APOLLO

MANA TREE FRUIT INSECT CONTROL

INSECTICIDE

# APOLLO®

## SC Ovicidal Miticide

### A small step in mite control delivers a giant leap in IPM – exclusively from MANA


The first step for mite control in strawberries and tree fruits. Apollo breaks the mite cycle by inhibiting egg development and providing 60-80 days of control (depending on crop and rate used), potentially reducing total miticide costs over the long term. A perfect fit for IPM programs. The pH of spray solution is critical for optimum control (see page 2).

**Return on investment:** In strawberries, raspberries and tree fruits crops, mite control is crucial to prevent damage to fruits. Apollo provides an economical, effective and flexible program to control mites.

**Optimum mite control:** Mites cause damage over time, but there are times during the season when trees are more vulnerable to mite damage. Early populations, before bud differentiation, can do more damage than the same number of mites at midseason. Apply Apollo to over-wintering and summer eggs to break the mite cycle before they develop into a problem, for better quality and higher yielding fruit crops.

**Mode of action:** Apollo is a specific miticide that acts primarily as an ovicide, but also has an effect on young motile stages. Apollo also controls the nymph stage. Adult females that contact Apollo lay infertile eggs.

**Long-lasting control:** Make one application per season from pre-bloom to midseason in fruit tree crops. Duration of residual activity on target mites, especially when applied between delayed dormant and first cover, depends on age structure of treated mite populations, species of mite and mite predator levels, and may be as long as 85 days.

**Tank-mixable for convenience:** Apollo is compatible with most fungicides and insecticides. Consult the tank-mix partner labels for complete instructions.

**Integral to IPM:** Use Apollo as the primary miticide in an IPM program. It is highly selective on target mites, with no effect on predacious mites, bees and other beneficial insects.

***Key insects:***

- European red mites
- Two-spotted spider mites
- McDaniel spider mites

MANA CANADA Crop Protection

**Fair Price. Brand Results.**

# Application and Use Guidelines:

**Crop staging:** Apollo SC works best applied to eggs or young motile stages. It is not effective against adults.

**Apples** – Anytime from delayed dormant through first cover. Best results in early season will be obtained if treatments are made at petal fall before mites hatch. Do not apply after first cover (provided first cover is not more than 14 days after petal fall).

**Peaches and nectarines** – Early season (after delayed dormant) through to 14 days after petal fall. Apply at first sign of mite activity when mite populations are predominantly in the egg stage with few young motiles present.

**Pears** – Early season (after delayed dormant) through to summer. Apply at first sign of mite activity when mite populations are pre-dominantly in the egg stage with few motiles (less than 3 per leaf). Do not apply within 21 days of harvest.

**Raspberries and strawberries** – Apply at first sign of mite activity.

**Outdoor deciduous nursery stock** – Apply at first sign of mite activity or egg laying.

**Convenient rates:** One 473 ml bottle at the 120 ml per acre rate covers approximately four acres.

**Apples and pears** – 120-240 ml per acre (300-600 ml per ha).

**Peaches and nectarines** – 120 ml per acre (300 ml per ha).

**Raspberries and strawberries** – 200 ml per acre (500 ml per ha) in 500-1000 L water.

**Outdoor deciduous nursery stock** – 32 ml per acre (80ml per ha) in a 1000 L water dilution. Target spray into the nursery row.


**Mixing instructions:** Use sufficient volume of water to obtain complete coverage but not less than 190 litres per acre (475 L per ha). In high-dilution spray (over 1538 L per acre of water) use no less than 75 ml per 950 L of spray. Do not use less than 120 ml per acre in concentrated sprays.

**Beat the weather:** Apollo is rainfast once dry on the crop. Apply with good coverage and good drying conditions for optimum benefit. The weather stick-ability provides extended control.

**Use low pH water solution:** New research by MANA shows that the pH level of the spray water can affect Apollo's efficacy. A pH level of 7 or higher can reduce mite control. Based on these findings, MANA recommends maintaining an optimum pH of 5.5 to 6.5 in the spray tank. Various buffering agents and acidifier, available at your local retailer, can be added to your spray tank to adjust the pH level.

**MANA makes sense for growers, for channel partners, for agriculture. Headquartered in Calgary, Alberta, MANA Canada currently offers nearly 20 branded insecticides, fungicides and herbicides from a portfolio of more than 16 strategic active ingredients – and our product portfolio continues to grow. As the North American arm of the world's largest off-patent manufacturer and seventh largest agrochemical company, MANA provides best-in-class formulations, regulatory capabilities and field research.**

**MANA is the right crop protection partner because we offer a consistent supply of superior formulations sold at fair prices. Our proven products are efficiently manufactured to the highest standards and value-priced to optimize your farm's profitability potential. Control, consistency and cost are the MANA advantages. For more information, contact your MANA representative to discuss your local crop protection needs.**

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