

Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2012	1	981	-186	-2.0	-2.0	0.06	0.05	104.0	100.0	-5.0	-3.0	-4.0	-6.0	-1.0	98.0	101.0	99.0
2013	1	1091	-536	-13.0	-18.0	0.10	0.03	98.0	98.0	5.0	2.0	7.0	3.0	4.0	106.0	102.0	103.0
2019	1	987	-314	-15.0	-7.0	-0.02	0.06	100.0	102.0	0.0	1.0	1.0	-3.0	5.0	101.0	100.0	100.0

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023**

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	12	825	-404	-13.3	-13.5	0.04	0.02	102.3	97.3	-0.8	0.3	-0.1	-1.9	0.1	98.5	98.6	101.3
2011	5	904	-423	-14.2	-13.8	0.05	0.03	104.4	98.6	-1.4	-0.8	0.0	-2.2	0.2	99.4	102.0	101.4
2012	11	1003	-179	-3.0	-4.4	0.05	0.03	99.5	98.4	-0.7	1.5	1.6	-2.1	1.5	99.3	99.5	101.5
2013	7	1005	-371	-5.4	-11.0	0.11	0.04	102.6	99.3	0.0	1.9	0.3	-1.0	0.7	99.6	101.6	100.3
2014	8	1067	32	-0.1	-2.6	-0.01	-0.04	99.5	99.1	-0.1	0.0	0.9	-0.8	0.8	100.0	99.5	102.7
2015	4	1154	-199	-4.8	2.8	0.04	0.11	101.3	101.3	2.0	2.5	0.8	1.8	-0.5	100.5	99.3	97.7
2016	8	1153	85	3.4	1.9	0.00	-0.01	101.0	99.3	1.1	2.0	0.3	1.0	0.3	99.4	100.0	99.0
2017	3	1332	7	-2.7	10.3	-0.03	0.10	97.3	100.7	5.7	3.0	3.3	4.7	3.7	102.7	100.3	99.7
2018	9	1232	-15	4.9	4.7	0.06	0.05	99.1	99.7	2.4	2.9	0.7	0.8	2.4	100.2	101.4	99.6
2019	11	1396	137	13.4	11.0	0.09	0.06	99.5	100.5	2.6	2.0	1.1	2.1	2.6	102.4	101.4	98.0
2020	5	1128	-266	-9.0	-6.2	0.03	0.04	97.8	98.4	5.2	2.6	3.0	4.8	3.4	102.6	101.5	103.0

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023**

New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	6	924	-602	-15.0	-18.3	0.11	0.06	101.8	102.3	-1.3	-0.2	0.0	-2.3	1.3	101.2	101.2	103.8
2011	2	911	160	-7.0	-1.5	-0.15	-0.07	101.0	100.5	-1.0	-1.0	4.5	-2.5	-1.5	97.5	90.0	93.0
2012	8	1167	-18	1.0	0.4	0.03	0.01	103.0	101.4	-1.3	-2.0	-1.4	-1.0	-0.6	101.4	101.8	102.1
2013	11	1198	-135	1.4	2.4	0.07	0.08	100.3	100.9	-2.0	-3.0	-0.1	-1.7	-1.0	102.2	102.0	103.1
2014	9	1114	-29	-7.3	2.9	-0.06	0.04	101.0	99.7	-1.7	-3.6	-0.2	-1.6	0.0	101.1	101.0	99.8
2015	17	1099	-54	-1.8	1.8	0.02	0.04	99.1	100.2	-2.5	-1.9	-0.9	-2.5	-1.2	100.2	101.2	100.9
2016	14	1249	102	2.8	4.4	-0.01	0.00	100.0	101.2	-0.4	-1.4	0.1	-0.6	1.2	102.1	102.5	101.8
2017	14	1253	136	6.1	7.1	0.01	0.02	99.4	102.0	-0.6	-0.9	-0.1	-1.1	0.4	101.5	100.7	101.2
2018	9	1327	139	7.4	8.4	0.02	0.03	98.2	101.9	2.1	2.3	1.0	1.3	2.3	102.2	100.5	101.0
2019	5	1257	259	3.2	7.4	-0.08	-0.03	96.8	100.0	2.0	0.8	1.2	2.4	-0.2	101.6	99.3	100.0
2020	12	1262	64	3.3	4.8	0.00	0.02	98.1	103.1	1.0	-0.1	0.3	0.9	0.8	101.8	101.5	102.0

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023**

Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	365	963	-150	-7.9	-7.2	-0.02	-0.01	100.7	99.2	-2.3	-1.7	-0.6	-2.3	-0.5	100.1	101.3	101.3
2011	383	973	-158	-6.8	-6.5	0.00	-0.00	100.9	98.8	-2.0	-1.0	-0.2	-2.3	-0.7	99.5	101.3	100.3
2012	375	945	-182	-7.2	-7.0	0.01	0.00	100.1	99.1	-2.1	-1.2	-0.6	-2.2	-0.7	99.0	99.9	99.2
2013	353	1032	-125	-4.5	-4.2	0.01	0.01	100.1	99.5	-1.3	-0.8	0.6	-1.8	-0.3	100.1	100.7	100.1
2014	318	1052	-94	-4.9	-3.5	-0.01	0.00	100.3	100.1	-0.8	-0.6	0.6	-1.1	0.1	100.3	100.6	100.6
2015	349	1114	-30	-1.8	-1.9	-0.00	-0.00	100.0	101.1	-0.2	-0.3	0.2	-0.3	0.9	101.0	100.7	100.5
2016	322	1148	30	0.6	1.0	-0.00	-0.00	100.0	100.6	0.3	0.3	0.3	-0.3	0.7	100.7	100.7	100.3
2017	314	1217	121	4.4	4.7	-0.00	0.00	99.6	101.1	0.6	0.7	0.3	-0.0	1.1	101.0	101.0	100.4
2018	331	1255	109	5.4	5.8	0.01	0.02	98.9	101.0	1.2	1.1	0.9	0.6	1.4	101.4	101.1	100.8
2019	271	1327	277	8.2	11.0	-0.03	0.00	100.3	101.8	1.0	0.6	0.9	0.3	1.2	102.0	101.9	101.1
2020	198	1316	200	7.1	9.3	-0.01	0.01	99.3	101.4	1.8	1.3	1.4	1.2	1.6	101.9	101.8	101.0

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023**

Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	270	1012	-126	-2.5	-4.0	0.03	0.01	102.0	100.3	-2.8	-1.8	-1.2	-3.1	-0.3	99.5	100.5	101.1
2011	263	967	-151	-6.8	-6.3	-0.00	-0.00	100.9	99.2	-2.1	-1.3	-0.6	-2.4	-0.1	99.5	100.5	100.6
2012	276	1044	-87	-3.2	-2.8	0.01	0.01	101.2	99.5	-1.6	-0.8	-0.2	-1.9	-0.1	99.8	100.7	100.8
2013	209	1052	-67	-2.8	-3.9	0.00	-0.01	100.6	99.8	-1.0	-0.6	0.0	-1.1	-0.3	100.0	100.8	100.8
2014	270	1087	-55	-1.4	-1.7	0.01	0.01	100.7	100.2	-1.1	-0.5	-0.1	-1.3	-0.3	100.4	100.4	100.8
2015	216	1148	32	2.3	0.6	0.01	-0.00	101.1	100.6	-0.1	0.2	0.4	-0.6	0.4	100.4	100.6	100.8
2016	216	1149	49	1.9	1.5	-0.00	-0.00	100.1	100.7	-0.1	-0.3	0.1	-0.4	0.4	100.3	100.1	99.6
2017	180	1258	145	7.8	6.4	0.02	0.01	100.7	101.5	0.4	0.4	0.3	-0.1	0.7	100.9	100.9	100.3
2018	144	1281	152	7.9	7.7	0.02	0.02	99.9	101.1	1.4	1.4	0.8	0.7	1.3	100.9	100.6	100.0
2019	107	1236	103	4.7	5.4	0.01	0.02	99.2	100.4	0.6	0.6	0.1	0.5	0.6	100.9	102.1	101.0
2020	119	1302	109	7.5	7.8	0.03	0.03	99.4	101.4	1.8	1.4	0.9	1.4	1.3	101.5	100.9	100.7

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023**

Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	77	827	-292	-15.8	-14.3	-0.04	-0.03	102.1	98.4	-2.2	-1.3	-1.2	-2.7	1.4	98.8	101.2	101.8
2011	78	951	-265	-8.2	-10.9	0.03	-0.01	100.6	99.1	0.1	1.0	0.5	-0.6	1.2	99.2	100.2	100.1
2012	91	891	-258	-13.8	-13.2	-0.03	-0.03	101.7	99.4	-0.9	-0.3	-0.3	-1.4	1.2	99.6	101.2	101.3
2013	83	938	-236	-11.0	-10.5	-0.01	-0.01	100.8	99.0	0.2	0.7	0.2	-0.3	1.7	99.5	100.0	101.9
2014	60	956	-204	-11.0	-10.5	-0.03	-0.02	101.9	100.2	-0.6	-0.5	0.1	-0.6	0.1	100.2	100.3	101.3
2015	68	980	-185	-11.0	-9.9	-0.03	-0.03	100.4	99.4	1.2	1.2	0.6	0.8	2.1	100.3	101.2	100.9
2016	75	1070	-106	-3.1	-5.4	0.02	-0.01	101.8	100.2	0.5	0.7	-0.2	0.5	0.9	100.2	100.6	101.0
2017	76	1087	-108	-5.6	-3.7	-0.00	0.01	100.9	100.3	1.1	1.0	0.6	0.6	1.3	100.7	100.9	100.3
2018	76	1174	-13	-2.1	0.5	-0.01	0.01	101.0	101.3	1.3	0.4	0.6	1.5	0.7	101.5	101.4	101.8
2019	67	1214	5	-2.5	1.0	-0.03	0.01	100.7	101.4	2.3	1.2	1.4	2.2	1.5	102.4	102.8	101.8
2020	41	1241	16	0.2	2.9	-0.00	0.03	100.1	101.2	2.9	1.2	1.8	2.5	1.9	102.2	100.3	100.3

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023

Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	1	954	162	-23.0	1.0	-0.33	-0.05	96.0	103.0	1.0	1.0	5.0	-1.0	-1.0	101.0	97.0	101.0
2011	3	853	-187	-9.3	-6.0	-0.01	0.02	101.3	97.7	-2.7	0.0	2.3	-3.7	-1.7	96.7	97.5	96.5
2012	4	895	-100	-14.8	-13.3	-0.09	-0.09	104.0	103.3	-2.3	-2.8	-1.0	-2.0	-1.3	100.3	101.0	100.0
2013	2	883	-251	-14.5	-12.0	-0.06	-0.03	102.0	98.5	1.0	1.0	0.0	1.0	-1.0	98.0	99.0	.

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023

Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	20	951	6	-8.8	-7.2	-0.09	-0.07	100.1	100.4	-3.5	-2.7	-1.6	-3.0	-0.1	100.3	100.9	99.9
2011	11	937	106	-8.8	-6.4	-0.14	-0.10	100.5	99.7	-4.5	-2.3	-1.5	-5.0	2.3	100.2	103.0	101.2
2012	10	1041	158	-2.4	1.8	-0.09	-0.04	100.4	96.5	-2.4	-1.3	-0.6	-2.8	1.2	99.4	101.8	101.0
2013	14	1063	19	-1.6	-0.4	-0.02	-0.01	100.8	101.8	-3.1	-1.9	-1.8	-2.9	-0.1	100.1	100.1	99.4
2014	10	1158	9	3.3	3.5	0.03	0.03	100.7	100.7	-2.2	-2.1	-1.5	-2.7	1.8	100.5	100.3	97.8
2015	7	1157	-83	-0.7	-2.4	0.03	0.01	100.6	101.9	-1.1	-2.6	0.3	-1.1	1.3	102.6	102.6	104.0
2016	4	1235	249	9.8	10.5	-0.03	-0.00	101.3	101.8	-0.3	0.0	0.5	-0.3	0.3	99.5	97.0	99.0
2017	4	1257	60	3.0	4.5	0.01	0.03	104.8	103.8	-2.8	-4.5	-0.8	-1.8	0.8	103.8	100.0	102.0
2018	9	1273	186	9.2	9.6	0.02	0.01	100.2	101.4	-1.6	-1.9	1.4	-2.3	2.1	101.2	99.6	100.6
2019	5	1219	208	5.2	11.8	-0.03	0.03	101.2	99.4	-1.4	-0.6	2.0	-2.2	-0.2	100.0	101.3	99.3
2020	2	1215	313	5.5	8.5	-0.05	-0.03	103.0	102.5	-1.5	-3.0	-1.5	-2.5	3.0	102.0	98.0	99.0

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Brown Swiss cows
Lactanet Canada, August 2023**

British Columbia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	41	816	-282	-12.0	-14.5	-0.01	-0.04	102.3	98.0	-0.8	1.0	-0.7	-1.5	1.3	97.5	97.6	97.8
2011	18	957	-103	-10.8	-7.0	-0.07	-0.03	103.2	100.2	-1.1	-0.1	0.2	-1.5	0.0	99.6	101.1	101.5
2012	36	1049	-251	-9.8	-6.8	0.02	0.03	102.0	100.4	0.4	-0.6	-0.1	0.2	1.7	101.0	101.5	101.3
2013	29	1023	-91	-8.4	-4.6	-0.05	-0.01	102.6	99.9	0.1	0.7	0.0	-0.6	0.8	100.2	101.5	102.1
2014	49	948	-215	-12.3	-9.9	-0.03	-0.01	100.4	99.4	-0.1	-0.0	-0.2	-0.2	0.3	100.1	101.5	100.8
2015	75	991	-214	-8.6	-8.3	0.01	0.00	101.1	99.9	-0.7	-0.1	-0.3	-1.0	1.1	100.4	101.5	101.5
2016	27	1094	-64	-6.3	-2.7	-0.03	0.00	100.7	100.6	1.0	0.9	0.8	0.4	1.3	101.1	101.1	101.0
2017	29	1064	-36	-5.0	-3.4	-0.03	-0.02	101.8	100.2	1.3	1.4	-0.2	0.5	1.1	100.2	101.0	97.4
2018	27	1192	187	1.3	3.1	-0.07	-0.04	100.4	100.7	2.1	1.9	1.8	1.8	1.3	100.9	99.6	99.8
2019	25	1182	24	0.2	2.2	-0.01	0.01	99.1	100.4	0.9	1.0	0.1	0.4	1.3	101.4	100.8	103.5
2020	23	1276	271	5.6	9.6	-0.05	-0.01	100.6	100.3	1.5	1.1	1.3	1.1	1.1	101.5	102.0	.

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.