

Circadian Sunrise

Horticultural Spray Oil

Insecticide • Fungicide • Miticide



CAUTION: KEEP OUT OF REACH OF CHILDREN

A FUNGICIDE/INSECTICIDE/MITICIDE FOR USE IN CONTROLLING FOLIAR DISEASES, INSECTS AND MITES ON BUT NOT LIMITED TO: ORNAMENTAL PLANTS, ORCHARD CROPS, BERRIES, FRUIT TREES, HOPS, VEGETABLES, HERBS, MEDICINAL PLANTS, CEREALS, PSEUDOCEREALS, CONIFERS, GRASSES, ALFALFA AND FORBS, AT INDOOR/OUTDOOR LOCATIONS INCLUDING: FIELD GROWN FOOD AND FEED, GREENHOUSES, NURSERIES, SHADEHOUSES, GROWTH CHAMBERS, GROW ROOMS, INTERIORSAPES, FORESTS, PASTURES, RANGE LAND, TURF, RIGHT OF WAYS, AND LANDSCAPES. SAFE FOR USE AROUND SCHOOLS WHEN USED AS DIRECTED.

ACTIVE INGREDIENTS: Corn Oil	17%
Peppermint Oil	10%
INERT INGREDIENTS: Water, soap (potassium salt of fatty acid), potassium bicarbonate, potassium oleate, gum Arabic, potassium stearate.	73%

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

Avoid contact with eyes, skin and clothing. May upset stomach if swallowed. Avoid breathing of spray mists or vapors. Avoid contamination of feed and foodstuffs.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Do not induce vomiting. Drink a glass of water and see a physician if experiencing gastrointestinal discomfort.

If on skin: Wash with soap and water.

If in eyes: Flush with water.

If inhaled: Move to fresh air.

PERSONAL PROTECTIVE EQUIPMENT

APPLICATORS AND OTHER HANDLERS MUST WEAR:

•Protective eyewear •Chemical resistant gloves •Long-sleeved shirt and long pants •Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water.

USER SAFETY RECOMMENDATIONS: Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

For terrestrial uses only. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

STORAGE AND DISPOSAL

1. Prohibitions: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. 2. Storage: Store in a cool, dry, locked area out of the reach of children. Keep oil container tightly closed in storage to prevent entry of water. 3. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 4. Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in container destined for sanitary landfill, or by other procedures approved by state and local authorities.

Shake Well Before Each Use

USE THIS PRODUCT IN A MANNER CONSISTENT WITH ITS LABELING.

DIRECTIONS FOR USE: Shake or Stir Concentrate to Uniform Consistency Prior to Opening. 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.

Exempt from requirements of the Worker Protection Standard, 40 CFR part 170.

FOR USE ON BUT NOT LIMITED TO: Ornamental plants, orchard crops, berries, fruit trees, hops, vegetables, herbs, hemp, medicinal plants, cereals, pseudocereals, conifers, grasses, alfalfa.

PESTS CONTROLLED: Effective against powdery mildews on a wide variety of crops. Kills russet and spider mites and many insect pests. Prevents other foliar diseases.

USE PRECAUTIONS: Keep the container tightly closed in storage. Do not spray plants under drought stress. Do not apply at temperatures exceeding 85°F. Do not tank mix with any herbicides or within spray tanks in which herbicides have been used. Application safety during the bloom period should be determined for each individual species of plant by conducting a small test. Do not tank mix with any acidic products. Maintain agitation throughout application. Only mix what can be sprayed at one time. Clean spray rig and lines following application.

MIXING INSTRUCTIONS: Circadian Sunrise must be mixed with water prior to application. Fill tank with 1/2 to 3/4 of the total required volume of water. Begin agitation of tank water and slowly add measured volume of Circadian Sunrise. Continue agitating solution while adding remaining water. Agitate for at least five minutes to fully activate ingredients prior to application.

APPLICATION INSTRUCTIONS: Circadian Sunrise is a contact fungicide/insecticide, so direct contact with the target organism is necessary. Use sufficient volume to completely cover all plant surfaces.

TIMING OF APPLICATIONS: Applicator must adjust the precise timing and rate within the labeled range to fit local growth and climatic conditions.

DO NOT EXCEED MAXIMUM RATES OR APPLY MORE OFTEN THAN RECOMMENDED.

MAY BE USED UP TO DAY OF HARVEST

Net Volume: 1 Gal (3.78 L)

Circadian Crop Science represents this product is exempt from registration with the U.S. Environmental Protection Agency under FIFRA section 25(b) regulations

TABLE 1 - Foliar Diseases/Insects/Mites in Fields, Landscapes, Right of Ways, Greenhouses, Nurseries, Growth Chambers and Indoor Grow Rooms, on Food, Herbal, and Ornamental Crops

Crops	Pests	Concentrate Per Gal	Gal Per Acre	Comments
Including but not limited to: Grapes Caneberries Strawberries Blueberries Hops Hemp Herbs Tobacco Row crops Fruit bearing trees Ornamentals	Including but not limited to: *Powdery Mildew *Rusts Anthracnose Bacterial leafspot Aphids Whiteflies Leafhoppers Mealybug *Spider mites *Russet mites Thrips * Most effective	2 to 6 tbsp/gal 1 to 3 oz/gal	Use sufficient volume to ensure uniform coverage Agitate solution throughout application	1-day minimum spray intervals—Permissible only in Indoor/greenhouse/ screenhouse environments at a maximum rate of 1 tbsp/gal. 5 to 7-day minimum spray intervals—Use when conditions favor pests or diseases at a maximum rate of 4 tbsp/gal. 7 to 21-day minimum spray intervals—Use throughout the growing season at a maximum rate of 6 tbsp/gal. Note: 1. It is safe to introduce beneficial insects and mites after sprays have dried. 2. Circadian Sunrise will not harm parasitoids within aphid mummies. 3. It may take up to 24 hours to kill pest. 4. May not control all life stages of all listed pests. 5. Preventing foliar diseases via lower rates and shorter application intervals is recommended. 6. This product should not be mixed with acidic products. 7. Add a wetting agent to increase product performance.

Circadian Sunrise Advantages

1. Derived from **renewable ingredients**.
2. Thirty day **satisfaction guarantee**. Process through ccsciences.com with proof of purchase.
3. Much **less likely to burn plants** than conventional horticultural oils when applied following sulfur applications.
4. This container makes up to **128 gallons of ready to use spray** solution.
5. **Poses minimal risk to humans and the environment** when used as directed.

