

Conditioning Quality

A Samuel Jackson Publication

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High Gas Prices Increase the Popularity of the Moisture Mirror II

On the heels of two hurricanes that devastated the United States natural gas production in the Gulf of Mexico, the 2005 ginning season was met head-on with fuel prices that have rarely been seen in



the past. The Auto-Drying Index feature on the Moisture Mirror II increased demand for a product line already made popular by the Moisture Mirror I, introduced in 2001. This feature allows the ginner to set a target after-drying moisture to further address the concerns of excess fuel consumption and poor fiber quality due to over-drying. After the initial successes of this new feature, the Auto-Drying Index is certain to be included on the soon to be available Moisture Mirror III.

Steamroller Benefits Go Beyond "Weight in the Bale"

Contrary to popular belief, the Steamroller was not solely designed for adding moisture to the

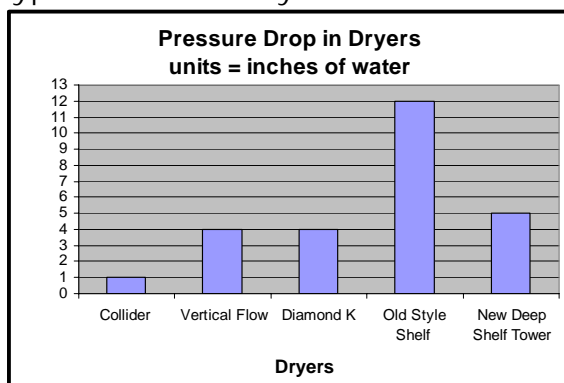
bale to increase profits for growers. At Samuel Jackson, our products have always pursued fiber quality and gin profitability as our main areas of concern. The principal design goal of the Steamroller was to address the increased demands of a modern high-capacity press by boosting its speed and reducing its operating pressures. We are proud to say that ten years since its inception, many Steamroller customers report capacity increases of up to three bales per hour and pressure reductions of 50 percent.

Something else that may surprise you about a Steamroller is that it uses 50 percent less fuel when compared to a moisture condenser supplied with the same model Humidaire. Many wonder how this is possible with the same Humidaire Unit. The difference is in the air volumes it takes to run each applicator. A properly set up moisture condenser requires 3,500 CFM of moist air, while a Steamroller requires only 2,400 CFM. The fuel savings coupled with the increased capacity make the Steamroller the most cost efficient unit on the market today. But don't let the Steamroller's efficiency fool you; it offers the highest, safest, and most consistent moisture restoration of any device available.

Please refer to our online benefit calculator to see how your gin can profit from a Steamroller today.
http://prodcd.samjackson.net/benefit_calculators.htm

Energy and Narrow Margins Bring New Focus to Collider

Moving cotton through a gin is sometimes compared to moving paper money through a processing system, with the goal to move the most money from the inlet to the outlet without choking the machinery or damaging the currency. Every device in a cotton drying system is a potential point of resistance to cotton (money) flow. Perhaps this explains why the most profitable gins in the world pay a lot of attention to reducing resistance points in their cotton drying process. One of these points is the dryer. When resistance in the drying process is reduced, the gin wins two ways. From the moment the fans are started, horsepower is reduced substantially, minimizing operating expense. As bales per week are tabulated, it becomes obvious that the flow of cotton (money) from inlet to outlet is enhancing income. Most gin accountants will agree that a single solution that reduces expense and enhances income goes a long way toward explaining why the most profitable gins are the gins that pay attention to drying system resistance. See the graph here for a comparison of flow resistance through different types of cotton dryers.



Many ginners tell you, when cotton conditions are dry, the main reason they run heaters is to take care of surprises as a form of insurance. A new development in the 2005-06 gin season that has effectively addressed this problem is SimpleShed Technology. SimpleShed is a feature that allows Samuel Jackson heaters to be “shed” or turned off according to user-defined moisture thresholds set within the Mirror II. The SimpleShed Technology puts the heater on standby and safely relights it within seconds when needed. This technology also fits the user who prefers independent stages of drying. Up to eight different heaters can have their own individual threshold parameters. SimpleShed is available on 14-series Sam Jackson heaters when coupled with the Moisture Mirror II. Already own a 14-series heater? It is easy and economical to activate this feature in your existing heater controls. With today’s fuel costs, “How much fuel can you afford to waste?”



You're in control.

If you have any questions, comments, or suggestions please feel free to contact:

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