



Moisture Control in Dried Distillers Grain Processing: Essential to Success Increase Profits with Near-Infrared Moisture Control

Moisture is important in any manufacturing process, but when it comes to DDG, hog fuel, waste fiber, wood chips, pellets, saw dust, shavings, corn, plant materials and forest waste, excess moisture can ruin products. And what is worse than a wasted effort? Economical losses and decreased productivity.

Moisture content is an essential aspect when conditioning feeds. When conditioning the most common target moisture contents at conditioner discharge is between 15-17%. Too much moisture can plug the pellet mill. It is suggested that pellets need to achieve final moisture content below 13% to be safe for storage.



Proper conditioning prior to pelleting has several potential benefits, including increased pellet durability index, increased starch gelatinization and protein structures, which improves the binding of the ingredients, potential pasteurization, and the destruction of some insect eggs.

Near-Infrared IR3000 Series

Non-contact and insensitive to material variations such as particle size, material height & color, MoistTech's IR3000 moisture sensor provides continuous, reliable readings with zero maintenance and a one-time calibration. Reduce downtime, start-up time, waste, and energy costs by monitoring the moisture levels at every stage of the process. When one measurement is out of tolerance, a quick automatic or manual adjustment can be made to keep things moving correctly before costly time is lost, and waste is produced.



The renewable energy moisture sensor should be installed to a sturdy support over the conveyor or processing line. Distance should range, on average, eight inches from the product. By installing sensors in this fashion, the sensor can administer continuous readings during the entire mineral creation process. This guarantees continuous monitoring of the process, which can be controlled manually or automatically.

By installing the sensor on a screw conveyor or at the exit of the dryer, a manufacturer can continuously monitor the process and can control the moisture content either manually or automatically instantly. Typical accuracy is about $\pm 0.1\%$ moisture. Typical analog range is 0-10% moisture and up to as much as 40%, subject to application. The outputs can be adjusted to optimize PLC or recording requirements.

Contact our office for more information or a **FREE QUOTE** for your specific application:

info@moisttech.com or +1 941-727-1800