



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 17, 2018

Susan Westra  
Chem Tech, Ltd.  
110 Hopkins Drive  
Randolph, Iowa 50225

Subject: Label Amendment – Submission of amendment in labeling in response to letter dated 10/4/2016, which noted efficacy data wasn't sufficient and new citation of data was submitted  
Product Name: Permethrin 0.5% MultiPurpose Spray  
EPA Registration Number: 47000-148  
Application Date: 11/1/2016  
Decision Number: 523278

Dear Ms. Westra:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. 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 18 months from the date of this letter. After 18 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.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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EPA Reg. No. 47000-148  
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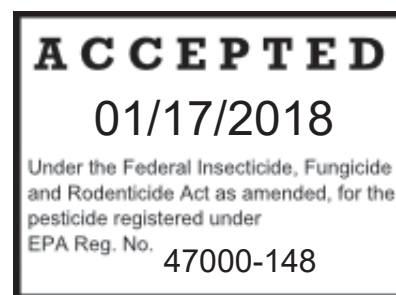
with FIFRA section 6. If you have any questions, please contact Autumn Metzger at 703-919-7453, or [Metzger.autumn@epa.gov](mailto:Metzger.autumn@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Elizabeth Fertich". The signature is fluid and cursive, with the first name "Elizabeth" and last name "Fertich" clearly distinguishable.

Elizabeth Fertich  
Product Manager 4  
Invertebrate & Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure



## Permethrin 0.5% Multi-Purpose Spray

Ready to use

**For use on beef and dairy cattle, goats, sheep, hogs, dogs, horses and poultry to control flies, gnats, mosquitoes, lice and mites. For use indoors and outdoors (including poultry houses) to control flies, gnats, mosquitoes, lice and mites.**

### ACTIVE INGREDIENT:

Permethrin\* ..... 0.5%

OTHER INGREDIENTS: ..... 99.5%

TOTAL ..... 100.0%

\* (3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate (Cis/Trans Ratio: Min. 35% (+/-) cis and Max. 65% (+/-) trans)

EPA Reg. No. 47000-148

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**

**CAUTION**

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

### Net Contents:

32 ounces (946.353mL)

1 gallon (3.785L)

2.5 gallons (9.464L)

### Manufactured by:

Chem-Tech, Ltd.

1006 Business Hwy 5

Pleasantville, IA 50225 U.S.A.

{**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>
<p><b>Have product container or label with you when calling a poison control center, or 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**

**CAUTION:** Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

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

Applicators and other handlers must wear the following:

- Long-sleeved shirt and long pants,
- Shoes and socks,
- Chemical-resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber or Viton).

### **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. As soon as possible, wash thoroughly and change into clean clothing.

## **ENVIRONMENTAL HAZARDS**

This pesticide 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 the treatment area.

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

## **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.

[Affix trigger, pump, or other type sprayer to container for application.] [Do not transfer to another container.]

## **SHAKE WELL BEFORE USE**

### **USE RESTRICTIONS**

- Except when applying to pets or livestock, do not enter or allow others to enter until sprays have dried.
- Do not use on crops used for food, forage, or pasture.
- Do not apply this product with a sponge.
- Except when applying to pets and 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 and livestock, only protected handlers may be in the area during application.
- 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.
- Not for use in outdoor residential misting systems.
- Do not use in commercial food/feed handling establishments, restaurants, or other commercial facilities where food is commercially prepared, processed, served, or stored. Do not use in institutions, schools, office buildings, or similar commercial buildings.
- Do not breathe vapors or spray mist.
- Cover or remove all food processing surfaces and utensils during treatment, and thoroughly wash before use.
- Do not apply when food or drinking water is present.
- Not for broadcast use on indoor residential surfaces.
- Do not use in aircraft cabins.
- Not for use in commercial animal premise automatic misting systems.
- Do not contaminate food or feedstuffs.

### **INDOOR APPLICATION**

For spot application only. Do not use as a space spray indoors. In the home, cover all food processing surfaces and utensils during treatment or thoroughly wash before use. Cover or remove exposed food/feed. Remove pets, birds, and cover fish aquariums before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry. Do not enter or allow other to enter until sprays have dried.

### ***Surface Spraying***

Hold sprayer approximately 12 to 15 inches away from surfaces to be treated and spray [this product] until surface is damp, but not to the point of run-off.

*For 60-Day [two months] Control of [Cockroaches, Waterbugs, Palmetto Bugs, Scorpions, Millipedes, Centipedes, Sowbugs, Pillbugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Rust Red Flour Beetles, Drugstore Beetles, Meal Worms, Grain Mites, and Cadelles]:*

Direct the [product name] spray into hiding places, cracks and crevices, and behind shelves and drawers.

### ***To Control Silverfish:***

Spray bookcases [with this product].

### ***To Control Ants:***

Spray trails, nests, and points of entry [with this product].

### ***To Control Carpet Beetles:***

Spray edges of carpeting and under carpeting and rugs. Make localized applications [of this product] to floor and baseboards. Spray until surface is damp, but not to the point of run-off. Spray directly into cracks, crevices and infested areas of shelving. Repeat application every 2 weeks.

### ***To Control Bed Bugs:***

Spray mattresses lightly [with this product], particularly around tufts and seams. Take beds apart and spray in all joints. Allow to dry thoroughly before remaking bed. Treat baseboards, moldings, and floors. Repeat application every 2 weeks.

### ***To Control Fleas (Adults and Larvae) and Ticks, including Ticks which may carry Lyme Disease (Adults and Larvae):***

Spot spray treatment of infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and for localized treatment of floors and floor coverings. Place fresh bedding in animal quarters following treatment. Repeat treatment every 2 weeks or 14 days as needed. Allow [this product] to dry thoroughly before allowing pets to contact treated areas. To control the source of flea infestations, treat your pet with a product registered for animal application. Also, treat your yard with a product registered for yard application.

### ***To Control Clothes Moths:***

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

***To Kill Lice and Louse Eggs:***

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

**ON LIVESTOCK**

**For Use To Protect [Cattle (Beef and Dairy), Goats, Sheep, Hogs, and Horses]:**

*To Control of [Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats]:*

Apply a light mist [of this product] sufficient to wet the surface of the hair. For face flies, spray face and head. Do not spray into eyes.

*To Control of [Stable Flies, Horse Flies, and Deer Flies]:*

Apply [this product] at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at regular intervals to give continued protection.

*To Control of Blood-Sucking Lice:*

Apply [this product] to the infested areas of the animal using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

*To Control of Poultry Lice:*

Spray roosts, walls and nests or cages thoroughly [with this product]. This should be followed by spraying over the birds with a fine mist.

*To Control of Bed Bugs and Mites in Poultry Houses:*

Spray [this product] into crevices of roost poles, cracks in walls, and cracks in nest where the bed bugs and mites hide.

**FOR PET DOG USE**

Consult a veterinarian before using this product on debilitated, medicated, aged, pregnant, or nursing animals. Sensitivities may occur after using **ANY** pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

*To Control [Fleas, Ticks, and Lice]:*

Start spraying at the tail moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body, [with this product]. While spraying, fluff the hair so that the spray will penetrate into the skin. Make sure spray wets thoroughly, but does not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Use protective gloves or mitts when applying this product. Repeat every 35 days as necessary for control.

**NOTE:** Not for use on puppies less than 12 weeks of age.

**DO NOT USE ON CATS OR KITTENS.**



## OUTDOOR APPLICATION

### USE RESTRICTIONS

Do not water the treated area to the point of run-off. Do not make applications during rain.

All outdoor application must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Treatment to soil or vegetation around structures;
2. Applications to lawns, turf, and other vegetation;
3. Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches, and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

### APPLICATION INSTRUCTIONS

#### For Use as a Perimeter Treatment:

##### ***To control Ticks, including Ticks which may carry Lyme Disease:***

Use [this product] as a residual treatment to control ticks, including the Deer Tick (*Ixodes dammini*), Lone Star Tick (*Amblyomma americanum*), Brown Dog Tick, (*Rhipicephalus sanguineus*), American Dog Tick (*Dermacentor variabilis*), and Western Black Legged Tick (*Ixodes pacificus*). For each of the areas listed below, apply until surface is wet, but not to the point of run-off.

Treat around windows and doors, porches, screens, eaves, patios, garages, under stairways, and in crawl spaces where these pests may enter.

Treat a band of vegetation and leaf litter 3 to 6 feet wide around the outside of buildings to help control ticks occurring there. To help control ticks in outdoor activity areas, treat a band of vegetation and leaf litter 6 to 10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

##### ***To Control Garden Insects:***

For use on roses, dahlias, asters, and other ornamentals to kill Japanese Beetles hit by spray, as well as Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers. [This product] may be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

[This product] may also be used on other plants such as African violets, azaleas, begonias, camellias, carnations, chrysanthemums, delphiniums, dogwoods, English ivy, euonymus, fuchsia, geraniums, Crassula grape vines, Kentia palms, laurels, marigolds, rhododendrons, rubber plants, snapdragons, stocks, wandering Jews, and zinnias.



[This product is] effective when used as directed against Whiteflies, Aphids, Spider Mites, Red Mites, Exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites, and Armyworms.

When spraying plants [with this product], do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants, and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly [with spray/this product] whenever possible.

Not for use on plants being grown for sale or other commercial uses, for commercial seed production, or for research purposes. Not for use in commercial greenhouses.

#### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry and secure area. Store in original sealed container away from food or feed.

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

**CONTAINER HANDLING:** *Nonrefillable container.* Do not reuse or refill this container.

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

*If partly filled:* Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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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 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 (NR.RI.) NR.RI.]

[Prozap® is a Registered Trademark of Neogen Corporation]

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

**Alternate Brand Name(s):**

Prozap® Fly-Die GPS

Prozap® General Purpose Spray

Prozap® Stock and Stable Spray

**Optional Marketing Statements/Graphics:**

For Domestic Use

[For] Use [Both] Indoors and Outdoors

[Controls] [listed insects]

For Control of [Fleas, Brown Dogs Ticks, and Lice] [on Premises] [and on Dogs]

[For Control of] Ticks which may Cause Lyme Disease [on Premises]

[For Control of] [Horn flies,] [Face Flies,] [House Flies,] [Mosquitoes,] and [Gnats] on [Cattle (Beef and Dairy),] [Goats,] [Sheep,] [Hogs,] and [Horses]

[For Control of] [To Control] Bed bugs and mites in Poultry Houses

Controls Fleas and Ticks on Dogs for 35 Days

[Provides] [60-Day/2-Month] Control of [Cockroaches, Fleas, Stored Product Pests, Spiders, Ants]

Protects Your Animals from Listed Pests

Indoor /Outdoor

[For] [To] Control] [Controls] Flies, Mosquitoes, and Gnats

35-Day Control of Fleas and Ticks on Dogs

Contains 0.5% Permethrin

Contains Permethrin

[Contains] [With] Citronella

Citronella [Scent] [Fragrance]

<Dog Graphic>

{**Note:** Graphic must represent a dog of 12 weeks of age or older}

<Sheep Graphic>

<Dairy/Beef Cattle Graphic>

<Pig Graphic>

<Chicken Graphic>

<Goat Graphic>

<Graphics of listed insects>

Manufactured in the U.S.A.

<American flag graphic>

<Chem Tech logo>

<Neogen logo>

<Neogen Corporation logo>

<Neogen flask logo>

Examples of listed Animal Graphics:



Company Logos:



Or

