



# essentria™ All Purpose

**INSECTICIDE CONCENTRATE**

**Kills: Crawling and Flying Insect Pests**

## Safe and Effective\*

Quick Control with residual protection

Multi-purpose: for indoor, outdoor, 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

Contains natural essential plant oils with fresh scent

### ACTIVE INGREDIENTS

Rosemary Oil .....10.0%  
Peppermint Oil ..... 2.0%

**OTHER INGREDIENTS\*\* ..... 88.0%**

**TOTAL .....100.00%**

\* If used as directed

\*\* Isopropyl Myristate, Isopropyl Alcohol,  
Polyglyceryl Oleate, Butyl Lactate and Vanillin



**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See inside label booklet for additional  
PRECAUTIONARY STATEMENTS.

For Chemical Spill, Leak, Fire, or Exposure,  
Call: CHEMTREC 1-800-424-9300  
For Medical Emergencies Only, Call: 866-257-4118

Envincio LLC  
2155 West Croft Circle  
Spartanburg, SC 29302

**Net Contents: 1 U.S. Gallon**



 **envincio**



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## KEEP OUT OF REACH OF CHILDREN CAUTION

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. **(TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

See inside label booklet for **FIRST AID** and **PRECAUTIONARY STATEMENTS**.

\*When used as directed

#### FIFRA 25(b) Exemption

This product has not been registered by the United States Environmental Protection Agency. Envincio LLC represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act.

Octopamine Blocker™ TECHNOLOGY



Manufactured for Envincio LLC  
2155 W. Croft Circle, Spartanburg, SC 29302

# DIRECTIONS FOR USE

## READ ENTIRE LABEL — USE IN ACCORDANCE WITH LABEL INSTRUCTIONS

Food processing operations may continue when this product is applied as a surface spray with care and in accordance with the directions and precautions given below.

### SHAKE WELL BEFORE USING

Maintain agitation in all spray systems. Essentria All Purpose Insect Concentrate is intended for use in and around buildings and structures as well as modes of transport.

**INDOOR USE AREAS:** Includes, but is not limited to, apartment buildings, bakeries, beverage plants, bottling facilities, breweries, cafeterias, candy plants, canneries, cereal processing and manufacturing plants, dairy barns, poultry facilities, flour mills, food processing plants, frozen food plants, homes, hospitals, hotels, houses, industrial buildings, kennels, kitchens, laboratories, manufacturing facilities, mausoleums, meat processing and packaging plants, meat and vegetable canneries, motels, nursing homes, office buildings, restaurants, schools, stores, supermarkets, warehouses and similar structures.

**OUTDOOR AREAS:** Includes, but is not limited to, building foundations, dairy facilities, drive-in restaurants, drive-in theaters, golf courses, parks, playgrounds, poultry houses, recreational areas, schools, urban areas, lawns, landscape areas, trees, turf and zoos.

**MODES OF TRANSPORT:** Aircraft, buses, trucks, trailers, rail cars and marine vessels.

**NOTE:** For sensitive indoor/outdoor surfaces such as vinyl, plastic, fabric, wood floors, etc. test a small non-visible area first before spraying. This includes vinyl siding, outdoor furniture, storm doors and windows, etc. It is possible that Essentria All Purpose Insect Concentrate may mar some sensitive surfaces. If spray gets on any sensitive surface that is listed, simply rinse with water and wipe off with clean cloth. Essentria All Purpose Insect Concentrate may be diluted with water or oil and applied with conventional application equipment including, but not limited to, compressed air sprayers and power sprayers. When diluting with water, prepare only the amount needed for immediate use and maintain agitation during use. Do Not Store Spray Solution Overnight. For oil dilutions that are applied in food handling establishments, a deodorized petroleum oil which conforms to CFR 21 (especially section 172.884) is required (such as Exxon Isopar M, Ashland Low Odor Base Solvent or the equivalents). Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label dosages may be exceeded. This product cannot be tank mixed with any product with label prohibitions against such mixing.

Most effective results are achieved when used as part of a treatment protocol that includes physical, environmental and other chemical pest control measures.

### 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, cadelles, cigarette beetles, dark meal worms, dried fruit beetles, drugstore beetles, confused flour beetles, fleas, grain mites, fowl mites, mites, nuisance beetles (such as lady beetles), red flour beetles, rice weevils, saw-toothed grain beetles, scorpions, spiders, spider beetles, yellow meal worms in sites 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 to 6 fluid ounces of Essentria All Purpose Insect Concentrate per gallon of water (use 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, niches, dark corners, drains and other harborage sites. When treating for bed bugs thoroughly clean and vacuum all mattresses and springs prior to treatment. Mix Essentria All Purpose Insect Concentrate at a rate of 1 to 6 ounces per gallon of water, when treating for Fleas. Thoroughly apply as a fine particle broadcast spray to infested rugs, carpets, furniture, and other pet resting areas. Old pet bedding should be removed and replaced with clean, fresh bedding after treatment. When treating for bed bugs mix Essentria All Purpose Insect Concentrate at a rate of 1 to 6 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 tufts, seams, folds, and creases. 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 meal worms, dark meal worms, grain mites, cadelles, red flour beetles, etc.) in sites that include, but are not limited to, food processing plants, (INCLUDING USDA INSPECTED FACILITIES), industrial installations, animal quarters (cattle barns, horse barns, poultry barns, swine houses, zoos and warehouses), Essentria All Purpose Insect Concentrate may be applied as a space spray through conventional fogging equipment misting systems (including mist sprayers and mist blowers), automated spray systems, and/or related application technologies. Cover sensitive surfaces (plastics, etc). Close and shut off air conditioning or ventilating equipment. Mix 4 to 10 ounces of Essentria All Purpose Insect Concentrate insecticide with sufficient oil to equal 1 gallon of diluted spray. (It is recommended to use lower rates in most food facility applications). Apply at a rate of 1 to 3 fluid ounces per 1000 cubic feet, filling the room with mist (or fog, if thermal equipment is used). Keep area closed for at least 15 minutes. Vacate treated area. Ventilate before reoccupying. Fogging may create slippery conditions on painted floor surfaces. Retreat if reinfestation occurs.

The product does contain plant oils that are inherently fragrant. When used in confined spaces, prolonged exposure to the fragrance may be objectionable to some individuals.

## OUTDOOR USE

**PERIMETER TREATMENTS AND RECREATIONAL AREAS:** To control aphids, ants, bees, boxelder bugs, centipedes, cockroaches, crickets, darkling beetles, firebrats, fleas, ground beetles, fowl mites, mites, millipedes, pillbugs, scorpions, silverfish, sowbugs, spiders, ticks and wasps. In compressed air sprayers, dilute 1 to 8 ounces of Essentria All Purpose Insect Concentrate per gallon of water (use lower rate for maintenance service and higher rates for active infestations) and apply at the rate of 2 gallons per 1000 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 pavilions. 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 ounces of Essentria All Purpose Insect Concentrate per gallon of water (use lower rate for maintenance service and higher rates for active infestations) and apply until area is sufficiently covered (usually min. 4 gallons per 1000 square feet.). When power spraying it may be possible to batch mix 8 to 12 ounces of Essentria All Purpose Insect Concentrate into 50 gallons of water. When using this method application should be monitored for desired performance. Maintain agitation. Repeat as necessary.

**MOUND DRENCH METHOD - FOR CONTROL OF FIRE ANTS AND OTHER MOUNDING ANTS:** Dilute 2 to 4 ounces of Essentria All Purpose Insect Concentrate per gallon of water. Apply 1 to 2 gallons of emulsion to each mound area by sprinkling 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 TREATMENT:** 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. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines 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 biting 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 adjuvant is used.

Dispense diluted concentrate through automatic spraying system. Set nozzles to deliver one 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 just prior to use at 0.5 to 3 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 8 ounces of Essentria All Purpose Insect Concentrate per gallon of water and apply at the rate of 2 gallons per 1000 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 alone as a contact spray. To control Ants, Armyworms, Billbugs, Chinch Bugs, Chiggers, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Hyperodes Weevils (adults), Japanese Beetles (adults), Mole Crickets, Sod Webworms and Ticks, dilute in a compressed air sprayer (or backpack) 2 to 4 ounces of Essentria All Purpose Insect Concentrate per gallon of water and apply at the rate of 2 to 4 gallons per 1000 square feet or until area is thoroughly wet. For power sprayers, apply approximately 1 to 6 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 rates may create potential phytotoxicity of turf surfaces.

**USE ON NON-BEARING TREES AND SHRUBS:** To control Mites, Scale Insects, Mealybugs, Aphids, Lace Bugs, Whiteflies, Tent Caterpillars, Bagworms and Beetles, dilute up to 1 to 6 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 including the Culex species that may carry and transmit the West Nile Virus, Flies, House Flies, Gnats, Deer Flies, Horse Flies, Hornets, Wasps, Yellow Jackets, Firebrats, Small Flying Moths, Earwigs, Fleas, Ticks, including Deer Ticks that may transmit Lyme Disease, 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 locked. 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 1/2 gallon to 2 gallons (64 fluid ounces to 256 fluid ounces) of Essentria All Purpose Insect Concentrate in 55 gallons of water.

In automatic spraying systems like, but not limited to, misting systems used for mosquito and other biting 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 adjuvant is used.

For high populations of insects or when treating species that are difficult to control, mix up to 2 gallons of concentrate in 55 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 nozzles should deliver fine particle size droplets (aerosol or mist). Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas. Set system timer to operate in accordance with equipment directions.

## LIVESTOCK USE DIRECTIONS

USE	INSECT	DILUTION Essentria All Purpose Insect Concentrate	REMARKS
Livestock Spray (Beef Cattle, Swine, Goats and Sheep)	To control flying insects, including, but not limited to: Flies, House Flies, Deer Flies, Stable Flies and aids in the control of Face Flies	1 to 3 ounces per gal of water or mineral oil USP	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.
	Ticks and Lice	1 to 3 ounces per gal of water or mineral oil USP	Apply as above
Livestock Spray (Lactating Dairy Cattle)	To control flying insects, including, but not limited to: Flies, House Flies, Deer Flies, Stable Flies and aids in the control of Face Flies	1 to 3 ounces per gal of water or mineral oil USP	Dilute as indicated. Direct spray to cover thoroughly. Repeat as necessary. No milk discard is required. Care should be taken that the spray does not come in direct contact with the lactating cow's teats unless they are washed with an approved cleansing solution and dried before milking. Apply the spray at least 20 min. prior to milking or after milking has been completed.
	Ticks and Lice	1 to 3 ounces per gal of water or mineral oil USP	Apply as above



**LIVESTOCK USE DIRECTIONS**

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<b>USE</b>	<b>INSECT</b>	<b>DILUTION</b> Essentria All Purpose Insect Concentrate	<b>REMARKS</b>
Horses	To control flying insects, including, but not limited to: Flies, House Flies, Deer Flies, Stable Flies and aids in the control of Face Flies	1 to 3 ounces per gal of water or mineral oil USP	Dilute as indicated and spray directly on the animal in sufficient amounts for proper coverage.
Poultry	Bedbugs, Lice, Fleas, All Mites including Northern Fowl Mites.	1 to 3 ounces per gal of water or mineral oil USP	Spray roosts, roost poles, walls (especially cracks in walls), and nests or cages thoroughly. It is not necessary to remove poultry from the housing unit during treatment. This should be followed by spraying over the birds with a fine mist in sufficient amounts for proper coverage.

**PREMISE USE DIRECTIONS FOR LIVESTOCK FACILITIES**

<b>USE</b>	<b>INSECT</b>	<b>DILUTION</b> Essentria All Purpose Insect Concentrate	<b>REMARKS</b>
Residual Surface Spray	Flies, Gnats, Litter Beetles, Darkling Beetles (lesser meal worms) Mosquitoes, Spiders, Wasps	3 to 6 ounces per gal of water or mineral oil USP	Apply 1 gallon of dilution per 500 - 1000 sq. ft. Thoroughly cover walls, ceilings or other areas where pests rest or congregate in dairy barns, horse barns, poultry houses, swine buildings, livestock sheds, and other farm buildings.

**PREMISE USE DIRECTIONS FOR LIVESTOCK FACILITIES**

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<b>USE</b>	<b>INSECT</b>	<b>DILUTION</b> Essentria All Purpose Insect Concentrate	<b>REMARKS</b>
Larvacide	Maggots (fly larvae)	4 to 8 ounces per gal of water or mineral oil USP	Apply 1 gallon of dilution per 100 sq. ft. of droppings as a coarse spray. Repeat at 7 - 10 day intervals until droppings begin to cone up, then treat only "hot spots" (small areas found to have large number of maggots).

**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 Moths, Earwigs, Fleas, Ticks, Crickets, Cockroaches, Silverfish, Spiders and other listed insects: Mix ½ gallon (64 fluid ounces ) of concentrate into 55 gallons of water. For high populations of insects or when treating species that are difficult to control, mix up to 2 gallon (256 ounces) of concentrate in 55 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 nozzles 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 m<sup>2</sup>). Set system timer to operate in accordance with equipment directions.

In automatic spraying systems like, but not limited to, misting systems used for mosquito and other biting insect control, solution 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 adjuvant is used.

Personnel should vacate containment treatment areas while treatment is in progress. Treated areas should be thoroughly ventilated prior to re-entry by personnel.

**AGRICULTURE APPLICATION RATES**

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

<b>CROPS INCLUDING, BUT NOT LIMITED TO</b>	<b>INSECTS/MITES INCLUDING, BUT NOT LIMITED TO</b>	<b>APPLICATION RATE IN 100 GALLONS PER ACRE FOR GROUND APPLICATIONS</b>
Legume & Fruiting Vegetables Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes	Aphids, Whiteflies, Beetles, Two-Spotted Spider Mite, Plant Bugs, Thrips and Early Stages of Caterpillars	1.0 - 4.0 Pints
Bulb, Cole & Leafy Vegetables Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	Aphids, Whiteflies, Beetles, Two-Spotted Spider Mite, Plant Bugs, Thrips and Early Stages of Caterpillars	1.0 - 4.0 Pints For onions: Use 1.0 - 5.0 pints.
Cucurbits Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	Aphids, Whiteflies, Beetles, Two-Spotted Spider Mite, Plant Bugs, Thrips and Early Stages of Caterpillars	1.0 - 4.0 Pints
Root & Tuber Vegetables Carrots, Potatoes, Radishes, Sweet Potatoes, Turnips	Aphids, Plant Bugs, Potato Leafhoppers, Two-Spotted Spider Mite and Thrips	1.0 - 4.0 Pints
Alfalfa	Aphids, Leafhoppers, Plant Bugs, Thrips and Early Stages of Caterpillars	1.5 - 4.0 Pints
Herbs & Spices Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Wintergreen	Aphids, Leafhoppers, Plant Bugs, Thrips and Early Stages of Caterpillars	1.0 - 3.0 Pints
Small Fruits & Berries Blackberries, Blueberries, Cranberries, Raspberries, Strawberries	Aphids, Leafhoppers, Mealybugs, Whiteflies, Lygus Bugs, Thrips, Two-Spotted Spider Mite, Pacific Spider Mite, McDaniel Mite, European Red Mite and Early Stages of Leafrollers and Caterpillars	1.0 - 4.0 Pints
Grapes and Hops Grapes (Raisin, Table, Wine)	Leafhoppers, Sharpshooters, Two-Spotted Spider Mite, Pacific Spider Mite, Willamette Mite, Thrips, Mealybugs and Early Stages of Leafrollers and Caterpillars	1.0 - 4.0 Pints
Stone Fruits, Pome Fruits Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates and Persimmons	Aphids, Thrips, Leafhoppers, Psylla, Scales, Two-Spotted Spider Mite, Pacific Mite, McDaniel Mite, European Red Mite, Early Stages of Leafrollers and Caterpillars	1.0 - 4.0 Pints

## AGRICULTURE APPLICATION RATES

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

CROPS INCLUDING, BUT NOT LIMITED TO	INSECTS/MITES INCLUDING, BUT NOT LIMITED TO	APPLICATION RATE IN 100 GALLONS PER ACRE FOR GROUND APPLICATIONS
Citrus and Sub Tropicals Avocados, Lemons, Grapefruit, Oranges, Papayas, Bananas, Plantains, Mangos	Aphids, Thrips, Scales, Two-Spotted Spider Mite, Pacific Mite, Citrus Red Mite, Citrus Rust Mite, European Red Mite, Early Stages of Leafrollers and Caterpillars	2.0 - 5.0 Pints
Nuts Almonds, Cashews, Pecans, Pistachios, Walnuts	Aphids, Thrips, Two-Spotted Spider Mite, Pacific Mite, McDaniel Mite and European Red Mite	1.0 - 4.0 Pints
Field Crops Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco	Aphids, Soybean Aphid, Beetles, Whiteflies, Two-Spotted Spider Mite, Plant Bugs, Thrips, and Early Stages of Caterpillars	2.0 - 4.0 Pints
Christmas Trees Caution: Certain adjuvants may affect coloration of blue spruce	Mites and Aphids	1.0 - 4.0 Pints
Backyard Fruit and Nut Trees	Mites and Aphids	12 - 48 fl. oz. Use sufficient water to get thorough coverage.
Mushroom Houses	Mushroom flies (Phorids and Sciarids)	4 – 8 fl. oz. per gallon - Spray dilution on outside and inside walls, floors, and sideboards of mushroom houses after compost has been pasteurized by heating. Also spray over the plastic covering the beds and trays after spawning. Retreat as needed.

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 adjuvant improves product performance.

### PESTS CONTROLLED THROUGH DRIP IRRIGATION SYSTEMS

(including but not limited to): Cutworms, Wireworms, Root Maggots, Symphylans, and Crickets.

CROPS TREATED BY DRIP IRRIGATION (including but not limited to): Beets, Brussel Sprouts, Cabbage, Chinese Broccoli, Broccoli, Chinese Cabbage, Chinese Mustard, Cauliflower, Collard, Endive, Garlic, Ginseng, Kale, Melons (Cantaloupes, Casabas, Honeydew, Muskmelons, Persians, and Watermelons), Onions (bulb and green), Parsnips, Potatoes, Sweet Potatoes, Spinach, Strawberries, Sugar Beets, Sweet Corn, Tomatoes.

Apply Essentria All Purpose Insecticide 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 Insecticide Concentrate over a 7 to 14 day schedule. Refer to local extension recommendations for additional information regarding pest populations and thresholds.

BED WIDTH	LINEAR FEET OF BED TO EQUAL ONE ACRE	AP INSECTICIDE, 2 PINTS/ACRE RATE/1000 ROW FEET	AP INSECTICIDE, 4 PINTS/ACRE RATE/1000 ROW FEET
36 inches	14,520 ft.	2.2 fl. oz.	4.4 fl. oz.
48 inches	10,890 ft.	2.9 fl. oz.	5.9 fl. oz.
60 inches	8,712 ft.	3.7 fl. oz.	7.3 fl. oz.
72 inches	7,260 ft.	4.4 fl. oz.	8.8 fl. oz.

## USE RATES FOR ANY PLANTS GROWN INDOORS OR IN GREENHOUSES, SHADEHOUSES, INTERIORSCAPES, AND NURSERIES

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

### 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 a small number of plants for phytotoxicity prior to widespread use. Before using Essentria All Purpose Insect Concentrate in tank mixture with other products and adjuvants, test the mixture on a small number of plants for phytotoxicity prior to widespread use.

PESTS INCLUDING, BUT NOT LIMITED TO	FL. OZ./10 GAL SPRAY SOLUTION	FL. OZ./100 GAL SPRAY SOLUTION
APHIDS: Green peach aphids, Pea aphids, Cotton aphids, Rose aphids	2 - 4	20 - 40
BETLES: Flea beetles, Leaf beetles	2.0 - 4.8	20 - 48
EARLY STAGES OF CATERPILLARS: Armyworms, Leafrollers, Loopers, Webworms	1.6 - 3.2	16 - 32
FLIES: Fungus gnats, Shore flies	1.6 - 3.2	16 - 32
LEAFHOPPERS: Grape leafhoppers, Potato leafhoppers	1.6 - 3.2	16 - 32
LEAF MINERS: Azalea leaf miners, Citrus leaf miners, Blotch leaf miners, Boxwood leaf miners	1.6 - 3.2	16 - 32
MEALYBUGS: Citrus mealybugs, Long-tailed mealybugs	1.6 - 3.2	16 - 32
MITES: Two-Spotted Spider mite, Broad mite, Citrus budmite, Cyclamen mite, Rust mite	1.6 - 4.8	16 - 48
SOFT SCALES (Crawler Stages)	1.6 - 4.8	16 - 48
THRIPS: Western flower thrips	3.2 - 6.4	32 - 64
WHITEFLIES: Greenhouse whiteflies, Silverleaf whiteflies	1.6 - 3.2	16 - 32

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 adjuvant improves product performance.

## USE RATES FOR OUTDOOR PLANTS INCLUDING TREES, LANDSCAPES, NURSERY, AND ALL OUTDOOR ORNAMENTAL PLANTS

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

PESTS INCLUDING, BUT NOT LIMITED TO	FL. OZ./10 GAL SPRAY SOLUTION	FL. OZ./100 GAL SPRAY SOLUTION
APHIDS : Green peach aphids, Pea aphids, Cotton aphids, Rose aphids	2.0 - 4.0	20 - 40
BETLES: Colorado potato flea beetles, Japanese beetles, Leaf beetles, Mexican bean beetles, Rose chafers, Twig girders	3.2 - 6.4	32 - 64
BUGS: Boxelder bugs, Chinch bugs, Lygus bugs, Spittle bugs	1.6 - 4.8	16 - 48
EARLY STAGES OF CATERPILLARS: Armyworms, Cutworms, Fruitworms, Gypsy moths, Hornworms, Leafrollers, Navel orange worms, Pine tip moths, Sod webworms, Tent caterpillars, Tobacco budworms, Tussock moths	1.6 - 3.2	16 - 32
FLIES: Cherry maggots, Crane flies, Midges	2.0 - 4.0	20 - 40
LEAFHOPPERS: Variegated leafhoppers and Sharpshooters	3.2 - 6.4	32 - 64
LEAF MINERS: Azalea leaf miners, Citrus leaf miners, Blotch leaf miners, Boxwood leaf miners	1.6 - 4.8	16 - 48
MEALYBUGS: Apple mealybugs, Citrus meal bugs, Grape mealybugs	1.6 - 4.8	16 - 48
MITES: Two-Spotted spider mite, Broad mite, Citrus bud mite, Cyclamen mite, Rust mite	1.6 - 4.8	16 - 48
PSYLLIDS: Pear psylla	1.6 - 4.8	16 - 48
SAWFLIES: European pine sawflies, Pear sawflies, Red-headed pine sawflies, Yellow-headed pine sawflies.	1.6 - 3.2	16 - 32
CRAWLER STAGES OF SCALES: Black scales, Brown soft scales, California red scales, Coffee scales, Olive scales, San Jose scales	1.6 - 4.8	16 - 48
THRIPS: Citrus thrips, Onion thrips, Western flower thrips	3.2 - 6.4	32 - 64
WHITEFLIES: Greenhouse whiteflies, Silverleaf whiteflies, Woolly whiteflies	1.6 - 3.2	16 - 32

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 adjuvant improves product performance.

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Envincio, LLC's control it is impossible for Envincio, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVINCIO, LLC MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Envincio, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Envincio, LLC disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

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Essentria All Purpose Insecticide Concentrate is a trademark of Envincio, LLC.

**FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE CALL: CHEMTREC 1-800-424-9300**

**FOR MEDICAL EMERGENCIES ONLY CALL: 1-866-257-4118**

### **KEEP ALL INSECTICIDES OUT OF REACH OF CHILDREN**

<b>FIRST AID</b>	
<b>If IN Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a physician if irritation persists.</li> </ul>
<b>If ON Skin:</b>	<ul style="list-style-type: none"> <li>• Wash exposed area thoroughly with soap and water.</li> </ul>
<b>If INHALED:</b>	<ul style="list-style-type: none"> <li>• Move exposed person(s) to fresh air.</li> <li>• If breathing problems persist, get medical attention.</li> </ul>
<b>If INGESTED:</b>	<ul style="list-style-type: none"> <li>• Rinse mouth out with water.</li> <li>• Do not induce vomiting.</li> <li>• Obtain medical attention if feeling sick or nauseous.</li> </ul>
Seek medical attention if necessary.	

### **PRECAUTIONARY STATEMENTS**

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

#### **PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Persons handling concentrate 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.



# STORAGE & DISPOSAL

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

## **FOR CONTAINERS LARGER THAN ONE GALLON:**

**PESTICIDE STORAGE AND SPILL PROCEDURES:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with trash.

**CONTAINER DISPOSAL:** Triple rinse or its equivalent, then offer for recycling or reconditioning, or puncture and dispose of with ordinary trash.

## **FOR CONTAINERS ONE GALLON AND SMALLER:**

**STORAGE:** Store in original container in a dry cool place inaccessible to children and pets.

**DISPOSAL:** Do not reuse container. Discard in trash.

Envincio LLC

2155 W. Croft Circle  
Spartanburg, SC 29302

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U.S. Patent Nos. 6,004,569

U.S. and Foreign Patent Pending

Essentria is a trademark of Envincio LLC.



# All Purpose Insect Concentrate

INSECTICIDE CONCENTRATE

**Kills: Crawling and Flying Insect Pests**

## Safe and Effective\*

Quick Control with residual protection

Multi-purpose: for indoor, outdoor, fogging, turf and ornamental, nursery and greenhouse, on animal and mosquito misting applications, golf courses, vegetables, fruit trees (both bearing and non-bearing), pasture and range

Contains natural essential plant oils with fresh scent

### ACTIVE INGREDIENTS

Rosemary Oil.....10.00%

Peppermint Oil.....2.00%

OTHER INGREDIENTS\*\*.....88.00%

**TOTAL**.....100.00%

\*\*Isopropyl myristate, Isopropyl Alcohol, Polyglyceryl oleate, Butyl lactate and Vanillin

## KEEP OUT OF REACH OF CHILDREN CAUTION

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. **(TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

**See inside label booklet for FIRST AID and PRECAUTIONARY STATEMENTS.**

\*When used as directed

### FIFRA 25(b) Exemption

This product has not been registered by the United States Environmental Protection Agency. Envincio LLC represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act.

Octopamine Blocker™ TECHNOLOGY



Manufactured for Envincio LLC  
2155 W. Croft Circle, Spartanburg, SC 29302