



FUNGICIDE

MASTERCOP®

When it comes to broad spectrum bacteria and fungi control, nothing beats copper. Mastercop® is the liquid copper fungicide for superior control without phytotoxicity risks.



A Different Kind of Copper

Growers face many challenges with copper sprays, from staining and residue to phytotoxicity that can reduce their marketable yields. With Mastercop from ADAMA, growers get maximum control with minimal environmental impact so that their crops stay healthy and bountiful through harvest.

MAXIMUM DISEASE CONTROL FOR GROWERS



Mastercop is a game changing liquid copper solution. It is a 100% water-soluble copper with instant release of copper ions for faster activity. Leveraging BioRetain™ formulation technology and a smaller copper particle size, Mastercop provides enhanced leaf adhesion retention, penetration and residual activity for overall better plant coverage due to an improved uptake system.

ORGANIC OR CONVENTIONAL—GROWERS CAN CHOOSE



Mastercop is an Organic Materials Review Institute OMRI Listed® copper designed for maximum control with minimal environmental impact. In fact, Mastercop contains up to 15% less metallic copper than other solutions with same efficacy. Because it requires less elemental copper with no sacrifice in performance, Mastercop is the perfect alternative for growers committed to improved stewardship and sustainability practices.

SUPERIOR CROP SAFETY FOR MARKETABLE YIELDS



Most copper fungicide spray solutions are actually a suspension of copper particles that persist on plant surfaces after the spray dries. This limited solubility is meant to avoid phytotoxicity. Because it's 100% soluble in water, Mastercop copper ions are immediately bioavailable, without the risk of phyto damage to fruit and foliage. And because it fully dissolves in water, there's no blue residue left on leaves to block photosynthesis or stain fruit.

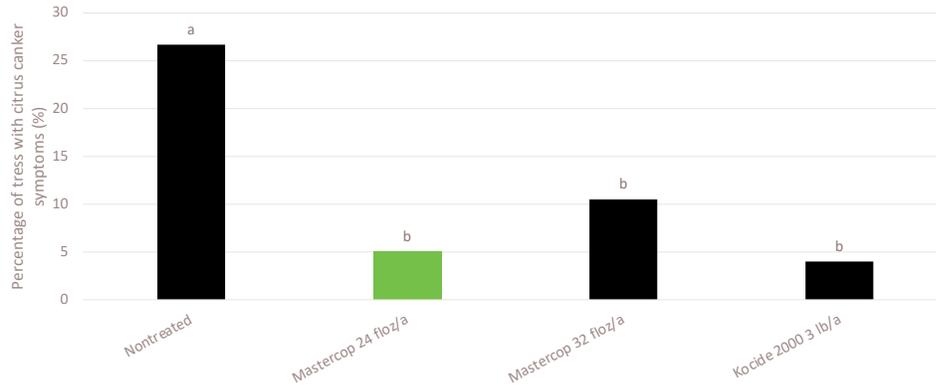
LESS HASSLE AND EASIER TO USE FOR GROWERS



A problem with traditional dry coppers is that they can settle out during application, clogging equipment and leaving a sludge in the bottom of the tank. Growers don't have time to deal with additional cleanup and maintenance of equipment. Mastercop is a friendly tank mix partner, doesn't dust when mixing, won't settle in the tank and doesn't clog nozzles or filters. Peace of mind for applicators and growers alike.

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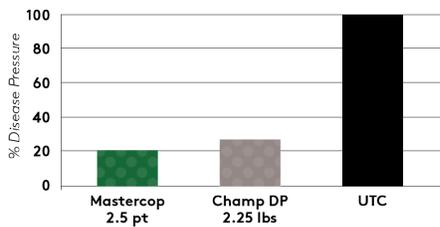
Citrus Canker Performance



Key takeaway: On Aug 8, 2022 (21 DAD), there were significantly fewer trees exhibiting Citrus Canker symptoms when trees were treated with both rates of Mastercop and Kocide compared to the nontreated control trees.

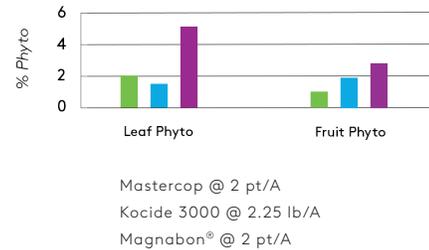
Citrus Canker Control on Oranges

Mastercop Performs Equivalent to Champ® DP
Winter Garden, Groveland FL | 2013



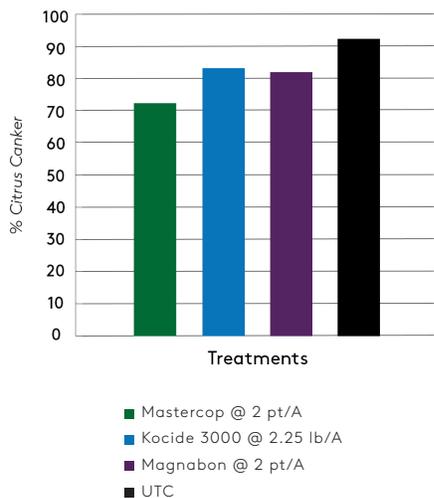
Citrus Canker on Grapefruit

KAC Ag Research | Avon Park, FL | 7 July, 1 & 8 Aug, 12 & 27 Sep 2012



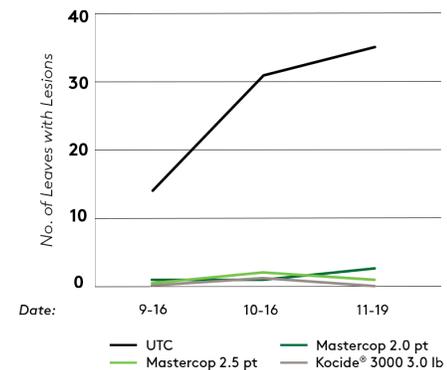
Citrus Canker on Grapefruit

KAC Ag Research | Avon Park, FL | 7 July, 1 & 8 Aug, 12 & 27 Sep 2012



Citrus Canker Control on Valencia Oranges

Ag Consulting, Groveland FL | 2013



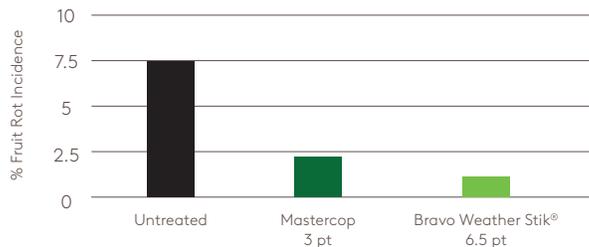


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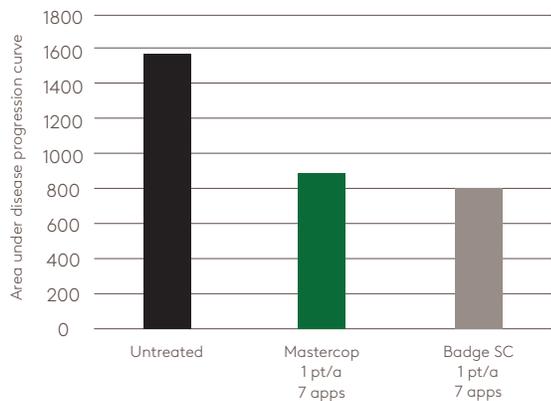
Effect on Cranberry Fruit Rot Incidence

Dr. Uppala | UMASS | November 2019



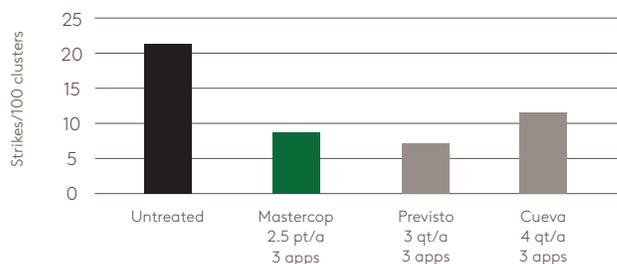
Foliar Disease Control in Potato

Bonnerr Ferry, ID | 2019



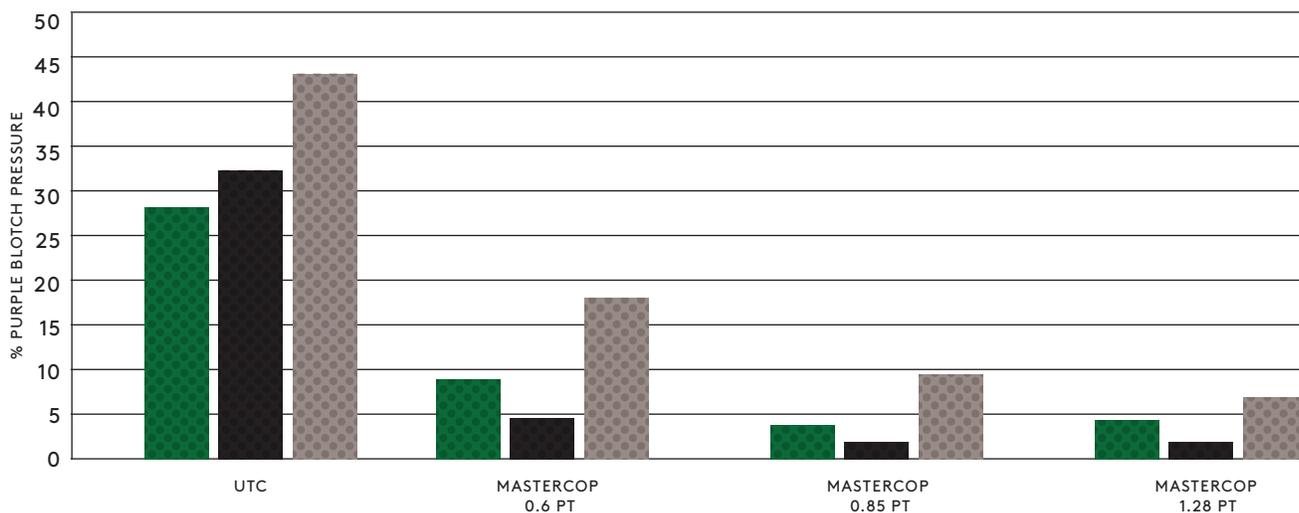
Effect on Fire Blight Apple - Red Delicious

Tianna Dupont, Washington State Univ. | 2019



Purple Blotch on Onions

● % INFECTION 8 DA ● % INFECTION 15 DA ● % INFECTION 22 DA



Visit adama.com to learn more.

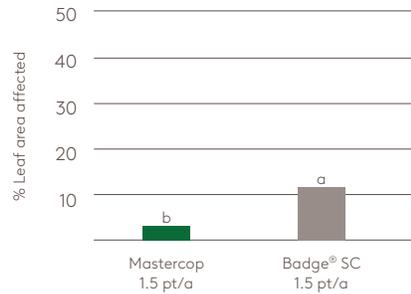


Mastercop®

Copper + Glyphosate Phytotoxicity on Sugar Beets

Jeff Miller, Acequia, ID | 2020

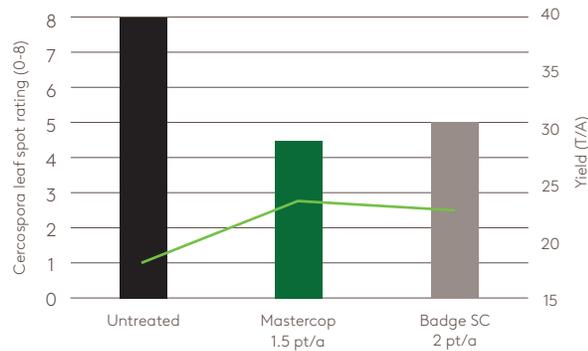
Leaf phytotoxicity when mixing Coppers with RoundUp PowerMAX®. 0-20% margin.



Trial performed by Jeff Miller, Acequia, ID
 All copper treatments were mixed with glyphosate (Roundup PowerMAX) at 22 fl oz/a
 Check only received glyphosate (Roundup PowerMAX) at 22 fl oz/a
 Applications were made on June 15 & July 8
 Plots rated visually for phytotoxicity on Aug 13

Mastercop Control of Foliar Disease in Sugar Beets

Frankenmuth, MI, Michigan State University



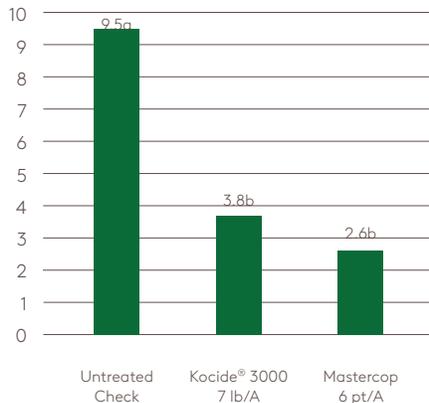
Application 1 - Inspire XT + Manzate MAX
 Application 2 - SuperTin + Manzate MAX + Copper (Mastercop or Badge)
 Application 3 - Inspire XT + Manzate MAX + Copper (Mastercop or Badge)
 Application 4 - SuperTin + Manzate MAX + Copper (Mastercop or Badge)
 Application 5 - Manzate MAX
 Application 6 - Manzate MAX

Both Mastercop and Badge were added to the standard spray program

Blossom Blights/Almond Tree

Helena Research & Development, 2020 | Live Oak, CA

Mastercop and Kocide 3000 were applied during the dormant stage. Evaluations taken two months after application. Mastercop provided better control of blossom blight compared to Kocide 3000.



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