



**Kocide®**  
**3000-O**



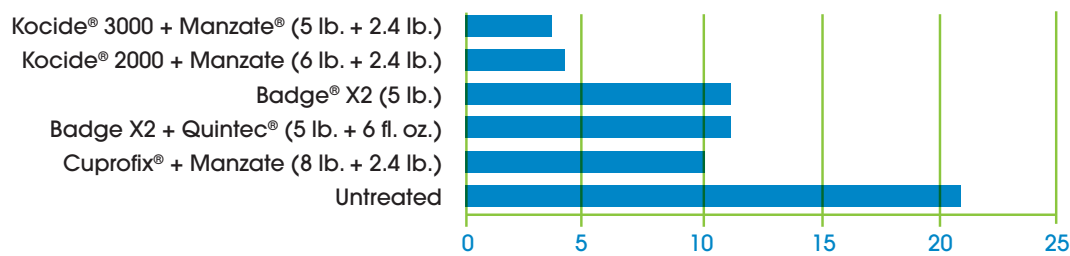
## Kocide 3000-O for Tree Nuts: Trusted, Proven and Reliable

Kocide® 3000-O has been grower approved year after year. For over 50 years Kocide products have proven to be the most trusted and technologically advanced copper fungicides on the market. With enhanced BioActive™ technology and a patented manufacturing process, Kocide 3000-O provides superior disease control with lower metallic use rates. Tested and proven by Universities around the world, Kocide 3000-O effectively controls many tree nut diseases and is available in convenient 4 and 10 pound bags.

### The Kocide 3000-O Advantage

- Our most advanced copper fungicide/bactericide formulation with BioActive technology
- Highest bio-available copper fungicide on the market
- Delivers more disease control per pound than other copper fungicides
- Equal to or better control than higher metallic coppers
- Optimum particle size provides superior coverage and rainfastness
- Outstanding dry flowable formulation for easy handling, mixing and use
- Signal word – CAUTION
- Environmentally friendly – less metallic copper per acre
- Proven performance with Universities and growers

### Walnut Blight: Percent Disease Incidence



Four applications made in early to late spring. Summary of Universities, consultants and in-house trials conducted in CA 2009 – 2013; Trials represent a combination of walnut blight strains that were partially resistant and/or resistant to copper.

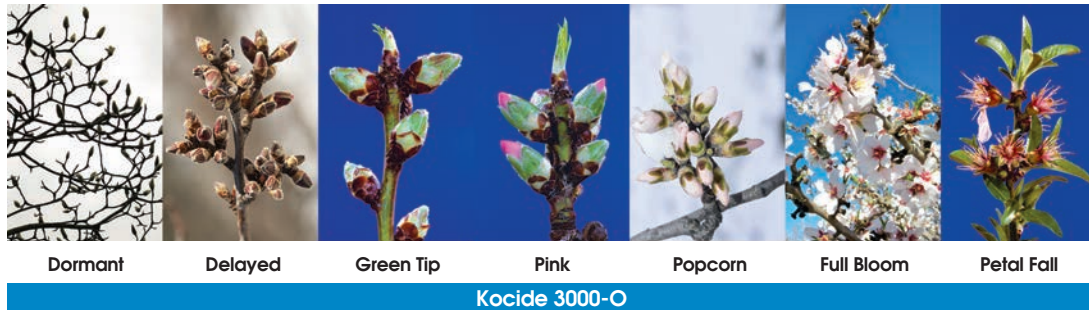
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## Maximizing the Value of your Tree Nut Applications

- Always use full orchard sprays
- Do not apply to wet crops
- Do not apply when slow drying conditions prevail
- Do not apply if it is likely to rain before the spray is dry
- Do not apply in spray solutions having a pH of less than 6.5

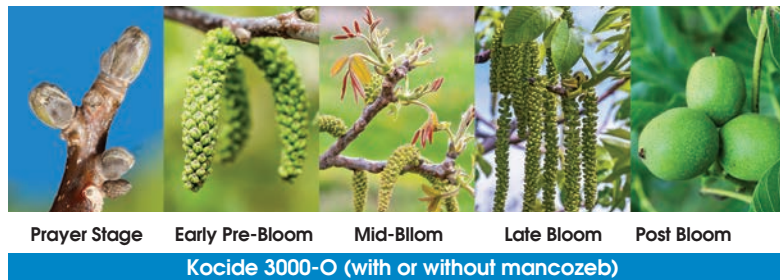
## Almond Application Calendar



**Almonds:** Apply 1st dormant spray prior to fall rains and 2nd at late dormant. These applications will reduce inoculum and protect against Bacterial Blast, Bacterial Canker, and Coryneum Blight (Shot Hole).



## Walnut Application Calendar



**Walnuts (Walnut Blight):** Apply 1st spray when approximately 40% of buds are at the “prayer stage” and repeat on 7 to 10 days intervals. Consult XanthoCast\* Walnut Blight Model to determine needs and timing for sprays. Thorough coverage maximizes disease control. Kocide 3000-O plus mancozeb should be used in orchards with a history of copper tolerant Walnut Blight strains.

**Hazelnuts (Filberts):** Eastern Filbert Blight and Bacterial Blight. Eastern Filbert Blight; make applications starting at bud swell to bud break and continue at two week intervals if needed until early May. Filbert Blight infection and growth cycle span two years.

**Pistachios:** Botryosphera Panicle and Shoot Blight, Botrytis Blight, Late Blight (*Alternaria alternata*), and Septoria Leaf Blight; make initial application at bud swell and repeat on a 14 to 28 day schedule as needed.

The \*XanthoCast Walnut Blight Model (a temperature-leaf wetness model) was developed by Dr. James Adaskaveg U.C. Riverside.



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