



TECHNICAL DATA BULLETIN

PRODUCT TECHNICAL INFORMATION AND APPLICATION

IMIDOR® 200SL

(IMIDACLOPRID 20%)

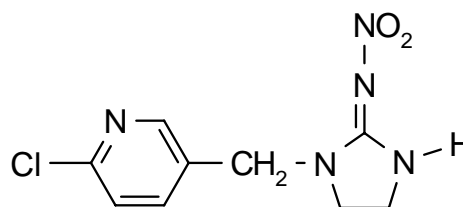
1. INTRODUCTION:

Imidor 200 SL is a liquid concentrate formulation containing 200 g / L of the active ingredient *Imidacloprid*. It is used as an insecticide in a large number of agricultural crops and ornamental plants.

2. ACTIVE INGREDIENT:

Common Name:	"Imidacloprid"
CAS Registry No:	138261-41-3
Molecular Formula:	C ₉ H ₁₀ ClN ₅ O ₂
Molecular Weight:	255.7
Chemical Name (IUPAC)	1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine

Chemical structure:



Vapour Pressure:	4 x 10 ⁻⁷ mPa (20 °C)
Acute, Oral LD ₅₀ for rat:	450 mg/Kg

3. PHYSIOCHEMICAL PROPERTIES OF THE FORMULATION:

Assay:	"Imidacloprid" 200 ± 20 g/L
Appearance:	Clear Light Yellow Liquid free of visible impurities
Density:	1.106 ± 0.006 Kg/L
Acidity as H ₂ SO ₄ (g/Kg)	<1.0
pH	6.5 – 8.5
Solubility in water	Soluble
Flash Point:	>60°C



4. MODE OF ACTION:

Imidor 200SL is a systemic insecticide with translaminar activity and with contact and stomach action. Readily taken up by the plant and further distributed acropetally, with good root-systemic action. Act as an antagonist by binding to postsynaptic nicotinic receptors in the insect central nervous system.

5. USES:

Imidor 200SL is used for the control of sucking insects, including leaf-and planthoppers, aphids, thrips and whitefly, and it is effective against soil insects, termites and some species of biting insects. Has no effect on nematodes and spider mites. Used as a seed dressing, as soil treatment and as foliar treatment in different crops, e.g. rice, cotton, cereals, maize, sugar beet, potatoes, vegetables, citrus fruit, pome fruit and stone fruit.

6. PHYTOTOXICITY:

Imidor 200SL non-phytotoxic when used as recommended.

7. COMPATIBILITY:

Imidor 200SL can be tank mixed with other pesticide. However, for new mixtures a small-scale trial mix should be carried out and tested before large- scale application.

8. APPLICATIONS:

Imidor 200SL is applied as a foliar spray after being diluted with water at 25-100 g/ha, and 50-175 g/100 kg seed for most seed treatments, and 350-700 g/100 kg cotton seed.

For effective control the following notes should be considered:

- Spray treatment has to be carried out at the first sign of infestation.
- Spraying has to be repeated when required.



Recommendations for Use			
Crop	Pest	Application Rate	PHI
Vegetables	Aphids, Leafhoppers	25-50 ml / 100 L water	14 days (Cucurbits 10 days)
	Thrips, Whitefly	50 -125 ml/100L water	
Fruit Trees	Aphids, Leafminers	35-50 ml / 100 L water	21 days
	Wooly aphid, Psylla	50 -125 ml/100L water	
Citrus	Aphids, Mealybugs, Scale insects	15-20ml/5L water/tree	
Dates Palm	Scale insects, Leafhoppers, Weevils	15-20ml/5L water/tree	
Cereals	Aphids, weevils, Leafhoppers	500 - 700 ml / ha	
Ornamentals	Aphids, Whitefly, Thrips, Mealybugs	50-150 ml/100 L water	

9. PREHARVEST INTERVAL:

The Pre-Harvest interval ranges between 10-21 days depending on the treated crop.

10. HANDLING, STORAGE AND TRANSPORTATION:

Imidor 200SL should be transported and stored in clearly labeled original containers, under lock and key secured from access by unauthorized persons and children. No food or drink should be stored in the same compartment. Full protective clothing, including impermeable boots, clean overalls, gloves and respirators should be provided for all personnel handling this product.