

RETHINK your horse's digestive health



## revvyve

### WHAT CAUSES GASTROINTESTINAL AILMENTS?

Horses are hindgut fermenters, meaning they utilize a population of beneficial bacteria and other microbes to help digest the bulk of their feed. Fiber, the main component of forages, is broken down by these microorganisms in the cecum to produce nutrients that are absorbed through the horse's colon. The Volatile Fatty Acids (VFAs) produced and absorbed in this process provide the horse with as much as 70% of its energy requirements, so it is important that all the beneficial bacteria are in place to provide the horse with its main source of energy.

The hindgut microbiome is delicately balanced between beneficial microbes and harmful bacteria, and this healthy balance can easily be damaged by several factors. This includes diet alterations (a change in feed or feeding patterns), environmental stressors (training, travel, competition, illness), and, as in humans, oral antibiotic use.

### WHAT ARE COMMON SYMPTOMS OF GASTROINTESTINAL AILMENTS?

A horse's overall health is reliant upon optimal functioning of the gastrointestinal (GI) tract. Therefore, external symptoms could indicate an underlying GI tract issue. This includes generally poor condition, inability to gain weight, dull coat, mild colic, and diarrhea.

The main goal of administering probiotics is to manipulate the normal intestinal microflora in such a way that is beneficial to the overall health of the horse, allowing their condition to improve.

### WHICH HORSES ARE MOST PRONE TO GASTROINTESTINAL AILMENTS?

Horses that have an unbalanced diet or are under stress are more likely to experience GI microflora imbalance.

If a horse eats more starch than it needs, it can quickly damage the growth of beneficial bacteria. When undigested starch from concentrated feeds reaches the hindgut, it fuels accelerated population growth among certain microbes, which results in greater volumes of lactic acid and a lower pH, killing off other good bacteria in the vicinity.

Similarly, if hours are spent with no grass or hay or the type of feed is changed without a gradual transition, it will alter the hindgut microflora.

Finally, stressors like training, travel, competition, and illness can wreak havoc on the hindgut microflora. If oral antibiotics are used to treat an illness by killing off bad bacteria, the good bacteria in the gut are inadvertently damaged. Therefore, it is recommended to administer a source of healthy probiotics during and after an antibiotic treatment.

**RETHINK** the products you use for them



### HOW DO YOU TREAT GASTROINTESTINAL AILMENTS?

The theory behind feeding probiotics is that adding in more of the beneficial bacteria needed for digestion will counteract digestive upset caused by an imbalance of bad over good bacteria in the hindgut.

A probiotic is defined as “a live microbial supplement which beneficially affects the host animal by improving its intestinal microbial balance.” In addition to producing many of the vitamins, amino acids and other nutrients the horse needs, the intestinal flora help keep potentially damaging bacteria under control. They do this in several ways, including colonizing the gut wall – by attaching themselves to the epithelium, they block spaces that might otherwise be occupied by invaders.

Prebiotics are ingredients that promote the health and growth of microorganisms already living in your horse’s digestive tract. Prebiotics essentially act as a food source for your horse’s existing gut microbes. Unlike probiotics, prebiotics for horses do not introduce new bacteria to the digestive tract.

## RETHINK **Revyve**

### WHAT IS REVYVE FOR?

Revyve is a Pre and Probiotic designed to maintain GI health during anti-microbial and gastrointestinal ailments.



### HOW DOES REVYVE WORK?

Revyve contains *Saccharomyces cerevisiae* fermentation product, a prebiotic that helps with the growth of beneficial bacteria already in the horses gastrointestinal tract, as well as *Saccharomyces boulardii*, a probiotic which has

been embedded into a protective proprietary matrix so that it can reach its desired destination within the GI tract without degradation in the stomach. Revyve also contains L-glutamine, an amino acid that improves GI tract healing.

The *Saccharomyces cerevisiae* fermentation product contains beta-glucans, mannan oligosaccharides and *Saccharomyces cerevisiae*. Beta-glucans are naturally occurring polysaccharides that have been known for thousands of years in Eastern Countries for their healing and immune-stimulating properties. The *Saccharomyces cerevisiae* and beta-glucan are a proprietary fermentation product that helps promote the growth of beneficial bacteria already in the horse’s gastrointestinal tract.

*Saccharomyces boulardii* has been shown to bind to certain toxin binding sites to decrease the severity of clinical signs in horses with acute enterocolitis. Revyve contains 10 billion colony-forming units (CFU) of *Saccharomyces boulardii* per scoop, because studies have illustrated that this quantity achieves the desired outcome without upsetting the bowel and incurring unnecessary product costs.

L-glutamine is the most abundant amino acid in humans as well as horses, and can be useful in maintaining tight junctions in the gut lining. While it is technically a nonessential amino acid, it can be depleted during times of stress. When the depletion is severe, supplementation of L-glutamine is required. Without it, horses can experience diarrhea, atrophy of intestinal villi, mucosal ulceration, poor nutrient absorption, increased toxin absorption, and even necrosis.

RETHINK Revyve

## DIGESTIVE SUPPORT

revyve

Revyve is designed to help prevent antimicrobial-induced diarrhea, as well as aid in the healing process of the gastrointestinal tract during recovery of a variety of gastric ailments.

Revyve contains the prebiotic, dried *Saccharomyces cerevisiae* fermentation product, to help with the growth of beneficial bacteria already in the horse's gastrointestinal tract.

Revyve contains the probiotic, *Saccharomyces boulardii*, and is stabilized and embedded into a protective proprietary matrix so it can reach its desired destination within the GI tract without degradation.

Revyve contains the amino acid, L-glutamine, one of the most important nutrients for a healthy digestive tract because of its ability to maintain the integrity of the intestinal wall.

Revyve can aid in faster recovery from an illness or infection, especially in horses who have received oral antibiotics during treatment.

Revyve can help reduce digestive upset in horses susceptible to chronic diarrhea and/or mild colic by stabilizing the microflora to promote a healthier environment in the gut.

Revyve has been thoroughly tested for banned substances across all FEI, USEF and racing jurisdiction guidelines.



**Ingredients:**

(Per level scoop): Dried *Saccharomyces cerevisiae* fermentation product (2850 mg), L-glutamine (2500 mg) and *Saccharomyces boulardii* (10 billion CFU).

**Directions for use:**

For horses less than 1300 lb: 1 level scoop (6 grams) orally twice daily

For horses more than 1300 lb or mares in late term gestation: 1½ scoops (9 grams) orally twice daily

**Available Sizes:**

0.8 lb (30-day supply for adult horse) - \$47.99 retail