



World Provider Innovative Heating Solutions

Agricultural Environmental Control Companies Partner with L.B. White

to Provide Patent-Pending Automatic Variable Rate Heat
for Increased Efficiency, Fuel Cost Savings

November 6, 2013 – ONALASKA, WI – L.B. White Company, a leading global manufacturer of agricultural heating solutions, is partnering with environment control companies to deliver automatic variable rate heat for hog buildings and poultry pullet houses. Maximus Control Systems and Dicom USA are the first two environmental control manufacturers to upgrade their hardware and software to manage the patent-pending L.B. White automatic variable rate heat technology. Additional environmental control companies are currently in process of upgrading their systems.

Automatic variable rate heat technology produces only the amount of heat required to reach and maintain temperature within 0.5° to 1.0°F of a temperature set point in swine and poultry environments. The system automatically modulates btu output when there is a demand for heat, whereas traditional on/off controlled heaters run at 100 percent of maximum btu output every time there is a call for heat.

“Integrators and growers are adopting automatic variable rate heat for two reasons; heat management efficiency and input cost reduction,” said Marcus Schmitz, Product Marketing Manager at L.B. White Company. “With controls that operate variable rate heat you can see the percent of heater btu output adjust as needed to meet the demand for heat. Once room temperature stabilizes, box heaters and brooders run at a rate significantly less than 100 percent btu output—that’s when you begin to realize tangible cost savings.”

On start up in a cold room, the proportional gas valve in box heaters and the automatic zone panel for brooder heaters receive an analog signal from the environmental house control. The signal received is based on an average reading from temperature sensors in the room. The system then automatically modulates btu output to stabilize temperature in the swine building or pullet house. Automatic variable rate heaters can operate at firing rates as low as 25 percent of maximum output. If minimum output is maintained for 90 consecutive seconds, the heater will automatically shut off.

To learn more about automatic variable rate heat, visit www.lbwhite.com/products/swine-heaters/smart-sense-heating-system/. Environmental control manufacturers should be contacted directly for more information about hardware and software availability.

About L.B. White Company (www.lbwhite.com)

L.B. White Company is a leading global manufacturer of agricultural heating solutions including forced air heaters, radiant heat brooders, portable heaters, and tube heaters for pig and poultry buildings. Since 1952, L.B. White has provided heating solutions for agricultural equipment distributors, pig and poultry integrators, hog producers and poultry growers worldwide. The company is privately held and headquartered in Onalaska, Wisconsin.