



Environmentally Friendly
Nematicide

Soil Shot®

SPECIMEN LABEL

CAN BE USED FOR ORGANIC PRODUCTION

- For Use on Vegetables, Field Crops, Fruit, Citrus & Nut Crops, Berries, Nursery Crops and Turf.
- No Residues
- Not pH sensitive
- Zero reentry or preharvest interval
- Effective against most plant parasitic nematodes, symphylans (garden centipedes) and wireworms.

Active Ingredients	
Peppermint	8.5%
Garlic Oil	7.0%
Lemoin Juice	6.6%
Clove	5.8%
Total Active Ingredients	27.9%
Other Ingredients	
Acetic Acid, Bentonite, Carrageenan, Glycerin, Vitamin C, Purified Water	72.1%
Total	100.0%

This product meets the Program Standards set forth by the National Organic Program (NOP) final rule 7CFR Part 205.

This product has not been registered by the US Environmental Protection Agency. USAgritech, Inc. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Causes temporary eye injury and skin irritation. Do not get in eyes, on skin, or on clothing. Wear protective eye wear such as goggles, face shield, or safety glasses, and chemical resistant gloves. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

If on skin: Take off contaminated clothing, rinse skin immediately with plenty of soap and water for 15-20 minutes.

If swallowed - Call doctor or poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything to an unconscious person.

If inhaled - Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

If irritation persists, call a poison control center or doctor for further advice.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters.

DIRECTIONS FOR USE

General Information and Tips for Best Performance

Soil Shot® is a concentrate and is designed for use both in greenhouses and outdoors. Soil Shot® is intended to be mixed with water and applied with pressurized or power operated sprayers or delivered through drip irrigation systems. When diluting, it is recommended to add approximately half the water to the applicator tank, then add the proper amount of Soil Shot® Nematicide in accordance with the rate table, agitate, then add the remaining amount of water. Then thoroughly agitate the mixture to insure proper suspension. Soil Shot will remain in suspension once mixed.

Soil Shot® is prepared using USAgritech's proprietary NEO Biological Blending Technology and is to be used as a contact nematicide and preventative insect pest agent.

Soil Shot® can be tank-mixed with other products unless prohibited by the product label. A small volume test mix is recommended to ensure compatibility. Soil Shot® can cause a phytotoxic damage to green foliage in higher concentrations. If tank-mixed with another product a small scale test to ensure lack of phytotoxicity of the combination is recommended.

Minimum Time for Application to Harvest

Spraying or drip application of the product can occur up to the time of harvest on all intended crops.

ECOLOGICAL INFORMATION

Environmental Stability: The components of this product will decompose over time to generate other organic compounds.

Effect on Aquatic Life: This product has been tested for aquatic

CONTENTS - 1 GALLON (3.8 LITERS)
ALSO SOLD IN 5 GALLONS AND 250 GALLON TOTES

toxicity. Test results indicate this product will not cause harm to an aquatic environment.

Application Rates for Soil Shot®

For spray application rates see Table 1

Immediately follow application of Soil Shot with 1/2 in. of water to wash into soil.

For drip application rates see Table 2

Apply to soil that is with humidity level of 70% or more. After Soil Shot has cleared lines follow with enough water to wash down to root level.

DIRECTIONS FOR USE

Soil Shot® is a multi-purpose contact nematicide for both pre-plant treatment of soil and maintenance during plant growth to control nematodes, symphylans and certain soil borne diseases in cropland. Soil Shot® can also be used for treatment of nematodes in mature vines, rooted berries, root established vegetable crops, established nursery crops, trees, shrubs and turf grasses.

Soil Shot® soil nematicide also has fungicidal action may be applied as a pre-plant soil treatment to control or to aid in reducing the damaging effects of soil borne diseases: bacterial wilt, verticillium wilt, pink root; plant parasitic nematodes, symphylans (garden centipedes) and wireworms.

Application Directions

Soil Shot® can be applied at any time of the year when soil conditions permit.

Soil Moisture

It is important to manage soil moisture properly. The desired humidity of the soil prior to application is 70%. If using the feel system the soil should be moist from two inches below the surface the surface to at least the depth of the desire soil penetration. The surface generally dries quickly and should not be considered in this determination. If the soil is not moist enough the soil moisture needs to be adjusted prior to application of Soil Shot®. A very light irrigation to wet the top 1 to 2 inches of the soil is recommended immediately after application to bring soil moisture to the desired level and to prevent loss due to evaporation. This can be repeated, is possible, over the next day or two to ensure soil penetration to the desired depth.

“Feel Method” to determine acceptable moisture conditions in soil.

For coarse and moderately coarse soils (sand and loamy sand - fine sandy loam), there must be enough moisture to allow formation of a ball when compressed by hand which holds together with moderate disturbance but does not stick between thumb and forefinger. For clay loam and sandy clay, a ball should be pliable and not crumbly.

Soil Preparation

The soil should be free of clods. Plant residues should be thoroughly incorporated into the soil before application.

Application Method and Equipment

Soil Shot® can be sprayed on the surface of soil using a fine spray applicator or injected into a drip irrigation system at the rates on the appropriate tables. Complete coverage is essential for best performance.

Planting Interval

Leave the soil undisturbed and unplanted for at least 10 days

Table 1 - Spray Application Rates

Crop	Fl. Oz. per/gallon	Gallons/Acre
Vegetable Crops	2.5 oz to 3 oz	50 to 75
Field Crops	2.5 oz to 3.5 oz	50 to 100
Fruit, Nuts & Berries	2.5 oz to 3.5 oz	30 to 50
Nursery Crops	1.5 oz to 2.0 oz	50 to 75
Turf	2.0 oz	2 to 2.5 gallons/ 1000 sq. ft.

- 1 - For cyst forming nematodes increase dosage by 10 gallons per acre (fl. oz /1000 sq. ft.)
- 2 - For high organic soils increase application rate by 10 gallons per acre.
- 3 - To control symphylans apply during late summer or early fall.
- 4 - To suppress wireworms use dosage recommended for nematodes.

Table 2 - Drip Application Rates

Crop	Fl. Oz. per/gallon	ounces/ plant/ application
Vegetable Crops - preplant	2.0 oz to 3.0 oz	24-32
Vegetable Crops	2.0 oz to 2.5 oz	24
Grapes	2.0 oz	24
Berries	2.0 oz to 2.5 oz	12-16
Nursery Crops	1.5 oz to 2 oz	16-24

Varying of concentration and volume of application to accommodate different soil types and required depth of penetration is recommended for best results.

if planting seedlings with established root balls and 14 days if planting seeds.

Equipment

Thorough coverage of soil is required for best results. To achieve thorough coverage, use proper spray pressure, gallons per acre, nozzles, nozzle spacing, and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration. For best coverage use small droplets.

Clean application equipment by using enough plain water to thoroughly rinse the tank, flush filters and spray nozzles. Flush tank until clean and then turn on nozzles, rinsing with water until clean to the touch.

STORAGE AND DISPOSAL

Storage

Store in original UV protected packages only. In case of spill on floor or paved surfaces, hose off with clean water. Store at temperatures between 41°F to 85°F (5°C to 30°C).

Disposal

Wastes resulting from using this product may be disposed of on site. Dispose of empty bag in a sanitary land fill or by incineration, or if allowed by state and local authorities, by burning.

CONDITIONS OF SALE AND WARRANTY

USAgriTech, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. USAgriTech, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE. Critical and unforeseeable factors beyond USAgriTech's, Inc. control prevent it from eliminating all risks in connection with the use of this product. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather conditions, presence of other materials, drift to other crops or property, the manner of use or application, or failure to follow label directions will be assumed by the Buyer or User. Handling, storage and use of the product by Buyer and User are beyond the control of USAgriTech, Inc. In no case shall USAgriTech, Inc. be held liable for consequential, special or indirect damages resulting from

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