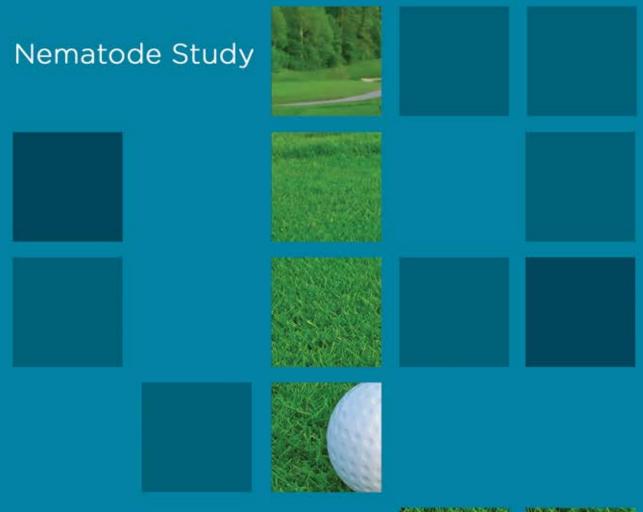
vegalab



Contains:



- Nematode Control Product Sheet
- · Vegalab's Nematode Control Application on a Golf Course
- Evaluation of nematicide Nematode Control product against Columbia root-knot nematode on potato
- Nematicidal activity of monoterpenoids against the root-knot nematode Meloidogyne incognita
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- Nematicidal Activity of Essential Oil of Geramiums Against the Root-Knot Nematode Meloidogyne Incognita

Turf & Ornamental

Nematode Control[™] Nematicide

Powerful Natural Control of Parasitic Nematodes

Nematode Control is our next generation nematicide built around our patented, proprietary micronization technology. Nematode Control has been proven to significantly impact the population of parasitic species and and promote plant growth.

Active Ingredients:

 \rightarrow Nematode Control uses natural extracts of Geraniol to combat and prevent nematode infestations.

Mode of Action:

Repells and kills nematode juveniles, disrupts feeding and reproduction, inhibits eggs from \rightarrow hatching, reinforces the root cell walls, and increases metabolism in roots.

Directions for Use:

- For prevention and low infestation apply 3 oz / 1,000 ft², spray with at least 50 gpa of water as a carrier. Water in lightly immediately afterwards.
- For curative and high infestation apply 6 oz / 1,000 ft², spray with at least 50 gpa of water as a carrier. Water in lightly immediately afterwards.
- Area Applications Use 0.55 to 1.1 gallons per acre of land via soil irrigation depending on rate of infestation.
- Frequency of Application Apply every 2 weeks for a total of 3 applications. Then apply monthly \rightarrow thereafter as needed.

Effective Against:

- Lance Nematode
- Sting Nematode
- Root-Knot Nematode Reniform Nematode
- Lesion Nematode
- Stunt Nematode
- Burrowing Nematode
- - Foliage Nematode

Features:

- Effective, easy to use formula
- Fast-acting
- Non-toxic and biodegradable
- Beneficial insects unharmed

Used on All Kinds of:

 Ornamental Plants (Trees & Shrubs) Annual & Perrenial Flowers
Turf Grass

Vegalab's Nematode Control – Golf Course with High Nematode Infestation



3 Applications in 6 weeks at 1 Gallon Per Acre – No Other Fertility or Chemical Inputs



Nematode Control inhibits harmful microbes and phytonematodes, reduces the size of root knots, and destroys nematode eggs; thereby enhancing plant growth, by allowing plant cells and roots to revitalize.

Evaluation of Nematicide Nematode Control Product Against Columbia Root-knot Nematode on Potato in Micro-plot Condition.

A microplot study on efficacy of Nematode Control product against Columbia root-knot nematodes on potato has been conducted at University of Idaho Parma Research and Extension Center, Parma, Idaho. Experiment was carried out in bucket (20,000 cc soil) containing field soil with pure population of Columbia root-knot nematode with an average of 718 eggs & larvae per 500 cc soil. Potato cv Ranger Russet was planted to bucket on 6 Jun 2013. Mocap 6EC @ 2 gal/A was pre-plant incorporated on 5 Jun as a standard treatment.

Nematode Control product was applied via soil drench at 1 and 2 gal/A; 50%, 100%, of recommended rates, respectively. Potatoes were harvested on 24 Oct 2013. Final nematode population densities were significantly reduced at application of Vegalab product (2 gal/A) as compared to untreated control and standard Mocap. The potato yield was significantly higher in Vegalab product applied @ 1 or 2 gal/A (50 or 100% of recommended rate) and Mocap standard as compared to all other treatments and untreated control.

Nematicidal Activity of Monoterpenoids Against the Root-knot Nematode Meloidogyne Incognita.

Abstract: Nematicidal activity of 22 monoterpenoids were evaluated in vitro and in micro-plot experiments. Twenty of the twenty-two monoterpenoids significantly reduced hatching, and 11 reduced J2 (juvenile) mobility of the root-knot nematode Meloidogyne incognita at a concentration of 250 mg/liter. Borneol, carveol, citral, geraniol, and alpha-terpineol showed the highest nematicidal activity among the in vitro tested monoterpenoids. These compounds exhibited a dose dependent effect, and drastically reduced eggs hatching and J2 viability at low concentrations. These monoterpenoids, at 100 and 250 mg/kg concentration, diminished root galling of tomato plants in micro-plot experiments. The results suggest that the selected monoterpenoids, and essential oils with high concentration of these compounds, are potential nematicides against Root-knot nematode.

Effect of Plant Extracts and Essential Oils on Root-knot Nematode.

1) Department of Plant Protection, Faculty of Agriculture, University of Jordan, Amman, Jordan. 2) Department of Pharmaceutics and Pharmaceutical Technology and Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman, Jordan

Summary: The nematicidal activity of methanolic extracts (20 µg ml-1) from twenty Jordanian plant species against two species of root-knot nematodes in vitro was evaluated. Whole-plant extract of Hypericum androsaemum showed the highest activity (11% mortality) against Meloidogyne javanica after 24 h of incubation. With a tenfold concentration (200 µg ml-1) of those plant extracts thought to contain volatile oils, the second stage juveniles (J2) mortality of both nematodes increased after 24 and 72 h of incubation.

Nematicidal tests of some volatile oils that are active ingredients of the plants tested revealed that geraniol, thymol, and camphor were the most effective against M. javanica J2s, with 91, 60, 56% mortality respectively after 72 h of exposure. Against M. incognita J2s, the most effective oil components were carvacol, thymol, and geraniol, with mortalities of 100, 90, and 74% respectively after 72 h of exposure. Cineole was the least effective against M. incognita.

Nematicidal Activity of Essential Oil of Geramiums Against the Root-Knot Nematode Meloidogyne Incognita.

Indian Institute of Horticultural Research, Bangalore, India

Summary: Nematicidal activity of essential oil of Geraniums (Pelargonium graveolens) and its major constituents namely citronellol, geraniol and linalool was determined against the root-knot nematode Meloidogyne in-cognita. Geraniol was found to be the most effective component which was followed by citronellol and linalool.



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