E-PRO
Adulticide Spray

CONTROLS:  Black Flies, Eye Gnats, Deer Flies, Face Flies, Fleas, Horn Flies, Horse Flies, House Flies, Stable Flies, Lice, Mange Mites, Northern Foul Mites, Scabies Mites, Sheep Keds, Ticks

FOR USE IN:  Barns, Dairies, Feedlots, Poultry Houses, Stables, Swine and Livestock Premises

FOR USE ON:  Beef Cattle and Sheep, Lactating and Non-Lactating Dairy Cattle and Goats, Poultry, Swine and Horses

DO NOT USE ON CATS OR KITTENS

ACTIVE INGREDIENT:
Permethrin* ........................................... 36.8%

OTHER INGREDIENTS**: ........................................... 63.2%

TOTAL: ........................................... 100.0%

*Cis/trans ratio: Max. 42% (+) cis and min. 58% (+) trans
**Contains petroleum distillates.

This product contains 3.2 pounds permethrin per gallon.

KEEP OUT OF REACH OF CHILDREN

See inside label booklet for additional PRECAUTIONARY STATEMENTS

EPA Reg. No. 89459-66
EPA Est. No. 2724-TX-1

NET CONTENTS:
1 QT (32 FL OZ)
Measurements are in inches.
The total number of pages must be divisible by four (4).
The maximum number of pages is forty (40).

Harmful if swallowed, inhaled, or absorbed through the skin. Causes moderate eye irritation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

NOTICE: This product can expose you to naphthalene which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

NOTES LEGEND

Central Life
Envincio 28pg ECL

File No.: T00361
Supercedes: N/A

Manufactured for:
Central Garden & Pet Company
1501 East Woodfield Road 200W
Schaumburg, IL 60173

EPA Reg. No. 89459-66
EPA Est. No. 2724-TX-1

300524353

®

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Causes moderate eye irritation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

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**NOTES LEGEND**

- Central Life
- Envincio 28pg ECL
- File No.: T00361
- Supersedes: N/A
- Description: N/A
- Supplied for: Copy Image Area
- Base Cut/Fold Lines
- PAGE 2
- PAGE 3
- PAGE 4
- PAGE 5

**FIRST AID**

- **If swallowed:**
  - Immediately call a poison control center or doctor.
  - Do not induce vomiting unless told to do so by the poison control center or doctor.
  - Do not give any liquid to the person.
  - Do not give anything by mouth to an unconscious person.

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

- **If in eyes:**
  - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center or doctor for treatment advice.

- **If inhaled:**
  - Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
  - Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER:**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-347-8272, 24 hours per day, 7 days per week.

**NOTE TO PHYSICIAN:**

Contains petroleum distillate — vomiting may cause aspiration pneumonia.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

All pesticide handlers (mixers, loaders, and applicators) must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves made of Barrier Laminate or Viton. After the product is diluted in accordance with label directions for use and/or when mixing and loading using a closed spray tank transfer system or an in-line injector system, shirt, pants, socks, shoes, and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device when working in a non-ventilated space and all pesticide handlers must wear.

**WARNING:**

- Do not use on cats or kittens. May be toxic or potentially fatal if applied to or ingested by cats.
- If applied to the skin or clothing of a recently treated dog, accidental application may result in tremors and/or uncoordinated muscle movements. If this occurs, immediate veterinary care should be provided.
- Accidental application to cats or kittens is potentially fatal. Call animal poison control center or veterinarian immediately for advice.
- DO NOT USE ON CATS OR KITTENS.
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USER SAFETY REQUIREMENTS
Follow manufacturer’s instructions for cleaning and 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 heavily contaminated with this product’s concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS
Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then, wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing them. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS
This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply this product or allow it to drift to crops or weeds on which bees are foraging. Additional information may be obtained from your Cooperative Extension Service.

This product is extremely toxic to aquatic organisms, including fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to

**NOTES LEGEND**
- Copy Image Area
- Base Cut/Fold Lines
aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

**PHYSICAL OR CHEMICAL HAZARDS**

**COMBUSTIBLE:** Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**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 or greenhouses. Do not allow people or pets on treated surfaces until the spray has dried. Do not touch treated surface until dry.

**USE INFORMATION**

*Note:* When applying to or around vinyl and aluminum siding, treat a small test area in a non-obtrusive area and allow to dry. Some types of vinyl and aluminum siding, particularly if aged or weathered or during periods of high temperature or high humidity, may show some staining after application of an emulsifiable concentrate product.

Staining may also occur on certain surfaces such as brick, cinder block, stucco and wood. Immediately remove spray deposits on painted or stained surfaces or finishes by washing with soap and water to prevent discoloration. Do not apply to surface where visible spray residues are objectionable.

**USE RESTRICTIONS:**

- Use only in well ventilated areas.
- Do not breathe vapors or spray mist.
- Do not touch treated surfaces until dry.
- Do not apply to sources of electricity.
- Except when applying to livestock, do not enter or allow others to enter until spray has dried.
- Do not allow people or pets on treated surfaces until the spray has dried.
- Do not use concentrated or emulsion

### Additional Notes

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driveways, patios, porches, and structural surfaces (such as windows, doors, and eaves) are limited to crack-and-crevice applications, only.

- Do not use this product in indoor or outdoor residential misting systems.
- Do not water the treated area to the point of runoff.
- Do not apply this product when it is raining.
- Except when applying to livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying to livestock, only protected handlers may be in the area during application.
- Except when applying to sewers or drains as instructed on this label, do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.

Spray Drift Precautions:
- All ground application equipment must be properly maintained and calibrated using appropriate carriers. Do not make ground applications during temperature inversions. Make ground applications when the wind velocity favors on target product dispersion (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Do not apply by ground equipment within 25 feet of lakes, marshes or natural ponds, reservoirs, rivers, permanent streams, estuaries, and commercial fish farm ponds.

RESIDENTIAL PEST CONTROL
- Do not tank-mix this product with dichlorvos (DDVP) containing products. This product can be tank-mixed with Insect Growth Regulators (IGR’s) or pyrethrin containing products. When mixing Starbar® E-Pro Adulticide Spray (E-Pro) with other products, observe all precautions and limitations of the labels of each product. To prepare the emulsion, dilute E-Pro with water only. To prepare a 0.5% emulsion, mix 1.6 fl oz (50 ml) in 1 gallon of water.

E-Pro is an emulsifiable concentrate to be diluted with water and used to control pests around structures. The pests controlled are listed in the accompanying tables.

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- All ground application equipment must be properly maintained and calibrated using appropriate carriers. Do not make ground applications during temperature inversions. Make ground applications when the wind velocity favors on target product dispersion (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Do not apply by ground equipment within 25 feet of lakes, marshes or natural ponds, reservoirs, rivers, permanent streams, estuaries, and commercial fish farm ponds.

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- Do not tank-mix this product with dichlorvos (DDVP) containing products. This product can be tank-mixed with Insect Growth Regulators (IGR’s) or pyrethrin containing products. When mixing Starbar® E-Pro Adulticide Spray (E-Pro) with other products, observe all precautions and limitations of the labels of each product. To prepare the emulsion, dilute E-Pro with water only. To prepare a 0.5% emulsion, mix 1.6 fl oz (50 ml) in 1 gallon of water.

E-Pro is an emulsifiable concentrate to be diluted with water and used to control pests around structures. The pests controlled are listed in the accompanying tables.
E-Pro may be used as a crack and crevice injection, as a paint-on treatment, as a broadcast or spot application to perimeter soil. Consult the applicable tables in this label for specific use instructions.

Broadcast Treatment for the Control of Nuisance Pests Outside of Structure

Apply a 0.5% emulsion with a fan spray using a maximum of 25 psi. Do not allow runoff to occur. To control bees, hornets, wasps, and yellow jackets, apply this product in late evening when insects are at rest. Aim spray at nest openings in ground, bushes and in the cracks and crevices that may harbor nests, saturating nest openings and contacting as many insects as possible.

Perimeter Treatment: Apply to band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Use a spray volume of 2 to 10 gallons of emulsion per 1,000 square feet. Higher volumes of water may be needed if mulch or leaf litter is present or foliage is dense.

Pest Control on Outside Surfaces and Around Buildings

Apply E-Pro using a 0.5% emulsion as a residual spray to outside surfaces of buildings including, but not limited to: foundations, exterior siding, window frames, refuse dumps, storage sheds, fence lines, barns, and other residential, commercial buildings, soil, trunks of woody ornamentals and other areas where pests congregate or have been seen.

Pests Specific Application Instructions

Ants
Army Ants
Mounds
Fire Ants
Bees
Wasp
Carpenter Bees
Bark Beetles
Borers
Squirrels
Mice
Earwigs
Cockroaches
Asian Cockroaches
Firebrats

Apply as a pinstream, as a fine/coarse spray, as a spot treatment or with a paint brush. Treat where pests are found or entry points of the structure such as window and doorframes and along the foundation. Do not apply to structures with high-pressure sprayers such as air blast sprayers.

Mound Drench Method: Apply 1-2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Apply 2 gallons of emulsion for mounds larger than 12” in diameter. For best results, apply in cool weather, such as in the early morning or late evening hours, but not in the heat of the day.

Boxelder Bugs, Elm Leaf Beetles, Gypsy Moth Caterpillars: Spray tree trunks, building siding or wherever pests congregate thoroughly, but do not allow runoff to occur.

Borers and Bark Beetles: To prevent infestation of trees and woody ornamentals, spray the bark thoroughly, but do not allow runoff to occur.

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### PEDESTRIAN INSTRUCTIONS

**CONTINUED FROM PREVIOUS PAGE**

- Ground Beetles
- Gypsy Moths
- (Adults and Caterpillars)
- 90-days
- Spiders
- Sulfur
- Wheacosms
- Swordtails
- Ticks
- Ticks
- Carpenter Ants
- Ants
- Chinch Bugs

### APPLICATIONS TO AGRICULTURAL STRUCTURES

For Agricultural use only

**Application Instructions**

*E-Pro* can be used for residual pest control in and on buildings and structures used for agricultural purposes.

*E-Pro* is an emulsifiable concentrate to be diluted with water and applied as an emulsion to control pests in and around agricultural structures. Pests controlled are listed in the accompanying tables.

<table>
<thead>
<tr>
<th>PESTS</th>
<th>SPECIFIC APPLICATION INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Beetles</td>
<td>Apply E-Pro at the rate of 0.4 to 0.8 fl oz per 1,000 square feet in a volume of water sufficient for uniform coverage such as 4 to 25 gallons. Use 0.4 fl oz per 1,000 square feet to knock down existing pests and 0.8 fl oz per 1,000 square feet where faster knockdown or greater residual control is desired. Application in combination with compatible surfactants may enhance penetration. And climates generally require higher volumes.</td>
</tr>
<tr>
<td>Gypsy Moths</td>
<td>Residual treatment for control of Deer Ticks, Western Black-legged Ticks and other Ticks (important vectors for Lyme Disease, Rocky Mountain Spotted Fever).</td>
</tr>
</tbody>
</table>

### AGRO-STRUCTURES

Spray directly or apply by spot treatment to walls and ceiling as a residual surface treatment only. Do not treat manure or litter. Avoid contamination of feed and water.

<table>
<thead>
<tr>
<th>FOR APPLICATION IN</th>
<th>TARGET INSECTS</th>
<th>METHOD OF APPLICATION</th>
<th>DILUTE</th>
<th>APPLICATION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dairy Barns</td>
<td>6-8 mealworms</td>
<td>Sprayer</td>
<td>1:5 to 1:2.5 gallons of water</td>
<td>1 fl oz per 750 square feet of surface</td>
</tr>
<tr>
<td>Feedlots</td>
<td>6-8 mealworms</td>
<td>Sprayer</td>
<td>1:5 to 1:2.5 gallons of water</td>
<td>1 fl oz per 750 square feet of surface</td>
</tr>
<tr>
<td>Stables</td>
<td>6-8 mealworms</td>
<td>Sprayer</td>
<td>1:5 to 1:2.5 gallons of water</td>
<td>1 fl oz per 750 square feet of surface</td>
</tr>
<tr>
<td>Poultry Houses</td>
<td>6-8 mealworms</td>
<td>Sprayer</td>
<td>1:5 to 1:2.5 gallons of water</td>
<td>1 fl oz per 750 square feet of surface</td>
</tr>
<tr>
<td>Swine and Livestock Houses</td>
<td>6-8 mealworms</td>
<td>Sprayer</td>
<td>1:5 to 1:2.5 gallons of water</td>
<td>1 fl oz per 750 square feet of surface</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>METHOD OF APPLICATION</th>
<th>RATE</th>
<th>DILUTE</th>
<th>APPLICATION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fog or Mist</td>
<td>1.5 to 2.0 fl oz per 1 gallon of water</td>
<td>2 fl oz per 1,000 cubic feet of surface</td>
<td>1.5 to 2.0 fl oz per 1 gallon of water</td>
</tr>
</tbody>
</table>

### NOTES

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4.5" (H) x 3.5" (W)

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<table>
<thead>
<tr>
<th>ANIMALS</th>
<th>INSECTS</th>
<th>DILUTE &amp; USE</th>
<th>APPLICATION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lactating and Non-Lactating Dairy Cattle and Goats, Beef Cattle and Sheep</td>
<td>Horn Flies Only</td>
<td>1-4 fl oz to 2½ gallons water (treats 64-80 head) 0.625% active ingredient (ai) Low-pressure spray</td>
<td>For fly and lice control, thoroughly spray mid-line from face to tailhead, but do not allow runoff to occur. For Ear Tick control, spray directly into each ear (¼ fl oz each)</td>
</tr>
<tr>
<td>Lactating and Non-Lactating Dairy Cattle and Goats, Beef Cattle and Sheep</td>
<td>Horn Flies Face Flies Stable Flies Horse Flies Barn Flies Mange Mites Coles Mites Ticks</td>
<td>2.5 oz to 2½ gallons water (treats 64-80 head) 0.5% ai Low-pressure spray (back rubber self oil)</td>
<td>Keep rubbing, then charged. Results improve by daily forced use.</td>
</tr>
<tr>
<td>Lactating and Non-Lactating Dairy Cattle and Goats, Beef Cattle and Sheep</td>
<td>Horn Flies Face Flies Stable Flies Horse Flies Barn Flies Mange Mites Coles Mites Ticks</td>
<td>4 fl oz to 10 gallons diesel oil or suitable mineral oil 0.125% ai Back rubber oil</td>
<td>Use as a livestock spray or spot treat back, face, legs, tail and ears.</td>
</tr>
<tr>
<td>Poultry</td>
<td>Northern Fowl Mites Lice</td>
<td>1-4 fl oz to 2½ gallons water (treats 250 head) 0.02% active ingredient (ai) High-pressure spray</td>
<td>1 quart of coarse spray per animal.</td>
</tr>
<tr>
<td>Swine (Allow 5 days between last treatment and slaughter)</td>
<td>Lice and Mange</td>
<td>1-4 fl oz to 2½ gallons water (treats 50-100 head) 0.05% ai Spray or dip</td>
<td>Thoroughly wet or dip animals, including ears. For Mange, spray pen floors, sides and bedding. Repeat at 14 days.</td>
</tr>
<tr>
<td>Horses</td>
<td>Hor Flies Face Flies Stable Flies Horse Flies Barn Flies Eye-Guts Mange Mites Coles Mites Ticks</td>
<td>2 fl oz to 1½ pint water 0.125% ai Low-pressure spray</td>
<td>For Fly and Lice control, thoroughly spray mid-line from face to tailhead, but do not allow runoff to occur. For Ear Tick control, spray directly into each ear (½ fl oz each)</td>
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<td>Horses</td>
<td>Hor Flies Face Flies Stable Flies Horse Flies Barn Flies Eye-Guts Mange Mites Coles Mites Ticks</td>
<td>½ fl oz to 1½ quart water 0.0625% ai Dip wash</td>
<td>Thoroughly wet animal skin with orange or rig. Let dry dry.</td>
</tr>
</tbody>
</table>
STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal. PESTICIDE STORAGE: Store in original containers only. Store in a cool, dry place and avoid excess heat. Do not store below 40°F. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY
NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use for application, weather, presence of other...
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E-PRO
Adulticide Spray

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**Contains petroleum distillates.
This product contains 3.2 pounds permethrin per gallon.

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

CENTRAL LifeSciences
EPA Reg. No. 89459-66
EPA Est. No. 2724-TX-1
Manufactured for:
Central Garden & Pet Company
1501 East Woodfield Road 200W
Schaumburg, IL 60173

300524353

NET CONTENTS:
1 QT (32 FL OZ)

Supplied for: Central Life
Finished Size: 4.5" (H) x 3" (W)
Date: 9/2/14

File No.: T00361
Supercedes: N/A
Supplied By: CCL Label Memphis