



**Not All Binders Are Created Equal.**



Learn more about how AB20® can support your success by helping you manage your feed quality challenges.

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**Phibro**  
ANIMAL HEALTH CORPORATION

HEALTHY ANIMALS. HEALTHY FOOD. HEALTHY WORLD.®

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**AB20**®





### Reliable Performance. Consistent Quality.

Livestock feeds and moisture are two opposing forces that continually challenge feed manufacturers and livestock producers alike.

Feeds and grains are ideally stored with moisture concentrations of less than 13 percent, to help “compensate for non-uniform moisture concentrations throughout the grain mass” (Whitlow, 2005, Proceedings, Florida Ruminant Nutrition Conference, Gainesville).

Feed that has been stored at a high moisture level may have a reduced flowability, have the potential to cake and be more prone to increased mold growth. The real world is less than ideal, and feeds and grains exposed to moisture concentrations greater than 15 percent are more susceptible to mold contamination (Whitlow, 2005). Mold growth may lead to mycotoxin formation during manufacturing, storage, delivery and feeding of the animals.

#### Effects of adsorbents on aflatoxin contamination in pigs<sup>1</sup>

- 500 ppb aflatoxin-contaminated diet
- 4 week trial/initial weight - 9.66 kg

| Item      | DIET              |                     |                   |                        |
|-----------|-------------------|---------------------|-------------------|------------------------|
|           | Normal Corn       | Aflatoxin Corn (AC) | AC + 0.5% AB20    | AC + 0.5% Competitor A |
| ADG, kg   | 0.66 <sup>a</sup> | 0.46 <sup>b</sup>   | 0.61 <sup>a</sup> | 0.63 <sup>a</sup>      |
| ADFI, kg  | 1.41 <sup>a</sup> | 0.97 <sup>b</sup>   | 1.31 <sup>a</sup> | 1.44 <sup>a</sup>      |
| Gain/Feed | 0.47              | 0.47                | 0.46              | 0.44                   |
| AST, U/L  | 64                | 80                  | 57                | 55                     |
| GGT, U/L  | 49 <sup>a</sup>   | 85 <sup>b</sup>     | 45 <sup>a</sup>   | 47 <sup>a</sup>        |
| ALP, U/L  | 171 <sup>a</sup>  | 357 <sup>b</sup>    | 178 <sup>a</sup>  | 169 <sup>a</sup>       |

AST = aspartate aminotransferase; GGT = gamma-glutamyltransferase; ALP = alkaline phosphatase.

<sup>a,b</sup>Means with different superscripts within rows differ ( $P < 0.05$ ).

Adapted from Schell et al., 1993

**AB20<sup>®</sup> specialty product** is a bentonite adsorbent, containing hydrated sodium and calcium aluminosilicates, that reduces caking and flowability issues by binding moisture that is present in feed. Lower moisture in feed reduces the potential for mold growth—and lowering mold growth in feed improves its quality. This is important when you consider that some molds can produce a wide range of harmful mycotoxins.

The use of **AB20** helps reduce mold growth and mycotoxin contamination.

### Unique From the Start.

It all begins with our unique and proprietary sourcing to identify silicate deposits with the unique qualities of **AB20** that provide effective performance and excellent flowability—all at a low usage rate for enhanced value from the start.

To ensure you receive consistent and effective performance, we test **AB20** in both in vitro and **live animal research trials**, backed by our team of experts who provide extensive experience and strong technical knowledge for reliable on-farm support.

#### Performance Data of Weanling Pigs Fed Aflatoxin-Contaminated Diets and Clays<sup>1</sup>

| Afla (ppb)      | 0     | 800   | 800          | 800          | 800   | 800          |
|-----------------|-------|-------|--------------|--------------|-------|--------------|
| Product         | -     | -     | Competitor 1 | Competitor 2 | AB20  | Competitor 3 |
| <b>ADG, lb</b>  |       |       |              |              |       |              |
| Total           | 1.406 | 1.062 | 1.181        | 1.316        | 1.370 | 1.279        |
| <b>ADFI, lb</b> |       |       |              |              |       |              |
| Total           | 2.908 | 2.578 | 2.565        | 2.613        | 2.917 | 2.797        |
| <b>F:G</b>      |       |       |              |              |       |              |
| Total           | 2.067 | 2.434 | 2.173        | 1.986        | 2.132 | 2.188        |

Initial mean - 23.65 lb. All products included at 0.5% (10 lb/ton)

Adapted from Schell et al., 1993



While multiple solutions are available to help manage mycotoxins in your animals, only **AB20** offers the trusted partnership of **Phibro Animal Health Corporation**—with research-proven results to ensure healthy animals and a healthy bottom line.

For more information, contact your local Phibro representative or visit [www.pahc.com](http://www.pahc.com).

Trusted Partners.  
**Trusted Solutions.**

<sup>1</sup> NOTE: Information presented in this material has been adapted from:

Schell, T. C., M. D. Lindemann, E. T. Kornegay, D. J.

Blodgett and J. A. Doerr. 1993. Effectiveness of different types of clay for reducing the detrimental effects of aflatoxin-contaminated diets on performance and serum profiles of weaning pigs.

J. Anim. Sci. 71:1226-1231.