

Naturally Derived Parasitic Nematode Control

# Sesamin EC

## KEEP OUT OF REACH OF CHILDREN CAUTION

See enclosed booklet for complete Precautionary  
Statements and Directions For Use.

Active Ingredient	
Sesame Oil . . . . .	70.00%
Other Ingredients	
Lecithin . . . . .	30.00%
Total . . . . .	100.00%

### FIFRA 25(b) Exempt Pesticide

This product has not been registered by the United States Environmental Protection Agency. Brandt Consolidated, Inc., represents that it is exempt from registration under the Federal Insecticide, Fungicide and Rodenticide Act [FIFRA 25(b)] as a minimum risk pesticide. All ingredients contained in this formulation are contained in 40 CFR 152.25, as well as list 4A of the Federal Register.

PATENT PENDING

**NET CONTENTS: 2.5 GAL.**



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**BRANDT**

# DIRECTIONS FOR USE

## GENERAL INFORMATION

SESAMIN E.C. is a naturally derived nematocide for the control of parasitic nematodes on agricultural and ornamental crops. SESAMIN EC may be applied by ground spray applications, drip irrigation, overhead irrigation systems or fertigation systems.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It also contains specific instructions and exceptions pertaining to statements on this label about personal protective equipment (PPE). The requirements of this box only apply to uses of this product that are covered by the Worker Protection Standard.

### NO REENTRY INTERVAL

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and involves contact with anything treated such as plants or soil is: Long sleeved shirt, long pants, shoes and socks, chemical resistant gloves.

SESAMIN EC may be used for nematode for many crops including but not limited to:

**Legumes & Fruiting Vegetables:** Beans, Eggplants, Lentils, Peas, Peppers and Tomatoes.

**Bulb, Cole & Leafy Vegetables:** Broccoli, Cabbage, Cauliflower, Cucumbers, Lettuce and Onions.

**Root & Tuber Vegetables:** Carrots, Potatoes, Radishes, Turnips and Sweet Potatoes.

**Herbs & Spices:** Anise, Basil, Dill, Mint, Peppermint, Thyme and Oregano.

**Small Fruits & Berries:** Strawberries, Blackberries, Blueberries and Cranberries.

**Citrus, Pome, Stone and Tropical Fruits:** Apples, Apricots, Bananas, Lemons, Grapefruits, Pears, Plums, Prunes, Dates and Olives.

**Nuts:** Almonds, Cashews, Pecans, Pistachios and Walnuts.

**Field Crops:** Alfalfa, Cotton, Tobacco, Soybeans and Corn.

**Ornamental Crops:** Flowers, shrubs, small trees, etc

**Grasses:** Grown for seed or sod.

## APPLICATION RATES

### Ground Spray Application, Overhead Irrigation Systems and Fertigation

#### General Application Instructions

Start applications early in spring and continue until late fall depending on nematode pressure. Apply with a minimum of 20 gallons of water acre (1/2 gal/1000 sq. ft.) so that uniform distribution is achieved in the soil profile. SESAMIN EC can be applied with NPK starter fertilizer early in the growing season or just prior to planting. SESAMIN EC may also be applied with Nitrogen products to promote top growth if be desired. Do not apply SESAMIN EC when the soil has become saturated with water. For best results do not tank mix with soil wetter/surfactant chemistries, this can cause the active ingredient to be pushed below the root the zone.

#### Large Area Application Instructions

For large area applications where ground spray equipment or overhead irrigation may sufficiently spray the underlying soil around the plants root zone apply monthly at a rate of of 1 gallon/acre (3.5 fl. oz. per 1000 sq. ft.). For plants with deeper root system (ie. trees, shrubs, etc.) an increased application rate and spray volume may be beneficial to push the product throughout the entire root zone. Additional applications can be made as needed if heavy nematode infestation is present, heavy or persistent rainfalls occur, or during heavy irrigation cycles with soil wetter/surfactant chemistries are being applied.

#### Small Area Application Instructions

Mix 1.3 to 2.6 fl. oz. per gallon of water (1-2% solution) and apply at the base of the plant(s) and the surrounding area (at least 2' diameter beyond the plant base). Spray soil until soil or ground cover is moist, do not over saturate. Monthly applications are recommended, bi-weekly applications may be made as needed. For plants with deeper root system (ie. trees, shrubs, etc.) an increased application rate and spray volume may be beneficial to push the product throughout the entire root zone.

#### Irrigation Systems

SESAMIN EC may be applied through micro sprinkler or drip irrigation systems. SESAMIN EC should be injected to deliver 3.5 fl. oz. per 1,000 sq. ft. every 2 to 4 weeks

depending on nematode pressure. Apply at the end of the irrigation cycle to allow product stay in root zone as long as possible. For plants with deeper root system (ie. trees, shrubs, etc.) an increased application rate and spray volume may be beneficial to push the product throughout the entire root zone. Flush lines with just enough water to remove all product. Excessive irrigation after application may wash product below the root zone resulting in poor efficacy. When being applied by drip only, calculate the acreage under drip rather than the field. Do not store premixed product.

## CAUTION

Although SESAMIN EC has been found to be extremely safe, the risk of phytotoxicity is the highest in the late afternoon or evening, particularly in warmer weather. SESAMIN EC contains high concentrations of sesame oil, which is highly toxic to nematodes. Do not apply to areas where beneficial nematodes have been recently introduced.

## MIXING INSTRUCTIONS

**SHAKE WELL BEFORE USING.** Fill the spray tank 1/2 full and start the recirculation or agitation system. Add fertilizer if desired. Add the desired amount of SESAMIN EC and the remaining amount of water and allow to mix thoroughly. Apply spray solution in properly maintained and calibrated equipment capable of delivering the desired volumes. SESAMIN EC is compatible with most NPK fertilizer solutions and pesticides targeting the same target root zone. Avoid mixing with soil wetter/surfactant chemistries and with pesticides and chemistries that require excessive watering in, this may cause the active ingredient to be pushed below the root zone. A jar test is a good field practice for evaluating compatibility of multiple chemical mixtures.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid breathing spray mists or vapors. Wash thoroughly with soap and water after handling.

Avoid contamination of feed or foodstuffs.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** long-sleeved shirt and long pants, socks, shoes, gloves, and protective eyewear.

### 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 cleaning equipment or disposing of equipment washwaters.

## FIRST AID

**IF SWALLOWED:** Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**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 eye. Call a poison control center or doctor for treatment advice.

**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. Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Contains petroleum distillate. Do not induce vomiting, may pose aspiration pneumonia hazard.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in a cool, dry, locked area out of reach of children. Protect from excessive heat. Keep container tightly closed in storage to prevent entry of water.

**PESTICIDE DISPOSAL:** Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by open burning.

## CONDITIONS OF SALE

Seller's guarantee shall be limited to contents and merchantability of the product and the terms of the label and subject thereto. The buyer assumes any risks to persons or property arising out of use or handling. Because the time, place, rate of applications and other conditions of use are beyond seller's control, seller's liability from storage, handling and use of this product is limited to replacement of product or refund of purchase price.