

# Your Reputation is in the Bag

**What's inside a bag of feed when your customers open it can make or break your reputation.**

It's important to understand the unique challenges of keeping bagged feed fresh and nutritious. Common storage practices and environmental challenges can lead to spoiled feed, which can cause a host of animal health problems — and damage to your customers' trust in you.

The damage caused by spoiled feed goes beyond your reputation. The market loses millions of dollars in retail profit each year due to returned feed. **Implementing a mold inhibitor program is key to reducing this risk.** With research-backed lines of mold inhibitors, Kemin offers quality solutions to protect bagged feed from challenges associated with long-term storage.

## The effects of spoiled bagged feed

**Bagged feed stored for more than one month has a much greater chance of becoming moldy and going rancid** — which damages feed and nutritional quality. Spoiled feed can also contain mycotoxins, which are toxic compounds produced by certain types of molds.

### Mold and mycotoxins can negatively affect animal health, causing:

- Lowered immunity
- Oxidative stress
- Leaky Gut Syndrome
- Colic in horses
- Reduced feed intake and feed refusal

### Health issues lead to concerns, such as:

- Lowered nutrient absorption and impaired metabolism
- Reduced fertility
- Decreased weight gain
- Diminished milk production in cattle and small ruminants
- Lowered egg production in poultry

**Poor feed quality puts everyone's reputation on the line**



Feed mills



Veterinarians and nutritionists



Quality assurance personnel



Merchandisers



Retailers

## Feed can spoil in storage

Warehouses are seldom climate controlled and summer heat can often reach 50° C with 30-50% humidity, directly impacting feed quality. While poly-woven or poly-lined bags can provide a barrier against humidity and rain, they also create an enclosed environment for moisture migration inside the bag. These warm temperatures and the moisture in bags are ideal conditions for mold growth. This problem can be compounded when retailers buy truckloads of feed for seasonal sales, which may remain in storage for four to six months and spoil. Retailers and consumers can see similar problems when feed isn't properly rotated on store shelves with older feed brought to the front.

### Bags are the perfect environment for the three most common reasons for mold growth:

- 1 Heat:** Bagged feed can be exposed to heat during transportation and warehouse and on-farm storage, as well as from heating that occurs with mold and bacteria growth.
- 2 Moisture:** Moisture can become a problem in bagged feed because of humidity, improper storage, temperature fluctuations, exposure to precipitation, high-moisture ingredients and more.
- 3 Time:** Feed can sit in warehouses, on store shelves or on the farm for far too long.

## Kemin mold inhibitors can help protect feed

### Myco CURB® Liquid

Myco CURB® Liquid is a blend of organic acids formulated to inhibit mold growth in processed feed ingredients, complete feed and total mixed rations (TMR). It contains 65% propionic acid blended with sorbic and benzoic acids. This blend of acids inhibits the typical mold growth found in grains or processed grains during storage, handling and export shipments.

### Myco CURB® Dry

Myco CURB® Dry is a blend of three powerful organic acids. As with the liquid formulation, Myco CURB Dry contains antioxidants and surfactants to enhance the efficacy of the mold control.

### Feed CURB® Dry

Feed CURB® Dry is a dry mold inhibitor that uses a combination of four organic acids to inhibit the growth of mold and wild yeast in complete feeds and processed or flaked grains. Additionally, Feed CURB Dry helps prevent ration heating caused by fungal growth.

## Kemin value-added services make a difference.

**Kemin Application Services (KAS):** Without safe and efficacious application, it doesn't matter how good the applied product may be. That's why the KAS team **partners with you to develop and support custom application systems**, including designing, fabricating, installing, and providing on-site guidance for operation and safe handling. The team of experienced engineers and technical experts also provides ongoing maintenance services as needed.

**Customer Laboratory Services (CLS):** This team of experienced scientists provides dedicated laboratory support to **ensure Kemin ingredients meet your performance goals**. They partner with you and Kemin sales and technical service staff to provide chemistry and microbiology testing services.



Questions about mold inhibitors for bagged feed?  
Give us a call or visit our website at [kemin.com/ca-feed](https://kemin.com/ca-feed).

**1-800-752-2864**