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Tattoo[®] C
SUSPENSION CONCENTRATE FUNGICIDE

**For Control of Late Blight in Potatoes, Field Tomatoes
and Downy Mildew in Cucurbits**

COMMERCIAL



POTENTIAL SKIN SENSITIZER
DANGER - CORROSIVE TO EYES

REGISTRATION NUMBER: 24544 PEST CONTROL PRODUCTS ACT

GUARANTEE:

propamocarb HCl 375 g/L
chlorothalonil 375 g/L

Contains 5-Chloro-2-Methyl-4-Isothiazolin-3-One at 0.001% and 2-Methyl-4-Isothiazolin-3-One at 0.0004% as preservatives.

Warning, contains the allergen Soy

NET CONTENTS: 10 LITRES

Product Information: 1 888 283 6847

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd S.E.
Calgary, Alberta T2C 3G3

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING
KEEP OUT OF REACH OF CHILDREN

**In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577
(24 hours a day).**

TATTOO C Suspension Concentrate Fungicide

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FOR MORE INFORMATION CONTACT:

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GENERAL INFORMATION

SECTION 1: THE PRODUCT

- For control of late blight in potatoes, field tomatoes and downy mildew in cucurbits.
- TATTOO C Suspension Concentrate Fungicide is a fungicide which combines the limited systemic action of propamocarb hydrochloride with the contact activity of chlorothalonil to give protection against late blight of potatoes, field tomatoes and downy mildew in cucurbits.

SAFETY AND HANDLING

SECTION 2: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT, AND RE-ENTRY RESTRICTIONS

PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN**
- **HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**
- Corrosive.
- Causes eye damage.
- Harmful if swallowed or absorbed through skin.
- **DO NOT** get in eyes or on clothing.
- Avoid contact with skin.
- Avoid breathing spray mist.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
- Wash thoroughly with soap and water after handling and before eating, drinking, or smoking.
- If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry.
- 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 website at www.croplife.ca.

PROTECTIVE CLOTHING AND EQUIPMENT:

- During ALL activities, workers must wear long pants, long-sleeved shirts and boots.
- During mixing, loading, cleanup and repair activities, workers must ALSO wear chemical resistant gloves and safety goggles or a face shield.

RE-ENTRY RESTRICTIONS:

DO NOT re-enter treated areas within 48 hours after treatment. If required, individuals may re-enter treated fields within 48 hours for short term tasks not involving hand labour provided that 4 hours have passed since application and that long pants and a long-sleeved shirt are worn.

Apply only when the potential for drift to areas of human habitation or areas of 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.

SECTION 3: FIRST AID AND TOXICOLOGICAL INFORMATION

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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.

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 immediately for further treatment advice.

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

TOXICOLOGICAL INFORMATION:

Medical personnel should contact Bayer's medical information services, toll-free 1-800-334-7577. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 4: ENVIRONMENTAL HAZARDS

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TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE

- **DO NOT** apply where runoff is likely to occur. Runoff from treated areas may be hazardous to aquatic organisms in neighbouring areas.
- **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the high water mark.
- **DO NOT** contaminate water when disposing of equipment washwaters.
- **DO NOT** apply when winds exceed 16 kph.
- **DO NOT** apply this product through any type of irrigation system.

- A buffer zone of 15 meters should be observed around bodies of water in order to protect aquatic organisms from drift from treated areas. Provincial buffer zones that are greater than 15 meters should be respected.

SECTION 5: STORAGE

- **DO NOT** contaminate water, food, or feed by storage or disposal.
- Keep away from fire or open flame or other sources of heat.
- **CANNOT BE STORED BELOW FREEZING.**
- If stored for 1 year or longer, shake well before using.
- Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs.
- **DO NOT** use or store in or around the home.
- Keep in original container during storage.
- In case of fire, leaking or damaged containers, call toll free (1-888-283-6847).

SECTION 6: DISPOSAL

Waste Disposal:

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the field just sprayed, **NOT ON THE CROP**, away from water supplies, ditches, irrigation canals and desirable vegetation.

Recyclable Container Disposal:

DO NOT reuse this 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 the container to the 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. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Container Disposal: DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

DIRECTIONS FOR USE

SECTION 7: CROP, DISEASE, RATE, TIMING

CROP	DISEASE	RATE	RECOMMENDATIONS
POTATO	LATE BLIGHT <i>(Phytophthora infestans)</i>	Apply TATTOO C Suspension Concentrate Fungicide at a rate of 2.7 L/ha.	<p>Use a maximum of 3 applications of TATTOO C Suspension Concentrate Fungicide per growing season as a foliar spray in a preventative program for control of late blight in potatoes. Begin applications when conditions are favourable for disease, but before infection, and continue on 7-14 day intervals until the threat of disease is over. When applying TATTOO C Suspension Concentrate Fungicide on the longer spray interval (10-14 days), alternate with a fungicide from a different mode of action group between TATTOO C Suspension Concentrate Fungicide applications. Use the 7 day interval when the risk and conditions for disease are high. Thorough spray coverage of all plant material (particularly lower stems) is essential to attain optimum systemic activity.</p> <p>GROUND APPLICATION: Apply TATTOO C Suspension Concentrate Fungicide in 200-300 litres of water per hectare.</p> <p>AERIAL APPLICATION: Apply TATTOO C Suspension Concentrate Fungicide in 45 litres of water per hectare.</p> <p>PHI potatoes: 7 days</p> <p>Apply by ground or air.</p>

CROP	DISEASE	RATE	RECOMMENDATIONS
FIELD TOMATO	LATE BLIGHT (Phytophthora infestans)	Apply TATTOO C Suspension Concentrate Fungicide at a rate of 2.7 L/ha with ground spray equipment in 200- 300 litres of water per hectare, to assure uniform coverage of the crop foliage.	<p>Use a maximum of 3 applications of TATTOO C Suspension Concentrate Fungicide per growing season as a foliar spray in a preventative program for control of late blight in field tomatoes. Begin applications when conditions are favourable for disease, but before infection, and continue on 7-14 day intervals until the threat of disease is over. When applying TATTOO C Suspension Concentrate Fungicide on the longer spray interval (10-14 days), alternate with a fungicide from a different mode of action group between TATTOO C Suspension Concentrate Fungicide applications. Use the 7 day interval when the risk and conditions for disease are high. Thorough spray coverage of all plant material (particularly lower stems) is essential to attain optimum systemic activity.</p> <p>PHI field tomatoes: 5 days</p> <p>Ground application only.</p>

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Bayer CropScience and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Bayer CropScience itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below. Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Bayer CropScience harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

CROP	DISEASE	RATE	RECOMMENDATIONS
<p>Crop Group 9: cucurbits</p> <p>Citron melon, Muskmelon, Water Melon, Summer and Winter Squash, Pumpkin, Cucumber, Chayote (fruit), Chinese waxgourd, Gherkin, Edible Gourd, Momordica ssp.</p>	<p>Downy mildew (<i>Pseudoperonospora cubensis</i>)</p>	<p>1.8 – 2.7 L/ha</p>	<p>Apply TATTOO C Suspension Concentrate Fungicide as a foliar spray in a preventative program. Apply in a spray volume of 300-600 L/ha. Begin applications when conditions are favourable for disease development but before infection occurs. Continue on 7-14 day intervals until the threat of disease is over. Use the high rate and shorter application interval under high disease pressure and when conditions of rapid disease development exist. When applying TATTOO C Suspension Concentrate Fungicide using intervals longer than 7 days, alternate with an application of a contact fungicide between TATTOO C Suspension Concentrate Fungicide applications.</p> <p>Do not apply more than 5 applications of TATTOO C Suspension Concentrate Fungicide per growing season. Do not apply within 2 days of harvest.</p> <p>Ground application only.</p>

SECTION 8: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that TATTOO C[®] Suspension Concentrate Fungicide contains a Group U and a Group M fungicide. Any fungal population may contain individuals naturally resistant to TATTOO C[®] Suspension Concentrate Fungicide and other Group U/M fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed. To delay fungicide/bactericide resistance:

- Where possible, rotate the use of TATTOO C[®] Suspension Concentrate Fungicide or other Group U/M fungicides with different groups that control the same pathogens. Use tank mixtures with fungicide from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Bayer CropScience representatives at 1-800-334-7577 or at www.bayercropscience.ca.

SECTION 9: APPLICATION PRECAUTIONS

- Treatment with any product containing chlorothalonil must be separated by a minimum of 7 days.
- It is a violation of Federal law to use this product in a manner inconsistent with its labelling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- To avoid spray drift, do not apply when winds exceed 16 kph.
- **DO NOT** allow spray mixture to remain in the tank overnight, or for long periods during the day without agitation.

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) medium classification. Boom height must be 60 cm or less above the crop or ground.

Aerial application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16

km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Buffer zones:

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
Field sprayer	Potato, Cucurbits, Field Tomato		2	1	2	1
Aerial	Potato	Fixed wing	55	1	55	15
		Rotary wing	40	1	40	15

- Apply TATTOO C Suspension Concentrate Fungicide only by rotary or fixed-wing aircraft which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.
- Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.
- Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions for Aerial Applications:

- Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.
- Apply only when the potential for drift to areas of human habitation or areas of 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.

Operator Precautions for Aerial Applications:

- Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.
- It is desirable that the pilot has communication capabilities at each treatment site at the time of application.
- The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and safety goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions for Aerial Applications:

- Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-888-238-6847 or obtain technical advice from the distributor or your provincial agricultural representative.

ROTATIONAL CROPS

- Crops on this label may be rotated anytime, following the last application of TATTOO C Suspension Concentrate Fungicide.
- Do not rotate to root and leafy vegetables for 30 days following the last application of TATTOO C Suspension Concentrate Fungicide.
- Do not rotate to winter wheat and all other crops for 120 days following the last application of TATTOO C Suspension Concentrate Fungicide.

SECTION 10: MIXING INSTRUCTIONS

- Add one-half of the required amount of water to the spray or mixing tank and start agitation.
- Add the required quantity of TATTOO C Suspension Concentrate Fungicide to the water and complete filling with water to the required total volume.
- Maintain agitation throughout spraying.

SECTION 11: 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 control product in a way that is inconsistent

with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

CONDITIONS:

The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond the control of Bayer CropScience Inc. it is impossible for Bayer CropScience Inc. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

Tattoo® is a registered trademark of Bayer.

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