



# The Canadian Swine Improvement Program



## Canadian Centre for Swine Improvement (CCSI)

The Canadian Swine Improvement Program provides participating breeders and breeding companies with a complete selection system that can be adapted to each organization's facilities and objectives, and has a proven track record for producing rapid genetic progress. Some of the program's features include the following:

- ! One of the largest genetic bases in the world (5,000 Yorkshire, 3,000 Landrace and 1,700 Duroc sows).
- ! First rate ultrasonic accreditation program to ensure accurate on-farm recording.
- ! Genetic evaluation system based on state of the art methodology to permit accurate selection for growth rate, lean yield, loin eye area, feed efficiency and litter size.
- ! Evaluation of genetic linkages across herds to facilitate the selection of genetics from over 150 herds.
- ! On-line access to up-to-date genetic information on more than 2 million pigs, with 100,000 new animals tested per year.
- ! A vast array of on-line technical information ranging from general advice on selection methods, to lists of top animals for each breed and trait, to specific herd statistics for your eyes only (inbreeding, rate of genetic progress for economically important traits, planned matings, and more).
- ! Access to the expertise of four geneticists, with a combined experience of more than 50 years in applied livestock selection, and to various specialists for key areas of the program (ultrasonic measurements, commercial testing, carcass and meat quality, etc...).
- ! Extensive research program to support new developments in traditional and molecular genetics.

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