


# ZOLONE FLO

PHOSALONE INSECTICIDE



<b>Crops:</b>	Apple, pear, peach, cherry, plum, prune and grape
<b>Guarantee:</b>	Phosalone 500 g/L
<b>PCPA Registration No.:</b>	17983
<b>Agricultural:</b>	Danger  Poison This product contains 0.01% of Rhodamine B which has been determined to be of toxicological concern.

### Directions for Use

SHAKE WELL BEFORE USING.

#### GENERAL INFORMATION:

ZOLONE FLO, containing phosalone insecticide, is recommended for the control of a wide range of insect pests in deciduous fruit orchards. Follow provincial recommendations for local variations of pest incidence and timing of sprays. Up to three applications of ZOLONE FLO may be made during the season. Use an efficient spray machine which will give thorough coverage of the trees.

### Precautions

KEEP OUT OF REACH OF CHILDREN.

ZOLONE FLO contains an organo-phosphorus insecticide which may be harmful if swallowed or absorbed through the skin. Wear long-sleeve shirt, long pants, NIOSH-approved respiratory protection and chemical resistant gloves during mixing, loading, application, cleanup and repair activities. DO NOT re-enter treated areas within 24 hours. Wash with soap and water after use and before eating or smoking. Wash contaminated clothing thoroughly after use. Avoid working in spray mist. Do not contaminate water supplies (rivers, ponds, etc.). Avoid contamination of food or feed. ZOLONE FLO is classed as moderately toxic to bees and may be used around them if dosage, timing and method of application are correct. It should not be applied directly on bees whether in the field or at the colonies.

### Symptoms of Poisoning

Headache, weakness, tightness in the chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, abdominal cramps.

### First Aid

In case of poisoning, get medical attention immediately and keep patient at rest or contact a poison control centre.

**If on skin,** remove contaminated clothing and wash skin thoroughly with soap and cold water.

**If in eyes,** flush with water for 5 - 10 minutes and obtain medical attention.

**If swallowed,** give the patient one or two glasses of water, and cause vomiting by giving one dose (15 mL) of syrup of ipecac. If the patient does not vomit within 20 minutes, give a second dose. If syrup of ipecac is not available, give the patient one or two glasses of water and cause vomiting by inserting a finger down the throat. Repeat with water until vomit fluid is clear. **DO NOT TRY TO CAUSE VOMITING IF THE PATIENT IS UNCONSCIOUS OR IN A CONVULSIVE STATE.**

### Toxicological Information

This product is a cholinesterase inhibitor; atropine is antidotal.

### Storage

Store product in a cool, dry place; do not freeze.  
DO NOT STORE AT TEMPERATURES ABOVE 35°C (such as a hot, closed shed in the summer).

### Disposal

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.

### Notice to User

This 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 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.

### Compatibility

ZOLONE FLO may be mixed in the spray tank with most horticultural products in common use; however, it must not be mixed with strongly alkaline materials such as Bordeaux mixture, lime sulphur, hydrated lime, etc. Apply all spray as soon as possible after mixing.

CROPS/ INSECTS	RATES AND TIMING	RATE
<b>APPLES &amp; PEARS</b>		
Codling moth	Apply 10 - 14 days after petal fall. Second brood infestations may require an additional spray.	600 mL/1000 L or 2.0 L/ha
Green apple aphid Woolly aphid Leafhoppers	When applied for the control of codling moth, green apple aphid, woolly aphid and leafhoppers will also be controlled.	600 mL/1000 L or 2.0 L/ha
Rosy aphid	Applications of ZOLONE FLO made pre-bloom and again in a post-bloom cover spray will control this pest.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha
Red banded leaf roller Plum curculio	Apply at calyx and first cover to control early brood. Later hatches may require an additional application 10 - 14 days after petal fall. Use 900 mL/1000 L for severe infestations.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha
Apple maggot	The fruit must be well protected from early July to mid-August with up to a maximum of 3 sprays of ZOLONE FLO per season.	900 mL - 1.25 L/1000 L or at least 3.0 L/ha
Spring feeding caterpillars	Where troublesome, apply 1 spray of ZOLONE FLO before bloom and again at calyx.	600 mL/1000 L or 2.0 L/ha
Winter moth	Apply at pink bud and again at calyx stages.	600 mL/1000 L or 2.0 L/ha
Mites	Active stages of European red mite, two-spotted spider mite and apple rust mite are suppressed by applications of ZOLONE FLO from calyx onwards. Apply up to a maximum of 3 applications of ZOLONE FLO per season. (Strains of mites resistant to organo-phosphates will not be controlled.) For heavy infestations, use a specific miticide.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha
Pear psylla	In Eastern Canada, ZOLONE FLO applied at calyx and in subsequent cover sprays up to a maximum of 3 applications per season will control the active stages of psylla. (Strains of psylla resistant to organo-phosphates will not be controlled.) In British Columbia where this pest is more difficult to control, consult the provincial spray calendars.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha

ZOLONE FLO MAY BE APPLIED ON APPLES AND PEARS UP TO 30 DAYS BEFORE HARVEST.

<b>PEACH</b>		
Peach twig borer	Apply at pink bud and petal fall stages and in the regular summer cover sprays up to a maximum of 3 applications per season.	750 mL/1000 L or 2.75 L/ha
Oriental fruit moth	Apply ZOLONE FLO at shuck-split and shuck-fall up to 30 days before harvest.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha
Plum curculio	Apply ZOLONE FLO at shuck-split and again at shuck-fall.	600 mL/1000 L or 2.0 L/ha
European red mite	Active stages are suppressed by applications of ZOLONE FLO. (Strains of mites resistant to organo-phosphates will not be controlled.) For heavy infestations, use a specific miticide.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha

ZOLONE FLO MAY BE APPLIED ON PEACHES UP TO 30 DAYS BEFORE HARVEST.

CROPS/ INSECTS	RATES AND TIMING	RATE
<b>CHERRY</b>		
Cherry fruit fly	Apply ZOLONE FLO at second cover and again at third cover on both sweet and sour cherries.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha
Plum curculio	Apply at shuck and again in first and second cover sprays.	600 mL/1000 L or 2.0 L/ha
Black cherry aphid	Late infestations of this pest will be controlled by an application of ZOLONE FLO. Apply up to a maximum of 3 applications of ZOLONE FLO per season.	600 mL/1000 L or 2.0 L/ha

ZOLONE FLO MAY BE APPLIED ON CHERRIES UP TO 14 DAYS BEFORE HARVEST.

<b>PLUMS &amp; PRUNES</b>		
Plum curculio	Apply ZOLONE FLO at shuck and at first cover.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha
Aphids Leafhoppers	Aphids and leafhoppers will be controlled by applications of ZOLONE FLO. Apply a maximum of 3 applications of ZOLONE FLO per season.	600 mL/1000 L or 2.0 L/ha
Apple maggot	Two to three applications of ZOLONE FLO at 10-day intervals during July and early August will control apple maggot.	900 mL - 1.25 L/1000 L or at least 3.0 L/ha
European red mite	Active stages of European red mite are suppressed by applications of ZOLONE FLO. Apply up to a maximum of 3 applications of ZOLONE FLO per season. For heavy infestations, use a specific miticide.	600 - 900 mL/1000 L or 2.0 - 3.0 L/ha

ZOLONE FLO MAY BE APPLIED ON PLUMS UP TO 30 DAYS BEFORE HARVEST.

<b>GRAPES</b>		
Grape berry moth	ZOLONE FLO can be applied at pre-bloom, post-bloom and first cover to control first-generation grape berry moth. Local recommendations should be followed for the need and timing of second brood sprays. Use 1.2 L/1000 L in vineyards where this pest is a regular problem. Apply up to a maximum of 3 applications of ZOLONE FLO per season.	900 mL - 1.2 L/1000 L or at least 2.0 L/ha
Leafhoppers	Apply ZOLONE FLO when post-bloom is over (this coincides with the second grape berry moth spray). Apply up to a maximum of 3 applications of ZOLONE FLO per season.	600 mL/1000 L or 2.0 L/ha

ZOLONE FLO MAY BE APPLIED ON GRAPES UP TO 21 DAYS BEFORE HARVEST.

**WARNING:** Under slow drying conditions or temperatures above 24°C, spray material or combinations may cause some degree of injury, especially to the variety Foch.

**IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY RESPONSE NUMBER  
1-800-334-7577 (24 HOURS A DAY)**

For more information contact:  
1-888-AVENTIS  
(1-888-283-6847)

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