Essentria®
All Purpose
Insect Concentrate

KILLS: Crawling and Flying Insect Pests

FOR USE: Indoors, Outdoors, Fogging, Turf and Ornamental, On Animal and Mosquito Misting Applications, Golf Courses, Vegetables, Fruit Trees (Both Bearing and Non-Bearing), Pasture and Range, Nursery and Greenhouse

ACTIVE INGREDIENTS:
- Rosemary Oil 10%
- Peppermint Oil 2%

INERT INGREDIENTS*:
- 88%

TOTAL: 100%
* Benzyl Alcohol, Bisabolol, and Evening Primrose Oil

KEEP OUT OF REACH OF CHILDREN

CAUTION

Net Contents: 1 GAL SHAKE WELL BEFORE USING.

FIFRA 25(b) Exemption

ZOEC® (ZOECON) Technology

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Essentria®
All Purpose
Insect Concentrate

PRECAUTIONARY STATEMENTS

CAUTION – May cause eye and skin irritation. Avoid contact with eyes, skin and clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Potential handling concentrations are recommended to wear:

- Protective eyewear
- Chemical resistant gloves made of neoprene, nitrile or natural rubber

USER SAFETY RECOMMENDATIONS: User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if the product gets inside. Wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of the gloves before removing.

PHYSICAL AND CHEMICAL HAZARDS: Do not use, pour, spill or store near heat or open flame. Store only in original container.

NOTE: The total number of pages must be divisible by four (4). The maximum number of pages for this book is forty (40) pages.
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 eye.
- Call a physician if irritation persists.

IF ON SKIN  
- Wash exposed area thoroughly with soap and water.
- IF INHALED  
  - Move exposed person to fresh air.
  - IF breathing problems persist, get medical attention.
- IF INGESTED  
  - Rinse mouth out with water.
  - Do not induce vomiting.
  - Obtain medical attention if feeling sick or nauseous.

Seek medical attention if necessary.

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE CALL:  
CHEMTEX 1-800-424-8800
FOR MEDICAL EMERGENCIES ONLY, CALL: 1-800-246-7763
KEEP ALL INSECTICIDES OUT OF REACH OF CHILDREN

DIRECTIONS FOR USE
READ ENTIRE LABEL — USE IN ACCORDANCE WITH LABEL INSTRUCTIONS
- For food processing operations, use in and around buildings and structures as well.
- Outdoor areas: See label instructions.

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which conforms to CFR 21 (especially section 172.884) is required (such as ExxonMobil’s Isopar® M, Ashland’s Low Odor Base Solvent or the equivalent). Tank mix applications must be made in accordance with the more restrictive of cultivated limitations and precautions. No label designs may be exceeded. This product cannot be tank mixed with any product with label prohibitions against such mixing.

**INDOOR USE**

Before applying to house plants, test for phytotoxicity. Cover any aquaria prior to spraying.

**GENERAL PEST CONTROL:** To control accessible, exposed stages of crawling insects including, but not limited to, ants, bed bugs, cockroaches, caddisflies, cigarette beetles, dark mealworms, dried fruit beetles, dragstrip beetle, confused flour beetles, flies, grain mites, lice, mites, millipedes, PS as lady beetles, red flour beetles, rice weevils, saw-toothed grain beetles, scorpion, spiders, spider beetles, yellow mealworms on silts that include, but are not limited to, apartments, homes, restaurants, food processing plants, industrial installations and warehouses, dilute at the rate of up to 0.5-6 fluid ounces per gallon of water (see lower rate for maintenance service and higher rates for active infestations). Thoroughly spray non-visible areas where these insects are usually found with special attention to cracks and crevices, alcoves, dark corners, drains and other harborage sites. Mix Essentra® All Purpose Insect Concentrate at a rate of 1 to 3 fluid ounces per gallon of water, when treating for flies. Thoroughly apply as a fine particle broadcast spray to infested rugs, carpets, furniture, and other pets. Setting areas. Remove all pet bedding and replace with clean, fresh bedding after treatment. When treating for bed bugs, thoroughly clean and vacuum all mattresses and springs prior to treatment. When treating for bed bugs, mix Essentra® All Purpose Insect Concentrate at a rate of 1 to 6 fluid ounces per gallon of water. Thoroughly clean, vacuum, and sanitize mattress and bedding. Thoroughly apply as a fine particle broadcast spray, paying special attention to cracks and crevices, around baseboards, floorboards, headboards, nightstands, walls, and other harborage areas. On mattresses, you may apply a broadcast treatment, concentrating on the beds, seams, folds, and seams. Repeat as necessary.

**FOGGING:** To control crawling and flying insects (moths and flies, including house flies, horse flies, stable flies, horn flies, mosquitoes, gnats, fruit flies, phorid flies, granary weevils, rice weevils, confused flour beetles, saw-toothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, angoumois grain moths, Mediterranean flour moths, Indian meal moths, tobacco moths, yellow mealworms, dark mealworms, grain mites, caddisflies, red flour beetles, etc.) in sites that include, but are not limited to, food processing plants, (INCLUDING USDA INSPECTED FACILITIES), industrial installations, animal quarters (cotton bales, horse barns, poultry barns, swine houses, zoos and warehouses). Essentra® All Purpose Insect Concentrate may be applied as a space spray through conventional fogging equipment misting systems (including mist sprayers and mist blowers), automated sprayer systems, and for rolled applications technologies. Cover sensitive surfaces (plastics, etc.) Close and shut off air conditioning or ventilating equipment. Mix 4 to 10 fluid ounces of Essentra® All Purpose Insect Concentrate insecticide with sufficient oil to equal 1 gallon of diluted spray. (It is recommended to use lower rates in

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OUTDOOR USE

PERIMETER TREATMENTS AND RECREATIONAL AREAS: To control aphids, ants, bees, boxelder bugs, centipedes, cockroaches, crickets, darkling beetles, fire ants, flies, ground beetles, soil mites, millipedes, pillbugs, earwigs, silverfish, sowbugs, spiders, ticks and wasps, in compressed air sprayers, dilute 1 to 2 fluid ounces of Essentria® All Purpose Insect Concentrate per gallon of water (use lower rate for maintenance service and higher rate for active infestations) and apply at the rate of 2 gallons per 1,000 square feet or until area is thoroughly wet. Also apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to buildings. Treat the building foundation to a minimum height of 2 to 3 feet with sufficient water for coverage. Make special efforts to spray areas where pest species congregate such as, but not limited to, waste receptacles, dumpsters, unoccupied picnic tables, the exterior of food handling establishments, and food storage areas. Additionally, apply around potential entry areas such as, but not limited to, eaves, windows, doorways, porches, porch lights, and around utility boxes. For power sprayers, mix approximately 1 to 6 fluid ounces of Essentria® All Purpose Insect Concentrate per gallon of water (use lower rate for maintenance service and higher rate for active infestations) and apply until area is sufficiently covered (usually min. 4 gallons per 1,000 square feet). When power spraying, it may be possible to batch mix 8 to 12 fluid ounces of Essentria® All Purpose Insect Concentrate into 50 gallons of water. When using this method, monitor application for desired performance. Maintain agitation. Repeat as necessary.

GROUND DRENCH METHOD - FOR CONTROL OF FIRE ANTS AND OTHER MOUNDING ANTS: Dilute 2 to 4 fluid ounces of Essentria® All Purpose Insect Concentrate per gallon of water. Apply 1 to 2 gallons of solution to each mound area by spraying the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12 inches. For best results, apply in cool weather, such as the early morning or late evening hours, but not in the heat of the day.

Mosquito CONTROL and OTHER BITING FLIES - OUTDOOR YARD or BARRIER TREATMENTS: To control adult mosquitoes and other biting flies using ground application, dilute 1 to 3 fluid ounces of Essentria® All Purpose Insect Concentrate per gallon of water. Treat harborage areas such as shrubbery and vegetation where mosquitoes/flies may rest. Shrubbery and vegetation around stagnant pools, marshy areas, ponds and swales may be treated. Repeat as necessary.

Mosquito CONTROL and OTHER BITING INSECTS - AUTOMATIC SPRAYING SYSTEMS: Automatic spraying systems must not be programmed to release pesticides where food or feed is directly exposed. To control flies, house flies, horn flies, stable flies, horse flies, mosquitoes and gnats, add concentrate to tank and add water to obtain desired dilution. Agitate well while adding water, and maintain thorough agitation while system is in use. In automatic spraying systems like, but not limited to, misting systems used for mosquito and other...
Diluting insect control solutions of Essentria® All Purpose Insect Concentrate may be stored for extended periods of time, as long as the system has agitation and the appropriate quantity of adherent is used.

Dilute the concentrate through a pressurized, automatic, high-capacity sprayer system. Set nozzles to deliver one fluid ounce of liquid per minute. Locate nozzles to cover a maximum of 2,000 cubic feet of space per nozzle. Set timer to operate in accordance with equipment directions. Dilute Essentria® All Purpose Insect Concentrate at the rate of 0.5 to 3 fluid ounces per gallon of water (use lower dilution rates for preventative applications).

To control spiders, flying insects, and other nuisance pests on and around boat docks: As an aid in the elimination of their harborage areas, dilute 2 to 6 fluid ounces of Essentria® All Purpose Insect Concentrate per gallon of water and apply at the rate of 2 gallons per 1,000 square feet, or until area is thoroughly wet. Since flying insects can migrate in and out of the treatment area, it is recommended to use this product as part of an Integrated Pest Management (IPM) program. This includes, but is not limited to, eliminating breeding and harborage sites.

Use on turf and grass: Use one as a contact spray. To control ants, armyworms, billbugs, chinch bugs, chigoes, crickets, cutworms, earwigs, flies, grasshoppers, hypodermis weevils (adults), Japanese beetles (adults), mole crickets, sod webworms and ticks, dilute a compressed air sprayer (or backpack) 2 to 4 fluid ounces of Essentria® All Purpose Insect Concentrate per gallon of water and apply at the rate of 2 to 4 gallons per 1,000 square feet, or until area is thoroughly wet. For power sprayers, apply approximately 1 to 6 fluid ounces of Essentria® All Purpose Insect Concentrate per 1,000 square feet in 2 to 4 gallons of water. Apply until area is sufficiently covered. Exceeding 500 fluid ounces per gallon of water may create potential phytotoxicity of turf surfaces.

**USE ON NON-BEARING TREES AND SHRUBS:** To control mites, scale insects, mealybugs, aphids, leaf bugs, whiteflies, tent caterpillars, bagworms and beetles, dilute up to 1 to 6 fluid ounces of Essentria® All Purpose Insect Concentrate per gallon of water and apply using a compressed air sprayer or power sprayer until foliage is thoroughly wet. Maintain agitation.

Exceeding rates may create potential phytotoxicity on plant surfaces. Dilute with enough water to obtain thorough coverage.

**DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:** Use to control or temporarily reduce annoyance from accessible stages of mosquitoes, flies, house flies, gnats, deer flies, horse flies, hornets, wasps, yellow jackets, fire ants, small flying moths, earwigs, flies, ticks, crickets, cockroaches, silverfish, spiders and other nuisance insects. If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be cleaned. Securely attach the end-use pesticide label and a dilution statement to the system reservoir tank in a weather-protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds __ parts Essentria® All Purpose Insect Concentrate to __ parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end-use label to the pesticide container in a weather-protected area or plastic sleeve. Only use this product in residential misting systems that have been calibrated to apply no more than the maximum application rate of 9.5 fluid ounces solution per 1,000 cubic feet per day. Mix ½ gallon to 2 gallons (64 fluid ounces to 256 fluid ounces) of water to 1 gallon to 32 gallons of water.

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LIVESTOCK USE DIRECTIONS

<table>
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<tr>
<th>USE</th>
<th>INSECTS</th>
<th>DILUTION (Essentia® All Purpose Insect Concentrate)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livestock Spray (Beef, Cattle, Swine, Goats and Sheep)</td>
<td>To control flying insects, including but not limited to flies, horse flies, deer flies, stable flies and ants in the control of Face Flies</td>
<td>1 to 3 fl oz per gal of water or mineral oil USP</td>
<td>Dilute as indicated. Direct spray to cover thoroughly. Repeat as necessary. No additional insecticide is required. Take care that the spray does not come in direct contact with the livestock's eyes or eyes. Ensure that the spray is applied to the animal in sufficient amounts for proper coverage. There is no withholding period from last application to slaughter.</td>
</tr>
<tr>
<td>Birds and Lice</td>
<td>1 to 3 fl oz per gal of water or mineral oil USP</td>
<td>Apply as above</td>
<td></td>
</tr>
<tr>
<td>Horses</td>
<td>To control flying insects, including but not limited to flies, horse flies, deer flies, stable flies and ants in the control of Face Flies</td>
<td>1 to 3 fl oz per gal of water or mineral oil USP</td>
<td>Dilute as indicated and spray directly on the animal in sufficient amounts for proper coverage. There is no withholding period from last application to slaughter.</td>
</tr>
</tbody>
</table>

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### DIRECTIONS FOR USE IN AUTOMATIC MISTING AND ULV SPRAYING SYSTEMS:

In areas such as animal quarters, dairy and beef barns, poultry houses, swine housing, warehouses, zoos and other listed livestock or animal housing areas, to kill flies, house flies, horn flies, stable flies, deer flies, horse flies, mosquitoes, gnats, hornets, wasps, yellow jackets, firebrats, small flying insects, earwigs, fleas, ticks, crickets, cockroaches, silverfish, spiders and other listed insects: Mix 1/2 gallon (64 fluid ounces) of concentrate into 55 gallons of water. For high populations of insects or where treating species that are difficult to control, mix up to 2 gallons (256 fluid ounces) of concentrate in 65 gallons of water.

When filling tank, partially fill the system reservoir tank with water, add concentrate to tank, then add water to obtain desired dilution. System nozzle should deliver fine particle size droplets (aerosol or mist). Nozzles should be rated for a delivery rate not to exceed 1.25 fluid ounces (37 ml) of solution per minute, with one nozzle covering 100 square feet (9.3 m²). Set system timer for

### NOTES:
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### CRUROS INCLUDING, BUT NOT LIMITED TO

<table>
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<tr>
<th>CRUROS</th>
<th>INSECTS/WEBS INCLUDING, BUT NOT LIMITED TO</th>
<th>APPLICATION RATE IN 100 GALLONS PER ACRE</th>
<th>RECOMMENDEDieri</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baked Peas (and lentils)</td>
<td>Aphids and Ants</td>
<td>1/2 - 2/3 of total liquid</td>
<td>4 - 6 ft per gallon</td>
</tr>
<tr>
<td>Mushroom Houses</td>
<td>Mushroom Mites (Porvullia and Sclavio)</td>
<td>1 - 2 ft per gallon</td>
<td>3 - 4 ft per gallon</td>
</tr>
</tbody>
</table>

For aerial applications, use a minimum of 15 gallons of spray volume per acre. Complete coverage of foliage is essential to achieve control. The foliage should be completely WET, but avoid runoff. The use of a spreader and/or penetrant can enhance improvements product performance.

**PESTS CONTROLLED THROUGH DRIIP IRRIGATION**

- Onions (Bulb and Green), Parsnips, Potatoes, Sweet Potatoes, Spinach, Strawberries, Sugar Beets, Sweet Corn, Tomatoes.

Apply Essentria® All Purpose Insect Concentrate through the drip irrigation systems at a rate of 2 pints per acre of plant bed as a preventative treatment or, when pest infestation is low to moderate and 4 pints per acre of plant bed when pest infestation is high. Apply 2 to 3 applications of Essentria® All Purpose Insect Concentrate a week and then reduce to 1 application every 2 weeks after flowering.

Essentria® All Purpose Insect Concentrate can be applied at any time during the crop cycle, from the time of planting to the 2nd harvest and there are no restrictions on the number of applications per season. For drip irrigation systems, set the emitter spacing and the line pressure to give the best bed coverage and reduce loss of chemical products through leaching.

**USE RATES FOR ANY PLANTS GROWN INDOORS OR IN GREENHOUSES, SHADENHOUSES, INTERIORSCAPES, AND NURSERIES**

Spray when pests first appear. Repeat application every 7-21 days.

<table>
<thead>
<tr>
<th>BED WIDTH</th>
<th>LINEAR FEET OF BED TO EQUAL ONE ACRE</th>
<th>ESSENTRIA®, 2 P/LG/ACRE</th>
<th>ESSENTRIA®, 4 P/LG/ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 INCHES</td>
<td>12,000 ft</td>
<td>2.8 ft</td>
<td>4.6 ft</td>
</tr>
<tr>
<td>12 INCHES</td>
<td>12,000 ft</td>
<td>2.5 ft</td>
<td>3.8 ft</td>
</tr>
<tr>
<td>18 INCHES</td>
<td>12,000 ft</td>
<td>2.2 ft</td>
<td>3.6 ft</td>
</tr>
</tbody>
</table>

**PLANT TOLERANCE**

Essentria® All Purpose Insect Concentrate has been evaluated for phytotoxicity on a wide range of ornamental plants. However, due to the large number of species and varieties of ornamental plants, it is impossible to test every one for tolerance to Essentria® All Purpose Insect Concentrate. The professional user should determine if Essentria® All Purpose Insect Concentrate could be used safely prior to commercial use. In a small area, test the recommended rates on
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ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR
HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT,
NEGLECT, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED
THE PURCHASE PRICE PAID, OR AT CENTRAL GARDEN & PET COMPANY'S
ELECTION, THE REPLACEMENT OF PRODUCT.

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ACTIVE INGREDIENTS:
Rosemary Oil ........................................... 10%
Peppermint Oil ......................................... 2%

INERT INGREDIENTS** ................................ 88%

TOTAL: .................................................. 100%
*Rosemary Myristate, Neopropyl Alcohol, Polysorbate 20, Bufy Lactate and Vanillin

KEEP OUT OF REACH OF CHILDREN
CAUTION
See inside label booklet for additional PRECAUTIONARY STATEMENTS.

SHAKE WELL BEFORE USING.

NET CONTENTS: 1 GALLON

Manufactured for:
Centkill Sciences & Pet Company
1501 East Woodfield Rd. Deerfield
Schaumburg, Illinois 60173

5" BASE TEXT
(Underneath Book)