

ORTHOBORIC ACID | GROUP: 8D | INSECTICIDE

# ZONE DEFENSE®

### PRECAUTIONARY STATEMENT

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**  
**CAUTION:** Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear long-sleeve shirt, long pants, shoes and socks. When using pressurized equipment to load and apply dust products to structural building components and poultry houses wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

#### FIRST AID

- IF SWALLOWED**
    - Call a poison control center or doctor immediately for treatment advice.
    - Have a person sip a glass of water if able to swallow.
    - Do not induce vomiting unless told to do so by the poison control center or doctor.
    - 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 INHALED**
    - Move person to fresh air.
    - If person is not breathing, call 911 or an ambulance, then give artificial respirations, preferably mouth to mouth if possible.
    - 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, and then continue rinsing eye.
    - Call a poison control center or doctor for treatment advice.
- Have the product container with you when calling a poison control center or doctor or going for treatment.**

This product may be used in homes, restaurants, and other food and food handling establishments, markets, schools, warehouses, factories, offices, hotels, motels, hospitals, nursing homes, garages, grocery stores, apartment buildings, new construction, cellulose insulation, cotton batting, industrial plants, theaters, ships, boats, trains, yachts, camps, mobile homes, buses, zoos, kennels, military bases, libraries, utilities, sewers and animal confinement areas.

#### DIRECTIONS FOR USE

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

- Use Restrictions:**
- Children and pets should not be in treatment area until after application is complete.
  - Do not treat pets with this product.
  - Avoid contamination of feed and foodstuff.
  - Avoid contamination of ornamental plants.
  - Applications to carpets are prohibited.
  - Use of this product for control of bed bugs is prohibited.
  - For use in poultry houses/industrial/commercial structural building: Do not apply with pressurized application methods except for use with crack and crevice spot, or void treatments.

**Resistance-Management Recommendations:**  
For resistance management, Zone Defense® contains a Group 8D insecticide. Any ant population may contain individuals naturally resistant to Zone Defense® and other Group 8D insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

**Respirator fit testing, medical qualification, and training**  
Using a program that conforms to OSHA's requirements (see 29 CFR Part 1910.134), employers must verify that any handler who uses a respirator is:

- Fit-tested and fit-checked,
- Trained, and
- Examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician or other licensed health care professional who will evaluate the ability of a worker to wear a respirator. The initial evaluation consists of a questionnaire that asks about medical conditions (such as a heart condition) that would be problematic for respirator use. If concerns are identified, then additional evaluations, such as a physical exam, might be necessary. The initial evaluation must be done before respirator use begins. Handlers must be reexamined by a qualified medical practitioner if their health status or respirator style or use-conditions change.
- Upon request by local/state/federal/tribal enforcement personnel, employers must provide documentation demonstrating how they have complied with these requirements.

**DOMESTIC (HOMEOWNER) USE**  
**Application Directions For Control of Cockroaches, Ants, and Silverfish:** Apply liberally, scattering under and behind refrigerator, stove, sink, dishwasher, washing machine and dryer, tubs, into openings around drains, water pipes and electrical conduits; and in cracks and crevices along baseboards and corners of cabinets, cupboards, and closets. Remove all lower draws in kitchen and bathroom cabinets, bedroom dressers and chests of drawers, then scatter liberally in drawer wells. Any powder visible after application must be brushed into cracks crevices or vacuumed. Reapply as necessary.

**Directions for Applying as a Mop Solution to Control Cockroaches:**  
**Mixing and Application Directions:** Add 1 cup of powder to each gallon of rinse water. Apply to hard floor areas only. Liquid application of this product is prohibited to carpet areas. Make only enough for each application. Supplemental treatment only. Reapply as necessary. Avoid contamination of feed and food stuff. Use of this product for the control of bed bugs is prohibited on carpeting.

## KILLS ROACHES

(INCLUDING PALMETTO BUGS AND WATERBUGS) ALSO DARKLING BEETLES, ANTS & SILVERFISH

<b>ACTIVE INGREDIENTS:</b>	
Orthoboric Acid	64.0%
OTHER INGREDIENTS	36.0%
<b>Total</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

See side panels for additional Precautionary Statements and First Aid

**InCide®** InCide Technologies, Inc.  
50 North 41st Avenue  
Phoenix, AZ 85009-4618  
1-800-777-4569

EPA Reg. No.: 44757-3  
EPA Est. No.: 44757-AZ-1  
Made in the U.S.A.

**Net Weight**  
**50 lbs. (22.68kg)**

Batch Code: IT1977

### NON-DOMESTIC USE (NONEDIBLE PRODUCT AREAS ONLY)

**Application Directions For Control Of Darkling Beetles (Lesser Mealworms):** Remove all birds in poultry or layer houses before applying. Using a fertilizer or seed spreader, uniformly apply Zone Defense® powder at the rate of 1 to 2 pounds per 100 sq. ft. over old litter or soil surface of the poultry house. Liberally dust side walls, posts, top plates, and framing. Apply powder in cracks and crevices around insulation on the floor and sidewalls. Zone Defense® can also be spray applied wet when mixed 1 to 2 pounds per three gallons of water for each 100 square feet of surface to be treated. Use hand-operated pump or backpack sprayers when applying wet formulations. DO NOT APPLY DIRECTLY TO MANURE. Evenly spread fresh litter a minimum of four inches over all treated floor surfaces before inducing birds. Reapply as outlined above after each grow-out. Reapply after each sanitizing and washed down of poultry containment area to continue beetle control.

**Directions for Applying in New and Existing Construction to Control Cockroaches and other Target Insects:** When treating large areas, such as wall voids, soffit and subcabinet voids in new and existing construction, dust liberally using dusting application equipment.

**Directions for Applying in Sewers and Manhole Cavities:** Apply this product dry or mixed with water or acrylic polymer for improved adhesion to sewer wall cavity surfaces, at a rate not to exceed 12 oz. per 190 sq. ft. using portable blowers, air pressure tanks or pressurized nozzle(s).

**FOOD HANDLING ESTABLISHMENTS**  
**Use Restrictions:** Apply only in areas inaccessible to children and pets. Do not use in edible product areas of food handling establishments, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

Places other than private residences, in which food or feed is held, processed, prepared, or served.

**1. FOOD AREAS (including some serving areas)**  
Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, and syrups). Also includes some SERVING AREAS.

**FOOD SERVING AREA**  
SERVING AREAS are facilities where food is served, such as dining rooms, but not where food is prepared or held. These areas are considered FOOD AREAS when food is exposed, and the facility is in operation. Follow application directions in this section, if food is not exposed and facility is not in operation, follow application directions under NON-FOOD SERVICE AREAS below.

**Use Restrictions:** FOOD AREA application is limited to CRACK AND CREVICE TREATMENT ONLY. Applications to other areas are not permitted. **Application directions:** Apply in small amounts directly into cracks and crevices using a bulbous duster or other suitable equipment capable of applying insecticides directly into cracks and crevices, in points between different elements of construction, between equipment and floors, opening leading to voids and hollow spaces in walls, equipment legs and bases, conduits, motor housing and electrical switch boxes where cockroach hide.

**2. NONFOOD AREAS (including some service areas)**  
Includes garbage room, lavatories, floor drains (to sewer), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). Also includes some SERVING AREAS.

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**Application Directions:** Apply as a spot treatment to selective surfaces such as baseboards, under elements of construction into cracks and crevices. Avoid treatment surfaces likely to be contacted by food.

**OTHER NONFOOD AREAS**  
**Application Directions:** Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insect hide or through which they may enter.

#### STORAGE AND DISPOSAL

- Do not contaminate water, food, or feed by storage or disposal.
- Pesticide Storage**  
Store in a dry place. Do not store where children or animals may gain access.
- Pesticide Disposal**  
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- Container Disposal:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.
- Completely empty bag into application equipment. The offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### NOTICE

Because of many varying conditions affecting the use and application, manufacturer warns buyer that these may impair or vary the results or effects of the use of this product, in any event, complete prevention of decay by fungi or other organisms is not guaranteed. Neither manufacturer nor seller shall be liable in respect to any injury or damage suffered by reason the use of this product for purpose not indicated by the label or when used contrary to the directions or instructions hereon nor with respect to breach of any warranty not expressly specified herein. Buyer accepts this material subject to these terms and assumes all risk of usage and handling except when used or handled in accordance with the label. Neither manufacturer nor sell makes, and their employees and agents are not permitted to make, any representation or warranties, express or implied by law, not specifically set forth herein.

NET WT. 50 LBS. (22.68kg)

# ZONE DEFENSE®

ACCEPTED FOR REGISTRATION Doc id: 572936

March 25, 2021

New York State Department  
of Environmental Conservation  
Division of Materials Management  
Pesticide Product Registration

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of Environmental Conservation  
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# ZONE DEFENSE®

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Applicators and other handlers must wear long-sleeve shirt, long pants, shoes and socks. When using pressurized equipment to load and apply dust products to structural building components and poultry houses wear a minimum of a NIOSH-approved particulate filter respirator with any N, R or P Filter, OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter, OR a NIOSH-approved powered air purifying respirator with HE filters.

**FIRST AID**

- IF SWALLOWED**
- Call a poison control center or doctor immediately for treatment advice.
  - Have a person sip a glass of water if able to swallow.
  - Do not induce vomiting unless told to do so by the poison control center or doctor.
  - 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 INHALED**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.
- 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, and then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

Have the product container with you when calling a poison control center or doctor or going for treatment.

This product may be used in homes, restaurants, and other food and food handling establishments, markets, schools, warehouses, factories, offices, hotels, motels, hospitals, nursing homes, garages, grocery stores, apartment buildings, new construction, cellulose insulation, cotton bating, industrial plants, theaters, ships, boats, trains, yachts, camps, mobile homes, buses, zoos, kennels, military bases, libraries, utilities, sewers and animal confinement areas.

**DIRECTIONS FOR USE**

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

**Use Restrictions:**

- Children and pets should not be in treatment area until after application is complete.
- Do not treat pets with this product.
- Avoid contamination of feed and foodstuff.
- Avoid contamination of ornamental plants.
- Applications to carpets are prohibited.
- Use of this product for control of bed bugs is prohibited
- For use in poultry houses/industrial/commercial structural building: Do not apply with pressurized application methods except use with crack and crevice spot, or void treatments.

**Resistance-Management Recommendations:**

For resistance management, Zone Defense® contains a Group 8D insecticide. Any ant population may contain individuals naturally resistant to Zone Defense® and other Group 8D insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

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**DOMESTIC (HOMEOWNER) USE****Application Directions For Control of Cockroaches, Ants, and Silverfish:** Apply liberally, scattering under and behind refrigerator, stove, dishwasher, washing machine and dryer tubs, into openings around drains, water pipes and electrical conduits, and in cracks and crevices and corners of cabinets, cupboards, and closets. Remove all lower drawers in kitchen and bathroom cabinets, bedroom dressers and chests of drawers, then scatter liberally in drawer wells. Any powder visible after application must be brushed into cracks crevices or vacuumed. Reapply as necessary.**Directions for Applying as a Mop Solution to Control Cockroaches:****Mixing and Application Directions:** Add 1 cup of powder to each gallon of rinse water. Apply to hard floor areas only. Liquid application of this product is prohibited to carpet areas. Make only enough for each application. Supplemental treatment only. Reapply as necessary. Avoid contamination of feed and food stuff. Use of this product for the control of bed bugs is prohibited on carpeting.

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# KILLS ROACHES

(INCLUDING PALMETTO BUGS AND WATERBUGS)  
ALSO DARKLING BEETLES, ANTS & SILVERFISH

**ACTIVE INGREDIENT:**

Orthoboric Acid	64.0%
OTHER INGREDIENTS	36.0%
Total	100.00%

**KEEP OUT OF REACH OF CHILDREN****CAUTION**See side panels for additional Precautionary  
Statements and First Aid


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EPA Reg. No.: 44757-3 • EPA Est. No.: 44757-AZ-1

Made in the U.S.A.

**NET WEIGHT 1 LB (454g)**

Batch Code: IT1977

**NON-DOMESTIC USE (NONEDIBLE PRODUCT AREAS ONLY)****Application Directions For Control Of Darkling Beetles (Lesser Mealworms):**

Remove all birds in poultry or layer houses before applying. Using a fertilizer or seed spreader, uniformly apply Zone Defense® powder at the rate of 1 to 2 pounds per 100 sq. ft. over old litter or soil surface of the poultry house. Liberally dust side walls, posts, top plates, and framing. Apply powder in cracks and crevices around insulation on the floor and sidewalls. Zone Defense® can also be spray applied wet when mixed 1 to 2 pounds per three gallons of water for each 100 square feet of surface to be treated. Use hand-operated pump or backpack sprayers when applying wet formulations. DO NOT APPLY DIRECTLY TO MANURE. Evenly spread fresh litter a minimum of four inches over all treated floor surfaces before inducing birds. Reapply as outlined above after each grow-out. Reapply after each sanitizing and washed down of poultry containment area to continue beetle control.

**Directions for Applying in New and Existing Construction to Control Cockroaches and other Target Insects:** When treating large areas, such as wall voids, soffit and subcabinet voids in new and existing construction, dust liberally using dusting application equipment.**Directions for Applying in Sewers and Manhole Cavities:** Apply this product dry or mixed with water or acrylic polymer for improved adhesion to sewer wall cavity surfaces, at a rate not to exceed 12 oz. per 190 sq. ft. using portable blowers, air pressure tanks or pressurized nozzle(s).**FOOD HANDLING ESTABLISHMENTS****Use Restrictions:** Apply only in areas inaccessible to children and pets. Do not use in edible product areas of food handling establishments, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

Places other than private residences, in which food or feed is held, processed, prepared, or served.

**1. FOOD AREAS (including some serving areas)**

Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, and syrups). Also includes some SERVING AREAS.

**FOOD SERVING AREA**

SERVING AREAS are facilities where food is served, such as dining rooms, but not where food is prepared or held. These areas are considered FOOD AREAS when food is exposed, and the facility is in operation. Follow application directions in this section. If food is not exposed and facility is not in operation, follow application directions under NON-FOOD SERVICE AREAS below.

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

**Pesticide Storage**

Store in a dry place. Do not store where children or animals may gain access.

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Rinse thoroughly before discarding in trash.**NOTICE**

Because of many varying conditions affecting the use and application, manufacturer warns buyer that these may impair or vary the results or effects of the use of this product, in any event, complete prevention of decay by fungi or other organisms is not guaranteed. Neither manufacturer nor seller shall be liable in respect to any injury or damage suffered by reason of the use of this product for purpose not indicated by the label or when used contrary to the directions or instructions hereon nor with respect to breach of any warranty not expressly specified herein. Buyer accepts this material subject to these terms and assumes all risk of usage and handling except when used or handled in accordance with the label. Neither manufacturer nor sell makes, and their employees and agents are not permitted to make, any representation or warranties, express or implied by law, not specifically set forth herein.

ACCEPTED  
FOR REGISTRATION

March 25, 2021

New York State Department  
of Environmental Conservation  
Division of Materials Management  
Pesticide Product Registration

# ZONE DEFENSE®

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Total 100.00%

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#### FOOD SERVING AREA

SERVING AREAS are facilities where food is served, such as dining rooms, but not where food is prepared or held. These areas are considered FOOD AREAS when food is exposed, and the facility is in operation. Follow application directions in this section. If food is not exposed and facility is not in operation, follow application directions under NON-FOOD SERVICE AREAS below.

**Use Restrictions:** FOOD AREA application is limited to CRACK AND CREVICE TREATMENT ONLY. Applications to other areas are not permitted. **Application directions:** Apply in small amounts directly into cracks and crevices using a bulbous duster or other suitable equipment capable of applying insecticides directly into cracks and crevices, in points between different elements of construction, between equipment and floors, opening leading to voids and hollow spaces in walls, equipment legs and bases, conduits, motor housing and electrical switch boxes where cockroach hide.

#### 2. NONFOOD AREAS (including some service areas)

Includes garbage room, lavatories, floor drains (to sewer), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). Also includes some SERVING AREAS.

#### NONFOOD SERVING AREAS

SERVING AREAS are facilities where food is served, such as dining rooms, but not where food is prepared or held. These areas are considered NONFOOD AREAS when food is not exposed, and facility is not in the operation. Follow application directions in this section. If food is exposed and facility is in operation, follow application directions under FOOD SERVING AREAS.

**Application Directions:** Apply as a spot treatment to selective surfaces such as baseboards, under elements of construction into cracks and crevices. Avoid treatment surfaces likely to be contacted by food.

#### OTHER NONFOOD AREAS

**Application Directions:** Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insect hide or through which they may enter.

### STORAGE AND DISPOSAL

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

#### Pesticide Storage

Store in a dry place. Do not store where children or animals may gain access.

#### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

Triple rinse container (or equivalent) Promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. 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.

### NOTICE

Because of many varying conditions affecting the use and application, manufacturer warns buyer that these may impair or vary the results or effects of the use of this product, in any event, complete prevention of decay by fungi or other organisms is not guaranteed. Neither manufacturer nor seller shall be liable in respect to any injury or damage suffered by reason of the use of this product for purpose not indicated by the label or when used contrary to the directions or instructions hereon nor with respect to breach of any warranty not expressly specified herein. Buyer accepts this material subject to these terms and assumes all risk of usage and handling except when used or handled in accordance with the label. Neither manufacturer nor seller makes, and their employees and agents are not permitted to make, any representation or warranties, express or implied by law, not specifically set forth herein.