



Canadian Dairy Lab Network

2008 ICAR Session with North American Lab Manager's Association



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Valacta, Montreal, Quebec, Canada

CANADIAN DHI



Snapshot of Dairy Canada



2008-01-01

- 988,500 dairy cows
- 14,660 dairy farms



- 12 dairy laboratories

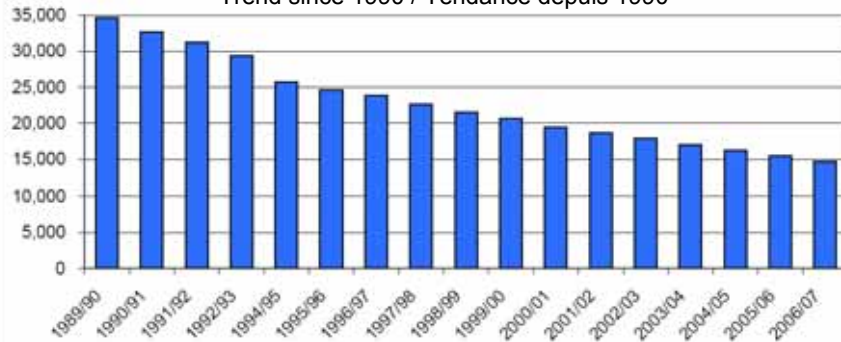


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**NUMBER OF FARMS WITH SHIPMENTS OF MILK OR CREAM FOR YEAR ENDING JULY 31/
NOMBRE DE FERMES EXPÉDIANT DU LAIT OU DE LA CRÈME POUR L'ANNÉE SE TERMINANT LE 31 JUILLET**

YEAR/ ANNÉE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	CANADA
2006/07	615	692	243	455	4 688	7 162	254	279	234	38	14 660
2005/06	641	720	259	495	5 057	7 508	258	297	246	41	15 522
2004/05	667	749	278	530	5 346	7 757	277	314	265	41	16 224
2003/04	679	776	294	555	5 641	8 054	285	344	301	41	16 970
2002/03	691	820	318	583	6 013	8 502	302	345	316	41	17 931

Trend since 1990 / Tendence depuis 1990



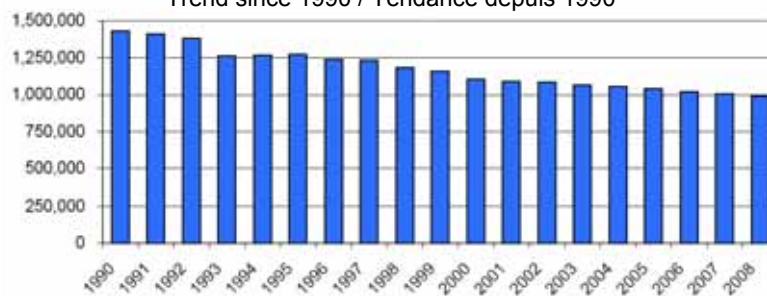
Source: Canadian Dairy Commission
Compiled by AAFC-AID, Dairy Section

Source: Commission canadienne du lait
Complé par AAC-DIA, Secteur laitier

**DAIRY COWS BY PROVINCE ON JANUARY 1st
VACHES LAITIÈRES PAR PROVINCE AU 1er JANVIER
('000)**

YEAR/ ANNÉE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	CANADA
2008	70.0	83.5	29.0	44.0	325.0	375.0	18.8	23.5	13.0	6.7	988.5
2007	70.5	79.5	28.5	44.5	327.0	364.0	19.0	22.2	13.2	6.4	1,004.8
2006	75.0	85.5	29.0	45.0	334.0	390.0	18.9	22.3	13.2	6.2	1,019.1
2005	78.0	83.0	31.0	44.0	344.8	399.0	19.3	22.9	13.5	5.9	1,041.4
2004	80.0	86.5	31.5	42.0	355.5	397.0	19.2	24.0	14.0	5.2	1,054.9

Trend since 1990 / Tendence depuis 1990



Source: Statistics Canada
Compiled by AAFC-AID, Dairy Section

Source: Statistique Canada
Complé par AAC-DIA, Secteur laitier

dairy_cows_by_prov.xls

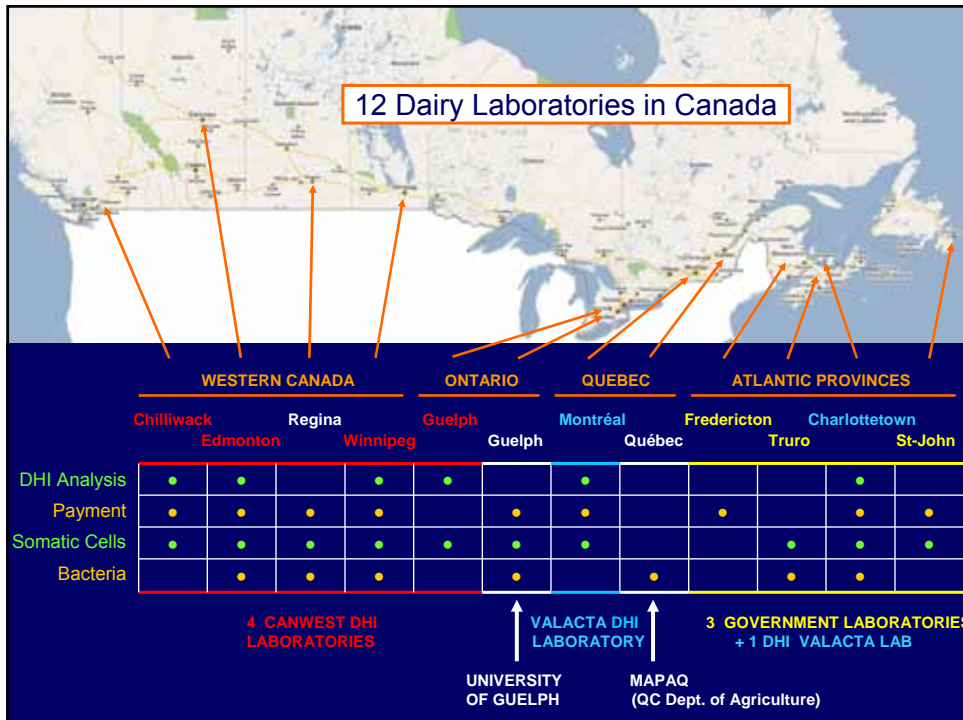


Dairy Laboratory Analysis Services



- Herd Management (DHI) Analysis
- Payment Analysis (for all herds)
 - Bulk Tank and truck samples (F,P,L, TS)
- Quality Testing
 - Somatic Cell Count, Bacteria, Antibiotics
- CLS (Canadian Laboratory Service)
 - + Standards Council of Canada:
 - Interlab exchanges,
 - Audits,
 - ISO 17025 accreditation

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6 Canadian DHI Laboratories

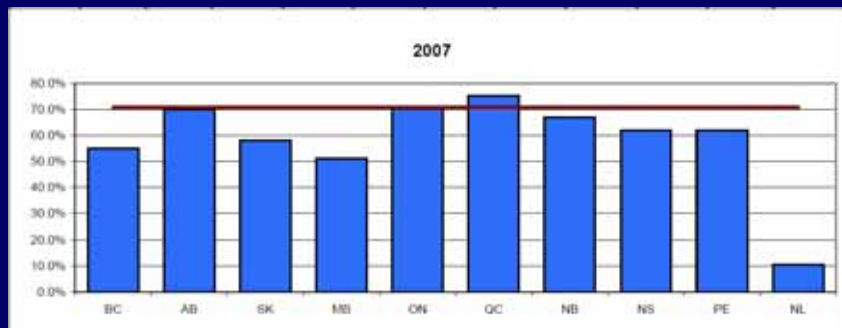


- 2 Valacta labs
- 4 CanWest DHI labs
 - 15 Infrared and Somatic Cell analysers
 - Including: Foss 4000's, 6000's, 400's ,FC Bentley 2000's, 300's and 500's

PERCENTAGE OF DAIRY HERDS ENROLLED IN MILK RECORDING PROGRAMS POURCENTAGE DES TROUPEAUX LAITIERS INSCRITS AUX PROGRAMMES DE CONTRÔLE LAITIERS

(PUBLISHABLE AND MANAGEMENT / PUBLIABLE ET GESTION)

YEAR ANNÉE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	CANADA
2007	55.0	70.1	58.0	51.2	70.4	75.2	66.9	62.0	62.0	10.5	70.8
2006	53.7	68.8	59.5	47.9	66.2	73.1	68.6	61.3	61.4	7.3	68.2
2005	54.9	67.8	56.8	46.8	66.6	73.4	75.1	65.6	61.5	7.3	68.5
2004	55.7	68.8	57.5	46.8	67.7	74.5	70.2	69.6	64.5	4.9	69.2
2003	56.9	66.5	57.5	48.0	66.5	71.4	71.5	62.3	64.4	39.0	67.4



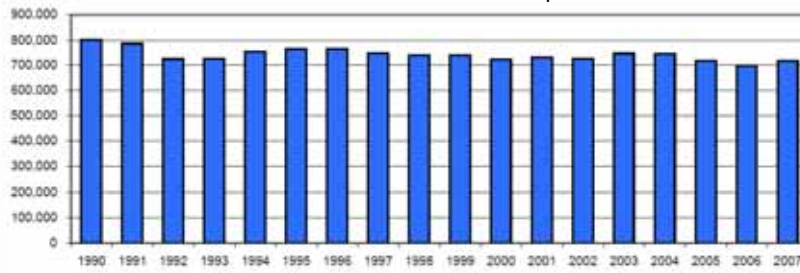
Source : Canadian Dairy Herd Improvement and
Canadian Dairy Commission (CDC)
Calculations done by AAFC-AID, Dairy Section
%total_herds_milk_recording_pub_mang_by_prov.xls

Source : Amélioration des troupeaux laitiers canadiens et
Commission canadienne du lait (CCL)
Calculs réalisés par AAC-DIA, Secteur laitier

**COWS ENROLLED IN MILK RECORDING PROGRAMS
VACHES INSCRITES AUX PROGRAMMES DE CONTRÔLE LAITIER
(PUBLISHABLE AND MANAGEMENT / PUBLIABLE ET GESTION)**

YEAR/ ANNÉE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	CANADA
2007	43,334	58,414	18,057	25,498	236,766	299,044	12,214	14,159	9,842	662	718,018
2006	41,597	55,459	18,837	25,963	225,124	294,875	12,134	13,878	9,687	484	697,838
2005	43,989	58,048	18,296	26,827	231,400	301,905	13,153	14,110	9,073	413	718,112
2004	43,732	58,700	18,437	24,399	247,265	314,978	12,873	14,308	10,184	360	745,236
2003	43,958	56,357	19,267	24,499	252,276	311,333	13,057	14,502	10,251	1,141	746,641

Trend since 1990 / Tendence depuis 1990



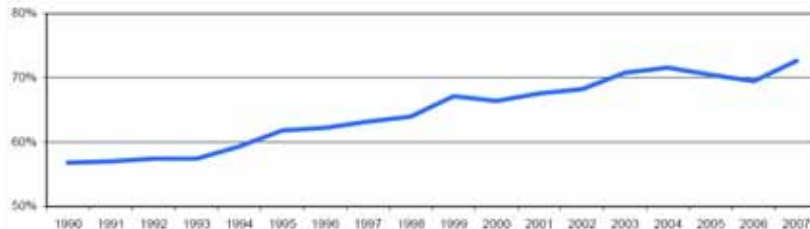
Source: Canadian Dairy Herd Improvement
Compiled by AAFC-AID, Dairy Section
total_cows_milk_recording_pub_mang.xls

Source : Amélioration des troupeaux laitiers canadiens
Compilé par AAC-DIA, Secteur laitier

**PERCENTAGE OF DAIRY COWS ENROLLED IN MILK RECORDING PROGRAMS
POURCENTAGE DE VACHES LAITIÈRES INSCRITES AUX PROGRAMMES DE CONTRÔLE LAITIER
(PUBLISHABLE AND MANAGEMENT / PUBLIABLE ET GESTION)**

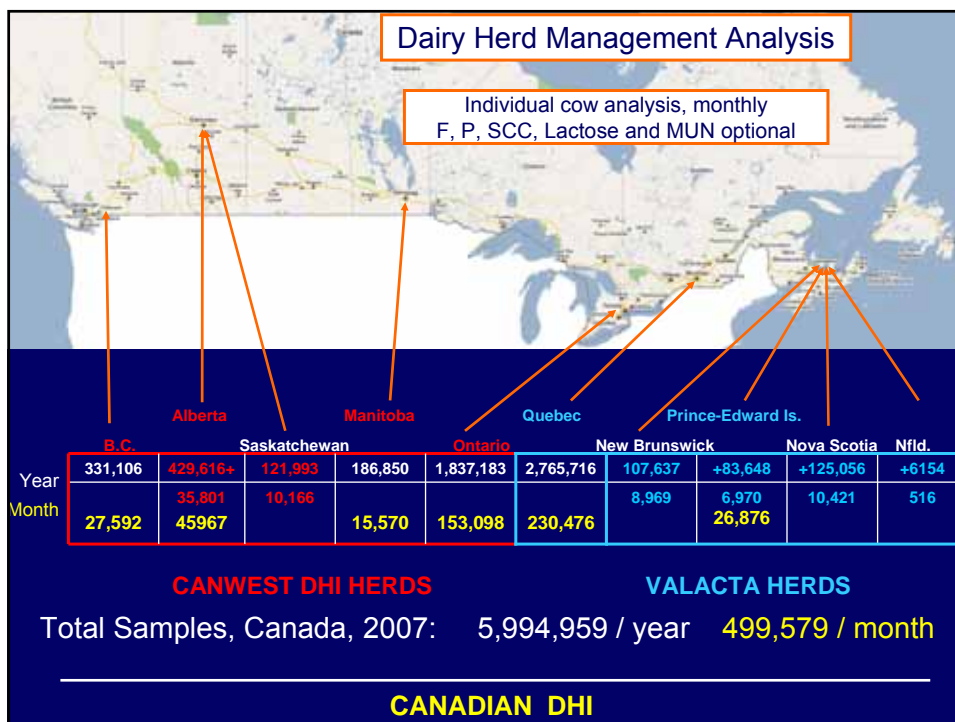
YEAR/ ANNÉE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	CANADA
2007	61.9	70.0	62.3	57.9	72.9	79.7	65.0	60.3	75.7	10.3	72.6
2006	59.0	69.8	66.1	58.3	68.8	74.8	63.9	61.6	73.4	7.6	69.5
2005	56.7	67.9	63.1	59.6	69.3	77.4	69.6	63.3	75.6	6.7	70.5
2004	56.1	70.7	59.5	55.5	71.7	78.9	66.7	62.5	75.4	6.1	71.6
2003	54.9	65.2	61.2	58.3	71.0	76.4	68.0	60.4	73.2	21.9	70.8



Trend since 1990 / Tendence depuis 1990



Source: Canadian Dairy Herd Improvement and Statistics Canada
Calculations done by AAFC-AID, Dairy Section
%total_cows_milk_recording_pub_mang_by_prov.xls

Source : Amélioration des troupeaux laitiers canadiens et Statistique Canada
Calculs réalisés par AAC-DIA, Secteur laitier



Sample Collection

- Field technicians or producers collect milk and herd data
- All samples are bar coded
- Samples are preserved with Bronopol
- Transport:
 - Most samples are shipped by courier and delivered within 24-hour

CANADIAN DHI



Analyses Provided



- All samples are analysed for Fat, Protein and Cell Count
- Urea and lactose analysis is offered in several labs
- Same day analysis is provided across Canada.
- CanWest offers Johne's and leukosis testing
- Forage analysis is provided at the Valacta lab.
- Analysis results are transferred to Canadian DHI processing centre and made available to clients via web site or hard copy.

	Alberta		Manitoba		Quebec	Prince-Edward Is.		Newfoundland		
	BC	Saskatchewan		Ontario		New Brunswick		Nova Scotia		
Urea	1 %	20 %	8 %	3 %	19 %	40 %	1 %	6 %	3 %	6 %
Other	Lactose Leuk,johes	Lactose Reference Leuk,johes	Lactose Leuk,johes	Leuk,johes	Leukosis (4,300) Johne's (13,000)	Lactose Reference Forage	Lactose	Lactose	Lactose	Lactose

CANADIAN DHI



ISO 17025

Canadian Lab Accreditation Program



- All Canadian dairy laboratories are ISO 17025 accredited
- The Canadian Lab Services (CLS) and the Standards Council of Canada are responsible for auditing of all Valacta, CanWest and payment analysis laboratories
- The C.L.S is also responsible to coordinate and oversee unknown interlab exchange program . Samples are distributed and analysed 6 times per year and results from all laboratories are compared to the reference.

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Thank you



Meeting of the Canadian dairy laboratories Managers, Montreal.

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