

# Neigh-Lox<sup>®</sup>

## ADVANCED

## Managing gastric ulcers, colonic ulcers, and hindgut imbalances in horses.

### Gastric ulcer syndrome (GUS):

GUS is a widespread problem among all horses. Many horses with ulcers show no outward symptoms. The prevalence of gastric ulcer damage has been documented in 93% of horses in race training, in nearly 60% of other performance horses, and in 57% of all foals. A research project conducted on a band of broodmares at the University of California at Davis revealed that even though the mares in the study had not been exposed to the typical environmental conditions conducive to ulcers, the occurrence of ulcers in the mares was approximately 70%.

### Colonic ulcers (RDC):

When horses develop ulcers in their large intestines, the condition is referred to as colonic ulcers or right dorsal colitis (RDC). In a recent study of 545 horses tested for RDC, 44% of nonperformance horses and 65% of performance horses had colonic ulcers. Although they are not as prevalent as gastric ulcers, colonic ulcers are still a significant problem, especially in performance horses.

### Hindgut imbalances and acidosis:

The vast majority of microorganisms that reside in the gut set up shop in the horse's hindgut (cecum and large intestine). Because the horse does not secrete enzymes or digestive juices to break down the feed that enters the hindgut, the task of digestion is left to the resident microbes. Any abrupt changes in a horse's feeding program, be it from the introduction of a new feed to any variety of management changes, can negatively affect the microbial population. The microbial die-off caused by such changes throws the gut out of balance. In some cases, the surviving microbes produce large quantities of fermentation byproducts that alter the pH in the hindgut, causing increased acidity. These disruptions can lead to digestive upset, colic and laminitis. All horses, but particularly performance horses, can be impacted by hindgut imbalances.



### What unique role does Neigh-Lox<sup>®</sup> Advanced play?

#### 1. Neigh-Lox Advanced contains compounds that buffer gastric acid as well as protect the mucosal lining and adhere to gastric lesions, protecting them from further acid injury.

- Neigh-Lox Advanced has the capacity to buffer gastric acid for a long period of time (minimum 6 to 8 hours). Most equine antacids can only buffer acid for shorter periods of time.
- Neigh-Lox Advanced buffers a large amount of acid. One dose (per 4 oz) has 240 mEq of acid-neutralizing capacity, which is equivalent to the amount of gastric acid typically produced over a six-hour period.

## 2. Neigh-Lox Advanced contains the true probiotic *Saccharomyces boulardii*, which:

- Supports complete digestion of starch and sugars in the foregut, therefore reducing the risk of hindgut upset and acidosis caused by simple carbohydrates escaping into the hindgut.
- Supports healing of stomach and colonic ulceration by supplying nutrients to the gastrointestinal tissues.
- Maintains a normal GI tract environment, which reduces or eliminates episodes of acute and chronic diarrhea.

## 3. Neigh-Lox Advanced provides a proprietary blend of broad-spectrum prebiotics, which:

- Support a robust immune system.
- Support reduced inflammation and healing of damaged tissues.
- Supply polyphenol, nucleotides and polysterols, antioxidants that maintain healthy cell membranes and accelerate recovery after exercise.

## When to Use Neigh-Lox® Advanced:

1. When mild to moderate ulceration is suspected. Horses that display signs of moderate gastric ulceration are good candidates for Neigh-Lox Advanced. These include horses with poor appetites, sour dispositions, chronic colic, or poor body condition.
2. When horses are entering stressful situations. Horses that are competing, being prepped for sales, entering training, or being transported may benefit from Neigh-Lox Advanced. Any horse can develop ulcers or hindgut imbalances when facing management changes and a stressful environment.
3. When horses have been previously treated for ulcers. Horses that have been successfully treated for ulcers with medications such as omeprazole will often redevelop lesions when the medication is discontinued. Neigh-Lox Advanced provides these horses protection against return of the ulcer.
4. During weaning. Neigh-Lox Advanced helps reduce stress on the stomach of foals as they transition from a milk-based diet to a diet composed of forage and grain.



The horse that matters to you matters to us®



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