

# Apollo<sup>®</sup> SC

## OVICIDE/MITICIDE

A Suspension Concentrate (SC) Formulation for Mite Control on Apples, Pears, Apricots, Cherries, Grapes (except New York), Peaches, Nectarines, Persimmons, Almonds, Walnuts, Christmas Trees (except California), and Christmas Tree Plantations (except California)

**ACTIVE INGREDIENT:**                      % BY WT.

**Clofentezine:** 3,6-bis  
(2-chlorophenyl)-1,2,4,5-  
tetrazine\* . . . . . 42.0%

**OTHER INGREDIENTS:** . . . . . 58.0%

**TOTAL:** . . . . . 100.0%

\*Contains 1 pound of active ingredient per quart.

EPA Reg. No. 66222-47

EPA Est. No. 37429-GA-001<sup>BT</sup>

37429-GA-002<sup>BO</sup>

Letter(s) in lot number correspond(s)  
to superscript in EPA Est. No.



## KEEP OUT OF REACH OF CHILDREN CAUTION

For additional First Aid, precautionary, handling and use statements, see inside of this booklet.

How can we help? 1-866-406-6262

# ADAMA

Net Contents: 1 Quart

13969  
071014-1.0

## FIRST AID

<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>● Take off contaminated clothing.</li><li>● Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>● Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>● Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>● Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li><li>● Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>● Call a poison control center or doctor immediately for treatment advice.</li><li>● Have person sip a glass of water if able to swallow.</li><li>● Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>● Do not give anything by mouth to an unconscious person.</li></ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"><li>● Move person to fresh air.</li><li>● If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>● Call a poison control center or doctor for further treatment advice.</li></ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes mild eye irritation. Avoid contact with eyes, skin, or clothing. Harmful if swallowed or absorbed through skin.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

## **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, poly-vinyl chloride (PVC), or Viton®
- Shoes plus socks

Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **ENGINEERING CONTROLS STATEMENT**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

## **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply within 100 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish farm ponds. Do not apply when weather conditions favor drift from treated area. Do not allow spray to drift off of crop, especially when spraying outer rows. Always direct spray *into* the orchard. Do not contaminate water when disposing of equipment washwaters or rinsate.

**IMPORTANT** – Read the entire **DIRECTIONS FOR USE** and **DISCLAIMER OF WARRANTIES** before using this product.

# **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, poly-vinyl chloride (PVC), or Viton
- Shoes plus socks

### **USE RESTRICTIONS**

DO NOT MAKE MORE THAN 1 APPLICATION OF APOLLO SC PER SEASON.

Do not graze livestock in treated areas or harvest cover crop for livestock feed.

Do not apply this product through any type of irrigation system. Do not apply by air.

### **USE INFORMATION**

Apollo® SC is a specific miticide, which acts as an ovicide. Apollo SC is not disruptive to beneficial insects and mites. It has good residual activity on European red mites, McDaniel mites, Pacific spider mites, two-spotted spider mites, Eriophyes and Yellow spider mites when applied according to label directions.

**For Use on Apples, Pears, Apricots, Cherries, Grapes (except New York), Peaches, Nectarines, Persimmons, Almonds, Walnuts, Christmas Trees (except California), and Christmas Tree Plantations (except California).**

Because Apollo SC acts primarily against the egg, apply Apollo SC at the first sign of mite activity. On apples, delayed dormant or early-season applications of Apollo SC may not effectively control two-spotted spider mites or McDaniel mites which invade trees later in the summer. If the mite population is approaching damaging levels on the target crops, including European red mites on apples, or if pear rust mite is present, combine Apollo SC Ovicide/Miticide with an appropriate adulticide.

### USE INFORMATION

#### TARGET SPECIES

#### COMMON NAME

#### SCIENTIFIC NAME

European red mite

*Panonychus ulmi*

McDaniel spider mite

*Tetranychus mcdanieli*

Pacific spider mite

*Tetranychus pacificus*

Two-spotted spider mite

*Tetranychus urticae*

Yellow spider mite

*Eotetranychus carpini borealis*

#### RATE & TIMING OF APPLICATION

Crop	Rate/Acre	Timing	PHI*
Apples	4-8 oz.	Delayed dormant through first sign of mites	45 days
Pears, Grapes	4-8 oz.	First sign of mites	21 days
Apricots, Cherries	2-8 oz.**	First sign of mites	21 days
Peaches, Nectarines	2-8 oz.**	First sign of mites	21 days 10 days (CA only)
Persimmons	2-8 oz.**	First sign of mites	140 days
Almonds	4-8 oz.**	First sign of mites	30 days 14 days (CA only)
Walnuts	4-8 oz.**	First sign of mites	30 days

\* PHI = Pre-Harvest Interval, the **latest** timing for an application prior to harvest.

\*\* Applications with rates below 4 ounces of Apollo SC per acre are recommended **only** in association with established IPM programs and **only** when adequate beneficial insects/mites are prevalent.

Factors which warrant higher rates (4 to 8 ounces) of Apollo SC per acre include:

1. For control of Pacific spider mites.
2. For control of McDaniel spider mites.
3. Earliest seasonal timings for blocks with high overwintering European red mite egg populations.
4. When mite predator populations are low.
5. To ensure adequate coverage of full-size standard trees and/or trees with heavy leaf densities.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

### **APPLICATION METHOD**

Apply Apollo SC by ground using either dilute or concentrate spray equipment. **Do not apply by air.**

#### **Apples and Pears**

50 to 400 gallons per acre: Apply 4 to 8 ounces of Apollo SC per acre. Use sufficient volume of water to obtain complete coverage, but not less than 50 gallons per acre.

For applications above 400 gallons per acre, use 1 to 2 ounces of Apollo SC per 100 gallons of spray. Do not apply less than 4 ounces of Apollo SC per acre.

#### **Grapes (except New York)**

At least 50 gallons per acre: Apply 4 to 8 ounces of Apollo SC per acre.

#### **Apricots, Cherries, Persimmons, Peaches, and Nectarines**

50 to 400 gallons per acre: Apply 2 to 8 ounces of Apollo SC per acre.

#### **Almonds and Walnuts**

50 to 400 gallons per acre: Apply 4 to 8 ounces of Apollo SC per acre. Use at least 6 ounces of Apollo SC south of California Highway No. 152.

A tank mix of Apollo SC with an adulticide may be warranted when adult mites are present. Do not use the tank mix under conditions where the adulticide alone is not recommended. Before use, read the adulticide label for additional information and precautions.

**Christmas Trees, Christmas Tree Plantations (except California)**  
50 to 400 gallons per acre: Apply 4 to 8 ounces of Apollo SC per acre for control of Pacific spider mite, Spruce spider mite, and Two-spotted spider mite. Time applications for periods of peak egg-laying or immature mite activity. Do not make more than one application per year.

### MANAGING MITE RESISTANCE

Repeated use of miticides with a similar mode of action may lead to buildup of resistant strains of mites. For good resistance management practices, follow the label directions and only apply Apollo SC Ovicide/Miticide once per season. If additional miticide applications are needed, use a miticide with a different mode of action.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container, tightly closed, in a safe place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL:

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

## LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES** and **LIMITATIONS OF LIABILITY**.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

Apollo® is a registered trademark of Irvita Plant Protection N.V.

Viton® is a registered trademark of DuPont Company.

Manufactured for:

Makhteshim Agan of North America, Inc.

d/b/a ADAMA

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