

Photo Finish? Not even close.

OrganiGuard stretches its winning streak

OrganiGuard is the industry's newest organically-based antimicrobial mold inhibitor. Now, it's also the fastest growing. This year, the risks of mold and mycotoxin contamination seem higher than ever. Feed manufacturers are on guard against molds and mycotoxins, and OrganiGuard's popularity is increasing faster than any other brand.

Feed spoilage can be a nightmare for your feed customers and a disaster for your product line. The last issue of *The Science Quarterly* featured timely information on the recent rise of dangerous mold and mycotoxin contamination. It also spelled out the regulations that feed manufacturers now find themselves operating under to avoid adulterating their products. Side-by-side product research reports left no doubt that OrganiGuard is more effective than the competitive mold inhibitors tested.

In this issue, another competitor has challenged OrganiGuard and come up short. An independent lab report and convincing photos reinforce OrganiGuard's stronger performance.

Antimicrobial comparisons by independent laboratory

Method: Two molds, *Aspergillus* and *Penicillium*, and one bacterial contaminant, *Salmonella*, were grown on culture plates. Two antimicrobial products, OrganiGuard™ and TenderTreat,™* were saturated on a ½ inch diameter sterile blank discs. Three discs containing each antimicrobial were placed in each organism-inoculated culture plate. The inoculated plates were incubated at 33-35°C (91-95 °F) for up to 3 days for molds and 18 hours for bacteria.


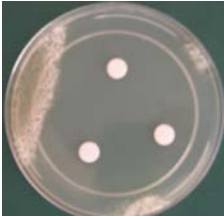



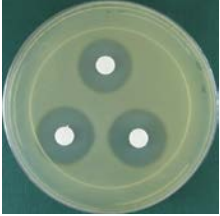
Interpretation: In this type of comparison, effective antimicrobials prevent the organisms from growing on the plates in a zone around the impregnated disc. The most powerful antimicrobials produce larger, clear zones with no organism growth around the sample (the zone of inhibition). The diameter of the zone of inhibition indicates how strong the antimicrobial product is. Zones are measured from the underside of the plate, using a standardized angle and illumination.

Results: OrganiGuard and TenderTreat both inhibited mold and bacterial growth. Lab photos show the largest sterile zones surrounding the discs impregnated with OrganiGuard (see figure) and indicate greater protection against the contaminating organisms. OrganiGuard's average zone against *Aspergillus* was 33% larger than Tender Treat's. Similarly, OrganiGuard provided greater hygiene when faced with *Penicillium* mold (53% more coverage) and *Salmonella* bacteria (11% more inhibition).

OrganiGuard™

OrganiGuard’s powerful feed hygiene translates into more protection against mycotoxins and bacterial adulteration. Most importantly, adding OrganiGuard to your products means more responsible and safer food for your customers’ livestock and pets, and greater protection for your own brand.

Laboratory photographs of the culture plates with inhibition zones.

	<i>Aspergillus</i> Inhibition	<i>Penicillium</i> Inhibition	<i>Salmonella</i> Inhibition
OrganiGuard	 <p>64 mm (33% larger)</p>	 <p>72 mm (53% larger)</p>	 <p>40 mm (11% larger)</p>
TenderTreat	 <p>48 mm</p>	 <p>47 mm</p>	 <p>36 mm</p>

* TenderTreat™ is a registered trademark of Animal Feed Technologies, Greeley, CO.