

53883-308

8/13/2012

1/34



U S ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Avenue, N W
Washington, D C 20460

NOTICE OF PESTICIDE

X Registration
Reregistration

(Under FIFRA as amended)

EPA Reg Number
53883-308

Date of Issuance
August 13, 2012

Term of Issuance
Conditional

Name of Pesticide Product
CSI PY-PBO 6-60 Concentrate

Name and Address of Registrant (include ZIP Code)

Control Solutions, Inc
5903 Genoa-bluff
Pasadena, TX 77507-1041

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A), provided that you

- 1 You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data, and submit acceptable responses required for reregistration of your product under FIFRA section 4
2 You will make the following label changes before you release the product for shipment
a Revise the EPA Registration Number to read "EPA Registration Number 53883-308"

Signature of Approving Official

Refer to page #2

Richard Gebken, Product Manager (10)

Date


AUG 13 2012

page 2

EPA Registration No 53883-308

- b Revise the Hazards to Humans and Domestic Animals Section to read
Harmful if swallowed Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals Avoid contact with skin or clothing Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet Wear long-sleeved shirt and long pants, socks, shoes, and gloves
 - c The registrant must generate studies for one year storage stability (830 6317) and corrosion characteristics (830 6320) in commercial containers at ambient temperature for the proposed end-use product It is recommended that the observation should be made 0, 3, 6, 9, and 12 month intervals The results of the studies must be submitted to Agency for evaluations
 - d Within 30 days, you must submit a revised label to incorporate all of the Labeling Statements on Products used for Adult Mosquito Control outlined in PR Notice 2005-1 In addition, you must consolidate all iterations of tank mixing throughout the label into a section entitled (TANK MIXING INSTRUCTIONS) Contained Within this section, the language per PR Notice 82-1 shall be used A copy of PR Notice 82-1 is available at the following Agency internet site, [http //www epa gov/PR Notices/pr82-1 html](http://www.epa.gov/PR_Notices/pr82-1.html) If Control Solutions, Inc does not resubmit a label correcting this deficiency within 30 days, this registration will expire 6 months from the date of registration
- 3 Per 40 CFR 156 10(6), submit one copy of your final printed labeling before you release the product for shipment As defined in 40 CFR 152 3, "final printed labeling" means the "label or labeling of the product when distributed or sold " Clearly legible reproductions or photo reductions will be accepted for unusual labels Note that a clean copy of the master label in most cases does not meet the definition of final printed labeling A stamped copy of the label is enclosed for your records

If you have any questions regarding this action, please contact Regina Foushee'-Smith of my team at (703) 605-0780

Sincerely yours,


Richard Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7505P)

3/34

ACCEPTED
with COMMENTS
In EPA Letter Dated

8-13-12
Under the Federal Insecticide
Fungicide and Rodenticide Act,
as amended for the pesticide
registered under EPA Reg. No.
53883-308

{Subpart A Label For Occupational Use}

{Front panel}

CSI PY-PBO 6-60 Concentrate

{Select marketing claims from "Marketing Claims" section}

Active Ingredients

Pyrethrins (CAS No 8003 34 7) 6%
Piperonyl butoxide* (CAS No 51 03 6) 60%

Other Ingredients

Total 34%
100%

*(butyl carbityl)(6 propylpiperonyl) ether and related compounds

Keep Out of Reach of Children
CAUTION
See back [side] panel for additional Precautionary Statements

EPA Reg No 53883-__ EPA Est _____

Net Contents _____ [(____ fl oz) (____ mL)]
{1 fluid ounce to 250 gallons}

First Aid

If Swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or a doctor • Do not give anything by mouth to an unconscious person
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing • Immediately rinse skin with plenty of water for 15 20 minutes • Call a poison control center or doctor for treatment advice
Have the product container or label with you when calling the poison control center or doctor or going for treatment You may also contact SafetyCall® International (866) 897 8050 for emergency medical treatment information	

{The First Aid statements grid format will be used if market label space permits otherwise a paragraph format will be used}

{Back/Side Panel}

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION Harmful if swallowed Avoid contact with skin or clothing Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals Wear long sleeved shirt and long pants socks shoes and chemical resistant gloves (such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Vitor, Selection Category E) Thoroughly wash hands with soap and water after handling and before eating drinking, chewing gum, using tobacco or using the toilet

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear Long sleeved shirt, long pants, shoes and socks

In addition to the above PPE, applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH approved respirator with a dust/mist filter with a MSHA/NIOSH approval number prefix TC 21C or any N, R, P or HE filter

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear a half face full face or hood style NIOSH approved respirator with

- a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TX 21C) or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TX 14G) or
- a cartridge or canister with any N, R, P or HE filter

See engineering controls for additional requirements

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

Engineering Controls

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(6)). Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) for mechanical flaggers.

User Safety Recommendations

Users should

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Immediately remove clothing if pesticide gets inside; then thoroughly wash and put on clean clothing
- Immediately remove Personal Protection Equipment after handling this product
- Wash the outside of gloves before removing
- As soon as possible, thoroughly wash and change into clean clothing

Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This product is highly toxic to bees exposed to direct treatment of blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not apply directly to water, 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 or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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 contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box apply only to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil or water, is coveralls, shoes plus socks and chemical resistant gloves made of any waterproof material.

Non Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. Do not enter treated area without protective clothing until sprays have dried.

Restrictions and Precautions**When Used Outdoors**

- See separate directions and precautions for mosquito control applications.
- Apply this product only as specified on the label.
- Except when applying as a wide area mosquito adulticide, do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Except when applying as a wide area mosquito adulticide, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying as a wide area mosquito adulticide, only protected handlers may be in the area during application.
- For food crops growing outdoors in agricultural settings: Do not apply more than 10 times per season. Do not re-apply within 3 days except under extreme pest pressure. In case of extreme pest pressure, do not re-apply within 24 hours. Do not harvest until spray has dried. Do not apply to cotton within 14 days of seed harvest.
- For post harvest application to vegetables, fruits, nuts and other commodities: Do not re-apply within 7 days. Do not apply more than 10 times to sweet potatoes.

When Used Indoors

- Apply this product only as specified on the label.
- Remove pets, birds and cover fish aquariums before application.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them before use.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- In hospitals, patients must be removed prior to treatment. The room must be ventilated for two hours after spraying. Do not return patient to room until after ventilation.
- When used in dairy barns or facilities: Close milk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

- When used indoors in food handling/processing facilities Do not make space spray applications when facility is in operation Prior to space spray applications, cover or remove exposed food, cover food processing surfaces or clean after treatment and before use Do not apply more than 1 time per day
- For food crops growing in greenhouses in agricultural settings Do not apply more than 10 times per season Do not re apply within 3 days except under extreme pest pressure In case of extreme pest pressure, do not re apply within 24 hours Do not harvest until spray has dried Do not apply to cotton within 14 days of seed harvest
- For greenhouse grown ornamentals and flower/foilage plants Do not apply more than 1 time per day
- For post harvest applications to stored grains and seed Do not re apply within 30 days

Product Information

This product [product name] is intended for use on growing crops, ornamentals, stored products livestock, in and around buildings and structures as well as modes of transport

When used alone this concentrate can also be used as a clean up or pre harvest spray where other materials cannot be used because of residue restrictions Contains pyrethrins, a botanical insecticide

When used in combination with other insecticides, this product [product name] may be combined with other insecticides and acaricides where resistance may be a problem and to provide a flushing of insects from hiding and into contact with other spray residues for quicker and more complete kill The application must conform to the accepted use precautions and directions of both products

Prior to tank mixing, conduct a compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions no label application rates may be exceeded This product cannot be mixed with any product with label prohibitions against such mixing

This product [product name] may be applied through mechanical, aerosol or ULV generators as well as thermal fogging equipment conventional fogging or spraying equipment and chemigation This product [product name] may also be applied as a surface, spray spot or crack and crevice treatment in both food and non food areas of food handling establishments

Chemigation

Apply this product only through sprinkler (including center pivot, lateral move, end tow side (wheel) roll, traveler, big gun, solid set or hand move) or drip (trickle) irrigation systems Do not apply this product through any other type of irrigation system Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non uniform distribution of treated water If you have questions about calibration contact State Extension Service specialists, equipment manufacturers or other experts Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person shall shut the system down and make necessary adjustments should the need arise

For Sprinkler Chemigation

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow
- The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops

7/34

- The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock
- Do not apply when wind speed favors drift beyond the area intended for treatment

For Drip (Trickle) Chemigation

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow
- The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump
- The pesticide injection pipeline must also contain a functional, normally closed solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected
- Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock

Crops and Plants Grown Outdoors and in Greenhouses

Use this product to kill such insects as Ants, Aphids, Apple maggots, Armyworms, Artichoke plume moths, Asparagus beetles, Beet armyworms Bagworms, Bean beetles, Blister beetles, Blow flies, Biting flies, Boll weevils, Cabbage loopers, Cankerworms, Carrot weevils, Caterpillars, Clover mites, Clover weevils, Cockroaches, 12 Spotted cucumber beetles, Codling moths, Colorado potato beetles, Corn earworms, Crickets, Crane flies, Cross striped cabbageworms, Cucumber beetles, Deer flies, Deer ticks, Earwigs, Diamondback moth larvae, Eastern tent caterpillars, Elm leaf beetles, European corn borers, European pine tip moths, Face flies, Fall webworms, Fire ants, Firebrats, Fireworms, Flea beetles, Flies, Forest tent caterpillars, Fungus gnats, Fruit flies, Fruittree leafrollers, Grape leafhoppers, Grape leaf skeletonizers, Grasshoppers, Green fruit worms, Green peach aphids, Greenhouse thrips, Gypsy moths (adult and larvae), Harlequin bugs, *Heliothis* sp., Hornets, Horn flies, Hornworms, Horse flies, House flies, Imported cabbageworms, Indian meal moths, Imported cabbageworms, Japanese beetles, Katydid, Lace bugs, Leafhoppers, Leafrollers, Leafminers, Lice, Loopers, Lygus, Mealy bugs, Mediterranean flour moths, Mexican bean beetles, Midges, Milipedes, Mosquitoes, Mushroom flies, Navel orangeworms, Onion maggots, Pear psylla, Potato leafhopper, Psyllids, Rice weevils, Saw toothed grain beetles, Silverfish, Skippers, Sowbugs, Stable flies, Stink bugs, Spiders, Tabanidae, Tarnished plant bugs, Thrips, Tomato hornworms, Vinegar flies, Wasps, Webworms, Whiteflies and Yellow jackets

For use on the following crops/plants grown outdoors and in greenhouses

Apply 2.16 fluid ounces per acre (147 ml, 1,182 ml/Ha) and repeat if required to maintain effective kill. Use in sufficient water for thorough coverage of upper and lower leaf surfaces unless otherwise noted. This product may be applied by air in no less than 2 [two] gallons of water per acre (3.02 L/Ha) and by ground in no less than 10 [ten] gallons of water per acre (15.12 L/Ha). It is recommended that the final spray mix be buffered to a pH of 5.5-7.0.

This concentrate is relatively non-toxic to honey bees. To avoid possible harm to honey bees, it is advisable to apply in the early morning or late evening hours.

This product [product name] may be used on most crops because its active ingredients are exempt from tolerance when applied to growing crops. The crop grouping scheme used on this label was devised by the Environmental Protection Agency to expedite minor use pesticide registration.

Root and Tuber Vegetables Arracacha arrowroot, artichoke, Chinese artichoke Jerusalem, beet, garden, beet, sugar burdock, edible canna, edible, carrot, cassava, bitter and sweet celeriac chayote (root), chervil turnip rooted, chicory, chufa dasheen (taro), ginger, ginseng horseradish, leren, parsley, turnip rooted, parsnip, potato, radish, radish, oriental, rutabaga salsify, salsify, black salsify, Spanish skirret sweet potato, taniel, turmeric, turnip yam bean, yam, true

Leaves of Root and Tuber Vegetables Beet, garden, beet sugar burdock edible carrot, cassava bitter and sweet celeriac chervil turnip rooted chicory dasheen (taro) parsnip, radish radish oriental (daikon) rutabaga, salsify, black, sweet potato, taniel, turnip, yam, true

Bulb Vegetables Garlic, garlic great headed, leek, onion, dry bulb, green and Welsh shallot

Leafy Vegetables (except brassica vegetables) Amaranth (Chinese spinach) arugula (roquette) cardoon, celery, Chinese, celtuce chervil, chrysanthemum, edible leaved, chrysanthemum, garland cress garden cress, upland, dandelion, dock (sorrel), endive (escarole), fennel, Florence, lettuce, head and leaf, orach, parsley, purslane, garden and winter, radicchio (red chicory), rhubarb, salad corn spinach spinach New Zealand and vie spinach, Swiss chard

Brassica (Cole) Leafy Vegetables Broccoli, broccoli, Chinese (gai lan) and raab (rapini), Brussels sprouts, cabbage, cabbage, Chinese (bok choy) Chinese (napa) and Chinese mustard (gai choy), cauliflower, cavalo broccolo, collards kale kohlrabi, mizuna mustard greens, mustard spinach, rape greens

Legume Vegetables (succulent or dried) Bean (*Lupinus*) (includes grain lupin, sweet lupin, white lupin and white sweet lupin), bean (*Phaseolus*) (includes field bean, kidney bean, lima bean, navy bean pinto bean, runner bean, snap bean, tepary bean, wax bean), bean (*Vigna*) (includes adzuki bean, asparagus bean, blackeyed pea, catia ig, Chinese longbean, cowpea, crowder pea moth bean, mung bean rice bean, southern pea, urd bean, yardlong bean), broad bean (fava), chickpea (garbanzo) guar, jackbean, lablab bean lentil pea (*Pisum*) (includes dwarf pea edible podded pea, English pea, field pea, garden pea, green pea snowpea sugar snap pea), pigeon pea, soybean (immature seed), sword bean

Foliage of Legume Vegetables Plant parts of any legume vegetable included in the legume vegetables that will be used as animal feed

Fruiting Vegetables (except cucurbits) Eggplant, groundcherry (*Physalis* sp.), pepino, pepper (includes bell pepper, chili pepper cooking pepper, pimento, sweet pepper), tomatillo, tomato

Cucurbit Vegetables Chayote (fruit) Chinese waxgourd (Chinese preserving melon), citron melon cucumber, gherkin gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra) *Momordica* sp (includes balsam apple, balsam pear bittermelon, Chinese cucumber), muskmelon (includes cantaloupe), pumpkin squash summer, squash winter (includes butternut squash, calabaza, hubbard squash acorn squash and spaghetti squash), watermelon

Citrus Fruits Calamondin citrus citron, citrus hybrids (includes chironja, tangelo, tangor) grapefruit, kumquat, lemon, lime, mandarin (tangerine), orange, sour, orange, sweet, pummelo Satsuma mandarin

Pome Fruits Apple, crabapple, loquat, mayhaw, pear, pear, oriental, quince

Stone Fruits Apricot, cherry sweet cherry, tart, nectarine, peach, plum, plum Chickasaw, Damson and Japanese plumcot, prune (fresh)

Berries and Small Fruits Blackberry, Blueberry, Cranberry, Currant, Dewberry, Elderberry, Gooseberry, Grape, Huckleberry, Loganberry, Olalle Berry, Raspberry (black and red), Strawberry and Youngberry

Tree Nuts Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut Chinquapin, Filbert (hazelnut) Hickory nut, Macadamia nut, Pecan walnut, Black and English

Cereal Grains Barley Buckwheat, Corn, Millet, pearl and proso, Oats, Popcorn, Rice Rye, Sorghum (milo), Teosinte, Triticale, Wheat, Wild rice

Forage, Fodder and Straw of Cereal Grains Barley, Buckwheat Corn Millet, pearl and Proso Oats, Popcorn Rice, Rye, Sorghum (milo), Teosinte, Triticale Wheat, Wild rice

Grasses for Seed, Forage, Fodder and Hay Any grass, *Gramineae* family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock all pasture and range grasses and grasses grown for hay or silage

Non Grass Animal Feeds (forage, fodder, straw and hay) Alfalfa, Bean, Velvet, Clover (*Trifolium*, *Mellilotus*), Kudzu, Lespedeza, Lupin, Sainfoin, Trefoil, Betch, vetch, crown and milk

Herb and Spices Allspice Angelica Anise, Anise, star Annatto (seed), Balm Basil, Borage, Burnet Camomile Caper buds Caraway, Caraway, black, Cardamom Cassia bark and buds Catnip Celery seed Chervil (dried), Chive, Chive, Chinese, Cinnamon, Clary, Clove buds, Coriander leaf (cilantro or Chinese parsley) Coriander seed (cilantro), Costmary, Cilantro (leaf), Culantro (seed) Cumín, Curry (leaf), Dill (dillweed), Dill (seed), Fennel (common) Cennel Florence (seed) Fenugreek Grains of paradise and horehound, Hyssop, Juniper berry Lavender, Lemongrass, Lovage (leaf and seed), Mace, Marigold, Marjoram, Mustard (seed) Nasturtium Nutmeg Parsley (dried) Pennyroyal, Pepper, black and white, Poppy (seed), Rosemary, Rue, Saffron, Sage, Savory, summer and winter, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood

Oriental Vegetables Acerola, Atemoya, Balsam pear (bitter melon), Carambola Chinese broccoli (Gai Lan), Chinese cabbage (Bok Choy, Napa), Chinese longbeans, Chinese mustard cabbage (Gai Choy), Chinese spinach, Chinese waxgourd, Cilantro, Citron melon, Dasheen, Ginger Ginseng, Japanese artichoke, Japanese radish (Daikon) Mung beans Rambutan and Water chestnuts

Subtropical Fruits Avacado, Banana, Barbados cherry, Carob, Cherimoya, Dates Durian (jackfruit), Feijoa, Figs, Guava, Kiwifruit Lychee, Mango Papaya Passion fruit, Paw Paw Persimmon Pineapple and Pomegranate

Additional Crops Artichoke, Asparagus, Avocado, Coffee, Cotton Hops, Jojoba, Mushroom, Okra, Peanuts Pineapple, Safflowers Sesame, Sugar Cane, Sunflowers and Tea

Ornamentals African violet, Ageratum, Aster, Azalea Begonia, Cacti, Calceolaria, Calendula, Calla, Camellia, Camation, Ceandhus, Cineraria Chrysanthemum Coleus, Cyclamen, Cypress Daffodil, Denia, Delphinium Dogwood Fern, Ficus, Foliage plants, Fuschia, Gardenia, Geranium, Gladiolus Gloxinia, Gypsophila Holly, Hydrangea, Iris Lilies, Maidenhair fern, Marigold, Juniper, Narcissus, Palm, Pansy, Petergonium, Peony, Petunia, Philodendron Phlox, Pine Pyracantha, Rhododendron, Roses, Rubber Plant, Snapdragon, Stock, Sweet pea, Tulips Viburnum Wandering Jew, Yew, Zinnia and Andromeda Arborvitae, Ash Beech, Birch Boxwood Cotoneaster, Crabapple, Dogwood Elm Euonymus, Fir, Firethorn, Forsythia, Hawthorn Hemlock, Hickory Holly, Honey locust, Horst chestnut, Juniper, Larch, Laurel, Lilac, Linden, Mimosa (Silk tree) Myrtle Oak, Pine, Privet Tulip tree Viburnum Willow and Yew

For Use on Greenhouse Flowers, Foliage Plants, Fruit and Vegetables

Combine 12.24 fluid ounces (355 ml 710 ml) of this product [product name] with 100 gallons of water (378 L) for applications with conventional hydraulic sprayers or 1.2 teaspoons (5.10 ml) per gallon (3.78 L) of water for application with compressed air sprayers

Used in Combination with Other Insecticides To kill accessible, exposed stages of listed insects when used with a residual insecticide, tank mix 1.4 fluid ounces (30 ml 20 ml) of this product [product name] with the proper amount of companion insecticide in 100 gallons (378 L) of water and apply with a conventional hydraulic sprayer

- Applications must be made in accordance with the more restrictive label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

Phytotoxicity Note Plant safety is an important consideration when using insecticides in a greenhouse. However, it is not possible to evaluate the phytotoxicity of this product [product name] towards numerous plant varieties that may react differently to insecticides in different stages or under varying environmental conditions. Before making widespread applications of this product [product name], treat a limited number of plants and observe for phytotoxicity over a 10 day period.

Use with Hydroponically Grown Vegetables

As a Water System Treatment To kill aquatic diptera larvae apply this product [product name] to the water at the rates outlined in the following table

Pyrethrins Concentrate (ppm)	ml of This Product	Gallons of Water
0.1	64.6	10,000 (3,780 L)
0.01	6.46	10,000 (3,780 L)
0.001	0.646	10,000 (3,780 L)

For Use on Harvested Fruits and Vegetables Including Apples, Blackberries, Blueberries, Boysenberries, Cherrys, Crabapples, Currants, Dewberries, Figs, Gooseberries, Grapes, Guavas, Loganberries, Mangoes, Muskmelons, Oranges, Peaches, Pears, Peas, Pineapples, Plums, Raspberries and Tomatoes

For Use on Almonds, Peanuts and Walnuts in Bulk or in Bags To kill stored product insects such as Almond moths, Angoumois grain moths, Ants, Cigarette beetles, Confused flour beetles, Drugstore beetles, Flat grain beetles, Granary weevils, Indian meal moths, Lesser grain borers, Maize weevils, Mediterranean flour moths, Merchant grain beetles, Red flour beetles, Rice weevils, Rusty grain beetles, Saw toothed grain beetles and Square necked grain beetles, dilute 1.5 ounces of this product [product name] per gallon of water (11.7 ml/L) and apply as a coarse wet spray over the top of stored nuts or the outside surface of stacked bagged nuts at the rate of 4 gallons per 1,000 square feet (163 ml/m²). Apply at weekly intervals for about 6 weeks and then at 15 day intervals. Apply the first two applications at the rate of 4 gallons per 1,000 square feet (163 ml/m²), apply subsequent treatments at the rate of 2 gallons per 1,000 square feet (80 ml/m²).

Outdoor Uses

For Use Around Homes and Other Buildings In grassy undeveloped areas use this concentrate at 1 part to 59 parts water to kill foraging fire ants. Also liberally spray grassy areas around yard borders to kill ticks that may carry Lyme Disease.

Perimeter Treatments To control Ants, Bees, Centipedes, Cockroaches, Crickets, Firebrats, Fleas, Ground beetles, Millipedes, Pillbugs, Silverfish, Sowbugs, Spiders, Ticks and Wasps, dilute 2.125 to 4.25 fluid ounces of this product [product name] per gallon of water and apply at the rate of 1 gallon per 750 square feet to a band of soil and vegetation 6 to 10 feet wide around and adjacent to buildings. Treat the building foundation to a height of 2 to 3 feet at the rate of 1 gallon per 750 square feet.

Tick Control To control Brown dog ticks around residential areas, rural fields, woods, lots, roadsides, pathways and coastal vegetation areas, dilute 4.25 fluid ounces of this product [product name] per gallon of water and apply with a mist blower (or other similar equipment) calibrated to deliver 3 gallons per acre. Apply during the peak of infestation and repeat as necessary to maintain control. Make thorough applications to the vegetation upon which the ticks rest.

Flea Control To control fleas around residential areas, dog houses, kennels, paths, patios and under plants, shrubs, trees or other shaded, moist areas where pets may rest, dilute 4.25 fluid ounces of this product [product name] per gallon of water and apply at the rate of 1 gallon per 750 square feet.

Used in Combination with Other Insecticides To provide quick knockdown of the outdoor pests listed above when used with a residual insecticide, tank mix 1.0 to 2.125 fluid ounces of this product [product name] with the proper amount of companion insecticide.

Prior to tank mixing, conduct a small jar compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more

restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any products with label prohibitions against such mixing.

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 with enough water to obtain thorough coverage and apply per the instructions in the following table.

Treatment Area (Square feet)	Fluid Ounces of [Product name]	Suggested Volume of Water (Gallons)
1,000	0.25 to 0.5	2.5 to 5.0
5,000	0.25 to 2.5	15.5 to 25.0
20,000	5.0 to 10.0	50.0 to 100.0
43,560	12.0 to 24.0	110.0 to 220.0

Note: 43,560 square feet = 1 acre

In combination with other insecticides: To provide quick knockdown of insects when used with a residual insecticide, tank mix this product [product name] at the rate listed above with the proper amount of companion insecticide.

Prior to tank mixing, conduct a small jar compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any products with label prohibitions against such mixing.

As a turf pest diagnostic aid: To detect insects prior to making an insecticide application or to evaluate control from previous treatments, dilute 0.5 fluid ounces of this product [product name] per gallon of water and apply evenly with a sprinkling can over one square yard of turf. Record the species and number of insects present 10 minutes after application. Sample 3-5 sites per 5,000 square feet. Note: this procedure does not bring white grubs or billbug grubs to the surface. Use other methods to sample for these pests.

For Use Outdoors on Flowers, Foliage Plants, Shrubs and Trees

Combine 12.24 fluid ounces (355.710 ml) of this product [product name] with 100 gallons of water (378 L) for applications with conventional hydraulic sprayers or 12.24 teaspoons (355.710 ml) per 10 gallons (37.8 L) of water for application with low volume mist blowers or 1.2 teaspoons (5.10 ml) per gallon (3.76 L) of water for application with compressed air sprayers.

Used in Combination with Other Insecticides: To kill accessible, exposed stages of listed insects when used with a residual insecticide, tank mix 1.4 fluid ounces (30.120 ml) of this product [product name] with the proper amount of companion insecticide in 100 gallons of water (378 L) (10 gallons (37.8 L) for low volume application mist blowers) and apply with a conventional hydraulic sprayer.

- Applications must be made in accordance with the more restrictive label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

Prior to tank mixing, conduct a small jar compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any products with label prohibitions against such mixing.

To Kill Gypsy Moth Caterpillars and Adults

Combine 8 12 fluid ounces (237 355 ml) of this product [product name] with 100 gallons of water (378 L) for applications with conventional hydraulic sprayers or 8 12 teaspoons (237 355 ml) per 10 gallons (37 8 L) of water for application with all blast sprayers To provide quick knockdown of gypsy moth caterpillars when used with a residual insecticide, tank mix 1 4 fluid ounces (30 120 ml) of this product [product name] with the proper amount of companion insecticide in 100 gallons of water (378 L (10 gallons (37 8 L) for air blast sprayers) and apply with a conventional hydraulic sprayer

Applications must be made in accordance with the more restrictive of label limitations and precautions No label application rates may be exceeded This product cannot be mixed with any product with label prohibitions against such mixing

Prior to tank mixing conduct a small jar compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions No label application rates may be exceeded This product cannot be mixed with any products with label prohibitions against such mixing

Indoor Uses

Indoor Use Areas Apartment buildings Bakeries Beverage plants, Bottling facilities, Breweries Cafeterias, Candy plants Canneries Cereal processing and manufacturing plants Dairies and dairy product processing plants Frozen food plants Grain elevators, Grain mills, Granaries, 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, Spice plants, Stores, Supermarkets, Warehouses, Wineries and similar structures

Crawling and Flying Insects To kill accessible, exposed stages of **Crawling Insects** including Ants, Cockroaches, Caddisflies, Cigarette beetles, Confused flour beetles Dark mealworms, Dried fruit beetles, Drugstore beetles, Grain mites, Red flour beetles, Rice weevils, Sawtoothed grain beetles Spider beetles Yellow mealworms and **Flying Insects** including but not limited to Angoumois grain moths, Cheese skippers Fruit flies Fungus gnat, Gnats, House flies, Indianmeal moths, Mosquitoes Mediterranean flour moths, Small flying moths and Tobacco moths, dilute 1 part of this product [product name] with 11 parts of water or oil (10 67 ounces per gallon (83 5 ml/l) and apply at the rate of 1 ounce per 1,000 cubic feet (1 06 ml/m³) of space Direct the spray toward the ceiling and upper corners of the area and behind obstructions Vacate the treated area and keep the area closed for at least 30 minutes after treatment Ventilate the area before reoccupying Repeat treatment as necessary

Premise Pest Control

Termite swarms To kill swarming termites, dilute 2 125 4 25 fluid ounces of this product [product name] per gallon of water and apply as a surface spray at the rate of 1 gallon per 750 square feet Apply as a crack and crevice treatment to the locations from which the termites are emerging This application is not a substitute for mechanical alteration, soil treatment or foundation treatment for termites but is merely a supplement For active termite infestations, get a professional inspection

Carpet beetles To control Carpet beetles (black furniture and varied) dilute 4 25 fluid ounces of this product [product name] per gallon of water and apply to the entire carpet at the rate of 1 [gallon per 750 square feet Make localized applications under the edge of carpets, floor coverings and furniture as well as along baseboards, in closets and to infested areas of shelving

Bed bugs To control bed bugs dilute 2 125 fluid ounces of this product [product name] per gallon of water and thoroughly apply to the top ends sides and bottoms of mattresses paying special attention to tufts seams and folds Treat bedsprings and frames, including all cracks and joints Apply as a crack and crevice treatment to all

baseboards, moldings, flooring, closets, shelves, furniture and picture frames that may provide harborage to bed bugs

Webbing clothes moths To control Clothes moths, remove infested articles from storage, thoroughly brush them and air dry them in sunlight for several hours. Dilute 2.125 fluid ounces of this product [product name] per gallon of water and apply as a crack and crevice treatment to empty chests, bureaus and storage sites. After airing, infested articles may be lightly treated with the spray solution (keep the nozzle at least three feet from the fabric to avoid staining)

Flea and Tick Control in Buildings Dilute 2.125 fluid ounces of this product [product name] per gallon of water and thoroughly apply the spray to infested areas such as pet beds and resting quarters, nearby cracks and crevices, rugs and floor coverings (including under the edges) between and under the cushions of upholstered furniture and other areas where these pests may be present. Treat entire rugs and furniture at the rate of 1 gallon of dilute spray per 750 square feet of surface.

Used in Combination with Other Insecticides To provide quick knockdown of adult fleas, tank mix 0.510 fluid ounces of this product [product name] with the appropriate amount of companion insecticide per finished gallon.

Used in Combination with Insect Growth Regulators To provide quick knockdown of adult fleas, tank mix 2.125 fluid ounces of this product [product name] with the appropriate amount of companion insecticide per finished gallon. Prior to tank mixing, conduct a small jar compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any products with label prohibitions against such mixing.

Remove old pet bedding and replace with clean, fresh bedding after treatment. Prior to pets' reentry into treated areas, treat pets with a flea and tick control product registered for use on pets.

For Use Indoors on Flowers, Foliage Plants, Shrubs and Trees

Combine 12.24 fluid ounces (355.710 ml) of this product [product name] with 100 gallons (378 L) of water for applications with conventional hydraulic sprayers or 1.2 teaspoons (5.15 ml) of this product [product name] per gallon (3.78 L) of water for applications with compressed air sprayers.

Used in Combination with Other Insecticides To provide quick knockdown of insects when used with a residual insecticide, tank mix 1.4 fluid ounces (30.120 ml) of this product [product name] with the proper amount of companion insecticide in 100 gallons (378 L) of water and apply with a conventional hydraulic sprayer.

Applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

Prior to tank mixing, conduct a small jar compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any products with label prohibitions against such mixing.

Direct Spray to Fruits in Baskets, on Trucks or in Processing Plants To kill *Drosophila* sp., *Tephritid* sp. Fruit flies, Vinegar flies and other nuisance pests, dilute 1 part concentrate with 1,200 parts water (1 pint (0.47 L) per 150 gallons water (567 L) or 1 teaspoon (5 ml) per 12.5 pints (5.87 L) water). Thoroughly mix the emulsion in the spray tank and treat as follows:

- 1 Apply liberally to fruits and vegetables in baskets, on trucks and in plants. Use sprayers at a high pressure for applying at the rate of 5.6 pints of diluted spray to a 2 ton load of produce. Direct the spray for maximum coverage of the baskets or hampers. It is important to spray between and beneath the containers.

- 2 Spray the raw stock stacked in the yard
- 3 Dip baskets in the diluted spray, after dumping the produce, to kill adhering larvae and pupae

For Use in Canneries Spray the entire space inside of the cannery after washing/cleaning up and just before bringing food stuffs into it. Prepare spray solution by diluting 1 part concentrate to 29 parts of water (1 quart (0.95 L) with 7.5 gallons (28.4 L) water) up to 1 part concentrate with 11 parts of water (1 quart (0.95 L) with 3 gallons (11.3 L) water). Use 1 gallon of the spray per 750 square feet (54 ml/m³), directing it on walls, ceiling and floors paying special attention to forcing the spray into all cracks and crevices for the kill of Ants, Cheese mites, Crickets, Roaches, Silverfish and Spiders. This same solution used as a space spray, will give excellent kill of fruit flies, houseflies, hornets, grain moths, gnats, mosquitoes, and skipper flies. Use 1 [one] fluid ounce of spray per 1,000 cubic feet (1.06 ml/m³) of space. Do not spray while the plant is in operation as dead flies may fall into containers or the products being processed.

Use as a Space Spray in Food and Nonfood Areas of Food Processing Plants, Industrial Installations, Bakeries, Rice and Wheat Mills, Restaurants, Tobacco Warehouses, Grain Elevators, Homes and Warehouses To kill flying insects such as Fruit flies, Grain moths, Gnats, Hornets, House flies, Mosquitoes, Skipper flies and Wasps dilute at the rate of 1 part concentrate with 29 parts water (1 quart (0.95 L) with 7.5 gallons (28.3 L) water) up to 1 part with 11 parts water (1 quart (0.95 L) with 3 gallons (11.3 L) water). Use at the rate of 1/2 1 ounce of spray per 1,000 cubic feet (0.53 ml to 1.06 ml/m²) of space. Direct the space treatment upward and whenever practical keep doors and windows closed for at least 10 minutes after application. Where oil residues are not undesirable, this product can be diluted at the rate of 1 part concentrate with 29 parts deodorized base oil up to 1 part concentrate with 11 parts in deodorized base oil (oil instead of water) and applied as a space spray with any good applicator such as mechanical or ULV foggers capable of producing aerosol size particles.

Continue the use of this product in food processing or food handling establishments to time periods when the plant is not in operation. Remove or cover food during treatments. Cover all food processing surfaces during treatment or thoroughly clean before use.

Use as a Surface Spray in Homes, Restaurants, Food Processing Plants, Industrial Installations and Warehouses To kill accessible, exposed stages of crawling insects including, Ants, Caddisflies, Cigarette beetles, Cockroaches, Confused flour beetles, Dark mealworms, Dried fruit beetles, Drugstore beetles, Grain mites, Red flour beetles, Rice weevils, Saw toothed grain beetles, Spider beetles and Yellow mealworms, dilute 1 part of this product [product name] with 59 parts water [4.25 fluid ounces of this product [product name] per gallon of water] and apply at the rate of 1 gallon per 750 square feet (54 ml/m²), paying special attention to forcing the spray into all cracks and crevices.

Except in Federally inspected meat and poultry plants, food processing operations may continue when this product is applied with care as a surface spray and in accordance with the directions and precautions given above.

To kill accessible, exposed stages of crawling insects including, Ants, Caddisflies, Cigarette beetles, Cockroaches, Confused flour beetles, Dark mealworms, Dried fruit beetles, Drugstore beetles, Grain mites, Red flour beetles, Rice weevils, Saw toothed grain beetles, Spider beetles and Yellow mealworms, dilute 1 part of this product [product name] with 19 parts of water [2.125 fluid ounces of this product [product name] per gallon of water] and apply at the rate of 1 gallon per 750 square feet (54 ml/m²), paying special attention to forcing the spray into all cracks and crevices.

Where oil residues are not undesirable, this product may be diluted at the rate of 1 part concentrate to 29 parts deodorized base oil up to 1 part concentrate to 11 parts deodorized base (oil instead of water) and applied as a space spray with any good applicator such as mechanical or ULV foggers capable of producing aerosol size particles.

Used in Combination with Other Insecticides To provide flushing and quick knockdown of insects this product [product name] may be tank mixed with other insecticides at the rate of 1/4 1/2 fluid ounce (equivalent to 1/2 1 tablespoon or 7.4 to 14.8 ml) per gallon of spray solution

To provide increased control of resistant German cockroaches, tank mix 2.125 4.25 fluid ounces of this product [product name] with the appropriate amount of companion insecticide per finished gallon

Prior to tank mixing, conduct a small jar compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any products with label prohibitions against such mixing.

Void Treatment Undiluted ULV treatment. To treat inaccessible voids including, but not limited to, attics, false ceilings, wall and equipment voids, calculate the volume of the void and apply this product [product name] through ULV crack and crevice application equipment at the rate of 0.33 fluid ounces per 1,000 cubic feet of space.

For Use in Storage Sites This concentrate can be used to treat grain and seed in warehouse bins and trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean up prior to using them for storage. In mills and elevators, remove all infested accumulations of grain from the bin hoppers. Thoroughly clean all storage areas and conveying equipment by sweeping out the waste grain, cobwebs and other debris from the walls and rafters as well as on the floor and door frames with special attention to material lodged in the cracks and crevices. Remove all and burn all of the debris to kill eggs and insects that might be present.

For farms, pay particular attention to cleaning up around the used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. Do not place newly harvested grain in the same bin with carry over grain, fumigate all carry over grain stocks that are not treated with grain protectant. Perform these cleaning operations within 2-3 weeks before harvest.

After above sanitation measures have been employed, spray all areas prior to use for storage with 1 part concentrate to 29 parts water (1 quart (0.95 L) with 7.5 gallons (28.3 L) water) up to 1 part concentrate to 11 parts water (1 quart (0.95 L) to 3 gallons (11.3 L) water). Apply at the rate of 1 [one] gallon per 750 square feet (54 ml/m²) on walls, floors, ceilings and partition boards of bins, paying particular attention to forcing the spray into all cracks and crevices.

Inspect monthly. If the top 2 or 3 inches (5.08 or 7.62 cm) are found to be infested, re-treat applying at the rate of 1.2 gallons (3.78 L 7.56 L) of spray solution per 1,000 bushels of stored product.

For Use on Stored Products This concentrate can be used at the rate of 1 part concentrate to 29 parts or deodorized base oil up to 1 part to 11 parts water or deodorized base oil on Almond nutmeat and shells, Barley, Beans, Birdseed, Buckwheat, Cocoa beans, Corn, Cottonseed, Dried apricots, Dried fruit, Dried prunes, Figs, Flax, Grain, Nuts, Oats, Peanuts, Pistachio, Raisins, Rice, Rye, Sorghum, Tobacco, Walnut nutmeat and shells and Wheat held in storage to kill accessible stages of Almond moths, Angoumois Grain moths, Cadelle beetles, Cigarette beetles, Confused flour beetles, Flat grain beetles, Granary weevils, Indian meal moths, Red flour beetles, Rice weevils, Rusty grain beetles, Saw toothed grain beetles, Squarenecked grain beetles and Tobacco moths.

Pantry Pest Control To control exposed adult and immature stages of stored product insects including, but not limited to, Almond moths, Angoumois grain moths, Cadelles, Cigarette beetles, Confused flour beetles, Drugstore beetles, Flat grain beetles, Granary weevils, Indian meal moths, Lesser grain borers, Maize weevils, Mediterranean flour moths, Merchant grain beetles, Red flour beetles, Rice weevils, Rusty grain beetles, Saw toothed grain beetles and Squarenecked grain beetles, dilute 2.125 4.25 fluid ounces of this product [product name] per gallon of water and apply to cupboards, shelves and storage areas. Remove all utensils, unprotected foodstuffs (or any with original packaging that has been opened), shelf paper and other objects before treatment. Allow treated surfaces to dry.

before covering shelves with clean paper and before replacing any utensils, foodstuffs or other items. Discard any foodstuff that was accidentally contaminated with the spray solution.

For Use on Sweet Potatoes in Storage To kill Fruit flies and Vinegar flies dilute this concentrate at the rate of 1 part to 19 parts water (6.4 fluid ounces per gallon (51 ml/L)). Apply as a space fog with a mechanical fogger capable of producing aerosol size particles at the rate of 1 gallon spray solution per 100,000 cubic feet (1.34 ml/m²) of space. Apply only when flying insects are present. Several applications may be necessary during periods of heavy infestation, but do not spray more than 10 applications.

Surface Treatment of Stored Grain and Seed Kills Angoumois grain moths, Indian meal moths and Mediterranean flour moths, inspect grain and/or seed monthly after the grain and/or seed is placed in storage. If the top 2-3 inches are infested dilute 1 part of this product [product name] with 19 parts of water and apply at the rate of 1.2 gallons per 1,000 square feet (40.80 ml/m²) of grain. Rake the mixture into the grain and/or seed to a depth of 4 inches (10.16 cm).

For Use as a Grain Protectant This concentrate, when diluted with water and sprayed directly on grains, will effectively protect the grain against grain storage insects for a full season or approximately 8 months. Dilute at the rate of 1 part concentrate to 29 parts water (1 quart (0.95 L) concentrate to 7.5 gallons water (28.34 L)). Thoroughly mix the solution and apply at the rate of 4.5 gallons (15.12-18.9 L) per 1,000 bushels of grain as it is carried along a belt or as it enters the auger or elevator. This concentrate may be used in combination with an EPA registered fumigant for use on heavily infested stored products.

For Use as a Livestock and Poultry Spray

- 1 To kill Gnats, Horn flies, Houseflies and Mosquitoes, dilute at the rate of 1.2 fluid ounces concentrate per gallon (8.16 ml/L) of water and apply to thoroughly wet the hair paying particular attention to topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.
- 2 To kill Deer, Horse and Stable flies, dilute at the rate of 2.3 fluid ounces concentrate per gallon (16.24 ml/L) of water and apply a quart (0.95 L) per adult animal. Thoroughly wet the hair and pay particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week as needed.
- 3 To kill Face flies dilute at the rate of 2 fluid ounces concentrate per gallon (16 ml/L) of water and apply by saturating a cloth and wiping animal's face, being careful to protect the animal's eyes from the solution. Apply to the animal's face in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1 1/2 fluid ounces (44 ml) per animal. Repeat daily as needed.
- 4 For effective kill of biting and sucking lice on Cattle, Goats, Hogs, Horses and Sheep, dilute at the rate of 1 quart concentrate (0.95 L) to 7.5 gallons of water (28.35 L) (1 fluid ounce concentrate to 2 gallons (4ml/L) of water) and thoroughly spray to wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.
- 5 To kill Poultry lice use a dilution of 2.3 ounces of concentrate per gallon (16 to 24 ml/L) of water and thoroughly spray roosts, walls, nests and cages. It is not necessary to remove poultry from the housing unit during treatment. Follow by spraying a fine mist over the birds.
- 6 To kill Bed bugs and Mites on poultry and in poultry houses, dilute at the rate of 2.3 fluid ounces concentrate per gallon (16.24 ml/L) of water and spray crevices of roost poles, cracks in walls and cracks in nests where the bed bugs and mites hide. Follow by spraying a fine mist over the birds.
- 7 To kill Sheep "tick" or ked dilute at the rate of 1.2 fluid ounces concentrate per 4 gallons (2.4 ml/L) of water and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure with a nozzle adjustment to penetrate the wool. Treat at a rate sufficient to wet the animal.
- 8 To kill Fleas and Ticks on livestock and to obtain protection against reinfestation dilute at the rate of 2 fluid ounces concentrate per gallon (16 ml/L) of water and wet the animal by dipping or spraying.

17/34

For Use in Barns, Dairies, Milking Parlors, Milking Rooms and Poultry Houses To kill flying insects including, but not limited to, Flies, Fruit flies, Gnats, Hornets Mosquitoes, Small flying moths and Wasps, dilute at the rate of 2 fluid ounces concentrate per gallon (16 ml/L) of water. Apply as a fog or fine mist (at approximately 2 fluid ounces per 1,000 cubic feet of space (2 ml/m³)) directing the nozzle toward the ceiling and upper corners of the area being treated for maximum coverage above livestock and poultry. For best results, close doors and windows before spraying, and keep them closed for 10-15 minutes. Vacate the treated area for 30 minutes and ventilate it prior to returning. Repeat application as necessary.

{For product in rigid non refillable containers less than or equal to 5 gallons }

Storage and Disposal

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

Pesticide Storage Store in original container in a cool, dry place inaccessible to children and pets. Store away from food and pet food. **Pesticide Disposal** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling** Non refillable container, do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available, dispose of container in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

{For product in rigid non refillable containers greater than 5 gallons }

Storage and Disposal

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

Pesticide Storage Store in original container in a cool, dry place inaccessible to children and pets. Store away from food and pet food. **Pesticide Disposal** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling** Non refillable container, do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by incineration.

{For product in rigid refillable containers }

Storage and Disposal

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

Pesticide Storage Store in original container in a cool, dry place inaccessible to children and pets. Store away from food and pet food. **Pesticide Disposal** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling** Refillable container, refill this container only with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller, cleaning before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water, then vigorously agitate or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure 2 more times, then offer for recycling, if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container }

WARRANTY STATEMENT

Control Solutions, Inc warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label when used only in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent consistent with applicable law, Control Solutions, Inc shall in no event be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein and to the extent consistent with applicable law, Control Solutions, Inc makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose and/or use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc's election, the replacement of this product.

[Manufactured for] [Distributed by] [Manufactured by]

Control Solutions, Inc

5903 Genoa Red Bluff
Pasadena, TX 77507 1041

{Marketing Claims}

- Can be mixed with [residual] insecticides and IGR's for quick knockdown of adult fleas
- Contains Pyrethrins [, a botanical insecticide]
- Can be sprayed on poultry to kill lice, bed bugs and mites
- Except in meat and poultry plants, food processing operations do not have to be stopped while applying a wet surface spray with care and in accordance with the directions and precautions
- For use in German cockroach resistance management programs
- For use on {select from sites listed in Directions for Use}
- For use on [growing crops] [ornamentals,] [stored products,] [on livestock,] [in and around buildings and structures,] [as well as] [modes of transport]
- For use on [crops] [plants] grown outdoors and in greenhouses
- Kills {select from insects listed on label}
- Kills [cockroaches] [flies] [fleas,] [ticks,] [beetles,] [moths,] [bed bugs]
- Kills flies, mosquitoes and [biting and sucking] lice on cattle, goats, hogs, horses and sheep
- Mattress treatment for bed bugs
- May be applied through mechanical aerosol or ULV generators including thermal fogging equipment
- May be applied as a surface spray, spot or crack and crevice treatment in both food and non food areas of food handling establishments
- May be combined with other insecticides [and acaricides' [where resistance may be a problem] to provide a flushing of insects
- Multi purpose insecticide
- Quick knockdown and kill of listed insects

{End of Marketing Claims}

[] Denotes alternate/optional language

{ } Denotes language that does not appear on the market labeling

19/34

{Subpart B Label For Consumer/Residential Use}

{Front panel}

CSI PY-PBO 6-60 Concentrate

{Select marketing claims from "Marketing Claims" section}

Active Ingredients

Pyrethrins (CAS No 8003 34 7) 6%
Piperonyl butoxide* (CAS No 51 03 6) 60%

Other Ingredients

Total 34%
Total 100%
*(butyl carbityl)(6 propylpiperonyl) ether and related compounds

Keep Out of Reach of Children
CAUTION
See back [side] panel for additional Precautionary Statements

EPA Reg No 53883-__ EPA Est _____

Net Contents _____ [(____ fl oz) (____ mL)]
{1 fluid ounce to 55 gallons}

First Aid

If Swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or a doctor • Do not give anything by mouth to an unconscious person
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing • Immediately rinse skin with plenty of water for 15 20 minutes • Call a poison control center or doctor for treatment advice
<p>Have the product container or label with you when calling the poison control center or doctor or going for treatment You may also contact SafetyCall® International (866) 897 8050 for emergency medical treatment information</p>	

{The First Aid statements grid format will be used if market label space permits otherwise a paragraph format will be used }

{Back/Side Panel}

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION Harmful if swallowed Avoid contact with skin or clothing Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals Wear long sleeved shirt and long pants, socks, shoes and chemical resistant gloves (such as Barrier Laminate, Nitrile Rubber Neoprene Rubber or Viton) Thoroughly wash hands with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet

20 / 34

{Products labeled for exclusively indoor applications may omit the Environmental Hazards section}

Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment areas.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Precautions and Restrictions

Except when applying directly to pets, do not allow adults, children or pets to enter treated area until sprays have dried. Except when applying directly to pets or livestock, do not apply this product in a way that will contact adults, children or pets, either directly or through drift. Do not wet plants to the point of runoff or drip.




When used indoors Remove pets, birds and cover fish aquariums before spraying. Except when applying to pets or livestock, do not remain in treated area, immediately exit area and remain outside the treatment area until aerosols vapors and/or mists have dispersed. Remove or cover exposed food and drinking water before applications. Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them before use. Do not apply as a broadcast or spot treatment to indoor surfaces in certain sites including nurseries, day care centers, schools, and sickrooms. Do not use in commercial food/feed handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried.

When used outdoors Do not apply during rain. Do not apply this product with a sponge. Not for use in outdoor residential misting systems. All outdoor applications must be limited to only spot or crack and crevice treatment except for applications to soil/vegetation around structures, to lawn, turf and other vegetation and to building foundations (up to a maximum height of 3 feet). Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to only crack and crevice applications. Do not water the treated area to the point of run off. Application is prohibited directly into sewers or drains or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

For use in and around residential buildings and structures including but not limited to, Apartments, Barns, Cabins, Campers, Condominiums, Garages, Homes, Mobile homes, Outbuildings, Townhomes and Trailers and Outdoor Residential Areas (Decks, Dumpsters, Patios, Picnic areas and Porches), Rural fields, Woods, Lots and Pathways. For use on Bushes, Evergreens, Flowers, Fruits, Fruit and Nut Trees, Herbs and Spices, Nuts, Ornamentals, Roses, Shade Trees and Vegetables.

How to Apply

Pump Style Tank Sprayer	<p>Best for spot spraying small areas</p> <ol style="list-style-type: none"> 1 Add appropriate amounts of water and concentrate to sprayer tank 2 Close sprayer, shake well and pressurize. Adjust nozzle to a coarse spray 3 Hold tip of wand about 12" from target and spray
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	<p>4 Occasionally re pressurize sprayer as needed to maintain a good spray pattern</p>
<p>Dial-Style Hose-End Sprayers</p> 	<p>Best for spraying target areas</p> <ol style="list-style-type: none"> 1 Fill sprayer jar with enough concentrate for the area to be treated Do not add water 2 Close sprayer set dial to apply stated fluid ounces per gallon, hook to garden hose and apply 3 Pour any unused concentrate back into this original container
<p>Concentrate Plus Water Hose-End Sprayers</p> 	<p>Best for spraying larger areas</p> <ol style="list-style-type: none"> 1 Pour concentrate into sprayer jar to required "Fluid Ounce" level 2 Add the appropriate amount of water to the "Gallons" level 3 Close sprayer, hook to garden hose, shake well & apply To avoid contact with the treated area, begin by spraying area farthest from faucet walking backwards as you spray

Indoor Uses

Crawling and Flying Insects To kill accessible, exposed stages of **Crawling Insects** including Ants, Caddisflies, Cigarette beetles, Cockroaches, Confused flour beetles, Dark mealworms, Dried fruit beetles, Drugstore beetles, Grain mites, Red flour beetles, Rice weevils, Saw-toothed grain beetles, Spider beetles, Yellow mealworms and **Flying Insects** including, but not limited to Angoumois grain moths, Cheese skippers, Fruit flies, Fungus gnats, Gnats, House flies, Indianmeal moths, Mosquitoes, Mediterranean flour moths, Small flying moths, Tobacco moths, dilute 10.67 ounces concentrate per gallon of water and apply solution at the rate of 1 ounce per 1,000 cubic feet of space. Direct the spray toward the ceiling and upper corners of the area and behind obstructions. Vacate the treated area and keep the area closed for at least 30 minutes after treatment. Ventilate the area before reoccupying. Repeat treatment as necessary.

To use as a space spray to kill flying insects such as **Fruit flies, Gnats, Grain moths, House flies, Hornets, Mosquitoes, Skipper flies and Wasps**, dilute 1 quart concentrate to 3 gallons of water. Use at the rate of 1/2 1 ounce of solution spray per 1,000 cubic feet of space. Direct the treatment upward and whenever practical keep doors and windows closed for at least 10 minutes after application.

Use as a surface spray to kill accessible, exposed stages of crawling insects including, **Ants, Caddisflies, Cigarette beetles, Cockroaches, Confused flour beetles, Dark mealworms, Dried fruit beetles, Drugstore beetles, Grain mites, Red flour beetles, Rice weevils, Saw-toothed grain beetles, Spider beetles and Yellow mealworms**, dilute 4.25 fluid ounces of this product [product name] per gallon of water and apply at the rate of 1 gallon per 750 square feet, paying special attention to forcing the spray into all cracks and crevices.

To kill accessible, exposed stages of crawling insects including, **Ants, Caddisflies, Cigarette beetles, Cockroaches, Confused flour beetles, Dark mealworms, Dried fruit beetles, Drugstore beetles, Grain mites, Red flour beetles, Rice weevils, Saw-toothed grain beetles, Spider beetles and Yellow mealworms**, dilute 2.125 fluid

ounces of this product [product name] per gallon of water and apply at the rate of 1 gallon per 750 square feet paying special attention to forcing the spray into all cracks and crevices

To control exposed stages of pantry pests including **Almond moths, Angoumois grain moths, Cadelles, Cigarette beetles, Confused flower beetles, Drugstore beetles, Flat grain beetles, Granary weevils, Indian meal moths, Lesser grain borers, Maize weevils, Mediterranean flour moths, Merchant grain beetles, Hied flour beetles, Rice weevils, Rusty grain beetles, Saw toothed grain beetles and Squarenecked grain beetles**, dilute 2 125 4 25 fluid ounces of this product [product name] per gallon of water and apply to cupboards, shelves and storage areas. Remove all utensils, unprotected foodstuffs (or any with original packaging that has been opened), shelf paper and other objects before treatment. Allow treated surfaces to dry and then cover shelves with clean paper before replacing any utensils, foodstuffs or other items. Discard any foodstuff that was accidentally contaminated with the spray solution.

Premise Pest Control

Termite swarmers To kill swarming termites, dilute 2 125 4 25 fluid ounces of this product [product name] per gallon of water and apply as a surface spray at the rate of 1 gallon per 750 square feet. Apply as a crack and crevice treatment to the locations from which the termites are emerging. This application is not a substitute for mechanical alteration, soil treatment or foundation treatment for termites but is merely a supplement. For active termite infestations, get a professional inspection.

Carpet beetles To control Carpet beetles (black, furniture and varied) dilute 4 25 fluid ounces of this product [product name] per gallon of water and apply to the entire carpet at the rate of 1 gallon per 750 square feet. Make localized applications under the edge of carpets, floor coverings and furniture as well as along baseboards, in closets and to infested areas of shelving.

Bed bugs To control bed bugs, dilute 2 125 fluid ounces of this product [product name] per gallon of water and thoroughly apply to the top, ends, sides and bottoms of mattresses paying special attention to tufts, seams and folds. Treat bedsprings and frames, including all cracks and joints. Apply as a crack and crevice treatment to all baseboards, moldings, flooring, closets, shelves, furniture and picture frames that may provide harborage to bed bugs.

Webbing clothes moths To control Clothes moths, remove infested articles from storage, thoroughly brush them and air dry them in sunlight for several hours. Dilute 2 125 fluid ounces of this product [product name] per gallon of water and apply as a crack and crevice treatment to empty chests, bureaus and storage sites. After airing, infested articles may be lightly treated with the spray solution (keep the nozzle at least three feet from the fabric to avoid staining).

Flea and Tick Control in Structures Dilute 2 125 4 25 fluid ounces of this product [product name] per gallon of water and thoroughly apply the spray to infested areas such as pet beds and resting quarters, nearby cracks and crevices, rugs and floor coverings (including under the edges) between and under the cushions of upholstered furniture and other areas where these pests may be present. Treat entire rugs and furniture at the rate of 1 gallon of dilute spray per 750 square feet of surface.

Use in Combination with Residual Insecticides To provide quick knockdown of adult fleas, mix 0.5 1.0 fluid ounces of this product [product name] with the appropriate amount of companion insecticide per finished gallon.

Prior to mixing with a residual insecticide, conduct a compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

Remove old pet bedding and replace with clean, fresh bedding after treatment. Prior to pets' reentry into treated areas, treat pets with a flea and tick control product registered for use on pets.

For Use as a Livestock and Poultry Spray

- 1 To kill Gnats, Horn flies, Houseflies and Mosquitoes dilute at the rate of 1.2 fluid ounces concentrate per gallon of water and thoroughly apply to wet the hair paying particular attention to topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.
- 2 To kill Deer, Horse and Stable flies, dilute at the rate of 2.3 fluid ounces concentrate per gallon of water and apply a quart per adult animal. Thoroughly wet the hair paying particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week as needed.
- 3 To kill Face flies dilute at the rate of 2 fluid ounces concentrate per gallon of water and apply by saturating a cloth and wiping animal's face, being careful to protect the animal's eyes from the solution. Apply to the animal's face in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1.5 fluid ounces per animal. Repeat daily as needed.
- 4 For effective kill of biting and sucking lice on Cattle, Goats, Hogs, Horses and Sheep, dilute at the rate of 1 fluid ounce concentrate to 2 gallons of water and thoroughly spray to wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.
- 5 To kill Poultry lice, use a dilution of 2.3 ounces of concentrate per gallon (16 to 24 ml/L) of water and thoroughly spray roosts, wall nests and cages. It is not necessary to remove poultry from the housing unit during treatment. Follow by spraying a fine mist over the birds.
- 6 To kill Bed bugs and Mites on poultry and in poultry houses, dilute at the rate of 2.3 fluid ounces concentrate per gallon of water and spray crevices of roost poles, cracks in walls and cracks in nests where the bed bugs and mites hide. Follow by spraying a fine mist over the birds.
- 7 To kill Sheep "tick" or ked, dilute at the rate of 1.2 fluid ounces concentrate per 4 gallons of water and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure with a nozzle adjustment to penetrate the wool. Treat at a rate sufficient to wet the animal.
- 8 To kill Fleas and Ticks on livestock and to obtain protection against reinfestation, dilute at the rate of 2 fluid ounces concentrate per gallon of water and wet the animal by dipping or spraying.

For Use in Barns and Poultry Houses To kill flying insects including, but not limited to, Flies, Fruit flies, Gnats, Hornets, Mosquitoes, Small flying moths and Wasps, dilute at the rate of 2 fluid ounces concentrate per gallon of water. Apply as a fog or fine mist (at approximately 2 fluid ounces per 1,000 cubic feet of space (2 ml/m³)) directing the nozzle toward the ceiling and upper corners of the area being treated for maximum coverage above livestock and poultry. For best results, close doors and windows before spraying and keep them closed for 10-15 minutes. Vacate the treated area for 30 minutes and ventilate it prior to returning. Repeat application as necessary.

Outdoor Uses

For Use Around Homes and other Structures In grassy undeveloped areas use 1 part concentrate to 59 parts water to kill foraging fire ants. Spray grassy areas around yard borders liberally to kill ticks that may carry Lyme Disease.

Flea Control To control fleas around residential areas, Dog houses, Kennels, Paths, Patios and under Plants, Shrubs, Trees or other shaded, moist areas where pets may rest, dilute 4.25 fluid ounces of this product [product name] per gallon of water and apply at the rate of 1 gallon per 750 square feet.

Perimeter Treatments To control **Ants, Bees, Centipedes, Cockroaches, Crickets, Firebrats, Fleas, Ground beetles, Millipedes, Pillbugs, Silverfish, Sowbugs, Spiders, Ticks and Wasps**, dilute 2.125-4.25 fluid ounce of this product [product name] per gallon of water and apply at the rate of 1 gallon spray solution per 750 square feet to

24/34

a band of soil and vegetation 6 10 feet wide around and adjacent to buildings Treat the building foundation to a height of 2 3 feet at the rate of 1 gallon spray solution per 750 square feet

Tick Control To control Brown dog ticks around lots, pathways, residential areas, rural fields and woods, dilute 4 25 fluid ounces of this product [product name] per gallon of water and apply at the rate of 1 gallon spray solution per 1/3 acre Apply during the peak of infestation and repeat as necessary to maintain control of vegetation upon which the ticks rests

For Use on Flowers, Foliage Plants, Shrubs and Trees

Dilute 1 fluid teaspoon of concentrate per gallon of water Apply at the rate of 1 gallon per 2,722 square feet

Lawn and Turf Use alone as a contact spray to control **Ants, Armyworms, Billbugs, Chinch bugs, Chiggers, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Hyperodes weevils (adults), Japanese beetles (adult), Mole crickets, Sod webworms and Ticks** Dilute with enough water to obtain thorough coverage and apply per the instructions in the following table

Treatment Area (Square feet)	Fluid Ounces of [Product name]	Suggested Volume of Water (Gallons)
1,000	0.25 to 0.5	2.5 to 5.0
5,000	0.25 to 2.5	15.5 to 25.0

In combination with residual insecticides To provide quick knockdown of insects when used with a residual insecticide mix this product [product name] at the rate list above with the proper amount of companion insecticide

Prior to mixing with a residual insecticide, conduct a compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture Mix applications must be made in accordance with the more restrictive of label limitations and precautions No label application rates may be exceeded This product cannot be mixed with any product with label prohibitions against such mixing

As a turf pest diagnostic aid To detect insects prior to making an insecticide application or to evaluate control from previous treatments, dilute 0.5 fluid ounces of this product [product name] per gallon of water and apply evening with a sprinkling can over one square yard of turf Record the species and number of insects present ten minutes after application, Sample 3-5 sites per 5,000 square feet

Note this procedure does not bring Billbug grubs or White grubs to the surface Use other methods to sample for these pests

Plants Grown Outdoors and in Home Greenhouses

Use this product to kill such insects as Ants Aphids Apple maggots, Armyworms, Artichoke plume moth, Asparagus beetles Beet armyworms, Bagworms, Bean beetles, Blister beetles Blow flies Biting flies, Boll weevils, Cabbage loopers, Cankerworms, Carrot weevils, Caterpillars Clover mites, Clover weevils, Cockroaches, 12 Spotted cucumber beetles, Codling moths, Colorado potato beetles, Corn earworms, Crickets, Crane flies, Cross striped cabbageworms, Cucumber beetles, Deer flies, Deer ticks, Earwigs Diamondback moth larvae, Eastern tent caterpillars, Elm leaf beetles, European corn borers, European pine tip moths, Face flies, Fall webworms Fire ants Firebrats Fireworms Flea beetles Flies, Forest tent caterpillars, Fungus gnats, Fruit flies Fruittree leafrollers, Grape leafhoppers, Grape leaf skeletonizers, Grasshoppers, Green fruit worms, Green peach aphids, Greenhouse thrips Gypsy moths (adult and larvae) Harlequin bugs, *Heliothis* sp., Hornets, Horn flies, Hornworms, Horse flies, House flies Important cabbageworms, Indian meal moths, Imported cabbageworms Japanese beetles Katydid, Lace bugs, Leafhoppers, Leafrollers, Leafminers, Lice, Loopers, Lygus, Mealy bugs, Mediterranean flour moths Mexican bean beetles, Midges, Milpedes Mosquitoes, Mushroom flies, Navel orangeworms, Onion maggots, Pear psyllid, Potato leafhopper Psyllids, Rice weevils, Saw toothed grain beetles Silverfish, Skippers Sowbugs Stable flies,

Stink bugs, Spiders, Tabanidae Tarnished plant bugs Thrips, Tomato hornworms, Vinegar flies, Wasps, Webworms, Whiteflies and Yellow jackets

For use on the following crops/plants grown outdoors and in greenhouses

Apply 2.16 fluid ounces per acre [0.25-1.2 teaspoons per 5,455 square feet] and repeat if required to maintain an effective kill. Use in sufficient water for thorough coverage of upper and lower leaf surfaces unless otherwise noted. It is recommended that the final spray mix be buffered to a pH of 5.5-7.0.

This concentrate is relatively non-toxic to honey bees. To avoid possible harm to honey bees, it is advisable to apply in the early morning or late evening hours.

This product [product name] may be used on most plants because its active ingredients are exempt from tolerance when applied to growing plants. The plant grouping scheme used on this label was devised by the Environmental Protection Agency to expedite minor use pesticide registration.

Root and Tuber Vegetables Arracacha, arrowroot, artichoke, Chinese artichoke, Jerusalem beet, garden beet, sugar, burdock, edible canna, edible carrot, cassava, bitter and sweet, celeriac, chayote (root), chervil, turnip-rooted, chicory, chufa, dasheen (taro), ginger, ginseng, horseradish, leek, parsley, turnip-rooted, parsnip, potato, radish, oriental, rutabaga, salsify, black salsify, Spanish skirret, sweet potato, tangerine, turmeric, turnip, yam bean, yam, true.

Leaves of Root and Tuber Vegetables Beet, garden, beet, sugar, burdock, edible, carrot, cassava, bitter and sweet, celeriac, chervil, turnip-rooted, chicory, dasheen (taro), parsnip, radish, oriental (daikon), rutabaga, salsify, black, sweet potato, tangerine, turnip, yam, true.

Bulb Vegetables Garlic, garlic, great-headed, leek, onion, dry bulb, green and Welsh, shallot.

Leafy Vegetables (except brassica vegetables) Amaranth (Chinese spinach), arugula (rocket), cardoon, celery, Chinese, celtuce, chervil, chrysanthemum, edible-leaved chrysanthemum, garland cress, garden cress, upland, dandelion, dock (sorrel), endive (escarole), fennel, Florence lettuce, head and leaf, orach, parsley, purslane, garden and winter, radicchio (red chicory), rhubarb, salad, corn, spinach, spinach, New Zealand and Swiss, Swiss chard.

Brassica (Cole) Leafy Vegetables Broccoli, broccoli, Chinese (gai lan) and raab (rapini), Brussels sprouts, cabbage, Chinese (bok choy), Chinese (napa) and Chinese mustard (gai choy), cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens.

Legume Vegetables (succulent or dried) Bean (*Lupinus*) (includes grain lupin, sweet lupin, white lupin and white sweet lupin), bean (*Phaseolus*) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean), bean (*Vigna*) (includes adzuki bean, asparagus bean, black-eyed pea, catjang, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean), broad bean (fava), chickpea (garbanzo), guar, jackbean, lablab bean, lentil, pea (*Pisum*) (includes dwarf pea, edible podded pea, English pea, field pea, garden pea, green pea, snowpea, sugar snap pea), pigeon pea, soybean, soybean (immature seed), sword bean.

Foliage of Legume Vegetables Plant parts of any legume vegetable included in the legume vegetables that will be used as animal feed.

Fruiting Vegetables (except cucurbits) Eggplant, groundcherry (*Physalis* sp.), pepino, pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, tomato.

Cucurbit Vegetables Chayote (fruit), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra), *Momordica* sp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber), muskmelon (includes cantaloupe), pumpkin, squash, summer squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash and spaghetti squash), watermelon.

26/34

Citrus Fruits Calamondin, citrus citron, citrus hybrids (includes chironja, tangelo, tangor) grapefruit, kumquat, lemon, lime mandarin (tangerine) orange, sour, orange, sweet, pummelo Satsuma mandarin

Pome Fruits Apple, crabapple loquat, mayhaw, pear pear oriental, quince

Stone Fruits Apricot cherry sweet cherry tart nectarine, peach, plum, plum, Chickasaw, Damson and Japan rose, plumcot, prune (fresh)

Berries and Small Fruits Blackberry, Blueberry Cranberry, Currant, Dewberry, Elderberry, Gooseberry Grape, Huckleberry, Loganberry, Olalle Berry, Raspberry (black and red), Strawberry and Youngberry

Tree Nuts Almond Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin Filbert (hazelnut), Hickory nut Macadamia nut Pecan, walnut Black and English

Cereal Grains Barley Buckwheat Corn Millet pearl and proso, Oats, Popcorn Rice Rye Sorghum (milo), Teosinte, Triticale, Wheat, Wild rice

Herb and Spices Allspice, Angelica, Anise, Anise star Annatto (seed), Balm, Basil Borage Burnet, Camomile, Caper buds, Caraway Caraway, black, Cardamom, Cassia bark and buds Catnip, Celery seed Chervil (dried) Chive, Chive Chinese Cinnamon Clary, Clove buds, Coriander leaf (cilantro or Chinese parsley), Coriander seed (cilantro), Costmary Cilantro (leaf), Culantro (seed), Cumin, Curry (leaf), Dill (dillweed) Dill (seed), Fenel (common) Fenel, Florence (seed), Fenugreek, Grains of paradise and horehound, Hyssop, Juniper berry, Lavender, Lemongrass Lovage (leaf and seed), Mace Margold, Marjoram, Mustard (seed), Nasturtium, Nutmeg, Parsley (dried), Pennyroyal, Pepper, black and white, Poppy (seed) Rosemary Rue, Saffron, Sage, Savory summer and winter Sweet bay Tansy Tarragon Thyme, Vanilla, Wintergreen, Woodruff and Wormwood

Oriental Vegetables Acerola, Atemoya, Balsam pear (bitter melon) Carambola Chinese broccoli (Gai Lan), Chinese cabbage (Bok Choy, Napa), Chinese longbeans, Chinese mustard cabbage (Gai Choy), Chinese spinach Chinese waxgourd Cilantro, Citron melon Dasheen, Ginger, Ginseng, Japanese artichoke, Japanese radish (Daikon) Mung beans Rambutan and Water chestnuts

Subtropical Fruits Avocado, Banana, Barbados cherry, Carob Cherimoya, Dates, Durian (jackfruit), Feijoa, Figs, Guava, Kiwifruit, Lychee, Mango, Papaya, Passion fruit, Paw Paw, Persimmon, Pineapple and Pomegranate

Additional Plants Artichoke Asparagus Avocado Coffee, Cotton, Hops Jojoba Mushroom, Okra, Peanuts, Pineapple, Safflowers Sesame Sugar Cane Sunflowers and Tea

Ornamentals African violet, Ageratum, Aster, Azalea, Begonia, Cacti, Calceolaria Calendula Calla, Camellia, Carnation, Ceandhus, Cineraria, Chrysanthemum Coleus, Cyclamen, Cypress, Daffodil, Denia, Delphinium, Dogwood Fern Ficus Foliage plants Fuschia, Gardenia Geranium Gladiolus Gloxinia Gypsophila, Holly Hydrangea, Iris Lilies, Maidenhair fern, Mangold, Juniper, Narcissus, Palm, Pansy, Petergonium Peony, Petunia, Philodendron, Phlox, Pine, Pyracantha, Rhododendron, Roses, Rubber Plant, Snapdragon, Stock, Sweet pea, Tulips, Viburnum Wandering Jew, Yew, Zinnia and Andromeda Arborvitae, Ash Beech Birch, Boxwood, Cotoneaster, Crabapple, Dogwood, Elm, Euonymus, Fir Firethorn, Forsythia, Hawthorn, Hemlock Hickory, Holly, Honey locust, Horst chestnut, Juniper Larch, Laurel Lilac Linden, Mimosa (Silk tree), Myrtle, Oak, Pine, Privet, Tulip tree Viburnum Willow and Yew

For Use on Home Greenhouse Flowers, Foliage Plants, Fruit and Vegetables

Dilute 1 fluid teaspoon of concentrate per gallon of water Apply at the rate of 1 gallon per 2 722 square feet

Phytotoxicity Note Plant safety is an important consideration when using insecticides in a greenhouse However, it is not possible to evaluate the phytotoxicity of this product [product name] towards numerous plant varieties that may react differently to insecticides in different stages or under varying environmental conditions Before making widespread applications of this product [product name], treat a limited number of plants and observe for phytotoxicity over a 10 day period

Use with Hydroponically Grown Vegetables

As a Water System Treatment To kill aquatic diptera larvae, apply this product [product name] to the water at the rates outlined in the following table

Pyrethrins Concentrate	ml of	Gallons of Water
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(ppm)	This Product	
0.1	64.6	1 (3.78 L)
0.01	6.46	1 (3.78 L)
0.001	0.646	1 (3.78 L)

For Use on Harvested Fruits and Vegetables Including Apples, Blackberries, Blueberries, Boysenberries, Cherries, Crabapples, Currants, Dewberries, Figs, Gooseberries, Grapes, Guavas, Loganberries, Mangoes, Muskmelons, Oranges, Peaches, Pears, Peas, Pineapples, Plums, Raspberries and Tomatoes

Storage and Disposal

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

Pesticide Storage Store in original container in a cool, dry (preferably locked) storage area away from children and pets. **Pesticide/Container Disposal** Non-refillable container, do not reuse or refill this container. **If empty**, place in trash or offer for recycling if available. **If partly filled**, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container }

WARRANTY STATEMENT

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label when used only in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent consistent with applicable law, Control Solutions, Inc. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product; all such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein and to the extent consistent with applicable law, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including but not limited to merchantability, fitness for a particular purpose and/or use, or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc.'s election, the replacement of this product.

[Manufactured for] [Distributed by] [Manufactured by]

Control Solutions, Inc

5903 Genoa Red Bluff
Pasadena, TX 77507-1041

{Marketing Claims}

- Can be mixed with other insecticides and IGR's for quick knockdown of adult fleas
- Contains Pyrethrins [, a botanical insecticide]
- For use on {select from sites listed in Directions for Use}
- For use in and around Residential Buildings and Outdoor Residential Areas
- For use on Bushes, Evergreens, Flowers, Fruits, Fruit and Nut Trees, Herbs and Spices, Nuts, Ornamental, Roses, Shade Trees and Vegetables
- For use on [growing crops,] [ornamentals] [on livestock] [as well as] [in and around buildings and structures]

- For use on [crops] [plants] grown outdoors and in home greenhouses
- Kills {select from insects listed on label}
- Kills [cockroaches,] [flies] [fleas,] [ticks,] [beetles,] [moths,] [bed bugs] [swarming termites,] [carpet beetles]
- Kills flies, mosquitoes and [biting and sucking] lice on cattle hogs, goats horses, poultry and sheep
- Mattress treatment for bed bugs
- May be combined with other insecticides [and acaricides' [where resistance may be a problem] to provide a flushing of insects
- Multi Purpose quick kill insecticide
- Quick knockdown and kill of listed insects

{End of Marketing Claims}

[] Denotes alternate/optional language

{ } Denotes language that does not appear on the market labeling

29/34

{Subpart C Label Wide Area Mosquito Adulticide Applications }

{Front panel}

CSI PY-PBO 6-60 Concentrate

[[Select marketing claims from "Marketing Claims" section]]

Active Ingredients

Pyrethrins (CAS No 8003 34 7)	6%
Piperonyl butoxide* (CAS No 51 03 6)	60%

Other Ingredients

Total	34%
	100%

*(butyl carbityl)(6 propylpiperonyl) ether and related compounds

Keep Out of Reach of Children
CAUTION
See back [side] panel for additional Precautionary Statements

EPA Reg No 53883 __ EPA Est _____

Net Contents ____ [(____ fl oz) (____ mL)]
{1 fluid ounce to 55 gallons}

First Aid

If Swallowed	<ul style="list-style-type: none"> Immediately call a poison control center or doctor for treatment advice Have person sip a glass of water if able to swallow Do not induce vomiting unless told to do so by a poison control center or a doctor Do not give anything by mouth to an unconscious person
If on Skin or Clothing	<ul style="list-style-type: none"> Take off contaminated clothing Immediately rinse skin with plenty of water for 15 20 minutes Call a poison control center or doctor for treatment advice
<p>Have the product container or label with you when calling the poison control center or doctor or going for treatment You may also contact SafetyCall® International (866) 897 8050 for emergency medical treatment information</p>	

{The First Aid statements grid format will be used if market label space permits otherwise a paragraph format will be used }

{Back/Side Panel}

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION Harmful if swallowed Avoid contact with skin or clothing Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals Wear long sleeved shirt and long pants socks, shoes and chemical resistant gloves (such as Barrier Laminate Nitrile Rubber, Neoprene Rubber or Viton, Selection Category

30 / 34

E) Thoroughly wash hands with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear Long sleeved shirt, long pants shoes and socks

In addition to the above PPE, applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH approved respirator with a dust/mist filter with a MSHA/NIOSH approval number prefix TC 21C or any N, R, P or HE filter

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear a half face, full face or hood style NIOSH approved respirator with

- a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TX 21C) or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TX 14G) or
- a cartridge or canister with any N, R, P or HE filter

See engineering controls for additional requirements

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

Engineering Controls

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(6)). Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) for mechanical flaggers.

User Safety Recommendations

Users should

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Immediately remove clothing if pesticide gets inside, then thoroughly wash and put on clean clothing
- Immediately remove Personal Protection Equipment after handling this product
- Wash the outside of gloves before removing
- As soon as possible, thoroughly wash and change into clean clothing

Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present and weather

conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body Do not contaminate bodies of water when disposing of equipment rinsate or washwaters

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner of inconsistent with its labeling

Restrictions and Precautions

For use by Federal, state, tribal or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications or by persons under their direct supervision

- Apply this product only as specified on the label
- Except when applying as a wide area mosquito adulticide, do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated
- Except when applying this product as a wide area mosquito adulticide do not apply this product in a way that will contact workers or other persons either directly or through drift
- Except when applying this product as a wide area mosquito adulticide, on protected handlers may be in the area during application
- Do not use in outdoor residential misting systems

How to Apply Before making the first application in a season it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist

This product [product name] may be used for mosquito control programs involving agricultural areas, industrial recreational and residential as well as marshes, pastures, overgrown waste areas roadsides and swamps, where adult mosquitoes occur This product [product name] may be used over agricultural crops prior to harvest for the control of adult mosquitoes within or adjacent to these areas For best results apply when meteorological conditions create a temperature inversion and wind speed does not exceed 5 miles per hour Make the application so the wind will carry the insecticidal fog into the area being treated Do not apply more than 0.2 pounds [lbs] pyrethrin per acre per year (226.75 g/Ha/year) and 2 pounds [lbs] piperonyl butoxide per acre per year (2,267.5 g/Ha/year) in any treated area More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito borne disease in animal or human populations or specifically approved by the state or tribe during a natural disaster recovery effort

Spray Droplet Size Determination Contact manufacturer of this product for spread factor of various diluting oils with this product

Ground-Based Equipment Spray equipment must be adjusted so that the volume median diameter (VMD) is 5 to 30 microns ($5\mu\text{m} \leq Dv\ 0.5 \leq 30\ \mu\text{m}$) and that 90% of the spray is contained in droplets smaller than 40 microns ($Dv\ 0.9 \leq 40\ \mu\text{m}$) Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra Application equipment must be tested annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated

When used in cold aerosol generators that product a fog with the majority of droplets in the 5-30 micron range Dilute this product [product name] with light mineral oil (specific gravity of approximately 0.6 at 60°F (15.5°C) boiling point 500-640°F (280-448°C) An N.F. grade oil is preferred

Aerial application Spray equipment must be adjusted so that the volume mean diameter produced is less than 60 ($Dv\ 0.5 < 60\ \mu\text{m}$) and that 90% of the spray is contained in droplets smaller than 100 microns ($Dv\ 0.9 < 100\ \mu\text{m}$) The effects of flight speed and for non rotary nozzles, nozzle angle on the droplet size spectrum must be considered

Directions from the equipment manufacturer or vendor, pesticide registrant or test facility using a wind tunnel and laser based measurement instruments must be used to adjust equipment to product acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate (s) are properly calibrated. Apply using a nozzle height of no less than 100 feet (30.5 m) above ground or canopy in a fixed wing aircraft or a height of no less than 75 feet (22.9 m) above the ground or canopy for a rotary wing aircraft.

Ground Application To kill adult mosquitoes and biting flies, apply up to 0.0025 pounds of pyrethrins and up to 0.025 pounds of piperonyl butoxide per acre (27.5 g of pyrethroids/Ha and up to 27.5 g of piperonyl butoxide/Ha) (use a 300 foot swath width for acreage calculations)

Truck Mounted ULV Application Dilute 5 parts of this product [product name] with 1 part of oil and apply at the rate of 2.225 fluid ounces (59.665 ml) per minute while the machine is traveling 5 miles per hour (8 Km/hour). Position the nozzle approximately 30 degrees above the horizontal off the side of the truck bed. The delivery rate and travel speed may be varied as long as the application rate is 0.022-0.0025 pounds of pyrethrins (2.25-2.83 g/Ha) and up to 0.025 pounds of piperonyl butoxide per acre (28.3 g/Ha) (use a 300 foot swath width for acreage calculations)

Backpack Sprayer Application Apply 0.002-0.0025 pounds (2.25-2.83 g/Ha) and 0.025 pounds of piperonyl butoxide of pyrethrins (28.3 g/Ha) per acre. Dilute 1 part of this product [product name] with 12 parts of oil and apply at the rate of 7 ounces per acre (496 g/Ha) (based on 50 foot swath). 7 ounces (198 g) apply while walking 870 feet (265m)

Aerial Application (Fixed Wing and Helicopter) To kill adult mosquitoes and biting flies, apply up to 0.0025 pounds of pyrethrins (2.83 g/Ha) and up to 0.025 pounds of piperonyl butoxide (28.3 g/Ha) per acre with equipment designed and operated to produce a ULV spray application.

{For product in rigid non refillable containers less than or equal to 5 gallons }

Storage and Disposal

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

Pesticide Storage Store in original container in a cool, dry place inaccessible to children and pets. Store away from food and pet food. **Pesticide Disposal** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling** Non refillable container, do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available, dispose of container in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

{For product in rigid non refillable containers greater than 5 gallons }

Storage and Disposal

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

Pesticide Storage Store in original container in a cool, dry place inaccessible to children and pets. Store away from food and pet food. **Pesticide Disposal** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling** Non refillable container, do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

*{For product in rigid refillable containers }***Storage and Disposal**

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

Pesticide Storage Store in original container in a cool, dry place inaccessible to children and pets. Store away from food and pet food. **Pesticide Disposal** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling** Refillable container: refill this container only with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller, cleaning before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water, then vigorously agitate or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure 2 more times, then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

*{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container }***WARRANTY STATEMENT**

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label when used only in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent consistent with applicable law, Control Solutions, Inc. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product, all such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein and to the extent consistent with applicable law, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose and/or use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc. election, the replacement of this product.

[Manufactured for] [Distributed by] [Manufactured by]

Control Solutions, Inc5903 Genoa Red Bluff
Pasadena, TX 77507 1041*{Marketing Claims}*

- ✓ • For mosquito control programs involving agricultural areas, industrial, recreational, and residential [as well as marshes, pastures, overgrown waste areas, roadsides, and swamps,] where adult mosquitoes occur.
- ? • May be applied through mechanical aerosol or ULV generators including thermal fogging equipment, backpack sprayers, and aerial applications.
 - May be used over agricultural crops prior to harvest for the control of adult mosquitoes within or adjacent to these areas.
- ✓ • Quick knockdown and kill of listed insects.
- ✓ • Wide Area Adult Mosquito Control [Application]

34/34

{End of Marketing Claims}

[] Denotes alternate/optional language

{ } Denotes language that does not appear on the market labeling