



is now registered  
in Mexico!



**Active Ingredient content:**

*Sophora flavescens* plant extract 25%

**Levo® SL** is a biological insecticide, naturally derived from the plant *sophora flavescens* with a broad spectrum of activity against a wide range of pests.

*Sophora flavescens* is a well-studied medicinal herbal plant, extensively used as an important ingredient in both the pharmaceutical industry and in traditional homeopathic treatment. The plant is Non-toxic to human & livestock and causes no pollution to environment, water and soil.



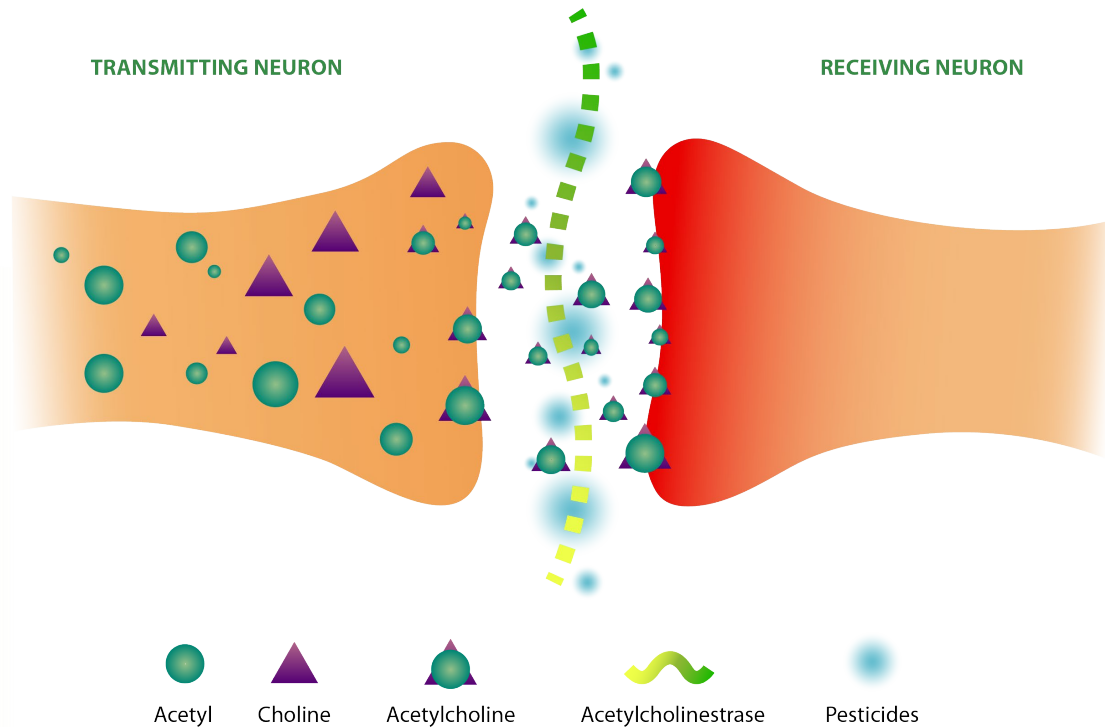


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**Levo<sup>®</sup> SL** contains a complex of secondary metabolites, which acts as a defender against microbial pathogens and insect pests. **Levo<sup>®</sup> SL** accelerates the acetylcholinesterase enzyme activity. Due to over-activity of the enzyme, the insect is paralysed and its respiratory system fails. Subsequently, the plants are protected for a longer period of time and are less susceptible to infections.

### Levo<sup>®</sup> SL advantages:

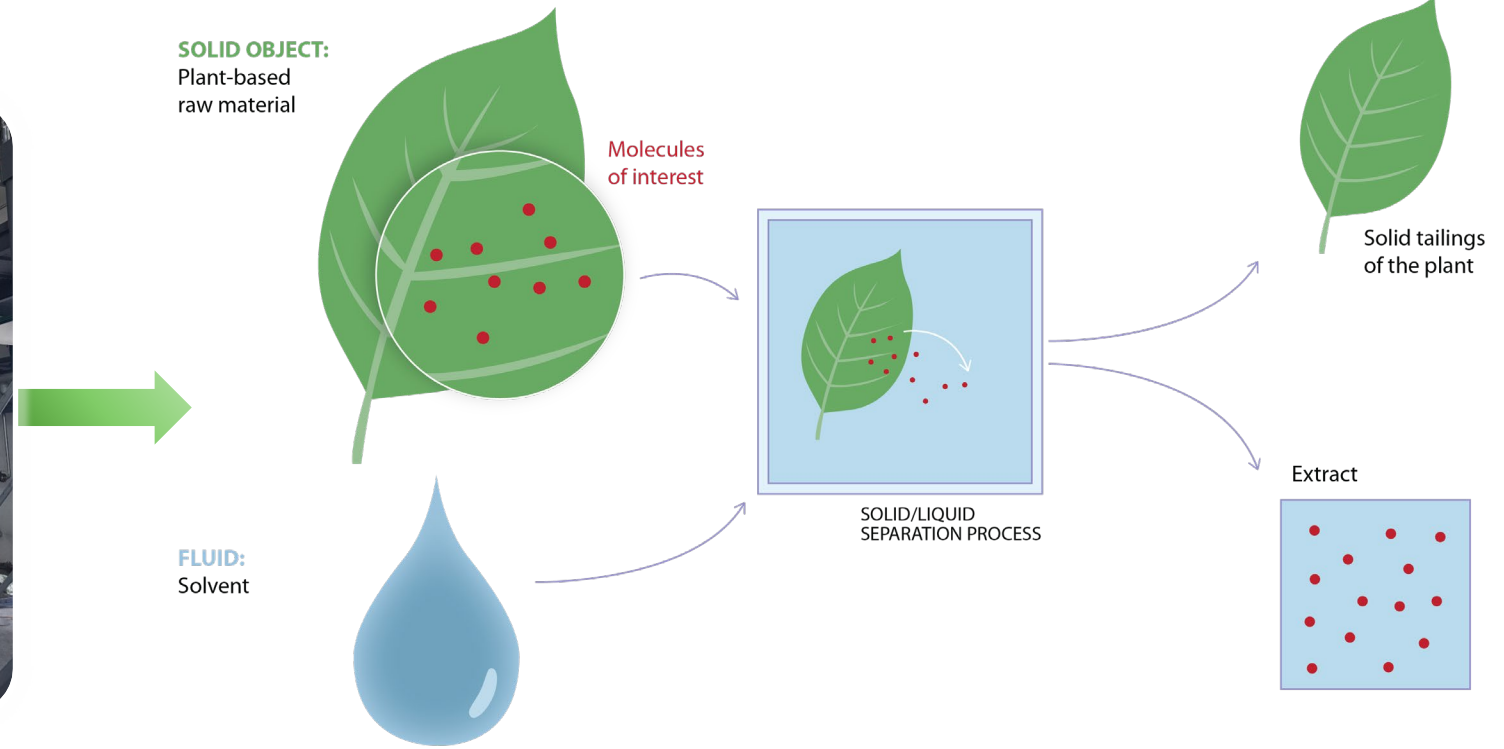
- High efficiency against a wide range of pests
- Ideal for IPM programs
- Effective repelling action
- Low residues in crops
- Suitable for application as foliar pesticide



# Extraction process



Extraction and boiling machinery used for the fermentation and extraction process of **Levo<sup>®</sup> SL** from the seeds of *S. flavescens*



- Flavonoids were extracted from *sophora flavescens* with an ethyl acetate solvent
- The extract contains the molecules that perform the anti-insecticidal activity