

CIR-191774/2021-IMIDACLOPRID (SL) (429)-3928

### **IMIDACLOPRID 17.8% SL**

#### **( Systemic Insecticide )**

Imidacloprid 17.8% SL is a systemic insecticide containing Imidacloprid active ingredient balance auxiliaries and inert material. It is used as a spray for the control of sucking and other insects in different crops.

#### **Recommendation**

| <b><u>Crop(s)</u></b> | <b><u>Common Name of Pest</u></b> | <b><u>Dosage/HA</u></b> |                                 | <b><u>Dilution in Water (Ltr)</u></b> | <b><u>Waiting Period between last spray to harvest (in days)</u></b> | <b><u>Re-entry after each Application (In Hours)</u></b> |
|-----------------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------------|--|--|
|                       |                                   | <b><u>AI (kg)</u></b>   | <b><u>Formulation (Ltr)</u></b> |                                       |  |  |
| Grapes                | Flea beetle                       | 0.06-0.08               | 0.300-0.400                     | 1000                                  | 32   |  |
| Mango                 | Hopper                            | 0.4-0.8 g/tree          | 2-4 g/tree                      | 10                                    | 45   |  |
| Cotton                | Aphid, whitefly, Jassids, Thrips  | 0.020-0.025             | 0.10-0.125                      | 500-700                               | 40   |  |
| Sugarcane             | Trmite                            | 0.07                    | 0.35                            | 1875                                  | 45   |  |
| Tomato                | White fly                         | 0.03-0.035              | 0.150-0.175                     | 500                                   | 3  |  |
| Paddy                 | BPH, WBPH, GLH                    | 0.020-0.025             | 0.10-0.125                      | 500-700                               | 40   |  |
| Citrus                | Leaf miner, psylla                | 0.01%                   | 0.05%                           | -                                     | 15   |  |
| Okra                  | Aphid, Jassid, Thrips             | 0.02                    | 0.5                             | 500                                   | 3  |  |
| Chilli                | Jassid, Aphid, Thrips             | 0.025-0.05              | 0.125-0.250                     | 500-700                               | 40   |  |
| Groundnut             | Aphid, Jassid                     | 0.02-0.025              | 0.1-0.25                        | 500                                   | 40   |  |
| Sunflower             | Jassids, Thrips, Whitefly         | 0.02                    | 0.1                             | 500                                   | 30   |  |

#### **Direction of Use**

Plant Protection Equipment: Hand operated knapsack sprayer or foot sprayer is recommended and tractor mounted sprayer can also be used.

#### **Precaution**

1. Keep away from foodstuffs, empty foodstuff containers and animals feed.

2. Avoid contact with eyes, mouth and skin.
3. Avoid inhalation the spray mist. Spray in the direction of wind.
4. Wash thoroughly the contaminated clothes and part of the body after spraying.
5. Do not smoke, drink eat and chew anything while spraying.
6. Wear full protective clothing while mixing and spraying.

### **Symptoms Of Poisoning**

Apathy, myotonia, tremor, difficult breathing, myospasms may occur.

### **First Aid**

1. If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient unconscious.
2. If clothing and skin is contaminated, remove the clothes and wash the contaminated skin with copious amount of soap and water.
3. If eyes are contaminated, flush with plenty of saline/clean water for about 10 to 15 minutes.
4. If inhaled, remove the patient to fresh air.

### **Phytotoxicity**

The product is not Phytotoxic when used as per field recommendation.

### **Antidote**

No specific antidote. Treat symptomatically.

### **Disposal Of Used Container**

1. The packages shall be broken and buried away from habitation.
2. The used packages shall not be left outside to prevent their re-use.
3. Packages or surplus material and washing should be disposed in a safe manner so as to prevent environment or water pollution.

### **Storage Conditions**

1. The package containing the insecticide shall be stored in separate rooms or premises away from the rooms or premises used for stored other articles shall be kept in separate Almirahs under lock and key, depending on the quantity and nature of insecticides
2. The rooms or premises meant for storing the insecticide shall be well built, dry, and well lit and ventilated and sufficient dimensions to avoid contamination with vapour.

### **Chemical Composition:**

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|                      |  |             |
|----------------------|--|-------------|
| Imidacloprid         | (a.i.)                                     | 17.80 % w/w |
| Non ionic emulsifier | (Ethoxylated Alkyl Aryl Phenol Derivative) | 2.50 % w/w  |

|                                 |                      |
|---------------------------------|----------------------|
| Polyvinyl Pyrrolidone Copolymer | 1.00 % w/w           |
| Dimethyl Sulfoxide              | 38.40 % w/w          |
| N-Methyl Pyrrolidone            | Q.S % w/w            |
| <b>Total:</b>                   | <b>100.000 % w/w</b> |