

Karanja oil



Insect grow regulator and deterrent - Fungistatic action



COMPOSITION

| | |
|----------------------------------|--------------|
| Oleic monounsaturated C18:1 | 44.5 - 71,3% |
| Linoleic polyunsaturated C18:2 | 10.8 - 18.3% |
| Eicosenoic monounsaturated C20:1 | 9.5 - 12.4% |
| Palmitic saturated C16 | 3.7 - 7.9% |

 **Appearance**
Liquid

 **Application**
Foliar

 **Packaging**
5 - 20 - 200 Kg

DESCRIPTION

Karanja Oil is extracted by Cold Pressed Technology and Double Filtered pure oil derived from high quality seeds of Karanja Tree (*Pongamia glabra*) which is commonly found in India. It is pale yellow in colour and viscous; for centuries, in India, it's known for its medicinal and antiseptic properties, and it's known to be able to get rid of more than 200 species of pathogens that affects plants.

These properties are attributable to mix of alkaloids, mainly to Karanjin, presents into the seeds of the plant, an insect growth disruptor and a powerful feeding and ovipositional deterrent.

Karanja Oil is considered an important natural product for Organic and Integrated Agriculture, thanks to its phyto-repellent and fungistatic action.

When insects feed on Karanja Oil treated plant leaves, substances as Karanjin, induce an antiperistaltic wave in the alimentary canal and this produces something similar to a vomiting sensation.

Insect's ability to swallow is blocked so, thanks to this sensation, insects don't feed anymore on treated plants. Thanks to these substances females cannot complete oviposition process, so it prevents future damages to the crops.

Karanja Oil can also control by asphyxiation, as all the other oils in agriculture, the proliferation of mites, whiteflies, aphids and other types of soft bodied insect.

For all these reasons, during the evolution, insects learned to avoid Karanja Oil treated areas and crops. So, thanks to these properties, Karanja Oil is considered a powerful insect deterrent.

As a fungistatic, Karanja Oil is used in preventive strategies and when the disease is already started. Karanja Oil treatments coat leaves surface with a waterproof film that prevents the germination of fungal spores.

DOSES AND METHOD OF USE

We recommend to avoid treatments with high temperatures

| Acute treatments | Preventive treatments |
|--|-----------------------|
| 1 Kg/hl in case of infestations already underway | 0,5 Kg/hl |