

## HOW TO USE FLO-BOND

### INGREDIENTS

Hydrated sodium calcium aluminosilicate.

### FEEDING DIRECTIONS

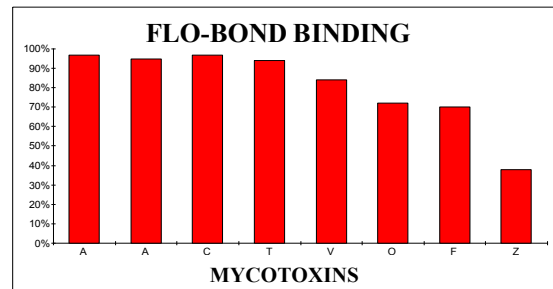
Blend of Flo Bond per tonne of complete swine or poultry feed. Blend 2 Kg of Flo Bond per tonne of grain mix fed to ruminants.

### WHAT ARE MYCOTOXINS ?

Mycotoxins are the result of mold growths in feeds or their ingredients. Mycotoxins usually occur in most grains like corn, wheat, oats, soybeans, sorghum, cottonseed, rye, and rice. The source may contain more than one mycotoxin. Even at low levels, when two or more mycotoxins are present, there may be a synergetic effect, resulting in the same or greater negative performance results vs. one mycotoxin at higher levels in the feed. Processing of feeds, or their ingredients, increases surface areas where mycotoxins are formed from mold growths. Feeds often have an increase in mycotoxin levels after processing, and increased mold growth..

## FLO-BOND EFFECTIVENESS

For many years we have collected laboratory and field test results. From these results we have compiled this chart to show the average binding ability of FLO-BOND with many common mycotoxins.



## FLO-BOND

Distributed by:



# BROOKSIDE FLO-BOND



**FOR FISH, BEEF,  
SWINE, POULTRY,  
PETS, DAIRY, AND  
HORSES**

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# FLO-BOND

## Feed and Feed Ingredient Additive

**FLO-BOND** is a select, high affinity sorbent Hydrated Sodium Calcium Aluminosilicate (HSCAS). **FLO-BOND** is used and tested worldwide when problems of mycotoxins, molds, caking, and flowability appear in feeds or feed ingredients. Mycotoxins, the result of mold growth, can be very detrimental to the performance of poultry, livestock, fish, and pets. The special ability of **FLO-BOND** to bind mycotoxins is proven. It is a safe to use (GRAS listed) ingredient for bird, animal, fish, and pet feeds.

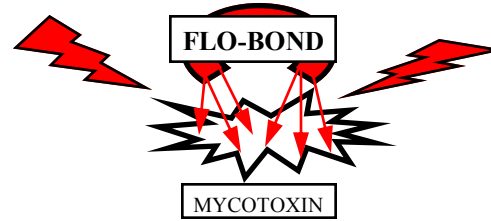
### PRODUCTION PROBLEMS FROM MOLDY, CAKED, FEEDS WITH MYCOTOXINS

- ◆ Reduced feed consumption.
- ◆ Lowered conception rates.
- ◆ Reduced milk production.
- ◆ Higher feed conversions.
- ◆ Longer periods to estres.
- ◆ High rates of abortion.
- ◆ Increased cost of gain.

## FLO-BOND'S MODE OF ACTION

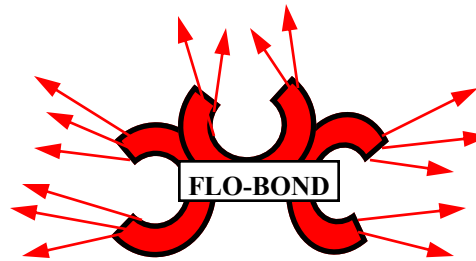
### 1. MAGNETIC ATTRACTION

Like a magnet, **FLO-BOND** binds mycotoxins and helps prevent their negative influence on animal performance.



### 2. PARTICLE SIZE

Due to it's unusual particle size, **FLO-BOND** offers more surface area to maximize binding of mycotoxins.

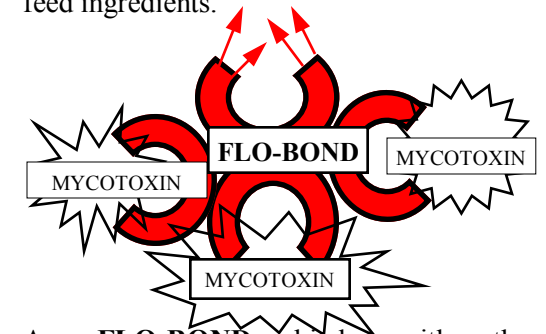


### 3. CATION EXCHANGE

This geology term is used to determine the ability of a material to exchange cations with another substance. (Binding) If an area for exchange is filled, the sorbent is not effective. **FLO-BOND** has the ability to bind or hold mycotoxins due to it's large number of areas open for cation exchange.

### 4. PORE VOLUME

**FLO-BOND** has an ideal pore volume for binding mycotoxins. It is very effective when a combination of different mycotoxins are present in mixed feeds, or feed ingredients.



As **FLO-BOND** binds with the mycotoxin, a much larger particle is formed. One theory is the new particle is larger and unable to pass thru the gut wall and then secreted with the feces. **FLO-BOND'S** action helps prevent mycotoxins from having their negative effects on the performance of birds, animals, fish, and pets.

## COMBINATIONS OF MYCOTOXINS

Seldom is just one mycotoxin present in a feed or an ingredient. The synergetic effects of two or more mycotoxins may be more damaging than those demonstrated by individual mycotoxins. It has often been assumed Aflatoxin was the most devastating mycotoxin. Today research has shown mycotoxins number in the hundreds, and are present in many different combinations.

**FLO-BOND IS EFFECTIVE WHEN MULTIPLE MYCOTOXINS ARE PRESENT.**