**GENERAL INFORMATION**

**KALMOR®** is an effective fungicide/bactericide for prevention and control of diseases on a variety of plants and crops.

**KALMOR** is a dry flowable formulation with 46% Copper Hydroxide.

**Common Name:** Copper Hydroxide  
**Class:** Inorganic

**GROUP**   **M1**  ** FUNGICIDE**

**Packaging:** 2.5 lbs. bag, 4 per case

**RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD**

REI for Greenhouse Uses ONLY: 24 hours with eye wash stations (refer to the container label for further information)

REI for Outdoor Uses and no eye wash station: 48 hours

**Signal Word:** Caution

**PERSONAL PROTECTION EQUIPMENT (PPE)**

Mixers, loaders, applicators and other handlers must wear (see the container label for more detail):

- long-sleeved shirt and long pants  
- socks and shoes  
- waterproof gloves

**MODE OF ACTION**

**KALMOR** works at multiple sites. Absorbed copper disrupts the enzyme systems of the fungal and bacterial pathogens. **KALMOR** works both as a curative and a preventative fungicide. For best control, apply **KALMOR** when disease symptoms first begin.

**USE SITES**

**KALMOR** may be used on ornamental plants grown in commercial greenhouses and nurseries, and on conifers, vegetables, small fruits, nuts, etc. See the container label for all uses.

**APPLICATION RATES**

**KALMOR** may be applied as a foliar spray or drench on ornamental plants. Apply **KALMOR** at 0.5 to 2.0 lbs. per 100 gallons over the area to be treated. See the container label for more details on application drench volumes for bench or potted plants.

**Key Diseases Controlled**

- Anthracnose  
- Bacterial Leaf Spot and Blight  
- Botrytis  
- Fire Blight  
- Fungal Leaf Spot  

(see container label for complete list of diseases controlled)

**TANK MIXING**

Tank mixing is permitted with **KALMOR** for broader spectrum disease control. The pH of the mixed solution should be above 6.5 to minimize risk of phytotoxicity and crop damage. Do not tank mix with Areca™, Aliette® or other acid forming materials. Growers should test for compatibility and make sure to follow all directions and precautions on labels prior to application.
Understanding Copper Particle Size and Bio-Availability

- The KALMOR formulation has been optimized to provide high levels of bio-availability while at the same time reducing the copper load on the plants and environment.
- Bio-availability is the potential for copper ions to be accessible for dilution and biologically active against pathogens.
- Large particles are more readily dislodged from plant surfaces by rain or irrigation.
- Smaller particles, like those comprising KALMOR, adhere better and provide longer residual control.
- Copper at 0.75 microns has 64 x more particles per pound than copper at 3.0 microns (Rosenberger, D., Cornell University).

KALMOR is a low solubility (insoluble) copper

- Fixed copper.
- Spray solution of fixed copper: suspension of copper particles.
- Particles persist on leaf surface after drying.
- Gradual release of copper ions when particles react with water on the leaf surface.
- Residual protection; reduces phytotoxicity to plant tissues.

KALMOR Formulation Excellence