Short Communication: Changes in the Association Between Milk Yield and Age at First Calving in Holstein Cows with Herd Environment Level for Milk Yield. By Ruiz-Sánchez et al., page 4830. Although most studies have focused on genotype by environment interaction effects for milk yield of Holstein cows, there is little information on how selection response for fitness traits and their genetic associations with milk yield may change across herd environments. This information is important to farmers, and our findings provide insights to understand the variable results regarding the values of these genetic parameters in the literature. Genetic association between milk yield and age at first calving was generally favorable but it was stronger in those herds with an intermediate environmental level of management and weakest in herds with low environmental level. Accordingly, the expected correlated response in age at first calving to selection for milk yield was greatest in intermediate environments.