



BEAR RIVER ZEOLITE BRZ™

FLOW DRY FLOW AGENT

Flow Dry is a 100% natural volcanic mineral that absorbs moisture, oil, and other liquids and prevents sticking and bridging. It is a desiccant that holds the moisture in its crystal lattice and pore space unlike clays that become very sticky.

BENEFITS

Flow Dry is a flow agent for use with wet, oily, crystalline (urea) or other liquid mixes in:

- Animal feed bins
- Grain bins
- Truck beds
- Railroad hopper cars
- Cargo holds in boats
- Chemical bins such as urea

Prevent Mold

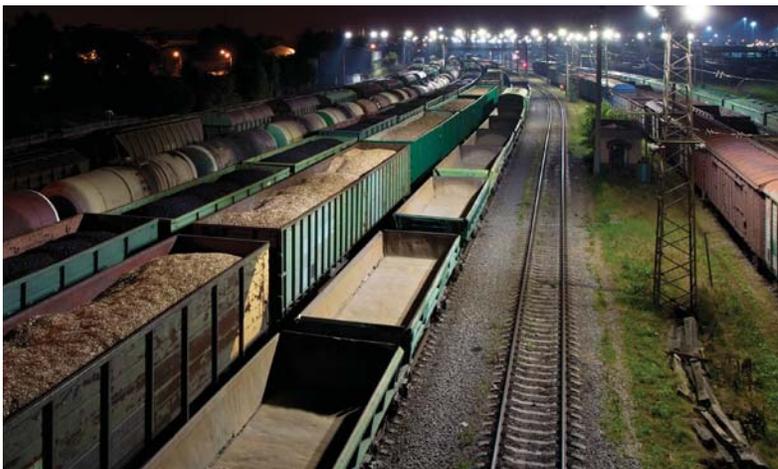
- BRZ™ has been found to prevent the build-up of mold in feed stuffs by drying them out.



Dry hay in pellets, cubes, compressed bales, dry distillers grain (DDG), and other products

HOW BRZ™ WORKS

- Due to its crystalline structure the overall surface area of BRZ™ is 24.9 square meters per gram. A 25 pound bag of BRZ™ has the surface area of over 60 NFL football fields.
- BRZ™ holds 55% of its weight in water.
- BRZ™ weighs approximately 55 pounds per cubic foot.
- Because of its purity, BRZ™ has a very high Cation Exchange Capacity of 190 to 220 meq/100 grams (as nitrogen, N⁻¹).
- BRZ™ has a hardness of 3 and will not alter its shape as it absorbs water.
- BRZ™ has little particle size attrition.
- By absorbing water and oils, BRZ™ lowers the surface tension of the fluid or liquid.
- By absorbing oils and fats BRZ™ lowers the coefficient of friction between the grains and sides of the storage vessel.



PRODUCT USE

Packaging	25 kg bags, 50 lb bags, 1 ton totes, and bulk
Particle Size (mesh)	-40

DIRECTIONS

Blend ½ to 2% by weight of BRZ™ into the material to be stored prior to placing it in a container.



FLOW TESTING

A Company in the rail and truck trans-loading business with silos and bins in the Coaldale and Picture Butte areas of Alberta have had flow problems with dry distiller's grain (DDG) and mill run pellets. This is a major beef cattle finishing area similar to the Amarillo area of Texas. The flow-ability was measured by placing the material in a glass bottle, packing it in the bottom of the bottle with a wooden hammer handle, then inverting and tapping the bottle to observe the flow-ability. The DDG, corn gluten (which is extremely sticky), and mill run pellets stuck to the bottom of the bottle and would not flow. BRZ™ was added, tested four times and showed positive flow-ability (see table below).

BRZ™ TESTS

Test	Water (grams / %)	DDG (grams)	Corn gluten (grams)	Mill run feed pellets (grams)	-40 mesh BRZ™ (grams / %)	Results
1	26.2 / 3%	866			866 / 1%	The material flowed like water
2	109 / 12.5%	866			866 / 1%	The material flowed like water
3	26.2 / 3%		866		866 / 1%	The material flowed like water
4	38 / 4%			866	866 / 1%	The material flowed like water

CONCLUSION OF TESTING

The BRZ™ is a very effective flow agent when used in minor quantities due to it being a desiccant that adsorbs other oils and liquids. A small amount of BRZ™ reduces or eliminates DDGS cure time. **Reduced drying time increases profitability.**