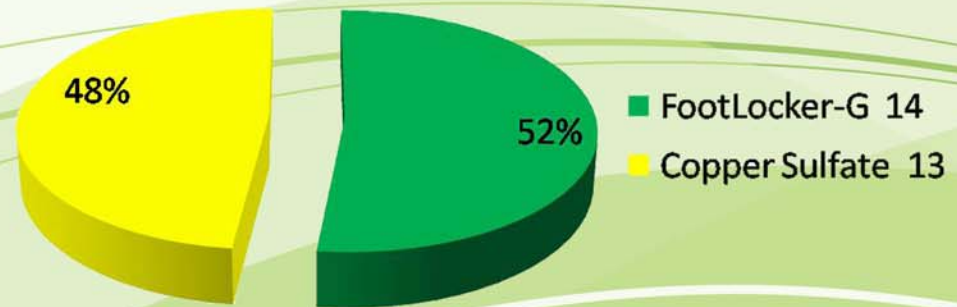




Arizona Dairy Digital Dermatitis



Control – 1000 cows | Treatment – 1000 cows | Time Period – 60 days

Chart Summary : FootLocker-G performed as well as Copper Sulfate at only ½ the usage level of CoSU4 which is 2 times more cost effective.

Hoof Lameness

Lameness is a major disease or condition affecting the majority of dairies in the US. Digital dermatitis (DD) is called digital papillomatosis or hairy heel warts and has developed into a serious contributor to dairy cattle lameness in the US. The causes of DD are not completely understood, but it would appear to be bacterial in origin. Group foot-

baths have become the practical approach to control and prevention of DD. Copper Sulfate (CuSO₄) is the most common footbath product. However, copper sulfate is

increasingly expensive and high copper loads from footbaths can harm crop growth as it is an environmental pollutant.



Footlocker-G is a proprietary blend of proven antimicrobials that are environmentally friendly and completely biodegrade to crop nutrients that are safe in manure and soil. After Footlocker-G has done its work, the residual byproduct is a form of boron (similar to borax). Unlike copper, the boron is stimulatory to crops like alfalfa. Therefore, Footlocker-G is a viable replacement product for current dairy cattle footbaths.



info@matrixnutritionllc.com



www.MATRIXNUTRITIONLLC.com

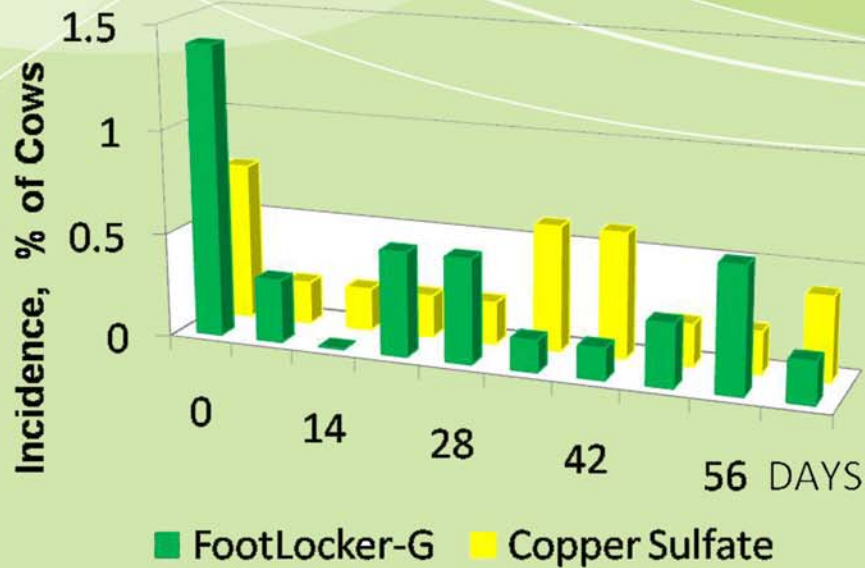
Matrix Nutrition, LLC • Phoenix, Az • 602-621-4944

Copyright © 2010 Matrix Nutrition, LLC

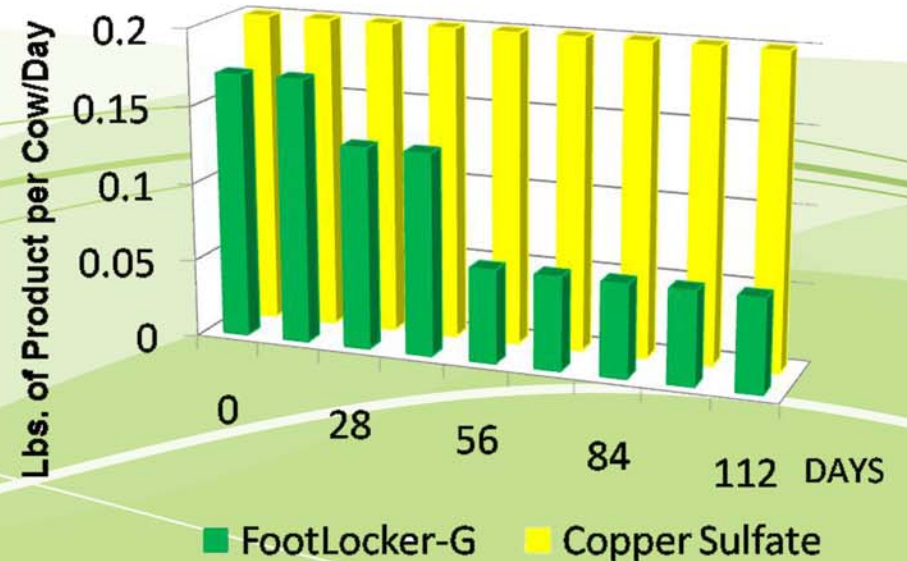


The Footlocker-G was as effective as copper sulfate for preventing the occurrence of hairy heel warts at a lower usage rate and lower frequency (Fig. 1 and 2). Based on this case study, we recommend replacing copper sulfate with Footlocker-G. Where there is severe incidence, Footlocker-G should be used at a rate of 20-25 lb/500 cows at 5 times per week. For maintenance applications, use Footlocker-G at 25 lb/500 cows twice per week.

(Figure 1) Incidence of Heel Warts



(Figure 2) Usage Rate of Product



To demonstrate the beneficial effects of Footlocker-G on foot health, a case study was conducted at an Arizona dairy. The dairy consisted as two barns with 2,000 cows per side. Prior to the study, all cows were run through a footbath four times per week consisting of 25 lb copper sulfate in 50 gal. water. The footbath solution was changed after 500 cows had passed through. At the start of the study, one barn was switched to 22.5 lb of Footlocker-G, four times per week and the other barn remained on the copper sulfate regime. After two weeks, the frequency was reduced to three times per week for the Footlocker-G group. After 8 weeks the Footlocker-G treatment was reduced to 15 lbs/50 gal twice per week.

