

# 10% Foot Bath Calculator

Farm Name: Hairy's Happy Hoofers

Barn: The Catt House

50 Number of Head

2 Passes Per Day

<b>Step 1</b>										
Calculate Foot Bath Capacity	<span style="border: 1px solid black; padding: 2px;">6</span>	Length (ft)	<span style="border: 1px solid black; padding: 2px;">2</span>	Width(ft)	<span style="border: 1px solid black; padding: 2px;">0.5</span>	Depth (ft)	7.46	=	<span style="border: 1px solid black; padding: 2px;">44.76</span>	Gallons in Foot Bath

<b>Step 2</b>									
Calculate Amount of Copper Sulfate for Foot Bath	<span style="border: 1px solid black; padding: 2px;">44.76</span>	Gallons in Foot Bath	<span style="border: 1px solid black; padding: 2px;">0.83</span>	LBS Copper Sulfate per Gallon (10% Solution)	=	<span style="border: 1px solid black; padding: 2px;">37.15</span>	LBS of Copper Sulfate Needed per Foot Bath		

<b>Step 3</b>									
Calculate Cost of Copper Sulfate per Foot Bath	<span style="border: 1px solid black; padding: 2px;">37.15</span>	LBS of Copper Sulfate Needed per Foot Bath	<span style="border: 1px solid black; padding: 2px;">\$1.25</span>	Cost of Copper Sulfate per Pound	=	<span style="border: 1px solid black; padding: 2px;">\$46.44</span>	Cost per Foot Bath		

<b>Step 4</b>									
Calculate Amount of Hoof Plex per Foot Bath	<span style="border: 1px solid black; padding: 2px;">44.76</span>	Gallons in Foot Bath	<span style="border: 1px solid black; padding: 2px;">0.5</span>	Hoof Plex	=	<span style="border: 1px solid black; padding: 2px;">22.38</span>	Oz. of Hoof Plex needed for Foot Bath		

<b>Step 5</b>									
Calculate Cost of Hoof Plex per Foot Bath	<span style="border: 1px solid black; padding: 2px;">22.38</span>	Oz. of Hoof Plex needed for Foot Bath	<span style="border: 1px solid black; padding: 2px;">0.32</span>	Price per oz. of Hoof Plex	=	<span style="border: 1px solid black; padding: 2px;">\$7.16</span>	Cost of Hoof Plex per Foot Bath		

<b>Step 6</b>									
Calculate Savings	<span style="border: 1px solid black; padding: 2px;">\$46.44</span>	Cost of Copper Sulfate per Foot Bath	Minus	<span style="border: 1px solid black; padding: 2px;">\$7.16</span>	Cost of Hoof Plex per Foot Bath	=	<span style="border: 1px solid black; padding: 2px;">\$39.28</span>	Savings per Foot Bath	

146 Number of Foot Bath Changes per year using Copper Sulfate  
**\$6,780.02** Annual cost of Copper Sulfate Foot Baths

73 Number of Foot Bath Changes per year using Hoof Plex  
**\$522.80** Annual Cost of Hoof Plex Foot Baths

**\$6,257.22 Annual Savings using Hoof Plex Foot Baths**