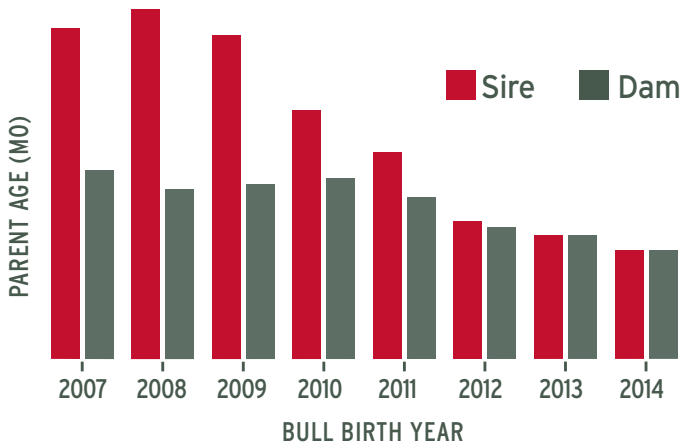
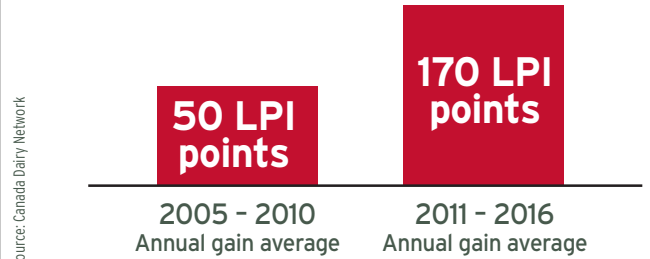


GENERATION INTERVALS REDUCED



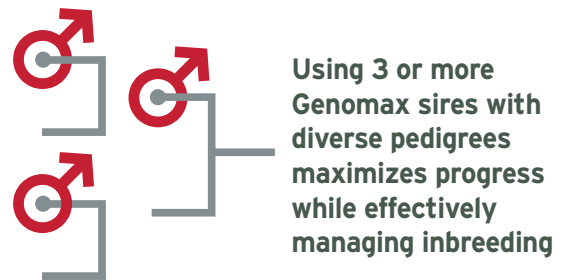
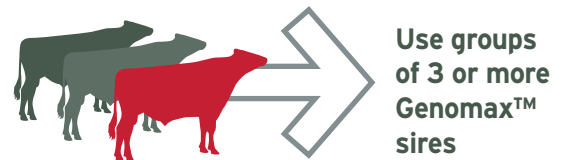
Parent Ages of Marketed Bulls. Source: Paul VanRaden, USDA, 2016

DOUBLE THE GAIN

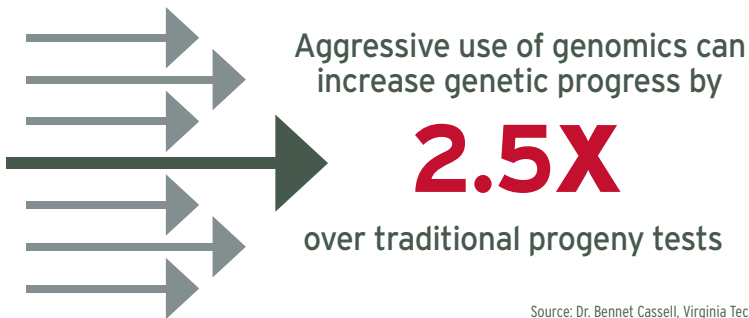


Source: Canada Dairy Network

GUIDING PRINCIPLES

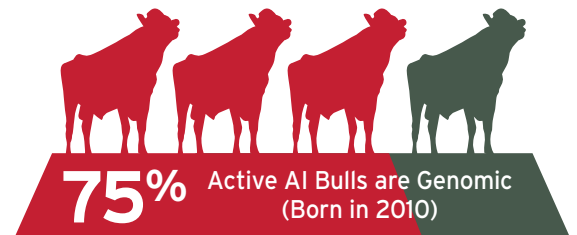


RAPID GENETIC PROGRESS



Source: Dr. Bennet Cassell, Virginia Tech

MAJORITY OF ACTIVE AI SIRES ARE GENOMIC



Presented by John B. Cole, USDA, October 2016

SEMEX TARGETS



Leading Genetics

THE SEMEX DIFFERENCE