T-HEXX®
Animal Health

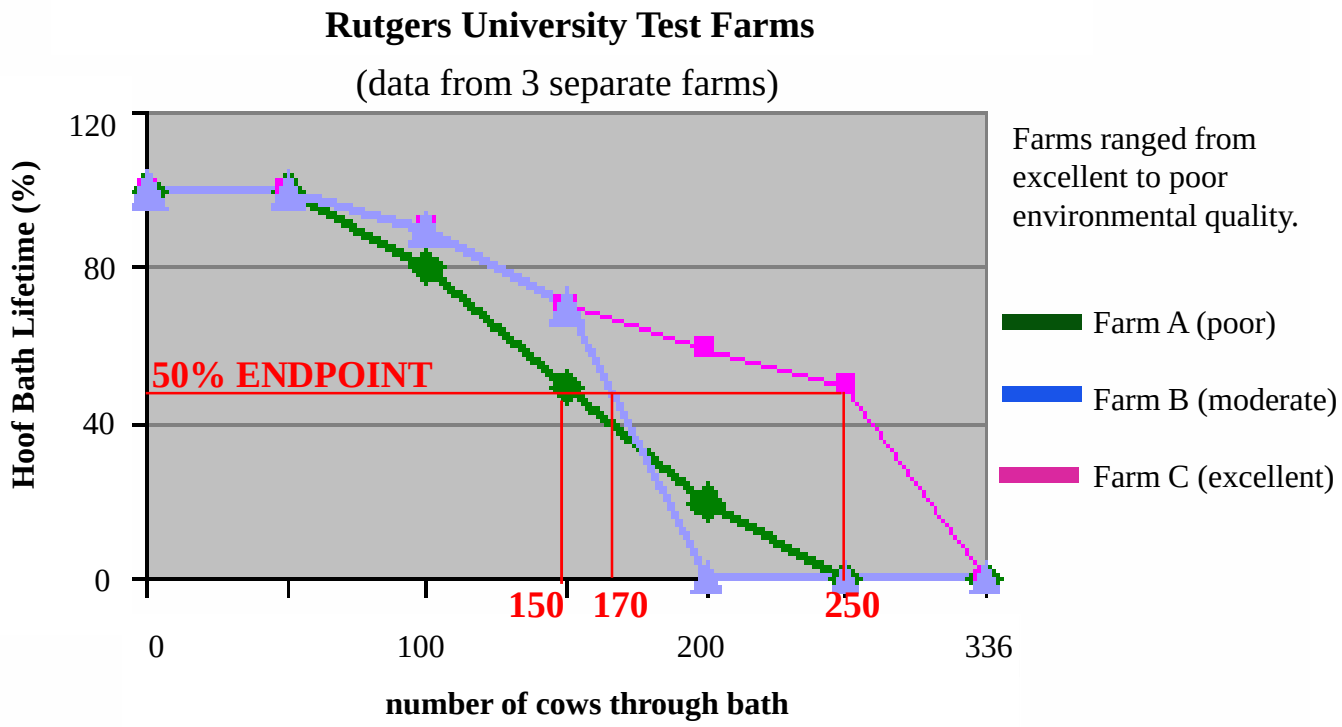
Dragonhyde™
HOOF BATH CONCENTRATE

In-House Laboratory & Field Trial Study Collection

...combining quality with innovation

Study #1: Using T-HEXX Dragonhyde HBC With No Pre-Bath

If no pre-bath is used when running T-HEXX *Dragonhyde* HBC diluted 1:50, an average of 250 cows can walk through the bath before it needs to be discarded.



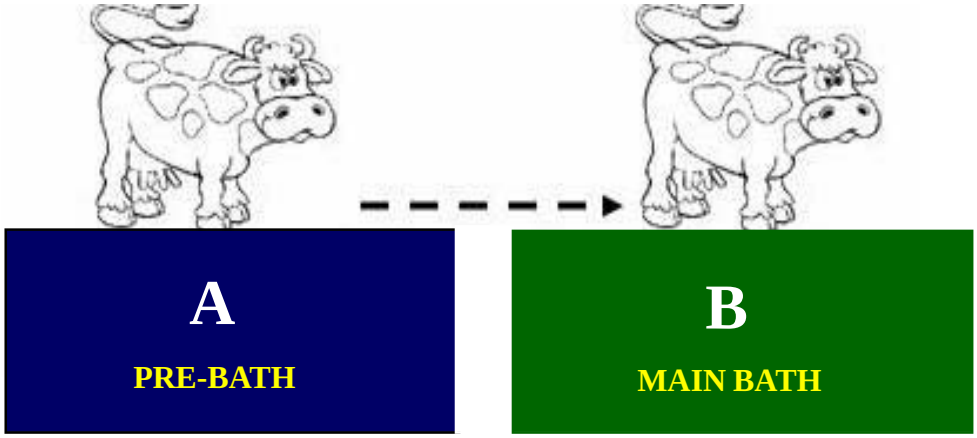
Conclusion

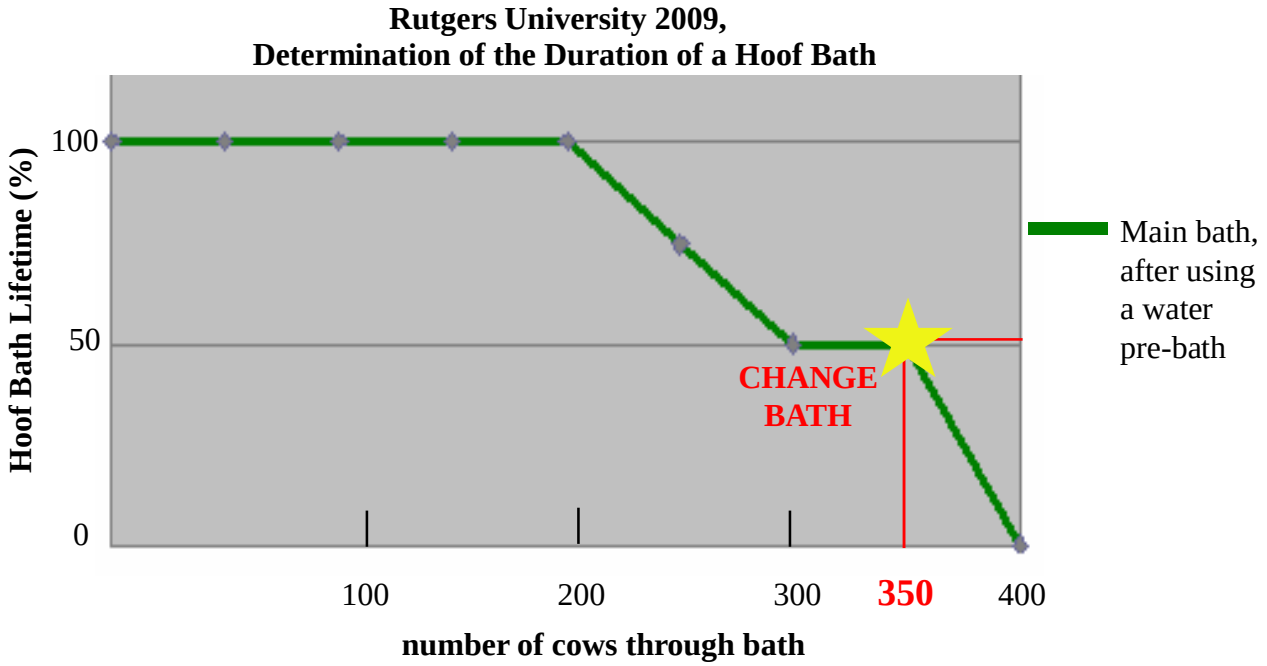
The main bath of **T-HEXX *Dragonhyde* HBC** diluted 1:50, needed to be discarded after 150-250 cows walked through. An assesment of the endpoint at 50% by cleanliness was selected as the recommended change point for comparison.

(1:50 dilution is 1 part **T-HEXX *Dragonhyde* HBC** plus 49 parts water)

Study #2: Using T-HEXX Dragonhyde HBC With Use of a Pre-Bath

To increase the length of time that a hoof bath can be used, a pre-bath with water or highly diluted T-HEXX *Dragonhyde* HBC (ex diluted 1:100) will yield the best results for the herd.

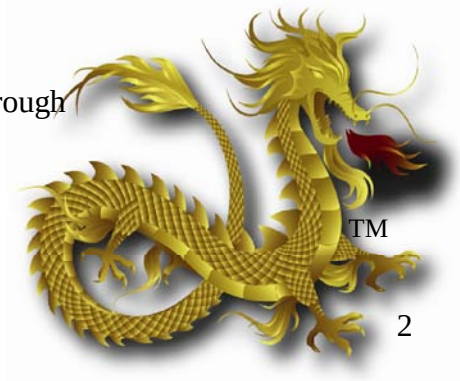




Conclusion

When a water pre-bath was used, on average 350 cows were able to get through the main bath (diluted 1:50) before it needed to be changed.

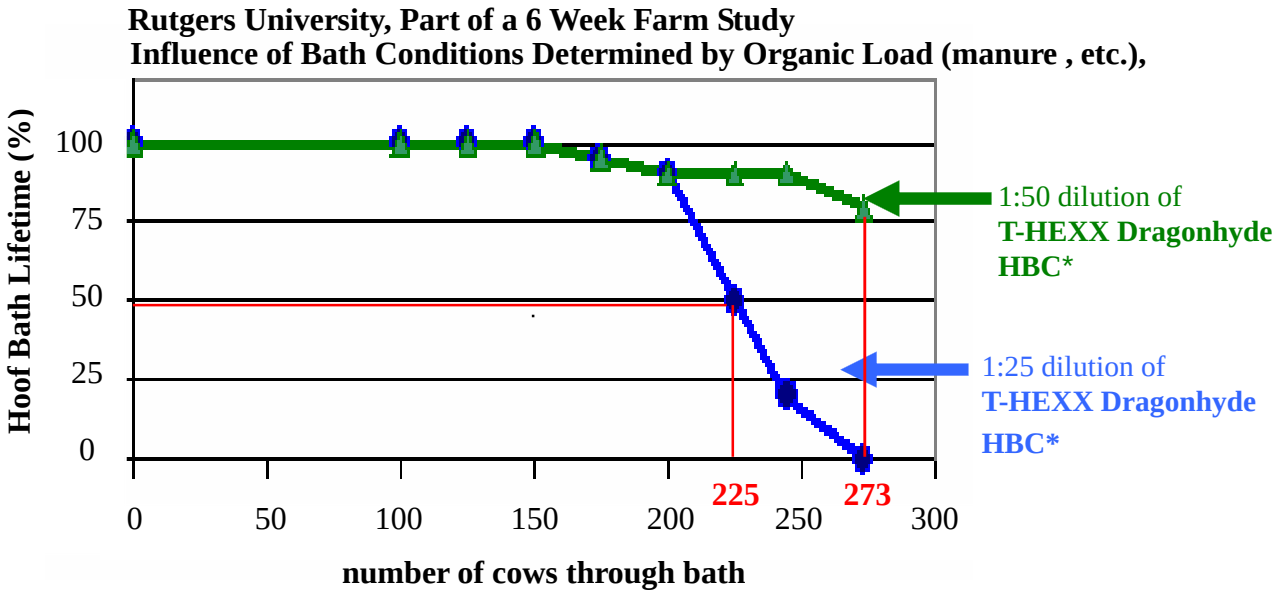
(1:50 dilution is 1 part **T-HEXX *Dragonhyde* HBC** plus 49 parts water)



TM

Study #3: Effects of Organic Load in a T-HEXX Dragonhyde HBC Hoof Bath

The conditions, or amount of organic load (manure, etc.) in a hoof bath containing T-HEXX *Dragonhyde* HBC, will determine the number of cows that can walk through the bath before it requires changing.



Conclusion

***Farmer Observation: The hoof bath contained more dirt and manure.**

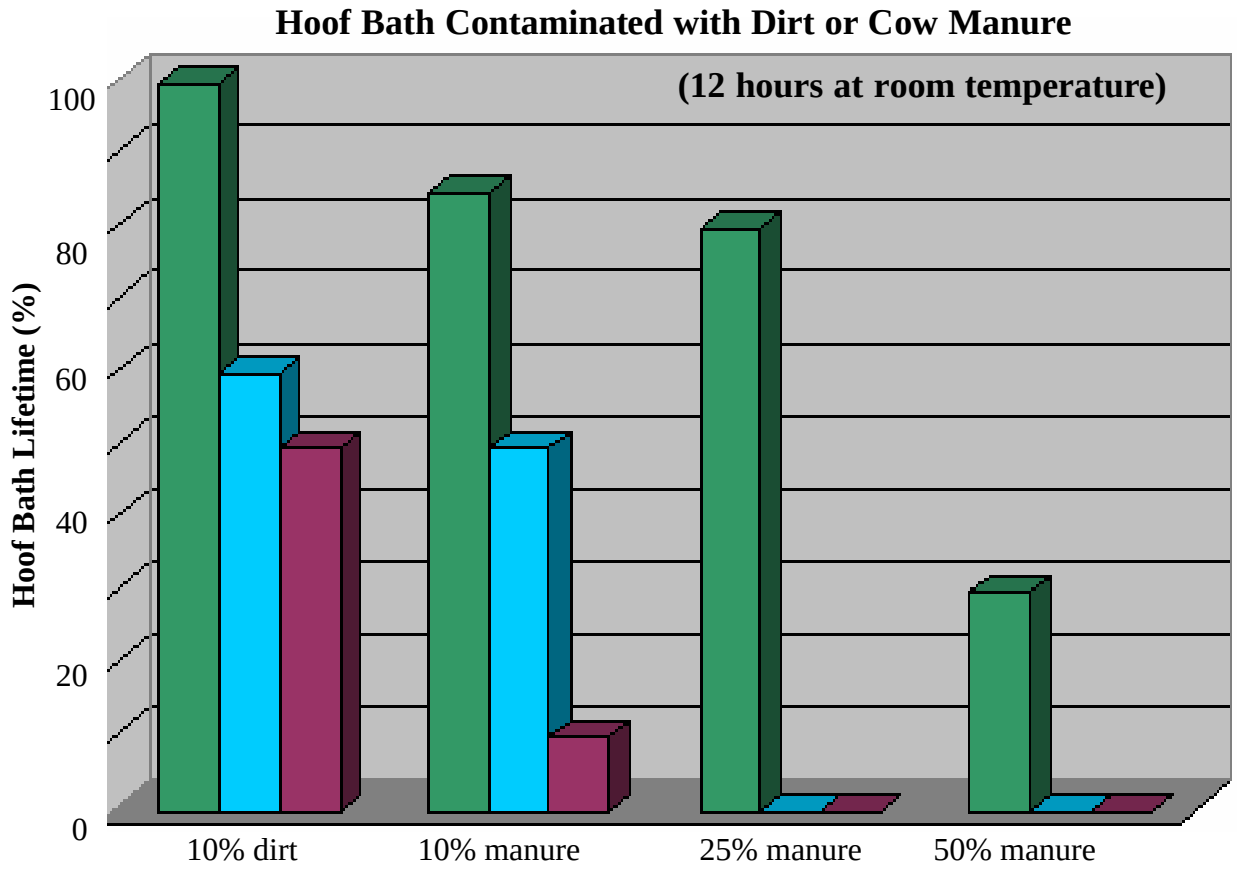
When the organic load in the bath was high, an average of 225 cows were able to walk through a single bath made up of **T-HEXX *Dragonhyde* HBC** before it required changing. This bath contained a 1:25 dilution made of 2 parts **T-HEXX *Dragonhyde* HBC** plus 48 parts water.

***Farmer Observation: The hoof bath contained less dirt and manure.**

When the bath had less organic load, the studies implies more than 300 cows were able to walk through a single bath made up of **T-HEXX *Dragonhyde* HBC** before it required changing. This bath contained a 1:50 dilution made of 1 part **T-HEXX *Dragonhyde* HBC** plus 49 parts water.

Study #4: Organic Load

An in-house laboratory test demonstrated, when the organic load in the main bath became high, changing of the bath at a lower number of cows would be necessary.



T-HEXX *Dragonhyde* HBC

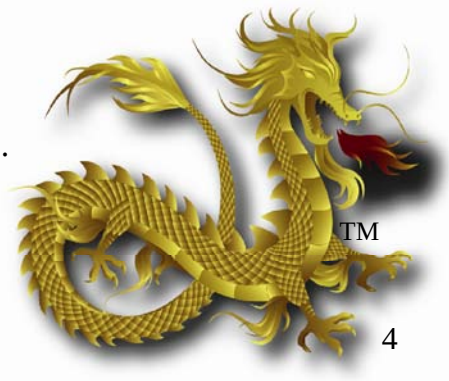
Product Q: 0.2% Copper/0.35% Zinc ready to use solution

Product H: 0.72% Copper/4.41% Sulfur (1:50 dilution)

Conclusion

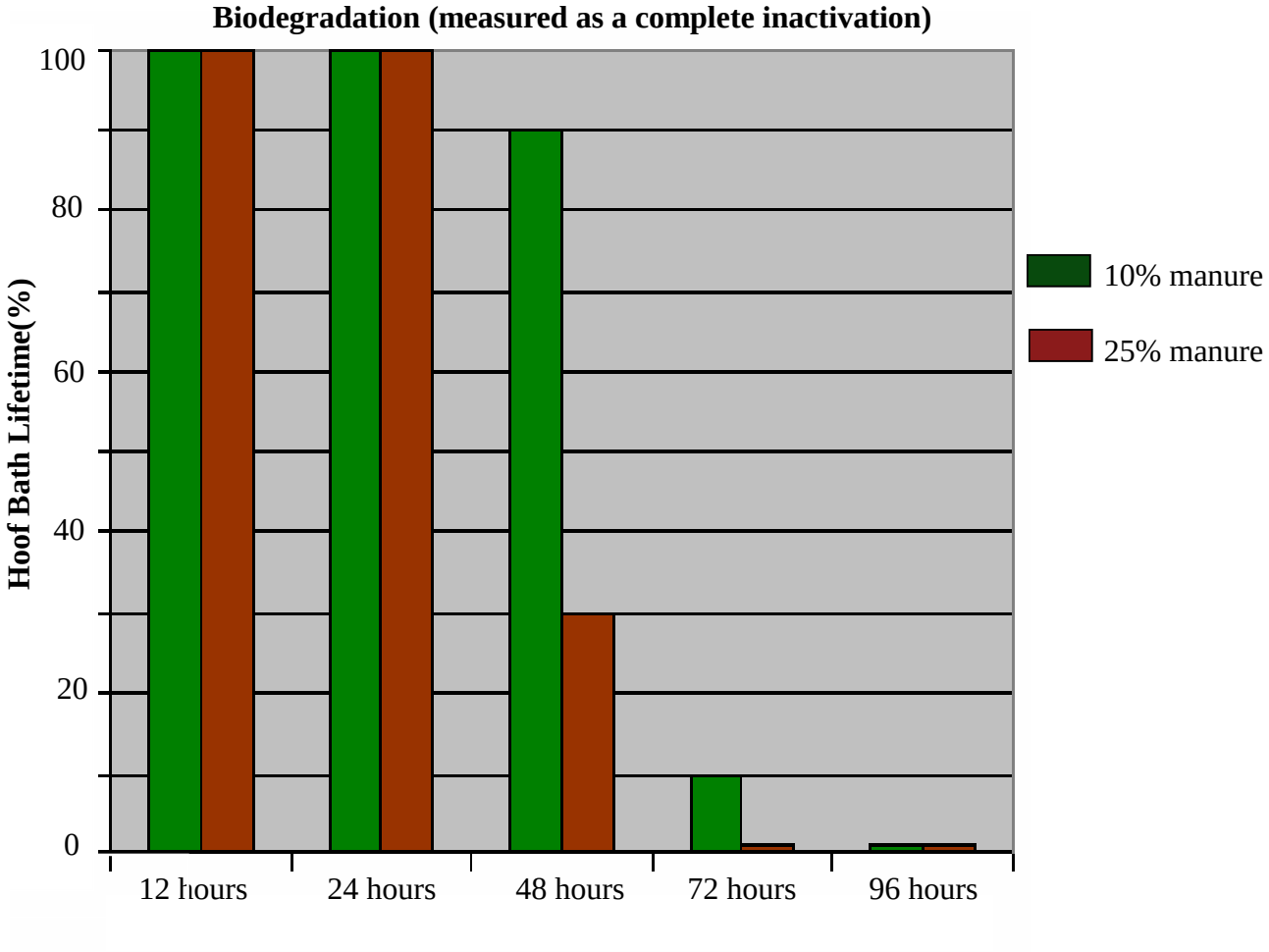
T-HEXX *Dragonhyde* HBC (diluted 1:50) was able to work efficiently in the presence of a much higher organic load than its leading competitors.

(1:50 dilution is 1 part **T-HEXX *Dragonhyde* HBC** plus 49 parts water)



Study #5: Biodegradation by Manure

An in-house study was conducted to assess the loss of T-HEXX *Dragonhyde* HBC (diluted 1:50) functionality when contaminated with manure vs. time.



Conclusion

Complete biodegradation (measured as complete loss of functionality) of **T-HEXX *Dragonhyde* HBC** (diluted 1:50) occurred after 4 days of being incubated with 10% to 25% manure at room temperature. **T-HEXX *Dragonhyde* HBC** (diluted 1:50) contaminated with 25% manure resulted in a loss of greater than 50% of its functionality within 48 hours.

Testimonials

"In September of 2009 year after year product after product [our] search came to an end. We found a break through in science product called DRAGONHYDE...We trim all our cows twice a year, fall and spring. The hoof trimmer was very impressed how deep it penetrated... So to make a very long story short, DRAGONHYDE works very well and I would encourage every Dairyman to try it and keep these girls happy and productive."

Leonard
Kingsbury Colony, Montana
***milking 134 Holsteins**

"On reading a recent issue of Progressive Dairyman they [Kingsbury Colony] noticed an advertisement for a new foot bath product called Dragonhyde, which they elected to try...After trimming four cows, changes in the condition of claws and the skin adjacent to the coronary band were apparent. The skin immediately above the bulb of the heel was pale pink and smooth with flakey scale absent. There appeared to be no interruption in the zone of transition between skin cells and horn cells suggesting that heel erosion had been arrested. Cows that records indicated had been treated previously showed complete recovery, others had scar tissue but no inflammation or sensitivity present."

Ron Kummerfeldt
Trimmer, Montana

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* Sales presentations and information for sales managers

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* Customized services for product development

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