

GROUP	<b>1A</b>	INSECTICIDE
-------	-----------	-------------

## PIRIMOR® 50DF INSECTICIDE

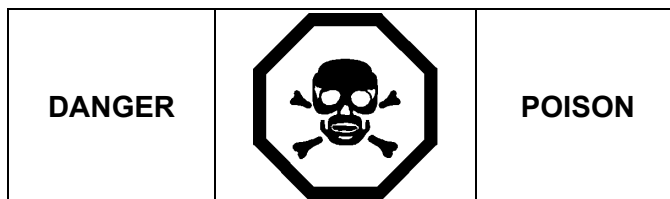
AGRICULTURAL

Aphicide for tobacco, potatoes, peppers, lettuce, asparagus, peas, sweet corn, apples, strawberries (non-bearing), celery and spinach

**GUARANTEE:**

Pirimicarb ..... 50%

**READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**



REGISTRATION NO. **22792**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 kg, 20 kg**

**Syngenta Crop Protection Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3

Label

PIRIMOR 50DF is a fast acting aphicide with local systemic action in plant leaves. PIRIMOR 50DF is recommended for use on tobacco, potatoes, peppers, lettuce, asparagus, peas, sweet corn, apples, strawberries (non-bearing), celery and spinach.

### **NOTICE TO USER**

This control product is to be used only in accordance with the directions on this label. It is an offence under the **Pest Control Products Act** to use a control product under unsafe conditions.

### **NOTICE TO BUYER**

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

### **FIRST AID**

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If symptoms occur, cease spraying, move out of sprayed area and call a doctor.

**If swallowed**, induce vomiting and call a doctor.

**If on skin**, wash immediately.

**If in eyes**, flush immediately with plenty of water.

### **TOXICOLOGICAL INFORMATION**

PIRIMOR (pirimicarb) insecticide is a moderate, reversible cholinesterase inhibitor. Atropine at 1-4 mg by intramuscular injection is antidotal followed by a further 2 mg every 30 min., as necessary. P2S and 2-PAM are not effective.

### **PRECAUTIONS**

#### **KEEP OUT OF REACH OF CHILDREN.**

Avoid breathing dust or spray mist. Avoid contact with skin and eyes. For protection wear gloves, overalls and an eye protector. Wash hands and exposed skin before meals and after work. Change contaminated clothing daily and wash separately from other laundry before re-use. Harmful to livestock. Avoid contamination of food and feed, ponds, lakes and waterways. Store in original container.

**SYMPTOMS OF POISONING ARE:** Blurred vision and/or breathing difficulties.

If this pest control 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 U.S., contact 1-866-375-4648 or [www.cropro.org](http://www.cropro.org).

## STORAGE

Store in a cool, dry, well-ventilated area away from foodstuffs and out of the reach of children and animals.

## SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking, secure leak and place the container into a drum or heavy gauge plastic bag. Contact Syngenta Crop Protection Canada Inc. (see EMERGENCY TELEPHONE NUMBER) for further information.

For spills and leaks; clean up as much of the product as possible with a broom and shovel. If available, use an absorbent such as DUSTBANE to clean the spill area. Shovel the spilled product and spent absorbent in a sealable waste container.

On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material such as clay, kitty litter etc. and shovel into the waste container.

On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements. For more information on the disposal of waste and the clean up of spills, contact the manufacturer or the provincial regulatory agency.

## 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 clean up of spills.

## CONTAINER DISPOSAL

### For recyclable containers

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.

**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING  
CALL 1-800-327-8633 (FASTMED)**

GROUP	<b>1A</b>	INSECTICIDE
-------	-----------	-------------

## PIRIMOR® 50DF INSECTICIDE

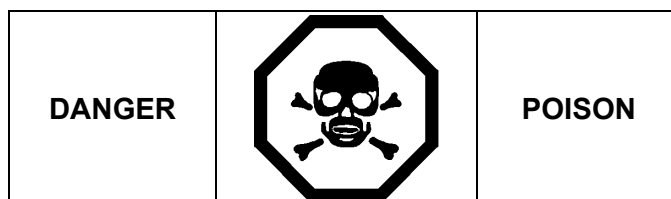
AGRICULTURAL

Aphicide for tobacco, potatoes, peppers, lettuce, asparagus, peas, sweet corn, apples, strawberries (non-bearing), celery and spinach

**GUARANTEE:**

Pirimicarb ..... 50%

**READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**



REGISTRATION NO. **22792**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 kg, 20 kg**

**Syngenta Crop Protection Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3

Pamphlet

PIRIMOR 50DF is a fast acting aphicide with local systemic action in plant leaves. PIRIMOR 50DF is recommended for use on tobacco, potatoes, peppers, lettuce, asparagus, peas, sweet corn, apples, strawberries (non-bearing), celery and spinach.

### **NOTICE TO USER**

This control product is to be used only in accordance with the directions on this label. It is an offence under the **Pest Control Products Act** to use a control product under unsafe conditions.

### **NOTICE TO BUYER**

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

### **FIRST AID**

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If symptoms occur, cease spraying, move out of sprayed area and call a doctor.

**If swallowed**, induce vomiting and call a doctor.

**If on skin**, wash immediately.

**If in eyes**, flush immediately with plenty of water.

### **TOXICOLOGICAL INFORMATION**

PIRIMOR (pirimicarb) insecticide is a moderate, reversible cholinesterase inhibitor. Atropine at 1-4 mg by intramuscular injection is antidotal followed by a further 2 mg every 30 min., as necessary. P2S and 2-PAM are not effective.

### **PRECAUTIONS**

#### **KEEP OUT OF REACH OF CHILDREN.**

Avoid breathing dust or spray mist. Avoid contact with skin and eyes. For protection wear gloves, overalls and an eye protector. Wash hands and exposed skin before meals and after work. Change contaminated clothing daily and wash separately from other laundry before re-use. Harmful to livestock. Avoid contamination of food and feed, ponds, lakes and waterways. Store in original container.

**SYMPTOMS OF POISONING ARE:** Blurred vision and/or breathing difficulties.

If this pest control 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 U.S., contact 1-866-375-4648 or [www.cropro.org](http://www.cropro.org).

## **STORAGE**

Store in a cool, dry, well-ventilated area away from foodstuffs and out of the reach of children and animals.

## **SPILL CLEANUP**

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking, secure leak and place the container into a drum or heavy gauge plastic bag. Contact Syngenta Crop Protection Canada Inc. (see EMERGENCY TELEPHONE NUMBER) for further information.

For spills and leaks; clean up as much of the product as possible with a broom and shovel. If available, use an absorbent such as DUSTBANE to clean the spill area. Shovel the spilled product and spent absorbent in a sealable waste container.

On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material such as clay, kitty litter etc. and shovel into the waste container.

On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements. For more information on the disposal of waste and the clean up of spills, contact the manufacturer or the provincial regulatory agency.

## **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 clean up of spills.

## **CONTAINER DISPOSAL**

### **For recyclable containers**

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.

**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING  
CALL 1-800-327-8633 (FASTMED)**

**AERIAL APPLICATION USE PRECAUTIONS**

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 *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift; therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as a shelter-belt) or aquatic habitat.

**AERIAL APPLICATION OPERATOR PRECAUTIONS**

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 have 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 goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the label recommendations on the ground application section. 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.

Apply only by fixed-wing or rotary aircraft equipment 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 a 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.

1. Do not spray when wind velocities are greater than 15 km/hour.
2. Do not use nozzle pressure above 300 kPa.
3. Do not spray when wind is blowing towards nearby desirable trees or plants.

**DIRECTIONS**

<b>CROPS</b>	<b>PESTS</b>	<b>RATE</b>	<b>APPLICATION METHOD</b>	<b>APPLICATION TIMING</b>	<b>NOTES</b>
POTATOES	Potato Aphids (green peach aphid, buckthorn aphid, potato aphid)	425 to 550 g in 500 to 1000 L of water per hectare	Ground Application	Do not apply less than 7 days before harvest.	Use the higher rate when aphid populations are high. Spray to ensure thorough coverage of all foliage. Repeat applications as required to maintain control.
		20 to 45 L of water per hectare	Aerial Application		
PEPPERS	Green Peach Aphid	275 to 550 g in 500 to 1000 L of water per hectare	Ground Application	Do not apply less than 3 days before harvest.	Use the higher rate when aphid populations are high. Spray to ensure thorough coverage of all foliage. Repeat application as required to maintain control.
TOBACCO	Green peach aphid	275 to 550 g in 450 to 500 L of water per hectare	Ground Application	Do not apply PIRIMOR 50DF more than twice per season.  Do not apply within 14 days of harvest.	Use higher rates when aphid populations are high. Spray for thorough coverage of the upper part of the plant where aphids are normally found. Use the same boom nozzle arrangements as recommended for tobacco hornworm or tobacco sucker control. PIRIMOR 50DF is compatible with THURICIDE <sup>®</sup> HPC, DIPEL <sup>®</sup> , SEVIN <sup>®</sup> and recommended tobacco sucker control agents
		425 to 550 g/ha in a minimum of 20 L of water per hectare	Aerial Application	Do not apply PIRIMOR 50DF more than twice per season.  Do not apply within 14 days of harvest.	Use the higher rate when aphid populations are high. Adequate coverage is difficult in areas close to obstacles such as trees, buildings etc. and ground application should be considered for such areas. PIRIMOR 50DF is compatible with THURICIDE <sup>®</sup> HPC, DIPEL <sup>®</sup> , SEVIN <sup>®</sup> and recommended tobacco sucker control agents



CROPS	PESTS	RATE	APPLICATION METHOD	APPLICATION TIMING	NOTES
ASPARAGUS	Asparagus Aphid	1 kg in 675 L of water per hectare	Ground Application	For immature asparagus, begin first application mid-May. For mature asparagus begin application July 1 after crop has been harvested.	Apply by boom or field sprayer at three to four week intervals as needed until defoliation in October.
LETTUCE	Lettuce Aphid Green Peach Aphid Potato Aphid Foxglove Aphid	300 to 500 g / ha in 500-1000 L water / ha	Ground Application	Apply as a foliar spray when aphids are present. Do not apply within 7 days of harvest.	Repeat as needed.
PEAS	Pea Aphid	150 to 275 g / ha with at least 17 L of water / ha	Aerial Application	Do not apply within 6 days of harvest.	Use a higher rate when the aphid population is high and/or when very cool weather is prevailing.
SWEET CORN	Aphids	550g in 450 L of water / ha	Ground Application	Do not apply within 3 days of harvest.	Make one application only.
		550 g in 20 to 45 L of water / ha	Aerial Application		
APPLE: (Eastern Canada only)	Aphids (apple aphid, rosy apple aphid, woolly aphid, apple grain aphid)	850 to 1700 g/ha	Ground Application		Apply in sufficient water for thorough coverage. Use the higher rate for heavy aphid populations.
	White apple leafhopper	1700 g/ha for mature standard trees		Follow provincial spray calendar recommendations for proper timing of spray applications. Do not apply less than 35 days before harvest.	Do not make more than two applications per season allowing at least 35 days between sprays.
Strawberries (Non-Bearing)	Aphids	275 g per hectare	Ground Application	Apply in sufficient water for thorough coverage beginning 3 weeks after transplanting when aphid populations warrant.	Use a boom sprayer. Do not make more than 4 applications per year.

**NOTE TO BUYER/USER:**

The DIRECTIONS FOR USE for this product for the use described below were developed by persons other than Syngenta Crop Protection Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Crop Protection Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop listed below.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Syngenta Crop Protection Canada, Inc. harmless, from any claims based on efficacy and/or phytotoxicity in connection with the use described below.

**DIRECTIONS FOR USE IN PEACHES:**

PESTS	RATE	APPLICATION METHOD	APPLICATION TIMING	NOTES
Green Peach Aphid	560 g/ha	Ground application only by air blast sprayer.	May be applied up to husk fall.  Do not apply within 60 days of harvest.	Apply in sufficient water for thorough coverage. One application per crop season. NOTE: DO NOT REENTER TREATED AREA WITHIN 24 HOURS

**DIRECTIONS FOR USE IN CELERY IN ONTARIO AND QUEBEC ONLY:**

PESTS	RATE	APPLICATION METHOD	APPLICATION TIMING	NOTES
Green Peach Aphid Potato aphid Foxglove aphid Lettuce aphid	300-500 g/ha in 500 to 1000L water as a foliar spray	Ground Application	Apply when aphid numbers warrant.  Do not apply within 10 days of harvest.	Do not apply more than 4 applications per crop cycle per season. Apply at 7 day intervals. Use only in Ontario and Quebec NOTE: DO NOT REENTER TREATED AREA WITHIN 24 HOURS

**DIRECTIONS FOR USE IN SPINACH IN SOUTHERN ONTARIO ONLY:**

PESTS	RATE	APPLICATION METHOD	APPLICATION TIMING	NOTES
Green Peach Aphid	500 g/ha in 500 to 1000 L water/ha as a foliar spray	Ground application	Apply when aphid numbers warrant.  Do not apply within 7 days of harvest.	Do not apply more than 3 applications per crop cycle per season.  Apply at 7 day intervals. Use only in Southern Ontario. NOTE: DO NOT REENTER TREATED AREA WITHIN 24 HOURS

## Resistance-Management Recommendations

For resistance management, please note that Pirimor 50DF Insecticide contains a Group 1A insecticide. Any insect population may contain individuals naturally resistant to Pirimor 50DF Insecticide and other Group 1A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same field. 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 Pirimor 50DF Insecticide or other Group 1A insecticides with different groups that control the same pests in a field.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting, 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 company representatives at 1-800-459-2422 (in Eastern Canada) or 1-800-665-9250 (in Western Canada) or at [www.syngenta.ca](http://www.syngenta.ca).

PIRIMOR is a registered trademark of Syngenta Crop Protection Canada, Inc.  
DIPEL is a Reg. T.M. of Abbott Laboratories Limited  
SEVIN is a Reg. T.M. of Rhone\_Poulenc Agrochimie, France  
THURICIDE is a Reg. T.M. of Sandoz Agro Canada, Inc.  
Contents Manufactured in U.K.

GROUP

1A

INSECTICIDE

**PIRIMOR® 50DF INSECTICIDE**

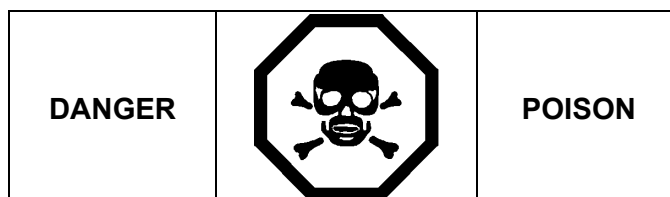
AGRICULTURAL

Aphicide for tobacco, potatoes, peppers, lettuce, asparagus, peas, sweet corn, apples, strawberries (non-bearing), celery and spinach

**GUARANTEE:**

Pirimicarb ..... 50%

**READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**



REGISTRATION NO. **22792**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **20 x 1 kg****PRECAUTIONS FOR HANDLING DAMAGED CARTONS**

1. Prevent product inhalation or contact with eyes or skin. Use rubber gloves, boots, protection glasses and a NIOSH approved antipesticide respirator.
2. Move the damaged carton so as to minimize any additional leaking. Cover the spilled product and the surroundings of the damaged carton with a heavyweight absorbent product and a plastic sheet to prevent the generation of dust that could be carried away by the wind.
3. EMERGENCY TELEPHONE NUMBER: All hours, 1-800-327-8633 (FASTMED), ONLY for health and environmental information.

**Syngenta Crop Protection Canada Inc.**

140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3

\*\*\*\*\*

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.