



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 28, 2026

Susan Westra  
Regulatory Specialist III for Chem-Tech, Ltd.  
Neogen Regulatory  
620 Leshar Place  
Lansing, MI 48912

Subject: Label Amendment - Registration Review Mitigation for Permethrin  
Product Name: CT 10 Concentrate  
EPA Registration Number: 47000-103  
Case Number: 478245  
Application Dates: March 24, 2021

Dear Susan Westra:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Permethrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Robert Little by phone at (919) 541-5667, or via email at [little.robert@epa.gov](mailto:little.robert@epa.gov).

Sincerely,

A handwritten signature in dark ink, appearing to read "Kevin Costello", is positioned above the typed name.

Kevin Costello, Branch Chief  
Risk Management and Implementation Branch 2  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

## CT 10 Concentrate

For both indoor and outdoor use.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climate modification and being grown in interior landscapes, ornamental gardens or parks or lawns and grounds.

For Use in Residences and Non-Food/Feed Areas of Commercial Buildings, Institutions, Warehouses, Theaters, Office Buildings, Schools, Motels, Hotels, Restaurants, Kennels and Food/Feed Processing Establishments.

PET USE APPLIES TO ONLY ON DOGS

### ACTIVE INGREDIENT:

Permethrin\* ..... 10.00%

OTHER INGREDIENTS\*\* : ..... 90.00%

TOTAL ..... 100.00%

\* cis/trans ratio: Max 65% (+/-) trans and min. 35% (+/-) cis.

\*\* Contains Petroleum Distillates

EPA Reg. No. 47000-103

EPA Est. No. 47000-IA-01

EPA Est. No. 61282-WI-01

EPA Est. No. 66171-CA-001

EPA Est. No. 66171-TN-001

[(First letter of batch number indicates establishment)]

KEEP OUT OF REACH OF CHILDREN

### WARNING

See [inside, side, front, back] [panels, booklet, leaflet] for [First Aid and] additional Precautionary Statements

### Net Contents:

8 fluid ounces (236.588mL)

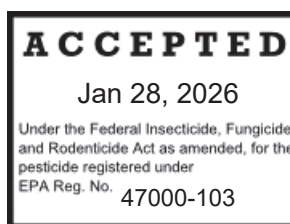
16 fluid ounces (473.176mL)

32 fluid ounces (0.946L or 946.353mL)

1 gallon (3.785 liters)

55 gallons (208 liters)

250 gallons (946 liters)



### Manufactured by:

Chem-Tech, Ltd.

1006 Business Hwy 5

Pleasantville, IA 50225 U.S.A.

<Do Not Use on Cats Graphic >



{**Note to Reviewer:** Items in [brackets] represent optional language. Standard measurements may be abbreviated or written out. "[This product]" supports the addition of the product brand name, which must be formatted in a size consistent with the surrounding body text. For brand names used in body text, **bold**, *italic*, and/or ALL CAPITALS

is also permitted. Additional/optional marketing statements are listed on the last page(s) of this label. Section headers may be centered or formatted for emphasis, consistent with general label layout.}

{**Note to Reviewer:** First Aid statement may be formatted without bullets or as paragraph(s)}

<b>FIRST AID</b>	
<b>If on Skin or on Clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice or transport the patient to the nearest hospital.</li> <li>• Do not give <b>any</b> liquid to the patient.</li> <li>• Do not administer anything by mouth to an unconscious person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate. May pose an aspiration pneumonia hazard.	
<p><b>Have product container or label with you when calling a poison control center, doctor, or going in for treatment.</b></p> <p><b>For 24-hour emergency information on this product, call</b>  <b>1-800-498-5743 (US &amp; Canada) or 1-651-523-0318 (all other areas)</b></p>	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Causes skin irritation. Do not get on skin, in eyes or on clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Do not use on puppies under 12 weeks. Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing animals, or animals on medication. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with larger amounts of water. If signs continue, consult a veterinarian immediately. Do not use on cats.

### Personal Protective Equipment (PPE):

Mixers, loaders, applicators, and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants;
- Socks and chemical –resistant footwear;
- Chemical-resistant gloves (barrier laminate or Viton); and

- Goggles or face shield.

### **User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with 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 extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off of the treatment area. Rinsing application equipment over the treated area will help avoid run-off to water bodies or drainage systems.

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

{**Note to reviewer:** Additional Environmental Hazard Statement below is required for containers equal to or greater than 5 gallons or 50 pounds}

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or to other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### **PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill, or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

## DIRECTIONS FOR USE

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

**READ THIS LABEL:** Read this entire label and follow all use directions, use restrictions and precautions.

### SHAKE WELL BEFORE USE

### USE RESTRICTIONS

- Do not apply as a broadcast treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals, and nursing homes.
- Do not allow people or pets in treated areas until sprays have dried. Remove pets, birds and cover fish aquariums before spraying.
- Do not allow spray treatment to drift onto pastureland, cropland, poultry ranges or into water supplies.
- Do not use on crops for food, forage or pasture.
- Do not apply by air.
- Do not use in food 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 or while the facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms, but excluding areas where food may be prepared or held. In the home, remove or cover all food processing surfaces and utensils during treatment or thoroughly wash before reuse. Remove or cover exposed food prior to treatment.
- Do not apply when food is present.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- Except when applying to pets or 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 pets or livestock, only protected handlers may be in the area during application.
- Application of product on pets must only be done indoors.
- Spot treatments must not exceed two square feet in size (for example, 2ft by 1 ft or 4 ft by 0.5ft.).
- Do not water the treated area to the point of run-off.
- Do not apply to or allow product to come into contact with cats or kittens.
- Do not allow to enter indoor or outdoor drains. No permita la entrada a desagües internos o externos.



***For Outdoor Applications:***

- Do not apply or irrigate to the point of run-off.
- Do not allow the product to enter any drain during or after application.
- Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drain, water bodies, or aquatic habitat can occur.
- Do not apply directly to impervious horizontal surface such as sidewalks, driveways, and patios except as spot or crack-and-crevice treatment.
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).
- Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, river, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.
- Do not apply when the wind speed is greater than 15 mph.
- All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
  1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation.
  2. Perimeter brand treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
  3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
  4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch.
  5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
  6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.
- Treat surfaces to ensure thorough coverage but avoid runoff.
- To treat insects harbored in voids and cracks-and crevices, applications must be made in such a manner to limit dripping and runoff onto untreated structural surfaces and plants.

***In commercial animal premise automatic misting systems:***

- Not for use in outdoor residential misting systems (indoor or outdoor).
- Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.
- Do not apply when food, feed, or water is present.
- Do not apply directly to animals.
- When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority (ies) where they are installed.



- When applying via remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.
- Direct nozzles to spray toward the target area and away from areas where people are typically present.
- Do not use in an evaporative cooling system.
- Do not use in misters located within 3 feet of air vent, air conditioner units, or windows.
- If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds \_\_\_\_\_ parts [product name] to \_\_\_\_ parts water.
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of \_\_\_\_\_.

### **Resistance Management Recommendations**

For resistance management, [Product Name] contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to [Product Name] and other Group 3A insecticides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of [Product Name] or other Group 3A insecticides with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target species when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues for the targeted pests between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use. that includes scouting, uses historical information related to pesticide use, record keeping, and which considers cultural, biological and other chemical control practices.
- 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.
- Contact your local extension specialist for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact your local Neogen representative at 1-800-477-8201.



## APPLICATION INSTRUCTIONS:

### Mixing Instructions:

This is an easy-to-apply product that can be used to control listed nuisance insects. Apply with hand-pressurized or power-operated sprayers. Carefully measure and mix the amount of product and water as directed. Where appropriate, measure the area to be treated by measuring the length and the width then multiply to determine the square footage of the area. When mixing, fill the application equipment with half of the water first and then measure and add the appropriate amount of [this product], followed by the remaining water. Shake or stir thoroughly to mix the product and water. Thorough spray coverage is necessary, but do not allow run-off.

For maximum effectiveness, a combination of localized application and space treatment are recommended.

Dilution rates on this label will yield the following ready-to-use product:

Rate	Fl. Oz. of Concentrate per Gallon of Finished Solution	% Permethrin
1 : 19	6.4	0.50%
1 : 39	3.2	0.25%
1 : 99	1.28	0.10%
1 : 199	0.64	0.05%
1 : 399	0.32	0.025%

The number in parenthesis following dilution direction below refers to the Permethrin concentrate in the diluted product.

## INDOOR USE

### FOR USE AS SURFACE SPRAY

For initial cleanup of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fl. oz. per gallon) (0.5%).

For normal infestations and maintenance, dilute 1 part concentrate in 39 parts water (3.2 fl. oz. per gallon) (0.25%).

**[To control] [cockroaches, waterbugs, Palmetto bugs, ants, silverfish, firebrats, spiders, crickets, millipedes, clover mites, cheese mites, granary weevils, rice weevils, confused flour beetles, rust red flour beetles, saw toothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, mealworms, grain mites and cadelles]:**

Use a good sprayer adjusted to deliver a coarse wet spray. Direct [the spray] [this product] into hiding places, cracks and crevices, under pallets, around containers or stored foods, around the bases of machinery, and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry. If surface application only is to be used, apply spray as a spot-treatment to floors, carpets, rugs and other surfaces applying at a rate of 1 gallon of the properly diluted use-solution to 750 square feet.

**[To control] centipedes, ground Beetles, pillbugs, sowbugs, scorpions, and ticks:** Apply [this product] around doors and windows and other places where these pests may enter premises. Treat baseboards, storage areas and other locations where these pests are found.

***[To control] fleas and ticks***

Remove pet bedding clean thoroughly or destroy. Apply [spray] [this product] as a spot-treatment to pet resting quarters. Adult fleas and larvae contacted by spray will be killed. Put fresh bedding down once spray has dried. Direct spray as a spot-treatment to spray rugs and carpets where infestations are bad. Test delicate fabrics in an inconspicuous area prior to use.

***[To Kill] fleas and ticks on dogs***

Dilute 1 part concentrate to 99 parts of water (1.28 fl. oz. per gallon) (0.10%). Using protective gloves (mitts), wet the animal by dipping or spraying. Make sure coat is thoroughly wetted to the skin. Fluff the hair to penetrate to the skin. Do not apply to eyes, face, or genitalia. Allow dog to air dry or blow dry. Do not towel dry. Reapply every 30 days, if necessary.

**Treatment of Flying Insects Resting Places:**

***[To aid in the control] of mosquitoes, gnats, skippers:*** – Treat walls, ceilings, moldings, screens, door frames, window frames, beams, light cords and similar resting places using a dilution of 1:19 (0.50%)

***[To control] carpet beetles***

Spray edges of carpeting and under carpets and rugs. Make localized applications to floors and baseboards, using spot-treatment for floors. Spray directly into cracks, closets and infested areas of shelving.

***[To control] bedbugs***

Spray mattresses lightly, particularly around tufts and seams. Take bed frame apart and spray in all joints. Treat baseboards, moldings and spot-treat floors. Allow all treated articles to thoroughly dry before reuse.

***[To control] clothes moths***

Remove any infested articles from storage, brush thoroughly and air for several hours in sunlight, if possible. Apply [spray] [this product] liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping spray nozzle at least 3 feet from fabrics to avoid staining.

***[To kill] lice and louse eggs***

Treat only those garments and parts of bedding, including mattresses and furniture which cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration before treating with [this product]. Inspect again after drying then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated articles to dry thoroughly before reuse.

**FOR USE AS A SPACE SPRAY:**

For initial cleanup of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fl. oz. per gallon) (0.50%).

For normal infestations and maintenance, dilute 1 part concentrate in 39 parts water (3.2 fl. oz. per gallon) (0.25%).

Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilation systems.

***[For rapid control] of [house flies, fruit flies, gnats, mosquitoes, Skipper flies, black flies, Angoumois grain moths, and Tobacco moths:]***

Direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 fl. oz. per 1000 cu. ft. of space. Keep area closed for at least 10 minutes. Vacate areas after treatment and ventilate and sweep up dead insects before reoccupying.

For rapid kill of exposed or accessible states of other insects named on this label, apply [this product] using conventional, mechanical or compressed air equipment (non-thermal), following directions for space spraying. Apply the above dilutions at a rate of 1 fl. oz. per 1,000 cubic feet of space.

### **FOR USE ON ORNAMENTAL PLANTS:**

**Mix 0.32 fl. oz. in 1 gallon of water. Do not use more [of this product] than listed on the label, as this may cause plant injury. Use this dilution unless other instructions are given.**

To protect plants in indoor landscaping, spray directly on insects. In the home, remove infested plants from living areas prior to application. Spray plants in an area not likely to be occupied by children or pets (particularly fish). When the leaves dry, plants can be returned to their original locations. Use with care on ferns, palms and fuchsia. As with all plants, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars and therefore, a wide range of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, then check for possible injury. Repeat applications may be necessary to control citrus black flies on non-bearing citrus and adult Japanese beetles on roses.

<b>Plants</b>	<b>Insects</b>
Ageratum, Ardisia, Aster, Azalea, Baby's Breath, Begonia, Birdsnest Fern, Bleeding Heart, Carnation, Chrysanthemum, Coleus, Crown of Thorns, Cockscomb, Cyclamen, Dracaena, Dumbcane, English Ivy, Fuchsia, Gladiolus, Grape Ivy, Hypoestes, Ivy, Juniper, Lily, Marigold, Orchid, Palm Pansy, Peperomia, Petunia, Philodendron, Piggyback Plant, Poinsettia, Portulaca, Pothos, Prayer Plant, Purple Passion, Rabbits Foot Fern, Rose, Schefflera, Snapdragon, Snake Plant, Statice, Velvet Plant, Verbena, Zinnia	Aphids, armyworms, cankerworms (fall, spring, corn earworms, inchworms, Japanese beetles, Leafminers, Leafrollers, mealybugs, scales, spider mites, thrips (exposed), Whiteflies
Chrysanthemums	Armyworms, cabbageworms, cutworms, Leafrollers
Velvet plants	Fungus Gnats

## **OUTDOOR USE**

### **HOSE-END SPRAYER USE DIRECTIONS**

#### **Mixing Instructions:**

Fill sprayer bottle half-way with water, then add 4 fl. oz. of [this product] to the sprayer bottle. Add water to fill bottle. Shake well. Attach sprayer bottle to hose and follow these simple instructions:

1. Make sure the hose-end sprayer is firmly connected to the hose.

2. Make sure the sprayer is in the OFF position. Turn water supply on at the faucet. For best results, turn hose faucet to maximum. Water pressure will build in the hose.
3. To apply product, turn the control valve to the ON position. Water and product are now being mixed at the proper rate.

### **FOR USE ON LAWNS**

***[To control] ants, armyworms, chiggers, chinch bugs, crickets, cutworms, fleas, grasshoppers, mosquitoes, Sod webworms, Sowbugs, and ticks***

Spray when pests first appear. For sod webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

Spray grass starting at the edge of the lawn furthest from the faucet. Walk backwards away from the spray mist and towards the faucet. This helps to avoid contact of shoes and hose with treated grass. Always point sprayer away from body. Use when the wind is calm to avoid splash-back. Do not spray on a windy day. Sweep the sprayer left and right to ensure even coverage. Apply the entire contents evenly over 1,000 square feet of lawn.

To stop spraying, turn the control valve to the OFF position. Turn off water at the faucet. To relieve water pressure in the hose, turn the control valve to the ON position before removing the sprayer bottle from the garden hose.

**ALLOW SPRAY TO THOROUGHLY DRY ON THE LAWN BEFORE PERMITTING ANIMALS OR CHILDREN TO ENTER TREATED AREA.**

### **WHEN/WHERE TO SPRAY:**

To avoid drift, spray on calm days. DO NOT spray near fish ponds, streams or rivers as this product is toxic to aquatic life. DO NOT spray plants in the middle of the day in hot summer weather (i.e. above 85°F/29.4 °C) as the spray may burn the plants. For best results, spray when insects or insect damage are first observed.

### **FOR USE ON ORNAMENTALS AND HEDGES:**

***[To Control] Aphids, bagworms, Eastern tent caterpillar, fall webworms, grasshoppers, mites, mosquitoes, orange striped oakworm, spittle bugs, whiteflies, yellownecked caterpillar, cutworms, leafhoppers, mealybugs, mimosa webworms, redhumped Caterpillar and thrips (exposed):***

Apply [spray] [this product] thoroughly on all parts of hedges and bushes. Be sure to cover trunks, branches, and inside and outside of leaves. When spraying leaves, be sure to spray both the upper and lower surfaces. Spray to penetrate dense foliage, but avoid over-spraying to the point of excessive run-off. To prevent being contacted by spray, do not apply to overhead areas. Treat at the first sign of insects or insect damage, and repeat at 7- to 10-day intervals, if needed.

### **FOR USE AS A PERIMETER TREATMENT:**

Spray outside surfaces of barns, dairies, poultry houses, swine and livestock housing, and feed lots to control house flies, stable flies and other manure-breeding flies. [This product] also aids in the control of cockroaches, ants, spiders, mosquitoes, crickets and face flies. Walk and spray at a steady pace. Spray walls and surfaces thoroughly but do not allow runoff to occur. Do not contaminate animal feed or water by spray.

### ***For Temporary Reduction of Annoyance from flies, gnats & mosquitoes***

For outdoor use at drive-in restaurants, drive-in theaters, urban areas, parks, playgrounds and other recreational areas, dilute 1 part concentrate in 39 parts water (3.2 fl. oz. per gallon)(0.25%). Direct the spray into tall grass, shrubbery and around lawns, where these pests may hover or rest.

Apply [this product] while the air is still, and avoid over-wetting foliage. Make applications prior to occupancy.

***For the Treatment of corrals, feedlots, swine lots and zoos***

Cover any exposed water, drinking fountains and animal feed and feeding equipment before applications. Fill the area with mist and direct the [spray] [this product] into tall grass, shrubbery and around lawns where the above pests may hover or rest. Apply while the air is still and avoid wetting foliage. In zoos, do not expose reptiles to this product.

**FOR USE ON ORNAMENTAL PLANTS:**

To protect ornamental plants, including trees, shrubs, flowers, evergreens, foliage plants and ground covers, use [this product] as a contact and residual spray. Treat at the first sign of insects or insect damage. Apply in the late afternoon or evening when the temperature ranges from 50°F to 80°F (10°C to 26.7°C and when there is little or no wind. Spray at 4- to 8-day intervals if insect activity continues. Wet the plants thoroughly, but avoid run-off or dripping. Try to hit underside of leaf. Do not use more product than listed on the label as this may cause plant injury.

<b>Plants</b>	<b>Insects</b>
Ageratum, Arizona Cypress, Aster, Azalea, Begonia, Coleus, Common Ninebark, Common Snowberry, Elm, Exacum Euonymus, English Ivy, Gladiolus, Gold bells, Hypoestes, Ivy, Lilac, Marigold, Mock Orange, Nannyberry, Orchid, Palm Pansy, Pea Shrub, Petunia, Philodendron, Poinsettia, Rhododendron, Rose, Snapdragon, Taxus, Wax Plant, Weeping Fig, Zinnia.	Aphids, Bagworms, Cicadas, Corn Earworms, Fall Cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider Mites, Exposed Thrips, Whiteflies

**FOR USE ORNAMENTAL TREES:**

Use sufficient spray to obtain full coverage of all foliage.

<b>Trees</b>	<b>Insects</b>
Birch	Leafminers
Cherry and Honeysuckle	Fall Webworms
Conifers	Budworms
Douglas and Grand Firs	Tussock Moths
Elm	Elm Leaf Beetle, Elm Spanworms, Fall Webworms
Non-Bearing Citrus	Citrus Black Flies
Oak	Oakworms
Pine	Pine moths, Pine needle miners, Pine beetles, Needle scales
Tulip Poplar	Aphids

**FOR USE ON NUISANCE PESTS IN OUTDOOR AREAS:**

For severe infestation, dilute 1 part concentrate in 19 parts water (6.4 fl. oz. per gallon of water) (0.50%) and treat each 400 linear feet with a 6-inch spray band. For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 fl. oz. per gallon) (0.25%).

<b>Insects</b>	<b>Directions</b>
Ants, crickets, earwigs, fleas, ticks	For localized infestations of these insects in areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways.
Tent caterpillars	Apply when caterpillars are young, and tents are first noticed. For best results, apply in the late afternoon or evening. Caterpillars may be seen escaping from the tent after treatment, however they should die within several hours.
<b>Outside Surfaces of Buildings</b>	
Ants, clover mites, crickets, earwigs, millipedes, Sowbugs (Pillbugs)	To help prevent infestations of buildings, treat the building foundation to a height of 2 feet where pests are active and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, patios, garages and other areas where these pests may be found.
Flies (cluster, house), gnats, flying moths, mosquitoes	As an aid in reducing annoyance from these insects, spray outside surfaces of screen, doors, window frames or wherever these insects may enter the home. Also treat surfaces around light fixtures on porches, in garages and in other places where these insects congregate or alight.

**FOR USE ON LAWNS:**

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Irish Moss, Merion and St. Augustine lawns.

<b>Insects</b>	<b>Directions</b>
Armyworms, ticks, cutworms, chinch bugs, fleas, Sod Webworms	Thoroughly wet grass with water a few hours before applying [this product]. Home lawns should be no taller than 3 inches at the time of application. Mix 3.2 fl. oz. per gallon of water (0.25%) to treat 1,000 square feet. Slightly more water may be used as long as the amount of product applied per area is the same. Delay watering or mowing for 24 hours after treatment. For heavy infestations, repeat application after 2 weeks.
Japanese Beetle, grubs, mole crickets	Lawns should be no taller than 3 inches at the time of application. Mix 1.28 fl. oz. per gallon of water (0.10%) to treat 1,000 square feet. Slightly more water may be used as long as the amount of product applied per area is the same. Irrigate lawns with ¼ inch of water immediately after application. For heavy infestations, repeat application after 2 weeks.
Ants, crickets, grasshoppers	Thoroughly wet grass water a few hours before applying [this product]. Home lawns should be no taller than 3 inches at the time of application. Mix 1.28 fl. oz. per gallon of water (0.10%) and treat 1,000 square feet. Slightly more water may be used as long as the amount of product applied per area is the same. For heavy infestations, repeat application after 2 weeks.
Fire Ants	Mix 6.4 fl. oz. in 1 gallon of water (0.50%). Apply at the rate of 1 gallon



	per mound as a gentle rain from a typical garden sprinkling can. Thoroughly wet the mound and surrounding area to a diameter of 4 feet. For best results, apply in cool weather, 65°F to 80°F (18.3°C to 26.7°C), or in early morning or late evening hours. Treat all mounds in the vicinity and treat all colonies which have not yet constructed mounds. Do not use equipment that produces a pressurized spray since this will disturb fire ants and cause migration, reducing product effectiveness.
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### FOR USE ON TREES AND SHRUBS

Mix 1 fl. oz. of [concentrate] [this product] in 3 gallons of water. Spray at the first sign of insects or insect damage. Wet leaves and branches to the point of dripping. For best results, penetrate dense foliage. Treat in later afternoon or evening when temperature range from 50°F to 75°F (10°C to 23.9°C) and when there is little or no wind. Repeat every 4 to 8 days if needed. Application can be made up to the day of collection.

Plants	Insects
Arizona Cypress, Azalea, Birch, Ornamental Cherry, Non-Bearing Citrus, Conifers, Elm, English Ivy, Euonymus, Weeping Fig, Fir, Honeysuckle, Lilac, Mock Orange, Oak, Palm, Philodendron, Pine, Poinsettia, Tulip, Poplar, Rhododendron, Taxus	Aphids, Bagworms, Cicadas, Fall Cankerworms, Fall Webworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, Thrips (exposed), Whiteflies
Conifers	Budworms
Elm	Elm leaf beetles, elm Spanworms, fall webworms
Douglas and Grand Fir	Tussock moths
Non-Bearing Citrus	Citrus black Flies
Oak	Oakworms
Pine	Pine Needles, pine moths, pine needle miners, needle scales

### ROSES AND FLOWERS

Mix 1 fluid ounce in 3 gallons of water. Spray at the first sign of insects. Wet the plants to the point of dripping. Try to penetrate dense foliage. Treat in later afternoon or evening when temperature range from 50°F to 75°F (10°C to 23.9°C) and when there is little or no wind. Repeat every 4 to 8 days if needed. Application can be made up to the day of collection.

Plants	Insects
Ageratum, Aster, Azalea, Begonia, Coleus, Common Ninebark and Snowberry, Exacum, Gladiolus, Gold Bells, Hypoestes, Ivy, Lilac, Marigold, Mock-Orange, Nannyberry, Orchid, Pansy, Pea Shrub, Petunia, Poinsettia, Rhododendron, Rose, Snapdragon, Zinnia	Aphids, bagworms, cicadas, cankerworms (fall), inchworms, leafminers, leafrollers, mealybugs, spider mites, thrips (exposed), fall webworms, whiteflies.



## TREATMENT OF ANIMALS AND ANIMAL QUARTERS

Insects	Dilutions (Mix Well)	How to Apply
<b>PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep and Goats)</b>		
Horn Flies, face flies, stable flies, mosquitoes, lice, mites, ticks (Including deer tick which may carry Lyme Disease)	For severe infestations, dilute 1.28 fl. oz per gallon of water (1 part concentrate to 99 parts water) (0.10%). For normal infestations, dilute 0.64 fl. oz per gallon of water (1 part concentrate to 199 parts water) (0.05%)	Spray thoroughly to cover the entire animal. For lice or mites, a second treatment is recommended in 14-to 21 days. Spray lactating dairy cows only after milking is completed.
Horn flies, face flies, stable flies, ear ticks	Dilute 2 fl. oz. per gallon of water (0.16%)	For Spot Treatment – Low Pressure Spray – Apply 0.5 fl. oz. of diluted use-solution per ear or 1- to 4 fl. oz. on face, or 12-16 fl. oz. along the backline.
Horn flies, face flies, stable flies, ear ticks	Dilute 8 fl. oz. in 5 gallons of <b>oil</b> (0.125%)	For Backrubber – Keep backrubber charged. Results can be improved by forced use.
<b>FOR PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Poultry &amp; Livestock Housing)</b>		
Horseflies, Stable flies, lesser houseflies, and other manure breeding flies, fleas, lice, mites, ticks (Including deer tick which may carry Lyme Disease). Aids in control of cockroaches, mosquitoes and spiders	Dilute 3.2 fl. oz. per gallon of water (0.25%)	Spray walls and surfaces thoroughly, but do not let run off occur. Spray 1 gallon for 75- to 1,000 sq. ft. Treat no more often than once every 2 weeks. Do not contaminate animal's feed or water by spray. Do not use in milk rooms.
<b>PESTS IN CATTLE BARNS, HORSE BARNS, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS, STABLES AND PADDOCKS</b>		
Flies, mosquitoes, gnats	For initial cleanout of severe insect infestations, dilute 6.4 oz per gallon of water (1 part concentrate to 19 parts water) (0.50%). For normal infestations, dilute 3.2 oz per gallon of water (1 part concentrate to 39 parts water) (0.25%)	Apply as a fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use 1 fl. oz. of diluted use-solution per 1,000 cubic feet of space. For best results, close doors and windows before spraying and keep area closed for 10 to 15 minutes. Vacate the treated area and ventilate before reoccupying.

**FOR PESTS ON SWINE AND POULTRY**

(Do not ship swine for slaughter within 5 days of last treatment)

Mange mites	Dilute 1.28 fl. oz. per gallon of water (1 part concentrate to 99 parts water) (0.10%)	Spray, dip or sponge animals. Repeat treatment after 14 days, spraying walls, floor spaces, and bedding to kill mites during later hatching, and developing stages.
Blowflies, flies, mosquitoes, hog lice, fleas, ticks (Including deer tick which may carry Lyme Disease)	Dilute 1.28 fl. oz. per gallon of water (1 part concentrate to 99 parts water) (0.10%)	Spray, dip or sponge to apply 1 pint 916 fl. oz.) per pig, especially around ears.
Poultry mites, Northern Fowl mites, lice	Dilute 1.28 fl. oz. per gallon of water (1 part concentrate to 99 parts water) (0.10%)	Spray at the rate of 1 gallon per 100 birds with a fine mist. Spray roosts, walls, nests and cages.

{**Note to Reviewer:** Use Storage and Disposal #1 for residential uses. Use Storage and Disposal #2 for commercial and agricultural uses.}

{Storage and Disposal #1}

### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry area. Always store pesticide in the original container. Store away from food and pet food. Avoid extremes in temperature.

#### **PESTICIDE DISPOSAL AND CONTAINER HANDLING:**

***Non-refillable container.*** Do not reuse or refill this container.

***If empty:*** Place in trash or offer for recycling if available.

***If partly filled:*** Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for disposal options..

{Storage and Disposal #2}

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry area. Always store pesticide in the original container. Store away from food, pet food, feed, seed, fertilizers and veterinary supplies. Avoid extremes in temperature.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

*[For plastic containers with a capacity of less than or equal to 5 gallons:]*

**CONTAINER HANDING: Non-refillable container.** Do not reuse or refill this container. Triple rinse or equivalent 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  $\frac{1}{4}$  full with an appropriate spray oil and recap. Shake for 10 seconds. Pour rinsate into application equipment or 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 or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or other methods approved State and local ordinances.

*[For plastic containers with a capacity of greater than or equal to 5 gallons:]*

**CONTAINER HANDING: Non-refillable container.** Do not reuse or refill this container. Triple rinse or equivalent promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with an appropriate spray oil. Recap and tighten closures. Tip container on its side and rolling it back and forth, ensuring at least one complete revolution, for 30 second. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or other methods approved State and local ordinances.

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## DISCLAIMER

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**[DISCLAIMER:]** To the extent permitted by applicable law, Seller makes no representation or warranty, either express or implied, for results due to misuse, improper handling, or improper storage of this material. Nor does Seller assume any responsibility for injury to persons, crops, animals, soil, or property arising out of misuse, improper handling, or improper storage of this material.

OR

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## LIMITED WARRANTY

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To the extent permitted by applicable law, Neogen Corporation makes no warranty concerning uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label. To the extent permitted by applicable law, Neogen Corporation

shall not be liable for (1) any consequential, incidental, or special damages related in any way to this product or its uses, or (2) any damages related in any way to resistance to pesticides.

**OR**

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**CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY**

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**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitations 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.

To the extent permitted by applicable law, Manufacturer and Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Manufacturer, and Buyer and User assume the risk of any such use. To the extent permitted by applicable law, MANUFACTURER AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY, EXCEPT AS STATED ABOVE.

To the extent permitted by applicable law, in no event shall Manufacturer or Seller be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES, OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY, OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF THE MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Manufacturer and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitations of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Manufacturer.

For non-emergency (e.g., current product information),  
Call: **1-800-621-8829**

[Code (RE.EL.) RE.EL.]

**Alternate Brand Names:**

Prozap<sup>®</sup> Insect

Prozap<sup>®</sup> Insectrin X Concentrate

Prozap<sup>®</sup> 10 Concentrate

SureKill<sup>®</sup> 10 Concentrate

**Optional Marketing Statements/Graphics:**

10% Permethrin

RAPID KILL

CT 10 Concentrate

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December 5, 2025

Broad Spectrum, Multi-Use Insecticide

[To] [Control/Controls/Kills] [Lawn Pests][Ornamental Plant Pests]

[Controls/Effective Control] [Hard-To-Kill Insect Pests]

Multi-Purpose Insect Killer

Works Fast

Residual Action

Long Lasting

Quick Acting

Kills Fast – Proven to Last

Livestock and Animal Premise Spray

[For Use] on Livestock

[To Control/Controls] [listed insects]

[For use on] [listed animals]

{**Note to Reviewer:** References in optional marketing claims to [listed animals/insects] may be replaced with specific animals/insects from this label, provided the claims are not misleading with regard to approved uses.}

Chem-Tech, Ltd. is a wholly-owned subsidiary of Neogen Corporation

Manufactured in the U.S.A.

<American Flag graphic>

<Graphics of listed insects>

<Graphics of listed animals>

<Chem-Tech logo>

<Neogen logo>

<Neogen Corporation logo>

<Neogen flask logo>

Example Company Logos:



or

