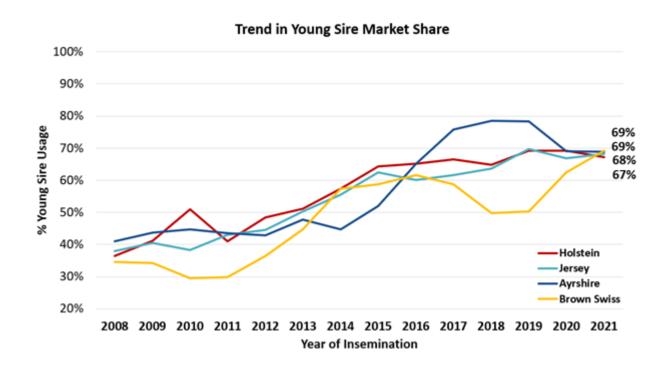


Trend in Genomic Versus Proven Sire Usage

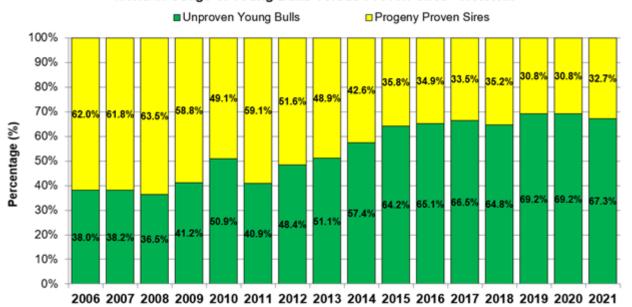
June 6, 2022

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.

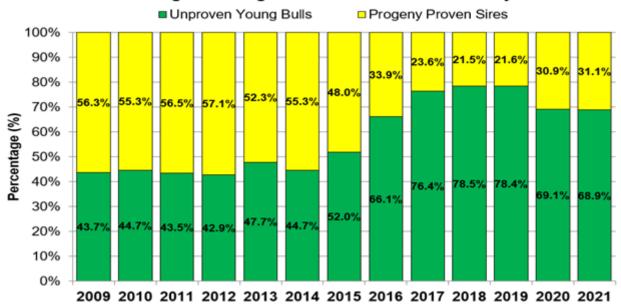
See the plots below for a 2021 update.



Trend in Usage of Young Bulls Versus Proven Sires - Holstein



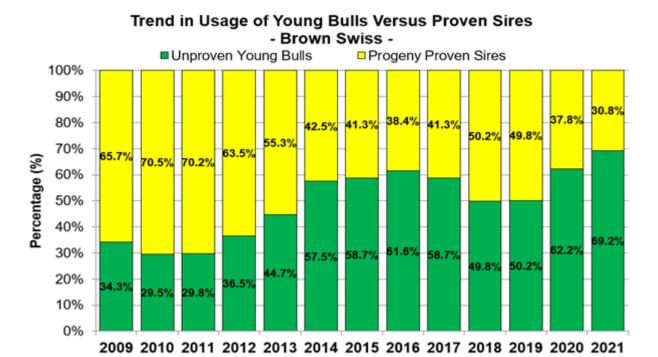
Trend in Usage of Young Bulls Versus Proven Sires - Ayrshire



Trend in Usage of Young Bulls Versus Proven Sires - Jersey Unproven Young Bulls Progeny Proven Sires 100% 90% 30.3% 33.2% 36.3% 80% 38.3% 44.5% 49.7% 55.5% 57.0% 70% Percentage (%) 61.8% 60% 50% 40% 69.7% 6.89 68.3% 63.7% 30% 0.1% 55.5% 50.3% 43.0% 20% 10%

2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

2020 2021



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