



TEXAS A&M  
**AGRICULTURE**

The Texas A&M University System

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**FEED INDUSTRY MEMORANDUM NO. 5-17**

**DISTRIBUTION OF AFLATOXIN - CONTAINING OILSEED MEALS/PROCESSED GRAINS IN COMMERCIAL CHANNELS AND THEIR USE IN MIXED FEEDS**

**OBJECTIVE:**

To provide instructions on how to implement the law (Chapter 141 of the Texas Agriculture Code) and rule (Chapter 61 of the Texas Administrative Code) including labeling, blending, and record of disposition regarding aflatoxin-containing processed feed ingredients used for animal feed purposes in Texas.

**BACKGROUND:**

Processed oilseeds and grains distributed in Texas fall within the definition of "Commercial Feed," Section 141.002 of the Texas Agricultural Code and Rules promulgated thereunder. Section 141.148(a)(6) "Distribution of Adulterated Feed" states in part that an offense is committed if a person distributes a commercial feed that contains or bears a poisonous or deleterious substance that may render it injurious to animals under ordinary conditions of use.

Aflatoxins are toxic by-products of mold growth on certain agricultural commodities; however, it has been recognized by the "Federal Food and Drug Administration" that levels of aflatoxin below 20 ppb are safe for use in animal feeds, but that aflatoxin above 20 ppb in the feed of certain animals might be harmful to the animal consuming the feed unless fed with some limitations and restrictions.

**POLICY:**

Guarantors must be licensed to distribute aflatoxin-contaminated commercial feed ingredients in Texas commercial feed channels under the following conditions:

1. For ground corn, ground grain sorghum, ground wheat, cottonseed meal, peanut meal and

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soybean meal containing  $\leq 300$  ppb when intended for feeds for finishing cattle in confinement.

2. The same ingredients containing  $\leq 200$  ppb when intended for feeds for finishing swine (more than 100 lbs. body weight).

3. The same ingredients containing  $\leq 100$  ppb when intended for feeds for breeding beef cattle and goats (whose milk is not processed for human use), breeding swine, mature poultry, sheep.

4. The same ingredients containing  $\leq 50$  ppb when intended for feeds for wildlife.

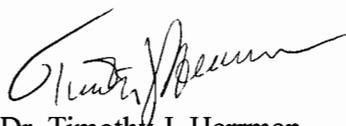
5. The same ingredients containing  $\leq 20$  ppb when intended for feeds for immature animals (including immature poultry) and for dairy animals, or when its destination is not known.

6. The same ingredients containing  $> 300$  ppb may not enter commerce for use in animal feed. A record of disposition of these commercial feeds shall be kept by the licensee to document that said commercial feed ingredients are not used in the manufacture of animal feed.

If a processed product is ammoniated or produced from ammoniated whole grain or oilseed, the product becomes an ingredient of its own and the label must state, in addition to the above, ammoniated (\_\_\_\_), declare the amount of equivalent protein from non-protein-nitrogen (NPN), and bear the warning statement "Feed to ruminants only."

The attached label format should be followed in designing a label to distribute aflatoxin-containing ingredients in any of the above first three categories.

If you have any questions, please feel free to contact this office.



Dr. Timothy J. Herrman  
State Chemist and Director  
Office of the Texas State Chemist

Attachments

## APPENDIX I

### PRODUCT NAME

This product contains  $\leq$  \_\_\_\_\_ ppb  
aflatoxin and can only be fed to  
\_\_\_\_\_ \*

Warning: Do not feed to lactating dairy cattle and  
lactating dairy goats.  
Not for human use.

### GUARANTEED ANALYSIS

Crude Protein	not less than	_____ %
Crude Fat	not less than	_____ %
Crude Fiber	not more than	_____ %

Manufactured By:  
Name of manufacturer  
Address of manufacturer  
City/State/Zip of manufacturer  
Net Weight

### EXAMPLE:

This product contains  $\leq$  100 ppb aflatoxin and can only be fed to breeding beef cattle and goats (whose milk is not processed for human use), breeding swine, mature poultry, and sheep.

**WARNING:** Do not feed to lactating dairy cattle and lactating dairy goats.  
Not for human use.

**\*Note:** Specific species may be selected from text, Policy 1-5, e.g., finishing cattle in confinement.

**APPENDIX II**

**EXAMPLE LABEL FOR PROCESSED GRAINS OR OILSEED MEALS**

**AMMONIATED** ( \_\_\_\_\_ ) PRODUCED VIA THE ( \_\_\_\_\_ ) PROCESS

(To Be Fed To \_\_\_\_\_ )

**Guaranteed Analysis:**

Crude Protein (minimum) \_\_\_\_\_ %  
(This includes not more than \_\_\_\_% equivalent  
protein from non-protein nitrogen.)

**WARNINGS:** Not for human use.  
Feed to ruminants only.  
Not for interstate shipment.

This product contained less than \_\_\_\_\_ ppb aflatoxin prior to ammoniation.

This product contains between \_\_\_\_\_ and \_\_\_\_\_ ppb aflatoxin after ammoniation as determined on \_\_\_\_ (date) \_\_\_\_.

Manufactured By:  
Name of manufacturer  
Address of manufacturer  
City/State/Zip of manufacturer  
Net Weight