

# RESTRICTED USE PESTICIDE

For retail sale to and use only by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicator's certification.

## PYROFOS™ 42

Controlled Release Premise Insecticide



- Contains CapVantage™ Technology
- For use in and around Commercial Indoor & Outdoor Areas, Food Processing Establishments & Livestock Housing

### ACTIVE INGREDIENT:

Chlorpyrifos..... 41.85%

OTHER INGREDIENTS: ..... 58.15%

TOTAL: ..... 100.00%

### NET CONTENTS:

240 FL. OZ.



## KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for additional Precautionary Statements,  
First Aid and Directions for Use.

EPA Reg. No. 53883-394

EPA Est. No. 53883-TX-002



ADAMA

Manufactured for:

## Control Solutions Inc.

5903 Genoa-Red Bluff, Pasadena, TX 77507

A member of Adama  
Consumer and Professional Solutions

EPA021017

<b>FIRST AID</b>
This product contains an organophosphate that inhibits cholinesterase.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.
<b>NOTE TO PHYSICIAN:</b> If symptoms of cholinesterase inhibition are present, atropine sulphate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

### **PRECAUTIONARY STATEMENTS**

#### **CAUTION**

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in the treated area may be killed. Clean up spilled product to reduce exposure to wildlife. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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

#### **PHYSICAL AND CHEMICAL HAZARDS**

Do not spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. Do not spray directly onto or into any electronic equipment.

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

All mixers, loaders, applicators and handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of material such as Barrier Laminate, Butyl Rubber ≥ 14mils, Nitrile Rubber ≥ 14mils, Neoprene Rubber ≥ 14mils, Polyvinyl Chloride ≥ 14mils, or Viton ≥ 14mils.
- Chemical resistant apron when mixing or loading or exposed to the concentrate
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposures
- A filtering face piece NIOSH approved respirator (TC-84A) with any R or P filter.

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.

#### **DIRECTIONS FOR USE**

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

#### **USE RESTRICTIONS**

- Not for Residential Use
- Do not contaminate food, feedstuffs or water supply
- All food contact surfaces and cooking utensils must be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse.
- Cover fish tanks prior to application.
- **DO NOT:**
  - o apply to humans, their clothing or bedding,
  - o allow children or pets to come in contact with treated surfaces until spray has dried,
  - o contaminate food or use on household pets
  - o contaminate food preparation surfaces, kitchen utensils, dishes, or feed storage containers.

## PRODUCT INFORMATION

**Pyrofos 42** is a liquid microencapsulated concentrate containing the active ingredient chlorpyrifos [for use in and around (within 6 to 10 feet) the following sites:

Calf Hutches and Calving Pens and Parlors; Cargo Holds of Ships, Empty Chicken Houses, Food and Non-Food Areas of Manufacturing, Industrial Plants and Food Processing Plants; Hog Barns; Milk Rooms; Railroad Boxcars]

**Pyrofos 42** may be used to treat any surface which will not be damaged or marked by water. Heavy applications may leave a noticeable deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

**Pyrofos 42 Controls:** Angoumois Grain Moths, Aphids, Ants(except carpenter, fire, harvester, and pharaoh), Bees, Beetles, Boxelder Bugs, Cadelles, Carpet Beetles, Cigarette Beetles, Clover Mites, Cluster Flies, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indian Meal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Rod Flour Beetle, Saw-toothed Grain Beetles, Scale, Silverfish, Sowbugs, Spiders(except black widow and brown recluse), Stink Bugs, Trogoderma, and Weevils (Granary Weevils and Rice Weevils)

### MIXING INSTRUCTIONS:

**Shake product well before diluting.**

Before using **Pyrofos 42**, thoroughly clean spray equipment. When diluting, first add approximately 1/2 of the water to the spray tank and then add the proper amount of **Pyrofos 42**. Add the remaining water and agitate the sprayer thoroughly. Agitate sprayer frequently during use to ensure even coverage. Shake or re-agitate sprayer if spraying is interrupted or if dilution is left in sprayer overnight. When emptying the bottle, triple rinse with water and add the rinsate to the spray tank.

If used, spray screens must be 50 mesh or larger.

In situations where conventional application methods have not or are not likely to provide sufficient coverage, foam generating equipment or similar equipment may be used to provide a continuous coverage. Use drier foam inside wall voids to avoid any water damage or electrical short circuits.

## COMMERCIAL INDOOR TREATMENTS

**FOR USE IN:** Food and non-food areas of manufacturing, industrial, and food processing plants, warehouses, ship holds, and railroad boxcars.

**Application within food areas is limited to spot and/or crack and crevice treatments. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot. Do not re-apply more than once every 7 days.**

**SPRAY DILUTION CHART:** Dilute **Pyrofos 42** with water as indicated in the chart below.

Amount of Finished Spray	0.25% Spray	0.5% Spray
1 gallon	0.7 fl. oz.	1.4 fl. oz.
3 gallons	2.1 fl. oz.	4.1 fl. oz.
5 gallons	3.4 fl. oz.	6.9 fl. oz.
10 gallons	6.8 fl. oz.	13.8 fl. oz.

**NOTE:** Use the higher rate for clean-outs, for longer residual control or for high insect infestations.

Apply **Pyrofos 42** as a crack and crevice residual product where insects may be hiding, living and breeding and/or for selected spot treatment.

## PESTS

Cockroaches, crickets, dermestid beetles, earwigs, firebrats, millipedes, psocids, silverfish, sowbugs, spiders (except black widow or brown recluse)	Spot treat and/or make crack and crevice injections into areas where insects are normally found for example crack and crevices, void areas, moist areas, openings around pipes, sinks and under refrigerators. Do not re-apply more than once every 7 days.
Carpet beetles (Dermestids)	Thoroughly apply the spray as a spot treatment along edges of carpet, under carpet edge (if necessary), under furniture and throw rugs. Use as a crack and crevice application in closets and other shelving where infested items are stored. DO NOT treat clothing with this product. Do not re-apply more than once every 7 days.
For exposed adult and larval stages of grain mites, stored product beetles, grain weevils and stored product moths	Inject into cracks and crevices and/or voids where these insects may be hiding. Infested areas include, but are not limited to, cracks and crevices in cabinets, pantries, wall voids and in machinery. Do not re-apply more than once every 7 days.
Ants (except carpenter, fire, harvester, or pharaoh)	Inject cracks, crevices, and voids where ants may be traveling and/or hiding, around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Inject into cracks and crevices and/or voids where these insects may be hiding or hibernating. Infested areas include, but are not limited to, cracks and crevices in weep holes, wall voids, around window and door frames, and under siding. Do not re-apply more than once every 7 days. Treat wall area around entry points on exterior where insects gather.

## APPLICATIONS IN FOOD PROCESSING ESTABLISHMENTS

**FOR USE IN:** Food and Non-Food Areas of Manufacturing, Industrial and Food Processing Plants. Non-food areas include boiler rooms, garbage rooms, drains (to sewers), entries and vestibules, machine rooms, garages, mop closets, and storage (after canning or bottling). Treating within food areas of food processing plants is limited to spot and/or crack and crevice treatments.

Treat where insects are found or normally occur. Application of a 0.25% solution is suitable for control of light pest infestations (i.e. maintenance applications). Applications of a 0.5% solution provides residual control of heavy infestations (i.e. clean-out applications) and where extended residual control is desired. A period of 4-7 days is usually required to observe maximum effectiveness on insect populations. Do not re-apply more than once per every 7 days. Apply spray solution so that spray drift is minimized to avoid non-target surfaces. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot.

## COMMERCIAL OUTDOOR BUILDING TREATMENTS

Outdoor commercial perimeter applications - manufacturing, industrial, and food-processing plants and warehouses	To help prevent infestations of buildings, treat band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2-3 ft and where pests are active and may find entrance. Treat other insect entry points around doors, windows, under decks and on fences. This product may be applied in compressed air equipment or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.2 to 0.8 fl oz per 1,000 sq ft. For larger spray equipment, use 2.3 to 4 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)
Ants (except carpenter, fire, harvester, and pharaoh), crickets, and other crawling insects	For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, spray infested areas thoroughly. For ants thoroughly wet hills and runways. Repeat applications as infestation warrants and as re-infestations occur. Apply at a rate of 1.4 fluid ounces per gallon
Flies	Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at a rate of 2.3 to 4 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as inside and outside dumpsters, and other garbage containers and garbage storage bins or areas. Apply at a rate of 1.4 fluid ounces per gallon
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Apply into cracks, crevices, and voids where insects may be harboring or hibernating, such as wall voids, weep holes, crevices around door or window frames, and under siding. Apply to outdoor wall surfaces around entry points where insects congregate. Apply at a rate of 1.4 fluid ounces per gallon Repeat as needed, at least 7 days apart.

## LIVESTOCK HOUSING

**FOR USE IN:** Livestock Housing and Holding Areas (Hog Barns, Empty Chicken Houses, Milk rooms, Calf Hutches, Calving Pens, and Parlors).

**Pyrofos 42** may be applied in compressed air backpack or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.2 – 0.8 fl oz per 1,000 sq ft. For larger spray equipment, use 2.3 to 4 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)

**Restrictions:**

- Do not apply to animals.
- Do not contaminate milk, food, or drinking water.
- Remove all animals prior to making application to housing.
- Do not apply or allow insecticide to drift into animals.
- Do not allow animals to enter treated areas until surfaces are dry.

Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at rate of 2.3 to 4 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as screen doors, window frames, light fixtures, ceilings and upper corners, inside and outside dumpsters, and other garbage containers and garbage storage bins or areas.

For control of darkling beetles in poultry production facilities mix **Pyrofos 42** at a rate of 0.9 to 2.3 ounces/1,000 sq. ft. of floor area, in .5 gallons of water/1,000 sq. ft. of floor area. Apply to litter, paying particular attention to areas under feeder lines, water lines, and the perimeter. Conduct application as close to bird placement as possible. Repeat applications may be made just prior to placement of each flock. It is important to rotate chemical classes of insecticides on as part of a rotation program to avoid resistance to any class of insecticides.

For control of other pests and to help prevent infestations of buildings, treat a band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation and sides where pest are active and may enter. Treat other insect entry points such as doors, windows, under siding and eaves of structure.

## STORAGE AND DISPOSAL

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

**STORAGE AND SPILL PROCEDURES:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**CONTAINER DISPOSAL:**

*For Containers equal to or less than 5 Gallons:* Nonrefillable 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 ¼ 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, then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

### 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 only when used 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, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed 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, use or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, 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.

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### ACTIVE INGREDIENT:

Chlorpyrifos..... 41.85%

OTHER INGREDIENTS: ..... 58.15%

TOTAL: ..... 100.00%

### NET CONTENTS:

240 FL. OZ.

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

See inside booklet for additional Precautionary Statements,  
First Aid and Directions for Use.

EPA Reg. No. 53883-394

EPA Est. No. 53883-TX-002



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#### ACTIVE INGREDIENT:

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OTHER INGREDIENTS: ..... 58.15%

TOTAL: ..... 100.00%

**NET CONTENTS:**  
250 GALLONS  
(946.35 LITERS)



### KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for additional Precautionary Statements,  
First Aid and Directions for Use.

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#### FIRST AID

This product contains an organophosphate that inhibits cholinesterase.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.

**NOTE TO PHYSICIAN:** If symptoms of cholinesterase inhibition are present, atropine sulphate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

#### PRECAUTIONARY STATEMENTS CAUTION

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in the treated area may be killed. Clean up spilled product to reduce exposure to wildlife. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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

#### PHYSICAL AND CHEMICAL HAZARDS

Do not spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. Do not spray directly onto or into any electronic equipment.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

- All mixers, loaders, applicators and handlers must wear:
- Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves made of material such as Barrier Laminate, Butyl Rubber ≥ 14mils, Nitrile Rubber ≥ 14mils, Neoprene Rubber ≥ 14mils, Polyvinyl Chloride ≥ 14mils, or Viton ≥ 14mils.
  - Chemical resistant apron when mixing or loading or exposed to the concentrate
  - Chemical-resistant footwear plus socks
  - Chemical-resistant headgear for overhead exposures
  - A filtering face piece NIOSH approved respirator (TC-84A) with any R or P filter.

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.

#### DIRECTIONS FOR USE

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

#### USE RESTRICTIONS

- Not for Residential Use
- Do not contaminate food, feedstuffs or water supply
- All food contact surfaces and cooking utensils must be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse.
- Cover fish tanks prior to application.
- **DO NOT:**
  - apply to humans, their clothing or bedding,
  - allow children or pets to come in contact with treated surfaces until spray has dried,
  - contaminate food or use on household pets
  - contaminate food preparation surfaces, kitchen utensils, dishes, or feed storage containers.

#### PRODUCT INFORMATION

**Pyrofos 42** is a liquid microencapsulated concentrate containing the active ingredient chlorpyrifos [for use in and around (within 6 to 10 feet) the following sites:

Calf Hutches and Calving Pens and Parlors; Cargo Holds of Ships, Empty Chicken Houses, Food and Non-Food Areas of Manufacturing, Industrial Plants and Food Processing Plants; Hog Barns; Milk Rooms; Railroad Boxcars]

**Pyrofos 42** may be used to treat any surface which will not be damaged or marked by water. Heavy applications may leave a noticeable deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

**Pyrofos 42 Controls:** Angoumois Grain Moths, Aphids, Ants(except carpenter, fire, harvester, and pharaoh), Bees, Beetles, Boxelder Bugs, Cadelles, Carpet Beetles, Cigarette Beetles, Clover Mites, Cluster Flies, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indian Meal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Rod Flour Beetle, Saw-toothed Grain Beetles, Scale, Silverfish, Sowbugs, Spiders(except black widow and brown recluse), Stink Bugs, Trogoderma, and Weevils (Granary Weevils and Rice Weevils)



**MIXING INSTRUCTIONS:**

Shake product well before diluting.

Before using **Pyrofos 42**, thoroughly clean spray equipment. When diluting, first add approximately 1/2 of the water to the spray tank and then add the proper amount of **Pyrofos 42**. Add the remaining water and agitate the sprayer thoroughly. Agitate sprayer frequently during use to ensure even coverage. Shake or re-agitate sprayer if spraying is interrupted or if dilution is left in sprayer overnight. When emptying the bottle, triple rinse with water and add the rinsate to the spray tank.

If used, spray screens must be 50 mesh or larger.

In situations where conventional application methods have not or are not likely to provide sufficient coverage, foam generating equipment or similar equipment may be used to provide a continuous coverage. Use drier foam inside wall voids to avoid any water damage or electrical short circuits.

**COMMERCIAL INDOOR TREATMENTS**

**FOR USE IN:** Food and non-food areas of manufacturing, industrial, and food processing plants, warehouses, ship holds, and railroad boxcars.

**Application within food areas is limited to spot and/or crack and crevice treatments. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot. Do not re-apply more than once every 7 days.**

**SPRAY DILUTION CHART:** Dilute **Pyrofos 42** with water as indicated in the chart below.

Amount of Finished Spray	0.25% Spray	0.5% Spray
1 gallon	0.7 fl. oz.	1.4 fl. oz.
3 gallons	2.1 fl. oz.	4.1 fl. oz.
5 gallons	3.4 fl. oz.	6.9 fl. oz.
10 gallons	6.8 fl. oz.	13.8 fl. oz.

**NOTE:** Use the higher rate for clean-outs, for longer residual control or for high insect infestations.

Apply **Pyrofos 42** as a crack and crevice residual product where insects may be hiding, living and breeding and/or for selected spot treatment.

**PESTS**

Cockroaches, crickets, dermestid beetles, earwigs, firebrats, millipedes, psocids, silverfish, sowbugs, spiders (except black widow or brown recluse)	Spot treat and/or make crack and crevice injections into areas where insects are normally found for example crack and crevices, void areas, moist areas, openings around pipes, sinks and under refrigerators. Do not re-apply more than once every 7 days.
Carpet beetles (Dermestids)	Thoroughly apply the spray as a spot treatment along edges of carpet, under carpet edge (if necessary), under furniture and throw rugs. Use as a crack and crevice application in closets and other shelving where infested items are stored. DO NOT treat clothing with this product. Do not re-apply more than once every 7 days.
For exposed adult and larval stages of grain mites, stored product beetles, grain weevils and stored product moths	Inject into cracks and crevices and/or voids where these insects may be hiding. Infested areas include, but are not limited to, cracks and crevices in cabinets, pantries, wall voids and in machinery. Do not re-apply more than once every 7 days.
Ants (except carpenter, fire, harvester, or pharaoh)	Inject cracks, crevices, and voids where ants may be traveling and/or hiding, around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Inject into cracks and crevices and/or voids where these insects may be hiding or hibernating. Infested areas include, but are not limited to, cracks and crevices in weep holes, wall voids, around window and door frames, and under siding. Do not re-apply more than once every 7 days. Treat wall area around entry points on exterior where insects gather.

**APPLICATIONS IN FOOD PROCESSING ESTABLISHMENTS**

**FOR USE IN:** Food and Non-Food Areas of Manufacturing, Industrial and Food Processing Plants. Non-food areas include boiler rooms, garbage rooms, drains (to sewers), entries and vestibules, machine rooms, garages, mop closets, and storage (after canning or bottling). Treating within food areas of food processing plants is limited to spot and/or crack and crevice treatments.

Treat where insects are found or normally occur. Application of a 0.25% solution is suitable for control of light pest infestations (i.e. maintenance applications). Applications of a 0.5% solution provides residual control of heavy infestations (i.e. clean-out applications) and where extended residual control is desired. A period of 4-7 days is usually required to observe maximum effectiveness on insect populations. Do not re-apply more than once per every 7 days. Apply spray solution so that spray drift is minimized to avoid non-target surfaces. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot.

**COMMERCIAL OUTDOOR BUILDING TREATMENTS**

Outdoor commercial perimeter applications - manufacturing, industrial, and food-processing plants and warehouses	To help prevent infestations of buildings, treat band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2-3 ft and where pests are active and may find entrance. Treat other insect entry points around doors, windows, under decks and on fences. This product may be applied in compressed air equipment or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.2 to 0.8 fl oz per 1,000 sq ft. For larger spray equipment, use 2.3 to 4 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)
Ants (except carpenter, fire, harvester, and pharaoh), crickets, and other crawling insects	For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, spray infested areas thoroughly. For ants thoroughly wet hills and runways. Repeat applications as infestation warrants and as re-infestations occur. Apply at a rate of 1.4 fluid ounces per gallon
Flies	Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at a rate of 2.3 to 4 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as inside and outside dumpsters, and other garbage containers and garbage storage bins or areas. Apply at a rate of 1.4 fluid ounces per gallon
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Apply into cracks, crevices, and voids where insects may be harboring or hibernating, such as wall voids, weep holes, crevices around door or window frames, and under siding. Apply to outdoor wall surfaces around entry points where insects congregate. Apply at a rate of 1.4 fluid ounces per gallon Repeat as needed, at least 7 days apart.

**LIVESTOCK HOUSING**

**FOR USE IN:** Livestock Housing and Holding Areas (Hog Barns, Empty Chicken Houses, Milk rooms, Calf Hutches, Calving Pens, and Parlors).

**Pyrofos 42** may be applied in compressed air backpack or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.2 – 0.8 fl oz per 1,000 sq ft. For larger spray equipment, use 2.3 to 4 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)

**Restrictions:**

- Do not apply to animals.
- Do not contaminate milk, food, or drinking water.
- Remove all animals prior to making application to housing.
- Do not apply or allow insecticide to drift into animals.
- Do not allow animals to enter treated areas until surfaces are dry.

Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at rate of 2.3 to 4 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as screen doors, window frames, light fixtures, ceilings and upper corners, inside and outside dumpsters, and other garbage containers and garbage storage bins or areas.

For control of darkling beetles in poultry production facilities mix **Pyrofos 42** at a rate of 0.9 to 2.3 ounces/1,000 sq. ft. of floor area, in .5 gallons of water/1,000 sq. ft. of floor area. Apply to litter, paying particular attention to areas under feeder lines, water lines, and the perimeter. Conduct application as close to bird placement as possible. Repeat applications may be made just prior to placement of each flock. It is important to rotate chemical classes of insecticides on as part of a rotation program to avoid resistance to any class of insecticides.

For control of other pests and to help prevent infestations of buildings, treat a band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation and sides where pest are active and may enter. Treat other insect entry points such as doors, windows, under siding and eaves of structure.

**STORAGE AND DISPOSAL**

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

**STORAGE AND SPILL PROCEDURES:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**CONTAINER DISPOSAL:**

*For Containers equal to or less than 5 Gallons:* Nonrefillable 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 ¼ 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, then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**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 only when used 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, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed 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, use or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, 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.

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