



DAIRY SCIENCE 2007

Meeting the challenges for pasture-based dairying

Genotype by calving system interaction for milk yield traits and calving interval in Holstein-Friesian cattle

Short title: genotype by calving system interaction

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Is genotype by calving system interaction important?

Milk yield and calving interval (fertility) were analysed to test for the presence of genotype by calving system interaction

Genotypes are bulls that had progeny which produced in

- Split,
 - Year-round and
 - Seasonal
- } production environments

No evidence for genotype by calving system interaction

- **Most bulls ranked similar across calving systems**
- **A few bulls showed a moderate level of re-ranking**
- **Farmers could use ABVs without worrying about genotype by calving system interaction**