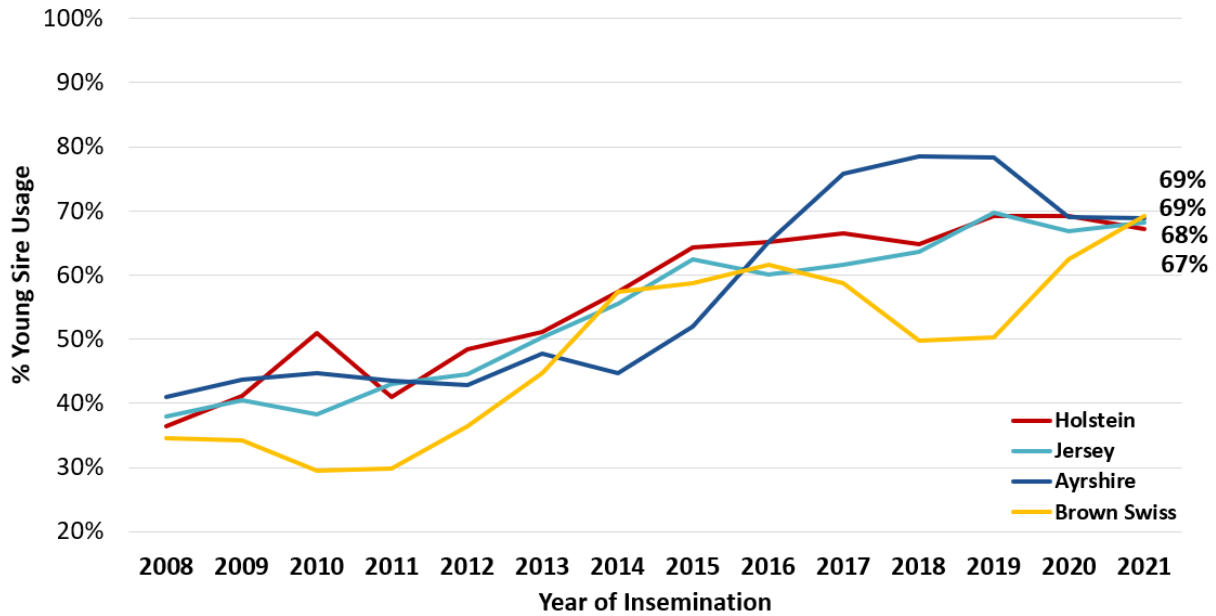


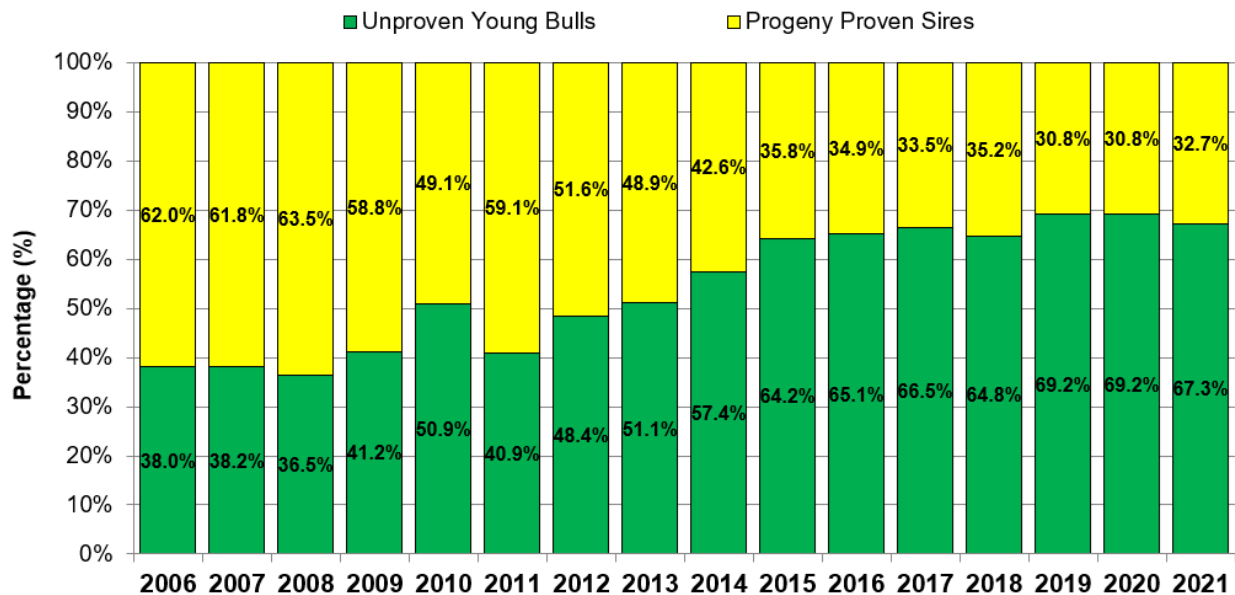
Trend in Genomic Versus Proven Sire Usage

Each year, Lactanet updates the young sire market share and the trend in the use of genomic young bulls versus proven sires for Holstein, Jersey, Ayrshire, and Brown Swiss. See the plots below for a 2021 update.

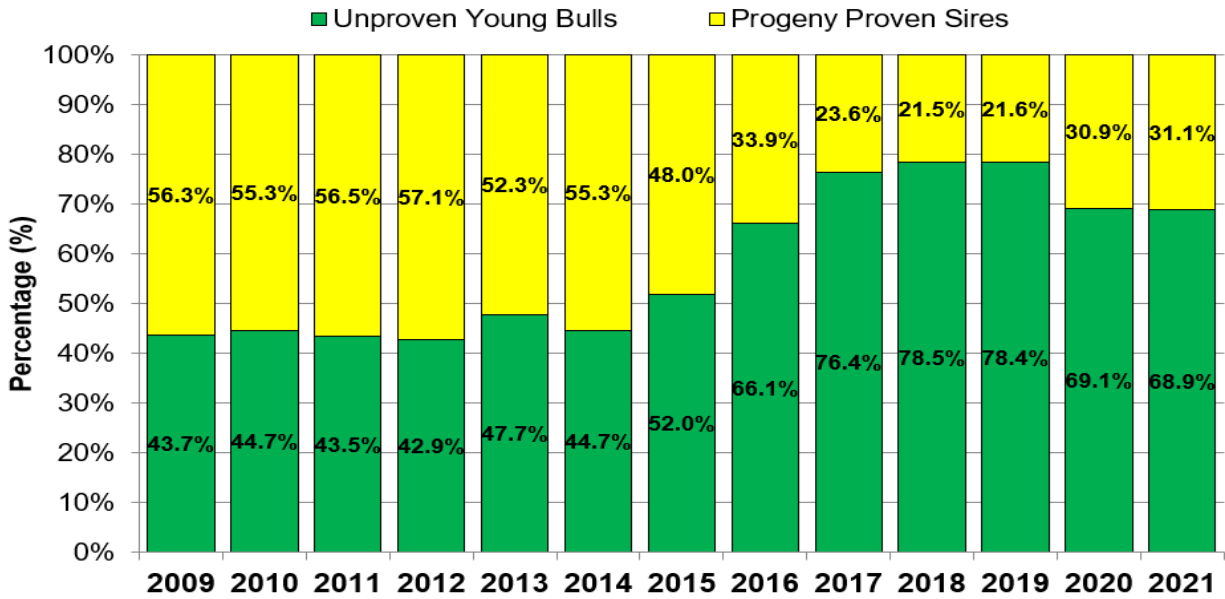
Trend in Young Sire Market Share



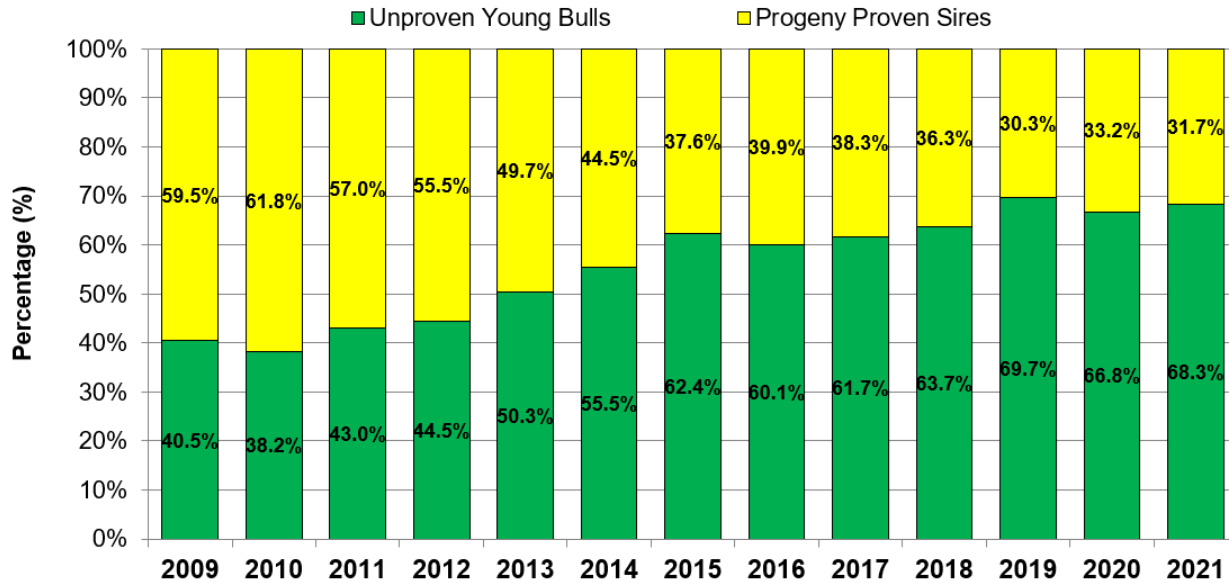
Trend in Usage of Young Bulls Versus Proven Sires - Holstein



Trend in Usage of Young Bulls Versus Proven Sires - Ayrshire



Trend in Usage of Young Bulls Versus Proven Sires - Jersey



Trend in Usage of Young Bulls Versus Proven Sires - Brown Swiss -

