

2024-1992, 2024-06-24

Safer's® TROUNCE® INSECTICIDE CONCENTRATE

Group	UN, 3	Insecticide
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For control of populations of Aphids, Mealybugs, Spider Mites, Whitefly, Brown Soft Scale, Psyllids, Rose or Pear Slugs and Earwigs on Greenhouse Peppers, Pear Trees, Shrubs, Landscape Trees, Herbs and Spices.

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

COMMERCIAL AGRICULTURAL

ACTIVE INGREDIENT:

Potassium salts of fatty acids 20.0%
Pyrethrins 0.2%

REG. NO. 24363 P.C.P. ACT

NET CONTENTS: 2 L – 250 L

Woodstream Canada Corporation
Unit 1, 25 Bramtree Court
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Tel: (800) 800-1819

DIRECTIONS FOR USE: Mix fresh solution. Trounce insecticide is a fast-acting, short-lived product. When listed insects appear, spray all plant parts including upper and lower leaf surfaces. Insects must be sprayed directly to achieve proper control. Do not spray plants in direct sunlight. Make applications when weather conditions promote slow drying such as early morning, late afternoon to evening. The longer the spray solution remains in the liquid state, the longer the product remains active. Product may be used up to the day before harvest used as directed below. Consult local agriculture authorities for further information on timings and number of applications.

Use Limitations:

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Do not wet plants to the point of runoff or drip.

To protect pollinators, follow the instructions regarding bees in the Environmental Precautions section.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Ground boom sprayer	Herbs and Spices (Crop Group 19)		25	4	45	25
Airblast sprayer	Pear, shrubs and landscape trees	Early airblast	45	15	50	40
		Late airblast	35	10	40	30

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

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The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

GENERAL USE INSTRUCTIONS: mix 5.0 litres of product concentrate to 100 litres of water. Do not exceed 10 applications per growing season.

APHIDS on greenhouse peppers: Apply 250 litre spray solution per 4000 square metres of greenhouse area. Make applications when aphids reach threshold levels. Apply with concentrated high volume power sprayers. Observe a minimum re-application interval of 14 days.

APHIDS on pear trees, shrubs and landscape trees: Spray when aphids are first seen on buds, new shoots, stems and the undersides of leaves.. Spray all plant surfaces as required. Repeat applications weekly for 2-3 weeks and thereafter as required, observing a minimum 7-day re-application interval.

MEALYBUGS on shrubs and landscape trees: Spray all plant parts as required, at 10-14 day intervals.

SPIDER MITES on greenhouse peppers, pear trees, shrubs and landscape trees: Spray all plant parts once weekly for 2-3 weeks, and thereafter as required, observing a minimum 7-day re-application interval. If possible, foliage should be misted with water daily until mite control is achieved.

WHITEFLY on greenhouse peppers: Spray all plant surfaces as required at 2 week intervals.

BROWN SOFT SCALE on shrubs and landscape trees: Spray all plant surfaces, as required at 10-14 day intervals. Product is only effective against the crawler stage of soft scale.

PEAR PSYLLA in Pear Orchards: Spray all plant surfaces as required at 10-14 day intervals.

ROSE AND PEAR SLUGS on shrubs and landscape trees: Spray all plant surfaces as required at 10-14 day intervals.

EARWIGS on shrubs and landscape trees: Spray all plant surfaces as required at 10-14 day intervals.

NOTE TO BUYER/USER: READ THE FOLLOWING BEFORE USING THE PRODUCT FOR SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Woodstream Canada Corporation and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. For these uses, Woodstream Canada Corporation has not fully assessed the performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

HERBS and SPICES*

Includes all Crop Group 19 Herbs and Spices to reduce populations of aphids, whiteflies, spider mites and earwigs. Apply 5.0 L/ha of product/100 L of water, in a spray volume of 625 L/ha. Do not exceed eight applications per crop season. Ground application only. Foliar application using conventional ground application equipment. Pre-harvest interval: 1 day. Application interval:

- For aphids apply when aphids reach treatment levels. Observe a minimum re-application interval of 14 days.
- For whiteflies: apply every 2 weeks
- For spider mites: apply weekly for 2-3 weeks, and thereafter as required, observing a minimum 7-day re-application interval.
- For earwigs: apply every 10-14 days

***Crop Group 19 - Herbs and Spices:** angelica, anise (anise seed), balm (lemon balm), basil, borage, burnet, chamomile, caraway, black caraway, catnip, celery seed, chervil (dried), chive, Chinese chive, clary, coriander (cilantro or Chinese parsley), coriander (seed), costmary, cumin, dill(dillweed), dill (seed), fennel (common), fennel (Florence), fenugreek, horehound, hyssop, juniper berry, lavender, lemongrass, lovage(leaf), lovage (seed), marigold, marjoram, mustard (seed), nasturtium, parsley (dried), pennyroyal, poppy (seed), rosemary, rue, saffron, sage, savory (summer, winter), sweet bay (bay leaf), tansy, tarragon, thyme, wintergreen, woodruff, wormwood.

CROP ROTATION:

Where applicable, a rotational plant-back interval of 30 days must be observed for crops not listed on the label.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Product may cause skin and eye irritation. Avoid contact with skin and eyes. Do not apply to blossoms or when temperatures exceed 28° C. Do not spray plants in direct sunlight. If in doubt about a sensitive

species spray a small test area on a plant before treating entire plant or crop. If this product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at : www.croplife.ca. DO NOT APPLY BY AIR.

DO NOT enter or allow worker entry into treated areas during the intervals specified in the following table:

Restricted Entry Intervals (REI)/Preharvest Intervals (PHI)	
Crop	REI and/or PHI
Herbs and Spices	1 day
Greenhouse pepper, pear orchard	12 hours
Outdoor ornamental trees/shrubs grown for production	

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

FIRST AID:

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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

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

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

Personal Protective Equipment (PPE)

Groundboom Application: Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab.

Mechanically Pressurized Handgun: Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes, and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides during mixing, loading, application, clean-up and repair

Handheld Airblast/Mistblower (droplet sizes 0.1-100 µm): For mixing and loading, wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. For application wear chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant hood, chemical-resistant footwear, socks, chemical-resistant gloves, and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH approved canister approved for pesticides. Limit amount handled to 0.05 kg ai pyrethrins (25 L Trounce)/day.

For all other application equipment, including automated boom sprayer in greenhouse, backpack spray devices, manually pressurized handwand or airblast application equipment: Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair.

ENVIRONMENTAL PRECAUTIONS: This product is toxic to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE. Do not allow waste water, effluent or runoff containing this product to enter lakes, streams, ponds or other waters.

This product is toxic to fish. Do not apply where runoff is likely to occur. Do not contaminate streams, lakes or ponds.

Toxic to bees. Bees can be exposed through direct spray, spray drift, and residues on leaves, pollen and nectar in flowering crops and weeds. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid applications when bees are foraging in the treatment area in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to the complete guidance “Protecting Pollinators during Pesticide Spraying – Best Management Practices” on the Health Canada website (www.healthcanada.gc.ca/pollinators). Follow crop specific directions for application timing.

DO NOT apply this product to flowering crops if bees are visiting the treatment area. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. For crops that are highly attractive to pollinators (pears, outdoor ornamental trees and shrubs) or when using managed bees for pollination services: **DO NOT** apply during the crop blooming period.

For all other crops: Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.

Greenhouse use: Toxic to bees and other beneficial insects. May harm bees and other beneficial insects, including those used in greenhouse production. Do not apply when bees or other beneficial insects are foraging in the treatment area.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland. Pyrethrins may impact predatory and parasitic arthropod species used in IPM programs within the treatment area. Unsprayed refugia for beneficial species of at least 1 metre from treatment area will help

maintain beneficial arthropod populations.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management Safer's TROUNCE® INSECTICIDE CONCENTRATE contains a Group 3 insecticide/acaracide. Any insect population may contain individuals naturally resistant to TROUNCE and other Group 3 insecticides/acaracides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of TROUNCE or other Group 3 insecticides/acaracides with different groups that control the same pests.
- Use tank mixtures with insecticides/acaracides from a different group that is effective on the target pest when such use is permitted.
- Insecticide/acaracide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors 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 Woodstream Canada Corporation at 1-(800) 800-1819 or at www.woodstreambrands.ca.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store in a cool dry place. Keep container closed.

DISPOSAL: Do not reuse empty container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking container to collection site:

1. Triple-or-pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of spill, and for clean-up of spills.