

16-NOV-2005

NET CONTENTS 1.5 kg

<b>GROUP</b>	<b>1 A</b>	<b>INSECTICIDE</b>
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**CARZOL SP  
MITICIDE-INSECTICIDE SOLUBLE POWDER**

**RESTRICTED**



**DANGER  
POISON**

**GUARANTEE: Formetanate hydrochloride 92%**

**REGISTRATION NO.: 11144  
PEST CONTROL PRODUCTS ACT**

**READ THE LABEL BEFORE USING**

**Gowan Company  
P. O Box 5569  
Yuma, AZ USA 85366-5569**

**Telephone: (928) 783-8844**

**PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN:** This product is poisonous if swallowed. Do not get in eyes, on skin, or on clothing. Do not breath dust or spray mist. Do not contaminate food and feed. Wear protective clothing, goggles and chemical-resistant gloves when handling this material. Wash before eating, smoking or drinking. Wash contaminated clothing before reuse. If exposure by inhalation of dust or spray mist is likely to be encountered, wear an appropriate respirator mask. This product is poisonous to birds and other wildlife. Do not contaminate ponds, lakes or streams by cleaning of equipment, or disposal of wastes. Do not apply when the prevailing wind direction will cause drift from treated areas into lakes, ponds, and other waterways. Do not apply to areas with a potential for runoff to aquatic systems. Do not apply to coarse textured soils, to prevent leaching to groundwater. Do not apply when rain is forecast. This product is poisonous to bees; avoid its use where bees are active. Do not allow livestock to graze in areas treated with CARZOL SP.

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 the U.S., contact 1-868-375-4648 or [www.cropro.org](http://www.cropro.org).

**FIRST AID:**

**If swallowed:** Induce vomiting by touching back of throat with a finger or a blunt object. Repeat until vomit fluid is clear. Do not induce vomiting if the person is unconscious. Rush patient to hospital, taking this labeled container with you or contact a poison control center IMMEDIATELY.

**If on skin:** Wash immediately with soap and warm water.

**If in eyes:** Flush with plenty of water for at least 15 minutes, and obtain medical attention, or contact a poison control center IMMEDIATELY.

**Inhalation:** If inhaled, remove patient from the site of exposure.

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

**TOXICOLOGICAL INFORMATION:** CARZOL SP is a carbamate which acts as a cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM.

**DISPOSAL:** 1. Do not reuse container. 2. Make the empty container unsuitable for future use. 3. Dispose of the container in accordance with provincial requirements. 4. 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 a spill, and for clean-up of spills.

**STORAGE:** Avoid exposure of CARZOL SP to excess moisture or physical damage during handling or storage.

**IN CASE OF FIRE, SPILLS, LEAKY OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TELEPHONE TO 1-888-478-0798**

**RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that Carzol SP contains a Group 1A acaricide/insecticide. Any insect population may contain individuals naturally resistant to Carzol SP and other Group 1A acaricides/insecticides. The resistant individuals may dominate the insect population if this group of acaricides/insecticides are 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 Carzol SP or other Group 1A acaricides/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 Gowan Company at (800) 783-8844 or at [www.gowanco.com](http://www.gowanco.com).

**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.

#### **NOTICE TO USER**

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

#### **NATURE OF RESTRICTION**

This product is to be stored and displayed apart from food or feed.

#### **RESTRICTED USES**

**DIRECTIONS FOR USE:** Mixing:

CARZOL SP is completely soluble in water. It is not stable in alkaline water. Prepare the spray mixture just before application and spray entire contents of tank within 4 hours. CARZOL SP is compatible with most commonly used insecticides and fungicides except lime and Bordeaux mixture.

**CROP:** Apple, Pear, Peach, Nectarine

**INSECT:** European Red Mite, Two-Spotted Spider Mite, White Apple Leafhopper (**apples only**)

**METHOD:** Use sufficient water for good coverage. Direct nozzles of air blast sprayer into the targeted tree orchard when spraying the border rows. DO NOT apply when the prevailing wind direction will cause drift from treated areas into lakes, ponds and other waterways. When using concentrate spray, apply same quantity of CARZOL SP per hectare as for dilute spray.

Apples, Pears: Apply when mites or insects are first noticed and repeat as needed. Do not apply later than 1 day before harvest on apple and pear. To avoid excessive residue, do not apply more than 4.48 kg per hectare after Calyx.

Peaches, Nectarines: Apply when a threshold of 5-10 active mites per leaf is reached (mid-July to early August). The majority of the mite population should be in the young nymphal stage. Do not apply later than 21 days before harvest. Do not apply more than once per year.

**RATE:** 250-500 g per 100 litres of dilute spray (4000-5000L of water per ha) or AT LEAST 1.1 kg per hectare.

Do not allow livestock to graze in treated orchard.

#### **AERIAL APPLICATION**

**DIRECTIONS FOR USE:** 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 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:**

Apply on 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.

#### **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 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 goggles or face shield during mixing/loading, clean up 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

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at (928)783-8844 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the recommended rate in a minimum spray volume of 4000 litres per hectare.

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