



Footbath Management Protocol

Management/Ownership	Staff Protocol
<p><u>Footbath frequency & milking choice</u></p>	
<p><u>Footbath placement</u></p> <p><u>Footbath dimensions</u> (N.B. Cook, et al. 2012)</p> <p><u>Footbath volume:</u></p> <p>Gallons = ft. X ft. X ft. X 7.48 gal./cu. ft.</p> <p>(Volume to provide desired cow passes per footbath fill.)</p>	<p>●</p>



HOOF-ZINK®
E-Z LIQUID

<p><u>Treatment product concentration:</u></p>	
<p><u>Footbath refill (if needed)</u></p>	<p>•</p>
<p><u>End of milking</u></p>	<p>•</p>



Sample Protocols

Management/Ownership	Staff Protocol
<p><u>Footbath frequency & milking choice</u></p> <p>Establish a minimum number of consecutive days for treatment. Producer may reduce days if hoof health goals are achieved based on future trimming reports or increase days for improved results.</p> <p>If used once daily, select the milking with the most experienced footbath operator.</p>	<ul style="list-style-type: none"> • Run footbath in AM milking: <ul style="list-style-type: none"> • Monday • Tuesday • Wednesday
<p><u>Footbath placement</u></p> <p>Impede cow flow as little as possible; but fill the alley width or position sidewalls preventing cows “side-stepping” the bath.</p> <p><u>Footbath dimensions (N.B. Cook, et al. 2012)</u></p> <p>Identify footbath length to produce 2+ immersions for each rear hoof, depth well below footbath top to reduce spillage/waste and width to produce desired volume.</p> <ul style="list-style-type: none"> • Length – preferred minimum 8 ft. • Depth – 10 in. step-in height for 4-6 in. fill • Width – no less than 20 in. with slanted sides <p><u>Footbath volume:</u></p> <p>Gallons = length, ft. X depth, ft. X width, ft. X 7.48 gal./cu. ft.</p> <p>(Volume to provide desired cow passes per footbath fill.</p>	<ul style="list-style-type: none"> • Fill footbath with water to 4 in. depth. (mark)



<p><u>Treatment product concentration:</u></p> <p>Manufacturer’s recommendation relative to footbath volume.</p> <ul style="list-style-type: none"> • Label a container specific to the product and mark the “fill line” for the appropriate weight or volume for each fill. <p>(Increases consistency and avoids waste (\$\$\$) of the “bag/half bag” mentality of copper sulfate.)</p>	<ul style="list-style-type: none"> • Fill treatment container to measured line. • Pour into footbath water. (Mix only if required by product)
<p><u>Footbath refill (if needed)</u></p> <p>Discuss with management the herd size and footbath cow pass potential based on the footbath volume and the treatment product of choice.</p> <p>If cow numbers exceed the cow pass potential, select a “pen change” for cleaning and refilling the footbath.</p>	<ul style="list-style-type: none"> • <u>PEN 3</u> - Empty bath, rinse clean and refill with water and treatment product as before.
<p><u>End of milking</u></p> <p>Smaller herd sizes may allow treatment for multiple milkings with a single footbath fill.</p> <p>(Footbath efficacy often ends after 24 hrs. due to contamination reaction over time.)</p>	<ul style="list-style-type: none"> • Empty footbath and rinse clean for future use.