

Fights

Nematodes...

Safely & Effectively

نيماستوب
NEMASTOP

Protects & Stimulates the Roots



NEMASTOP

*Say Goodbye to Nematode
& Root Problems*



Highly Effective Natural Compound
Against ALL KINDS OF NEMATODES

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NEMASTOP



Nematodes...

Nematodes are considered one of the most important harmful factors that lead to a decrease in the productivity of all kinds of plants, whether they are trees, field crops or vegetables. Nematodes attack the roots of many plants, causing cell enlargement and tissue damage, which impedes the transfer of food and water from the roots to the rest of the plant, so symptoms appear on vegetative growth in the form of gradual weakness in growth, dwarfing of plant size, yellowing and wilting of leaves, which ultimately leads to plant death. Significantly weak production without identifying the main cause in the soil.



Symptoms of nematode infection: divided into:

Symptoms on the roots

- Root cankers and ulceration is the localized death of infected tissue.
- Swellings resembling nodes at the tips of the roots.
- Bombardment and dwarfing of the roots.
- Root knot and rot.
- General dwarfing in the total root.

Symptoms on vegetative growth and production

These symptoms arise due to a significant lack of efficiency in the absorption of water and nutrients from the soil by the roots for transport and distribution to all parts of the plant. These symptoms include the following.

- General weakness in the growth of the vegetative system.
- Yellowing leaves and symptoms similar to lack of nutrients.
- Withering, especially in hot times during the day.
- Shortage of yield and poor quality.

Benefits of nematode control

The benefits of nematode control are not limited to those clear, direct benefits in increasing the yield and improving its quality, but extend to include some other important indirect benefits that may not be obvious or possible Easily measure it like:

By combating nematodes in the soil, it is also possible to combat fungi and bacteria that appear only with the presence of nematodes in the soil, as well as combating many saprophytic fungi and bacteria that increase root rot by attacking nematode-infected parts such as knots, sores, and others.

The control of nematodes leads to the production of a healthy and large root system, and thus a high efficiency of the roots in absorbing water and mineral elements from the soil, and this would save large quantities of irrigation water and fertilizers.

Nematode control leads to similarity in plant growth, quality of production, and regularity in the dates of agricultural operations such as harvesting or harvesting, etc., which facilitates marketing operations and increases profits.

Controlling nematodes leads to an increase in the yield and benefit from controlling other pests. For example, controlling insects and diseases without controlling nematodes on the plant itself may not lead to the expected results in increasing the quantity and quality of the crop, so spending on controlling these pests without controlling nematodes becomes of little return and benefit.





Nemastop compound

A unique combination of natural plant extracts as well as natural oils and polyunsaturated fatty acids, it is a unique alternative to pesticides to eliminate nematodes.

Nemastop Action Mechanism

Nemastop is a unique combination of natural plant extracts as well as natural oils and polyunsaturated fatty acids that work in contact with the body of nematodes and eliminate them and eliminate fungi that cause root rot.

Nemastop inhibits the enzyme acetylcholinesterase in the nervous system of nematodes, which leads to a lack of control over the transmission of nerve impulses, causing rapid paralysis, so vital processes stop, damage stops, and the nematodes eventually die.

As soon as the roots of the plant absorb the product, the nematodes are prevented from feeding on the plant, which results in death due to the drying effects of linoleic and linolenic acids.

Pre-harvest period

Nemastop is used on all types of crops and crops, as well as organic farming and export crops. It is 100% safe, pre-harvest period zero (PHI ZERO), and compliant with the regulations of the European Union as well as the organization (GAP).

Saponins, & natural extracts	12.2%
Copper	1.68%
Potassium	4.3%
Amino acid	3.3%
Carboxylic acids	10%
Unsaturated fatty acids	15%
Natural extracts oils	35%
Water soluble Boron	0.8%
Inert Ingredients -Other materials	18.22%

PHI ZERO

Benefits and advantages of Nemastop

Nemastop topical nematicide, used topically on the soil, highly toxic to nematodes, fast acting and safe for humans.

Nemastop works against many types of nematodes such as root-knot nematode, stunting nematode, root canker nematode, vesicles and kidney nematodes in many vegetable crops, field crops, fruit trees, palms, ornamental plants and the slow deterioration nematode in citrus.

Nemastop works on the moving larval stages of nematodes in the soil, and prevents them from attacking the roots of crops as long as the nematodes are exposed to the pesticide. It prevents the progression and increase of the infection of the roots and leads to the death of the nematodes.

Its applications are simple, safe, effective and at low rates.

Nemastop contains in its composition the mineral copper, which helps in the treatment of ulcers and molds that result from wounds caused by nematode infection of the roots.

Nemastop works to increase symmetry in plant growth and increase the quality of fruits.

Nemastop is a completely safe, multi-use natural organic compound that provides effective root protection against nematodes. It works to combat nematodes and avoid infection with them by raising the defensive immunity and systemic resistance acquired throughout the life of the plant or its life cycle and during its various stages of growth.

Nemastop does not have any residual effects on plants, fruits or soil and works to activate the root system and the formation of new root hairs, which leads to an increase in the efficiency of the roots in absorbing water and mineral elements from the soil, which is reflected positively on the growth and vitality of the plant.

Nemastop stimulates the plant to secrete natural plant hormones that regulate good plant growth. It also increases the quality of the fruits and the storage period.

Instructions and method of application

- Ensure the efficiency of the irrigation network.
- Measurement of EC and soil salinity.
- Treatment at a temperature of not less than 15 degrees and not more than 30 degrees.
- Preferably, the humidity should not be less than 70% before treatment.
- The plant should be fasted after treatment from 24:48 hours.
- Maintaining the soil pH range is close to neutral.
- Continuous disposal of weeds that cause a significant loss of water and fertilization.

Method of use and dosage

The dose is from 3-5 liters / feddan, according to the severity of infection in most plants, and it is repeated after 15 days.

Bananas are treated according to the severity of the infestation [first treatment of bananas 5 liters minimum].

Nemastop is added to the irrigation water by means of fertilizer after washing the irrigation network well in the quarter of an hour before the last of the irrigation period, then followed by another 15 minutes of water only to ensure that the compound reaches the target area, and it must not be irrigated after the treatment from 24-48 hours.

In the case of flood irrigation, it is preferable to add the compound one day after irrigation to the surface of the soil where the soil is saturated with moisture, and it is placed by using dorsal sprinklers or spray motors.

Nemastop is used by ground application (sprinkled on the ground), drip irrigation and overhead irrigation systems.

Ensure that the product has been mixed with water.



Dosage

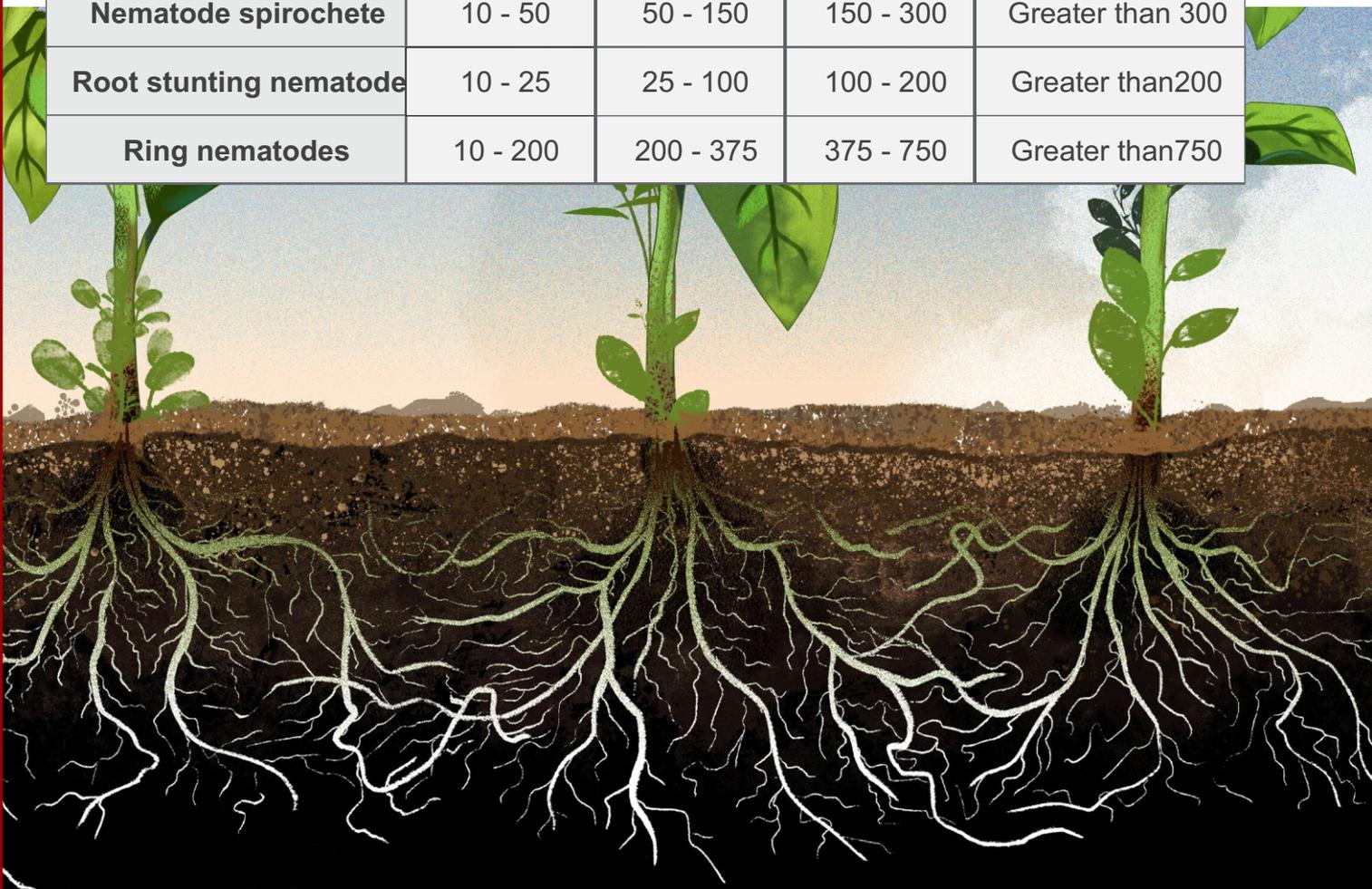
Crop	Dose per acre	Method of Addition
Grapes and fruit trees	3 – 5 L, according to the severity of the infection	Mid-march then a dose after 15 days, then another dose after the end of the harvest.
Strawberry seedling	3 liters	Twice with an interlude of 15 days
Strawberry	2.5 liters	A quantity of 2.5 liters per acre is given at the beginning of Mulch/ covering process, another dose is applied after 21 days with the quantity of 2.5 liters per acre. The doses shall be repeated, according to the severity of the infection
Vegetables in greenhouses and in open area	3 – 5 liters (According to the severity of infection)	A dose is given 3 days after planting the seedlings. The dose is repeated after 15 days. Then, it is repeated monthly.
Watermelon and cantaloupe	3 liters	A dose is given after one month of planting. A supplementary dose is provided 21 days later with the quantity of 3 liters per acre, as per the severity of the infection.
Banana	Supplant	First dose of 5 liters is given, and then a dose of 3 liters is given after 15 days within the month of April. Dosage repetition is according to the severity of the infection.
	Mother seedling	First dose of 5 liters is given, and then a dose of 3 liters is given after 15 days within the month of May. Dosage repetition is according to the severity of the infection.
Sugar beet	3 liters/ Acre	A dose is given one month after planting. Then, the dose is repeated after 15 days.
Peanuts	3 liters/ Acre	A dose is given one month after planting. Then, the dose is repeated after 15 days.
Tomatoes	3 liters/ Acre	A dose is given one month after planting. Then, the dose is repeated after 15 days.
Potatoes	3 liters/ Acre	A dose is given after ridging (incubation) with the quantity of 3 liters per acre. Another supplementary dose is given with the quantity of 3 liters per acre after 21 days, as per the severity.
Citrus fruits	5 liters/ Acre	The dose is repeated according to the severity of infection
Peaches	3 liters/ Acre	The dose is given during growth season, then it is repeated according to the severity of the infection
Colorful pepper	3 liters/ Acre	When the infection arises
Cucumber	3 liters/ Acre	A dose of 3 liters/ Acre is given after a week of planting. Then, it is repeated each 15 days, according to the severity of the infection.

Pre-harvest period (no) zero.

Critical numbers and limits for some species:

Table: shows the effect of numbers of some nematode species on crops by 250 larvae / 250 grams of soil..

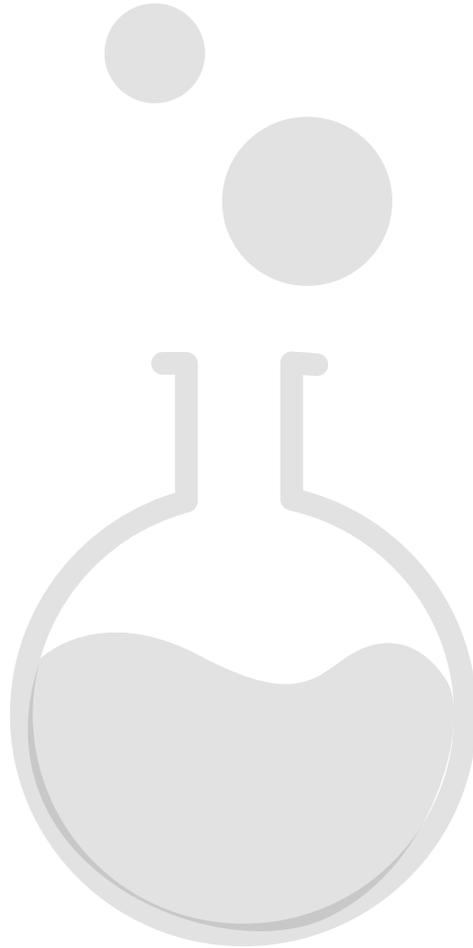
Nematode type	Low effect	Moderate effect	Severity stage	Very dangerous
Root complexity	25 - 100	100 - 200	200 - 375	Greater than 375
Canker roots	10 - 25	25 - 100	100 - 200	Greater than 200
Citrus nematode	25 - 100	100 - 200	200 - 375	Greater than 375
Xiphoid nematode	10 - 25	25 - 100	100 - 150	Greater than 150
Spiral nematode	10 - 200	200 - 375	375 - 750	Greater than 750
Nematode spirochete	10 - 50	50 - 150	150 - 300	Greater than 300
Root stunting nematode	10 - 25	25 - 100	100 - 200	Greater than 200
Ring nematodes	10 - 200	200 - 375	375 - 750	Greater than 750



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