Treated larvae continue to develop normally to the pupal stage where they die. The briquet can be removed from the site by flushing action. Release of (S)-methoprene insect growth regulator occurs by dissolution of the briquet. Soft mud and loose sediment can prevent the emergence of adult mosquitoes including:

**Aedes, Ochlerotatus, Culex, Mansonia, Anopheles, Culiseta**

(S)-Methoprene insect growth regulator has no effect on mosquitoes which have reached the pupal or adult stage.

**PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION**: Do not contaminate water, food, or feed by storage or disposal. Keep out of reach of children. This product is very toxic to aquatic life. Do not apply directly to water or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wastes. Do not contaminate water supplies.

Intended for application to the following sites:

1. **Cattail marshes and water hyacinth beds**: For control of these mosquitoes, place one **ALTOSID® XR BRIQUET** and place in the lowest areas of mosquito breeding sites to maintain continuous control as the site alternately floods and dries up.

2. **Catch basins**: For catch basins, place one **ALTOSID® XR BRIQUET** per 100 ft². For control in non-(or low-) flow shallow depressions (< 2 feet in depth), treat on the basis of surface area, placing one **ALTOSID® XR BRIQUET** per 200 ft². Place briquets in fountains, other artificial water-holding containers, animal watering troughs, cesspools and septic tanks, waste treatment systems, ponds, basins, irrigation and drainage ditches, and any other body of water which may receive mosquito larvae. It is recommended that the briquets be placed at or before the beginning of the mosquito season. Apply **ALTOSID® XR BRIQUETS** between 0-1500 ft².

3. **Sewers, spouts, fountains, fountains, fountains, ponds, basins, drainage ditches**: For control in non-(or low-) flow shallow depressions (< 2 feet in depth), treat on the basis of surface area, placing one **ALTOSID® XR BRIQUET** per 200 ft². Place briquets in fountains, other artificial water-holding containers, animal watering troughs, cesspools and septic tanks, waste treatment systems, ponds, basins, irrigation and drainage ditches, and any other body of water which may receive mosquito larvae. It is recommended that the briquets be placed at or before the beginning of the mosquito season. Apply **ALTOSID® XR BRIQUETS** between 0-1500 ft².

4. **Floodplains, tree-holes, woodland pools**: For application to these areas, place one **ALTOSID® XR BRIQUET** per 1500-3000 ft². For control in non-(or low-) flow shallow depressions (< 2 feet in depth), treat on the basis of surface area, placing one **ALTOSID® XR BRIQUET** per 200 ft². Place briquets in fountains, other artificial water-holding containers, animal watering troughs, cesspools and septic tanks, waste treatment systems, ponds, basins, irrigation and drainage ditches, and any other body of water which may receive mosquito larvae. It is recommended that the briquets be placed at or before the beginning of the mosquito season. Apply **ALTOSID® XR BRIQUETS** between 0-1500 ft².

5. **Freshwater swamps and marshes, salt and tidal marshes, treeholes, woodland pools, floodplains, and dredging spoil sites**: For application to these areas, place one **ALTOSID® XR BRIQUET** per 4500-6000 ft². For control in non-(or low-) flow shallow depressions (< 2 feet in depth), treat on the basis of surface area, placing one **ALTOSID® XR BRIQUET** per 200 ft². Place briquets in fountains, other artificial water-holding containers, animal watering troughs, cesspools and septic tanks, waste treatment systems, ponds, basins, irrigation and drainage ditches, and any other body of water which may receive mosquito larvae. It is recommended that the briquets be placed at or before the beginning of the mosquito season. Apply **ALTOSID® XR BRIQUETS** between 0-1500 ft².

6. **Roadside ditches, fish ponds, ornamental ponds**: For control in non-(or low-) flow shallow depressions (< 2 feet in depth), treat on the basis of surface area, placing one **ALTOSID® XR BRIQUET** per 200 ft². Place briquets in fountains, other artificial water-holding containers, animal watering troughs, cesspools and septic tanks, waste treatment systems, ponds, basins, irrigation and drainage ditches, and any other body of water which may receive mosquito larvae. It is recommended that the briquets be placed at or before the beginning of the mosquito season. Apply **ALTOSID® XR BRIQUETS** between 0-1500 ft².
Treated larvae continue to develop normally to the pupal stage where they die.

When the briquet can be removed from the site by flushing action.

Formulations are designed to release effective levels of (S)-methoprene insect growth regulator over a period up to 150 days in mosquito breeding sites.

### Introduction

Zoëcon® Altosid® XR Extended Residual Briquets

**Purpose:**

Zoëcon® Altosid® XR Briquets are intended for the residual control of larval stages in aquatic environments, including storm drains, catch basins, and natural water bodies. They are designed to control mosquitoes in treated areas.

**Components:**

- **(S)-Methoprene:** A natural hormone found in many insects, which inhibits the development of the insect's molting process.

**Dosage:**

- **Surface Area:** Use one briquet per 100 ft².
- **Volume:** For catch basins, use one briquet per two feet of water depth.
- **Flow to determine if the briquet is still present. Adjust the retreatment interval based on the results of an inspection.

**Application Rates:**

- For catch basins, place one briquet.
- For storm water drainage areas, sewers, and catch basins:
  - For control in non-(or low-) flow shallow depressions (< 2 feet in depth), treat on the basis of surface area, placing one briquet.
  - For floodwater or flowing bodies of water, place one briquet per 200 ft².

### Environmental Hazards

- **Do not contaminate water when disposing of empty product.**
- **Do not contaminate water, food, or feed by storage or disposal.**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION:**

**PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

- **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.

**HAND PACKED TO PROTECT CONTENTS**
INTRODUCTION: ZOECON® ALTOSID® XR EXTENDED RESIDUAL BRIQUETS

This product contains water; therefore the weight of the briquet and percent by weight must be expressed on a dry weight basis. 

**Safety Data Sheet**

Precautionary Statements – Hazards to Humans and Domestic Animals

**HYGIENE:**

Take off contaminated clothing. For skin exposure, after the first 5 minutes, then continue rinsing eye.

• 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.

**FIRST AID:**

If in eyes:

If on skin or clothing:

• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes.

If swallowed:

• Do not induce vomiting except under medical supervision.

• Call a poison control center or doctor for treatment advice.

**THERAPEUTIC HIGHLIGHTS:**

• Prevents the emergence of adult mosquitoes by controlling larval development.

• Effective in those situations where the briquet can be removed from the site by flushing action.

• The product may not be effective in zones where loose sediment can cover the briquets and inhibit normal dispersion of the active ingredient.

• Release of (S)-methoprene insect growth regulator occurs by dissolution of the briquet. Soft mud and water flow can influence the release rate of the active ingredient. 

**APPLICATION:**

• Application rates vary based on the amount of surface area and depth of water.

**APPLICATION CHART**

<table>
<thead>
<tr>
<th>Catch Basin Size (Gallons)</th>
<th>Surface Area/Water Depth (Feet)</th>
<th>Number of Briquets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500-3000</td>
<td>2</td>
<td>2-4</td>
</tr>
<tr>
<td>3000-4500</td>
<td>2-4</td>
<td>3</td>
</tr>
<tr>
<td>4500-6000</td>
<td>4-6</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: In cases of large catch basins, follow the Application Chart to determine the number of briquets to use. For storm water drainage areas, place one briquet per 100 ft$^2$ into each basin. In cases of large catch basins, follow the Application Chart to determine the number of briquets to use. For storm water drainage areas, place one briquet per 100 ft$^2$ into each basin. In areas that are deeper than two feet, use one additional briquet per two feet of water depth.

**ENVIRONMENTAL HAZARDS:**

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

• Store in a cool place. Do not reuse empty container.

**CONTAINER DISPOSAL:**

• Completely empty bag into application equipment. Then offer for recycling, if available, or reuse or refill this container. Pesticide Disposal: 

**Pesticide Disposal:** 

• Dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. 

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

• Store in a cool place. Do not reuse empty container.

• Completely empty bag into application equipment. Then offer for recycling, if available, or reuse or refill this container.

**DISCLAIMER**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
INTRODUCTION: ZOECON® ALTOSID® XR EXTENDED RESIDUAL BRIQUETS

ALTOSID® XR BRIQUETS are designed to release effective levels of (S)-methoprene insect growth regulator over a period up to 150 days in mosquito breeding sites. Release of (S)-methoprene insect growth regulator occurs by dissolution of the briquet. Soft mud and desiccation, however, may reduce this period. The briquets are hand-packed to protect the contents.

APPLICATION RATES:

<table>
<thead>
<tr>
<th>Number of Briquets</th>
<th>Catch Basin Size (Gallons)</th>
<th>Surface Area/Water Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0-1500</td>
<td>0-2</td>
</tr>
<tr>
<td>2</td>
<td>1500-3000</td>
<td>2-4</td>
</tr>
<tr>
<td>4</td>
<td>4500-6000</td>
<td>4-8</td>
</tr>
<tr>
<td>6-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Under normal conditions, one application will last the entire mosquito season, or up to 150 days, whichever is shorter. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

CAUTION

300512646

HAND PACKED TO PROTECT CONTENTS

The information in this leaflet is intended for use by licensed applicators. For information or in case of emergency, call 1-800-248-7763 or visit our Web site: www.altosid.com

Do not contaminate water when disposing of empty container. Nonrefillable container. Do not reuse empty container.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Pesticide Disposal: Store in a cool place. Do not reuse empty container.

STORAGE AND DISPOSAL:

OTHER INGREDIENTS:

ACTIVE INGREDIENT:

Net Weight: 17.7 LBS (8 KG)

Other Ingredients: (Dry Weight Basis)

- 2.1% (S)-methoprene
- 97.9% Other Inactive Ingredients

This product contains water; therefore the weight of the briquet and percent by weight of active ingredient will vary with hydration. The ingredient statement is expressed on a dry weight basis.

ALTOSID® XR EXTENDED RESIDUAL BRIQUETS are a sustained-release product to prevent adult mosquitoes (excluding those under 100-day parentage) from emerging prior to flooding when sites are dry, or on snow and ice in breeding sites prior to spring thaw.

Examples of application sites are: storm drains, catch basins, roadside ditches, fish ponds, ornamental ponds, streams, rock pools, small lakes, ponds, irrigation systems,放弃或低-流浅水盆地, and fountains, other artificial water-holding containers, animal watering troughs, cesspools and septic tanks, treeholes, woodland pools, floodplains, and dredging spoil sites. For application sites connected by a water system, apply one briquet per 100 ft² of surface area up to two ft deep. In areas that are deeper than two feet, use one additional briquet per two feet of water depth.

Under normal conditions, one application will last the entire mosquito season, or up to 150 days, whichever is shorter. Application may be required if water dries up.

Under normal conditions, one application will last the entire mosquito season, or up to 150 days, whichever is shorter. Application may be required if water dries up.
prior to treatment. 

NOTE: Psorophora spp.) from treated water. Treated larvae continue to develop normally to the pupal stage where they die. 

ANIMALS – CAUTION: 

PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS AND DOMESTIC 
skin, eyes, or clothing. Wash thoroughly with soap and water after handling. 

ALTOSID® XR BRIQUETS 

loose sediment can cover the briquets and inhibit normal dispersion of the active ingredient. The product may not be 

breeding sites. Release of (S)-methoprene insect growth regulator occurs by dissolution of the briquet. Soft mud and 

DIRECTIONS FOR USE: 

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

labeling. 

APPLICATION TIME: 

You may also contact 1-800-248-7763 for emergency medical treatment information. 
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. 

If on skin or clothing 

• 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. 

If in eyes 

Call a poison control center or doctor for treatment advice. 

APPLICATION SITES: ALTOSID® XR BRIQUETS 

Examples of application sites are: storm drains, catch basins, roadside ditches, fish ponds, ornamental ponds 

system, i.e., storm drains or catch basins, treat all of the water-holding sites in the system to maximize the 

Experimental releases, and epidemiologic studies indicate that (S)-methoprene treatment is effective in reducing 

mosquito populations in regions where they are currently present, but not in preventing their establishment.
INTRODUCTION: ZOECON® ALTOSID® XR EXTENDED RESIDUAL BRIQUETS

ALTOSID® XR BRIQUETS

...are designed to release effective levels of (S)-methoprene insect growth regulator over a period up to 150 days in mosquito breeding sites. Release of (S)-methoprene insect growth regulator occurs by dissolution of the briquet. Soft mud and loose sediment can cover the briquets and inhibit normal dispersion of the active ingredient. The product may not be effective in those situations where the briquet can be removed from the site by flushing action. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

APPLICATION RATES:

<table>
<thead>
<tr>
<th>APPLICATION SITE</th>
<th>APPLICATION CHART</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basin</td>
<td>ANIMAL</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

Examples of application sites are: storm drains, catch basins, roadside ditches, fish ponds, ornamental ponds. Under normal conditions, one application will last the entire mosquito season, or up to 150 days, whichever is shorter. Alternate wetting and drying will not reduce their effectiveness.

ENVIRONMENTAL HAZARDS:

It is a violation of Federal Law to use this product in a manner contrary to label instructions. To the extent that any statements contained herein may be contrary to label instructions.

WARRANTY AND CONDITIONS OF SALE: