

# BLAST 60 EC™

## Introduction:

Blast 60 EC™ is a broad spectrum insecticide with contact and stomach action. Blast 60 EC™ is effective in control of Hemiptera, especially aphids, Thysanoptera and Lepidoptera, by foliar application, on a wide range of crops. Blast 60 EC™ is suitable for use in hot and dry conditions.

## Mode of action:

Acetamiprid is systemic insecticide with translaminar activity and with contact and stomach action. . Lambda-cyhalothrin is non-systemic insecticide with contact and stomach action, and repellent properties. Gives rapid knockdown and long residual activity.

## Advantages:

1. Broad spectrum activity.
2. 2 mode of action – systemic and contact
3. Low pest resistance risk.
4. Contact and stomach action.
5. Suitable for many crops.
6. Low toxicological effect on mammals.
7. Safe for crops if used as directed.

## Pre harvest interval:

Vegetables: 7 days  
Fruit trees: 5-7 days

## Chemical profile:

**Common name:** acetamiprid, lambda-cyhalothrin

**Chemical name:** (acetamiprid) (E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine (lambda-cyhalothrin) A reaction product comprising equal quantities of (S)-á-cyano-3-phenoxybenzyl (Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropane carboxylate and (R)- á-cyano-3-phenoxybenzyl

**Chemical formula:** C<sub>10</sub>H<sub>11</sub>ClN<sub>4</sub>, C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub>

## Shelf life:

Two years after the date of manufacture, under normal conditions.



**Sineria**

### Toxicology profile:

**Acute oral:** LD50 for rats >1000mg/kg

**Acute dermal:** LD50 for rabbits > 2000 mg/kg

**Acute inhalation:** LC50 (4h) for rats > 1.0 mg/l

**Skin and eye irritation:** Non irritant to rabbit skin and eyes.

**Class:** WHO(ai) II.

### Ecotoxicology:

**Chicken :** LD50 for chicken >2000 mg/kg body weight.

LC50 for freshwater fish is 1.0700mg/l of water.

LD50 for bees is 0.0206% v/v.

LC 50 (14 days) for Eisenia foetida > 1000 mg/kg soil.

**Application:** used by foliar spraying. It is important that spray evenly on the crops to get maximum control effects.

### Recommendation for use:

Crop	Pest	Rate of application	Rate/15 L Knapsack
Tomato	Aphids, Whiteflies Leaf miners, Thrips	0.75 Lit. Per Hectare	75ml
Citrus and Mango	Colorado Beetle Leaf miners, Aphids	0.75 Lit. Per Hectare	75ml
Beans	American bollworm Aphids, Russian Aphids Leaf miner, Thrips	0.5-0.75 liter per hectare	50-75ml
Cotton	Russian Aphids, Thrips , Mirids aphids and leaf miner	0.5 liter per Ha.	50ml

### First aid measures:

**Ingestion:** Provided the patient is conscious, wash out mouth with water. Immediately contact physician or Poison Control Center. Do not induce vomiting. Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency facility.

**Eye:** Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.

**Skin:** Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention immediately.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Obtain immediate medical attention.

### Stability in storage:

Minimum 2 years when stored under normal conditions.

Store in original packaging.

Read the label carefully and use the product accordingly.

Use pesticide safety.

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Supplied by:

**Sineria**

SINERIA HOLLAND BV  
Randwycksingel 20-A015  
6229 EE Maastricht The Netherlands  
www.sineria.com