



Uniscope, Inc.

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Feed Mill Processing • Nutrition

Do you use lignin sulfonate pellet binders?

- **High Fat Pellets**
- **High Distillers Grains**
- **Range Cubes**
- **Horse Feed**
- **Blocks**



If so, call Uniscope today!

Lubrication • Moisture Repellency • Binding • Anti-Bridging

Super-Bind®...

your solution to poor pellet quality!

There are certain ingredients and feed rations that produce low quality pellets with excessive fines. Excessive fines are typically recycled back to the pellet mill lowering the actual production rate and increasing the fixed cost per ton of feed. With normal handling, soft pellets create fines in the bottom of feed bags and bulk trucks causing customer complaints, lost customers and reduced uptake by animals.

There are multiple processing tools and managerial practices to help reduce pellet fines. However, in many cases the fines problem cannot be overcome without the help of a good pellet binder. Lignin sulfonate pellet binders have been used for decades for these situations and **Super-Bind®** is one of the best.

Super-Bind® is used in high grain feeds, rations containing high amounts of dried distiller's grains, high fat horse feeds, range cubes, pressed blocks and other challenging rations.

HIGH GRAIN FEEDS

There are many poultry and swine rations that contain high levels of cereal grains and pellet quality can be a problem, especially in breeder rations. DDGS, vegetable oil or fat can be used as an energy source and these ingredients compound pellet quality problems. High pellet quality is important to increase animal uptake and to reduce waste.

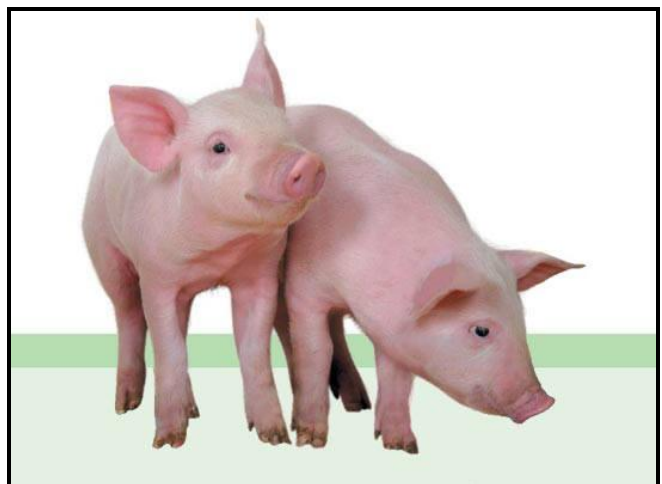
Compared to control rations, actual production tests have demonstrated that **Super-Bind®** can reduce fines off the pellet mill die as much as 9% and as much as 15% based on the KSU tumbling can method. Binder inclusion levels ranged from 8 to 12 lb per ton.

POWDER: **Super-Bind®** is a dry powder (50 lb bag and 2,000 lb tote) that is added at the mixing stage prior to pelleting. It can be used as a direct replacement product for products like **Ameribond 2X®** and **Pel-Tuff®**. Customers have been switching to **Super-Bind®** for over twenty five years with excellent results.

In most feed types, 8 to 12.5 lb per ton inclusion level of **Super-Bind®** is used as a general purpose pellet binder.

LIQUID: **Super-Bind®** is also available in bulk liquid. Typical inclusion levels are 10 to 40 lbs per ton of feed to be pelleted.

Super-Bind® is **MADE IN THE U.S.A** with domestic ingredients, packaging and labor specifically for use in animal feeds. We take pride in providing a quality product, with excellent service and technical pelleting support to our customers.



HOW TO PELLET DISTILLERS GRAINS

There is a growing trend for feed mills to use high levels of DDG and DDGS in pelleted feeds. Feed mills have discovered that pellets and cubes are much softer and shorter with higher levels of fines.

Producers typically do not like fines and many times customers will reject the finished product. Another problem with DDG pellets is they tend to get soft and fall apart shortly after production.

Contact Uniscope for a copy of HOW TO PELLET DISTILLERS GRAINS and how **Super-Bind**[®], in combination with certain processing techniques, can improve your quality.

HORSE FEEDS

There are many horse feeds that contain upwards of 9% fat and at these levels it is difficult to bind together a quality pellet. Often times, the pellets will crumble apart and arrive at the customer in poor condition. Customer complaints are common place and it is difficult to manufacture a consistent pellet.

RANGE CUBES AND PRESSED BLOCKS

It is important for range cubes to be hard and have good length. Bulk handling and feeding livestock on the ground require cubes to be durable or excessive shrink and waste will occur.

Compression, green strength and hardness are also important production considerations for pressed blocks.



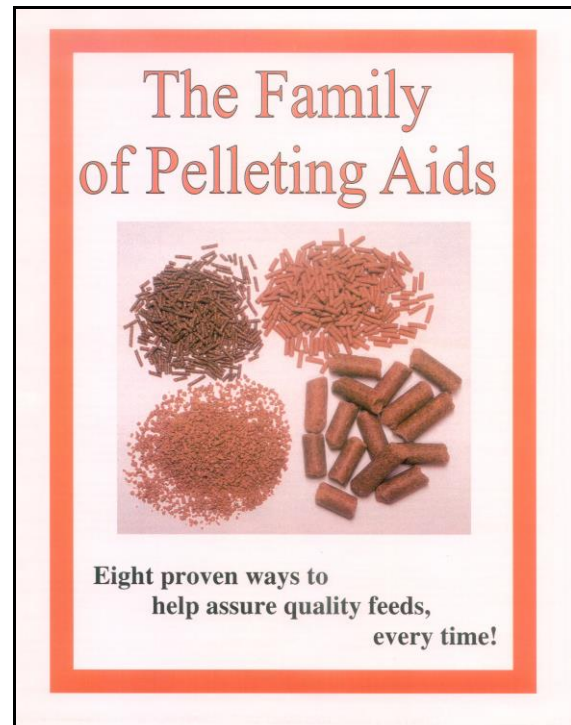
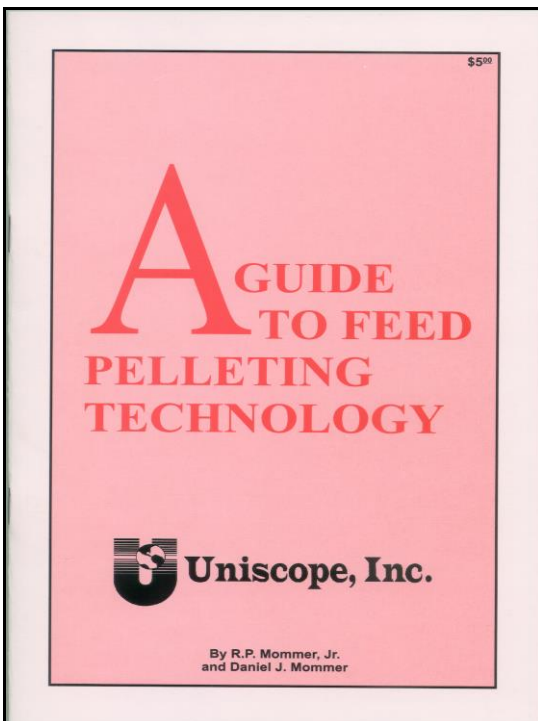
Super-Bind[®] is an excellent high fat pellet binder that can reduce challenging production problems in these rations. **Super-Bind**[®] can also hold high fat pellets together in hot conditions of the summer, preventing pellet disintegration.

The production and quality of range cubes and pressed blocks depend on the ingredients used, processing equipment, and conditioning. Contact Uniscope for a list of guidelines for ingredient selection and recommendations for processing.

***Call Uniscope and give Super-Bind[®] a try...
you won't be disappointed!***

www.uniscope-inc.com

- **Product Technical Booklets**
- **Samples for Testing**
- **Trouble Shooting Assistance**
- **Product Line Brochure** (binders, lubricants, anti bridging agents and water repellent minerals)



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Ameribond 2X® Registered Trademark Borregaard
Pel-Tuff® Registered Trademark Cra-Vac Industries