacco caterpillar (*Spodoptera*)**
- **Significant reduction in larval weight (88%)**
- **Mild antifeedancy**
- **Suitable for both organic and IPM crop practices**
- **Wide range of applicability in other economically important crops e.g. chick pea, pigeon pea, tobacco, tomato, sunflower**
- **Successfully tested under Multilocational trials by ICAR Centers, station field trials conducted by IARI at its research farms for cotton and chick pea**
- **Cost benefit ratio for cotton 1:4.15**
- **Cost benefit ratio for chickpea 1:17.1**
- **Shelf Life: 1 Year (accelerated time)**
- **Non-phytotoxic, Biodegradable and Thermostable**
- **No toxicity reactions on humans**
- **Promising market potential in India and Abroad (50% of the total chemical pesticides worth more than Rs. 1750 crores is used in India for cotton management only).**