### Soybean Tobacco Leaf Eating Caterpillar

*Spodoptera litura*  
**Vernacular name:** Tambakhuchi Pane Khanari Ali

#### Prevention
- Deep ploughing in summer season
- Use castor (*Ricinus communis*) as trap crop
- In Rabi season don’t grow sunflower (*Helianthus annuus*), groundnut (*Arachys hypogaeae*) or Sesamum crop
- Adopt the plant protection measures on a community basis to get maximum benefits

#### Monitoring
- Collect and destroy eggs and larvae of the pest
- Higher infestation of pest observed in August month
- Install pheromone traps 10 per ha (use Spodo lure)
- Install light traps in field from 07 to 09 PM

#### Direct Control
- Application of neem seed kernel extract 5%
- Application of *Beauveria bassiana* or *Nomuraea rileyi* or *Metarhizium anisopliae* 40gm/10litre water
- Install of bird perches at 10-12/ha.
- Spray SL NPV (nuclear polyhedrosis virus of *Spodoptera litura*) 5 ml (500LE/ha)
- Spray biocides at proper humidity level (more than 80%), spray in morning or evening time

#### Direct Control
- All doses above are for hand pump. For power spray use double doses.
- Use proper quantity of water, i.e. 750 l/ha
- Spray chloropyriphos 20EC at 20 ml
- WHO Class II (Moderately hazardous), organophosphate
- Spray emamectin benzoate 5 SG at 5 g
- WHO Class II (Moderately hazardous), macrocyclic lactone, systemic with contact and stomach action
- Spray profenofos 50 EC at 25 ml
- WHO Class II (Moderately hazardous), organophosphate, non-systemic with stomach and contact action
- Spray rynaxpyr 20 SC at 2ml
- Not classified by WHO
- Spray spinosad 5 SG at 4 g
- WHO Class III (Slightly hazardous)
- Spray indoxacarb 14.5 SC at 10 ml
- WHO Class II (Moderately hazardous), oxadiazine insecticide with contact and stomach action

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**India**  
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