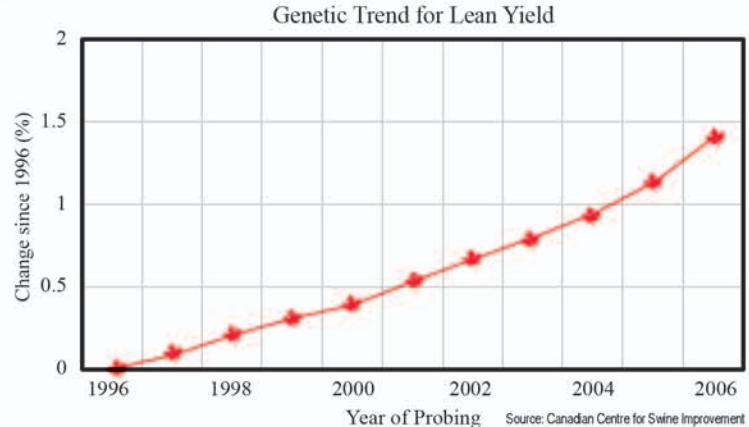
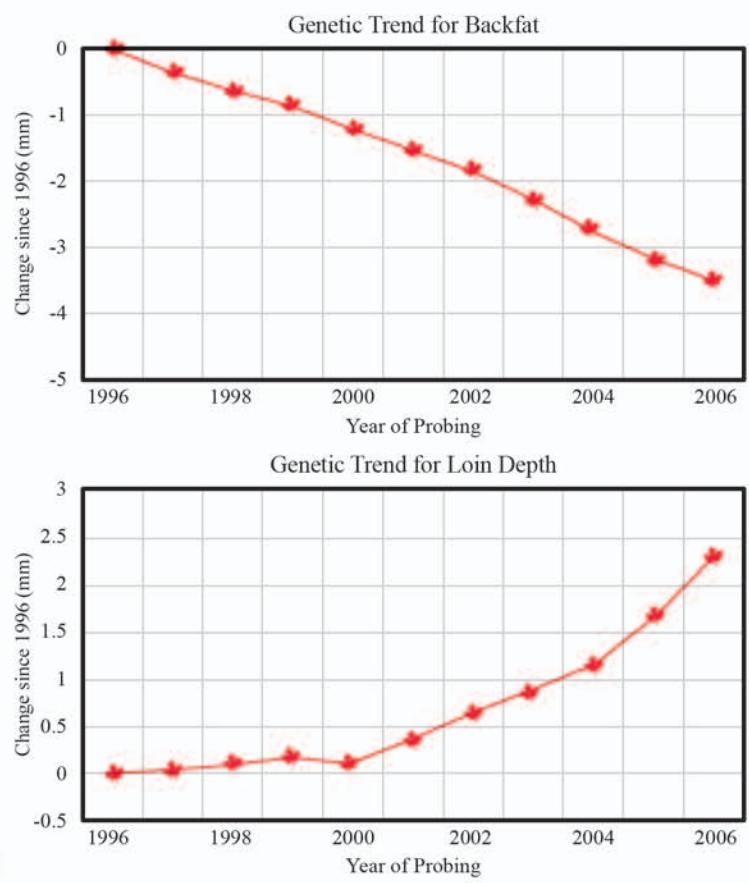
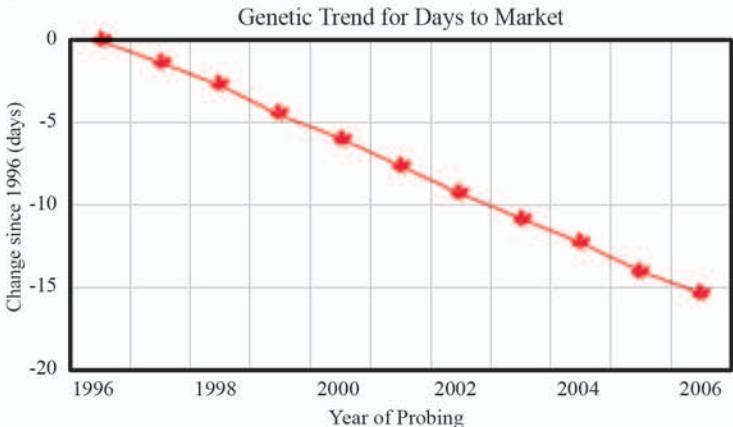


# Canadian DUROC



The Canadian Duroc is used as a terminal line to produce market hogs with consistently high quality meat and carcasses. Progeny from Duroc sired pigs have a high percentage of lean meat and superior meat quality characteristics including color and marbling. Maximum hybrid vigor is achieved when Duroc boars are crossed with the Canadian F1 Yorkshire x Landrace female line producing positive results in various traits, including growth and viability. This cross also produces highly uniform progeny, ideal for the slaughterhouse. The Canadian Duroc is very efficient at converting feed to meat, with excellent growth rates. It is also exceptionally adaptable to all types of environmental conditions. Studies have proven that the Duroc breed produces the best carcasses in today's pork production industry. It is the most popular terminal line in the Canadian breeding program today and a key ingredient in Canada's very successful pork export sales. Many of the Duroc breeding lines found in the leading pig producing countries originate from Canada.



Source: Canadian Centre for Swine Improvement

# *Canadian* GENETIC IMPROVEMENT AND HEALTH



*Canadian breeding herds participate in advanced genetic evaluation, improvement and selection programs. Specific emphasis is placed on enhanced maternal performance and productivity; high lean yield, growth, feed efficiency as well as carcass and meat quality characteristics. Performance testing of pigs first began in Canada in 1928 and in 1985 Canada developed the first national swine genetic improvement program using "Best Linear Unbiased Prediction" (BLUP) technology. In 1995 the national swine genetic improvement program in Canada was privatized and today is managed by the world renowned Canadian Centre for Swine Improvement Inc. (CCSI). Through this program, Estimated Breeding Values (EBV's) are generated for various economically important characteristics including growth rate, back fat, litter size, lean yield, loin size, loin depth and feed conversion in order for breeders in Canada to make effective and unbiased selection decisions. Today, an increasing emphasis is also being placed on molecular genetic technology in swine genetic improvement and selection programs in Canada.*

*Canadian pig breeders are dedicated to providing swine breeding stock of the highest health status by means of high health production, strict herd monitoring and bio-security programs. Canada is free of most of the major swine diseases found in other pork producing countries and can export to most pig producing countries. All swine breeding stock and genetic material exported is serology tested, certified and approved prior to export by the Canadian Food Inspection Agency to verify that all shipments meet the sanitary requirements of the importer's country. All pig breeders and producers in Canada participate in the Canadian Quality Assurance Program in order to guarantee the quality of pigs being slaughtered as well as the quality of the pork meat processed and sold to consumers, both in Canada and for export.*



*Canadian*

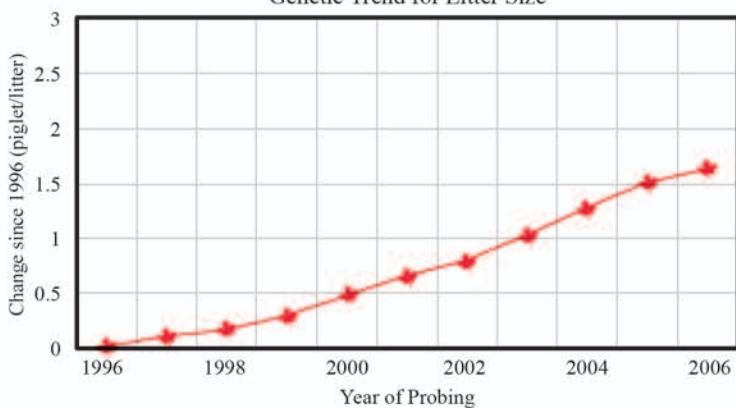
# LANDRACE



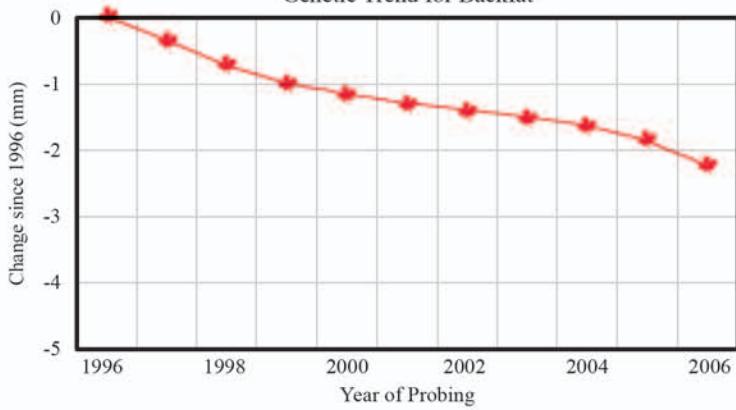
The Canadian Landrace is the most prolific breed of swine found in Canada. When the Canadian Landrace is crossed with the Canadian Yorkshire, the best possible commercial female line is produced. The Canadian Landrace female, used in purebred and crossbreeding programs, is well known for its excellent maternal abilities, temperament, longevity and prolific reproduction. The boars are dependable breeders and have an excellent temperament, making them easy to work with. The Canadian Landrace has been rigorously selected for strong feet and legs to make it very durable and adaptable to a variety of management and climatic conditions. This breed is also highly desired for its average daily gain, feed conversion and leanness. The Landrace is a well-muscled white breed noted for its length, high quality carcass, and high percentage of lean meat.



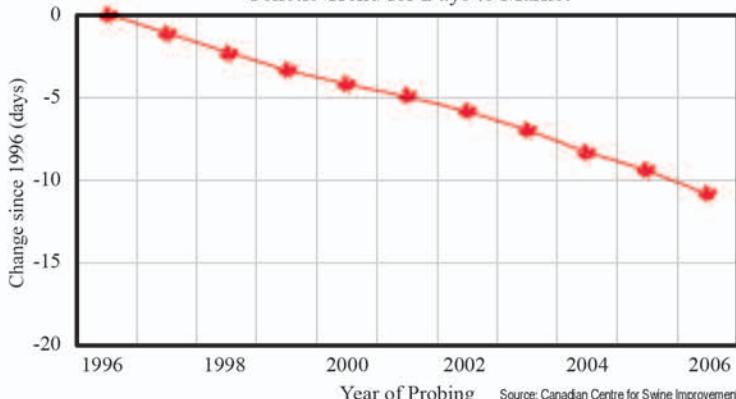
Genetic Trend for Litter Size



Genetic Trend for Backfat



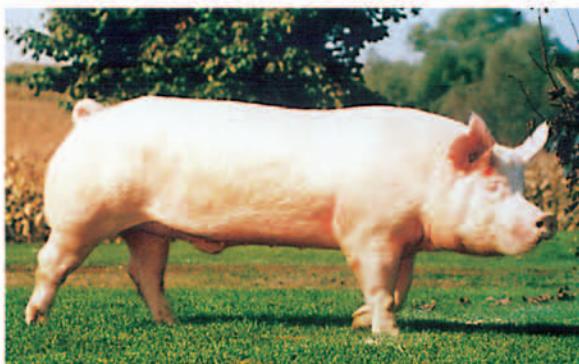
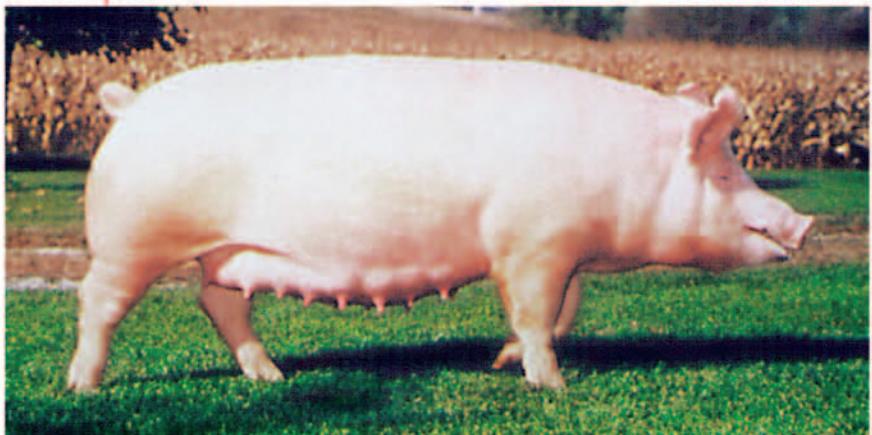
Genetic Trend for Days to Market



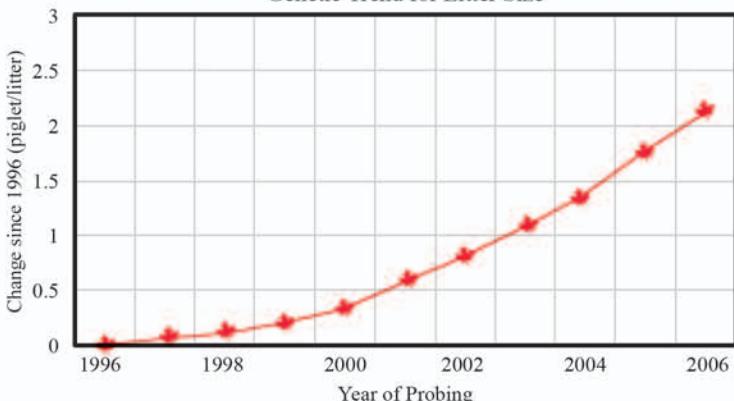
Source: Canadian Centre for Swine Improvement



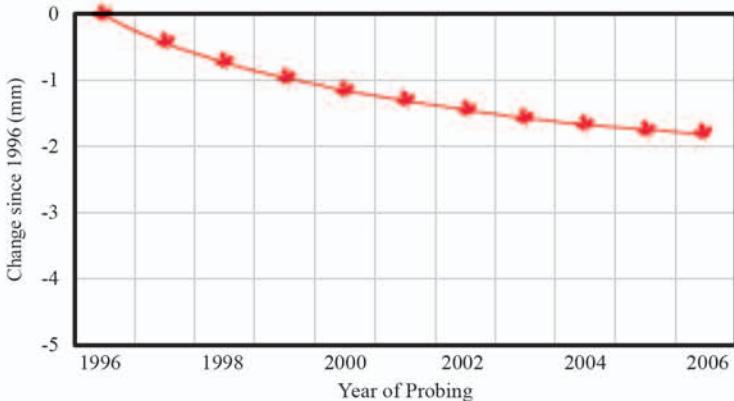
The Canadian Yorkshire (or Large White) is the most popular breed of swine in Canada. The Canadian Yorkshire crossed to the Canadian Landrace produces a highly prolific hybrid F1 female for use in commercial production. Canadian Yorkshire provide excellent economic returns due to their characteristics of proven leanness, growth rate, feed conversion efficiency and undisputed prolificacy, that have been enhanced through selection and genetic evaluation programs. Males are virile and aggressive breeders, while the females are known for their milking ability and for farrowing large litters of strong, vigorous piglets. With its high carcass quality, the Canadian Yorkshire plays an important role in maintaining consumer demand for high quality pork. Canadian Yorkshire are internationally recognized as being lean, fast growing and highly adaptable, without sacrificing its excellent maternal traits and capabilities.



Genetic Trend for Litter Size



Genetic Trend for Backfat



Genetic Trend for Days to Market

