

Journal of Dairy Science Interpretive Summary
February 2008 (91:0840–0846)

Short Communication: Genotype by Environment Interaction Due to Heat Stress. By *Bohmanova et al.*, page 840. Test-day milk yield records of US Holsteins were analyzed by using 2 test-day models with or without including the effect of heat stress. The analyses involved US national data and data only from the southeast and the northeast regions. The proportion of records under heat stress was 10% nationally, 7% in the northeast, and 27% in the southeast. The effect of heat stress accounted for a small fraction of differences between regional evaluations. Estimated breeding values for heat tolerance were similar across regions for sires with a large number of daughters.