



Moisture Measurement in Fertilizer

Fertilizer manufacturing requires the operator to maintain the correct moisture levels throughout the process, to ensure a quality final product. Eliminate wasted product, downtime, out of spec material and increased purchase pricing due to excess water weight.

MoistTech utilizes near-infrared (NIR) technology that allows for a non-contact solution to provide accurate moisture content readings. Insensitive to material variations such as particle size, material height & color, the sensors provide a continuous, reliable reading with zero drift and no maintenance. There is a one-time calibration with a non-drift optical design allowing operational personnel to make immediate line adjustments based on real-time measurements.

Immediate ROI is achieved with proper moisture measurement and control as the overall efficiency of the plant increases with the seen savings. Testing fertilizer moisture throughout the process also provides manufacturers cost savings in energy and fuel costs, as well as having less product waste.

With continuous NIR online moisture testing, manufacturers can monitor moisture levels which they in-turn can precisely control their dryers to optimize the production process with minimum energy usage.

INSTALL

The on-line sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed onto an external display or PC.

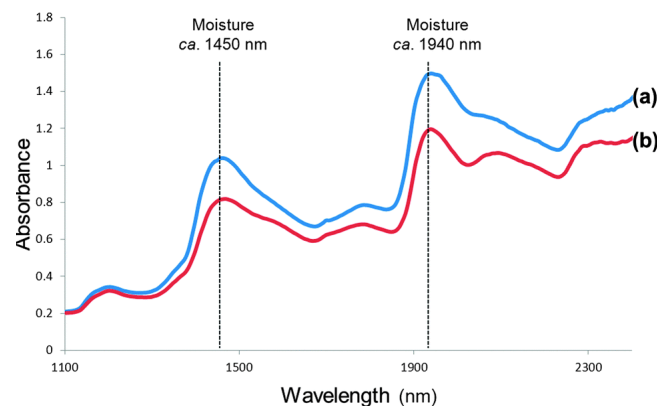
Multiple units can be placed throughout the process to ensure total product control and accuracy. Increasing the product quality and maintaining huge cost savings.

Installing a moisture measurement and control system prevents bad product due to undesirable moisture levels. Fine tuning the setup and process of the manufacturing line allows for instant improvements both in the product and in the efficiency in which it is produced.

IMMEDIATE BENEFITS:

- Improved Product Quality
- Lower Waste & Energy Costs
- Process Optimization
- Increased Plant Efficiency
- Dryer Control
- Reduced Downtime

An ideal moisture control system accurately detects the moisture levels at different stages of the process, is easily maintained and has the ability to withstand even the harshest of manufacturing conditions. The IR-3000 series of sensors manufactured by MoistTech are specifically designed to be unaffected by ambient light or material variations to be able to provide continuous, repeatable, accurate readings to improve the manufacturing line and product.



“The addition of the MoistTech IR3000 has provided me with the ability to control our process by instantly increasing or decreasing material flow into the dryer. Prior to the MoistTech technology proved to be a guessing game and time consuming!”