

## GENETIC EVALUATION PERCENTILE TABLES FOR WELLNESS TRAITS (HOLSTEIN MALES) – AUGUST 2021

Percentile tables allow for understanding relevant animal rankings within a similar population of animals. The percentile tables (below) use data within the Zoetis genetic evaluation databases for Holstein males. The traits may be broken out by birth year, where important differences exist. Higher values are more desirable.

Percentiles for Dairy Wellness Profit Index® (DWP\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-924	185	320	409	482	547	612	679	751	844	914	1039	1328
Born 2013	-707	-108	48	103	167	229	280	342	416	503	573	732	830
Born 2014	-692	-23	83	153	222	271	319	378	444	521	596	740	838
Born 2015	-767	-8	127	220	283	336	384	428	493	576	632	743	909
Born 2016	-706	-18	111	202	271	328	378	425	493	570	651	744	919
Born 2017	-822	123	249	317	373	423	470	519	576	649	716	829	1045
Born 2018	-891	207	297	356	407	455	502	548	603	676	745	881	1124
Born 2019	-799	382	477	536	583	626	669	714	765	832	886	992	1163
Born 2020	-924	428	532	594	646	691	736	780	835	911	971	1095	1328
Born 2021	-354	593	668	716	757	793	829	872	913	975	1024	1104	1238

Percentiles for Wellness Trait Index® (WT\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-504	-125	-74	-39	-10	17	43	70	101	141	174	232	336
Born 2013	-291	-131	-70	-22	10	38	67	103	130	172	199	253	335
Born 2014	-388	-133	-74	-31	2	33	70	100	126	167	208	263	336
Born 2015	-364	-126	-67	-33	-2	26	54	87	120	162	195	258	328
Born 2016	-375	-135	-81	-42	-11	18	44	72	103	145	182	250	313
Born 2017	-377	-140	-92	-55	-27	1	29	57	92	135	171	226	329
Born 2018	-504	-153	-99	-63	-33	-7	20	48	78	121	155	215	286
Born 2019	-402	-108	-62	-28	0	25	49	74	101	141	173	226	302
Born 2020	-412	-107	-58	-22	7	33	57	83	114	155	184	240	311
Born 2021	-326	-95	-49	-19	5	28	53	77	105	141	168	219	308

Percentiles for Calf Wellness Index® (CW\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-148	-41	-26	-15	-6	1	9	17	26	38	47	64	101
Born 2013	-121	-55	-42	-28	-18	-11	-3	5	14	23	34	49	78
Born 2014	-130	-56	-42	-30	-21	-15	-4	4	14	26	36	53	67
Born 2015	-122	-46	-31	-21	-13	-3	5	14	22	33	44	62	76
Born 2016	-130	-52	-36	-25	-17	-9	0	9	19	31	41	60	84
Born 2017	-119	-40	-25	-15	-5	2	10	19	28	40	49	67	94
Born 2018	-148	-52	-37	-26	-17	-9	0	8	19	33	43	62	92
Born 2019	-121	-32	-18	-7	1	8	16	23	32	43	52	69	93
Born 2020	-99	-33	-20	-11	-3	4	12	19	27	38	48	64	101
Born 2021	-97	-25	-13	-5	3	9	15	21	29	38	47	62	89

Percentiles for Cow and Calf Wellness Traits in Standardized Transmitting Abilities (STA) for all ages*													
Trait –All Ages	0	10	20	30	40	50	60	70	80	90	95	99	100
Displaced Abomasum	67	94	97	98	99	100	101	102	103	105	106	107	110
Ketosis	68	99	101	102	103	104	105	106	107	108	109	110	112
Lameness	75	92	95	96	98	99	100	101	103	105	106	109	114
Mastitis	76	93	95	97	99	100	101	103	104	106	107	110	114
Metritis	77	96	99	100	102	103	104	105	106	108	109	111	114
Retained Placenta	75	93	95	97	98	99	101	102	103	105	106	109	113
Calf Livability	73	93	95	97	98	100	101	102	104	106	107	109	114
Calf Respiratory Disease	76	94	96	97	99	100	101	102	104	105	107	109	115
Calf Scours	78	96	98	100	101	102	103	104	105	107	108	110	117
Milk Fever	81	95	97	98	99	99	100	101	102	103	103	105	107
Cow Respiratory Disease	77	93	95	97	98	99	100	101	103	104	106	108	112
Cow Abortion	81	92	94	96	97	98	99	100	101	103	104	106	113
Twinning	63	94	96	98	100	101	102	103	105	106	107	109	113
Cystic Ovary	77	94	96	98	99	100	101	102	103	105	106	108	113

**Zoetis Genetics Customer Service Contact Information:**  
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## GENETIC EVALUATION PERCENTILE TABLES FOR WELLNESS TRAITS (HOLSTEIN FEMALES) – AUGUST 2021

Percentile tables allow for understanding relevant animal rankings within a similar population of animals. The percentile tables (below) use data within the Zoetis genetic evaluation databases for Holstein females. The traits may be broken out by birth year, where important differences exist. Higher values are more desirable.

Percentiles for Dairy Wellness Profit Index® (DWP\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-1293	-108	28	121	196	264	330	399	476	580	661	809	1270
Born 2013	-955	-361	-258	-186	-123	-67	-12	48	115	207	288	432	777
Born 2014	-1126	-299	-196	-123	-61	-3	53	113	181	275	349	482	852
Born 2015	-1133	-225	-114	-37	25	82	137	194	261	349	423	558	909
Born 2016	-1115	-164	-55	19	79	136	190	247	312	402	475	607	963
Born 2017	-1098	-71	31	101	159	212	265	320	384	470	540	669	1040
Born 2018	-1117	-22	79	148	205	257	308	362	425	510	578	708	1074
Born 2019	-1025	44	149	219	278	331	382	436	500	587	657	791	1178
Born 2020	-956	130	243	318	377	430	482	536	597	678	745	868	1270
Born 2021	-891	223	337	413	471	523	574	627	687	771	841	967	1233

Percentiles for Wellness Trait Index® (WT\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-593	-126	-73	-37	-6	22	49	77	109	150	183	239	405
Born 2013	-548	-162	-105	-65	-31	-2	26	57	90	134	169	231	343
Born 2014	-520	-151	-95	-56	-23	7	36	66	99	143	176	234	351
Born 2015	-549	-138	-83	-43	-11	18	46	75	108	149	183	239	361
Born 2016	-541	-131	-75	-37	-5	24	52	81	113	155	187	242	363
Born 2017	-541	-121	-69	-32	-1	26	53	81	113	155	188	244	387
Born 2018	-501	-123	-71	-35	-5	23	50	78	110	152	184	241	377
Born 2019	-485	-118	-68	-33	-3	24	51	78	109	150	183	238	405
Born 2020	-510	-115	-65	-30	-1	26	52	79	110	150	182	238	371
Born 2021	-452	-105	-56	-22	7	33	59	86	115	155	186	242	369

Percentiles for Calf Wellness Index® (CW\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-195	-40	-25	-14	-5	3	10	18	27	39	48	64	123
Born 2013	-175	-57	-41	-30	-20	-12	-3	6	16	28	38	57	96
Born 2014	-179	-51	-35	-24	-15	-7	2	10	19	32	41	58	95
Born 2015	-195	-47	-32	-21	-12	-4	4	12	21	34	43	60	96
Born 2016	-160	-44	-29	-19	-10	-2	6	14	23	35	45	61	103
Born 2017	-165	-39	-24	-14	-5	3	10	18	27	39	48	64	103
Born 2018	-159	-38	-23	-13	-5	3	11	19	28	40	49	66	110
Born 2019	-159	-36	-21	-11	-2	5	13	21	29	41	50	66	123
Born 2020	-160	-33	-19	-9	-1	6	14	21	30	41	50	65	108
Born 2021	-129	-29	-16	-6	2	9	16	23	32	43	51	67	105

Percentiles for Cow and Calf Wellness Traits in Standardized Transmitting Abilities (STA) for all ages*													
Trait –All Ages	0	10	20	30	40	50	60	70	80	90	95	99	100
Displaced Abomasum	63	94	97	98	100	101	102	103	104	105	106	108	110
Ketosis	64	95	98	100	101	102	103	104	105	107	108	110	113
Lameness	70	93	95	97	98	100	101	102	104	106	107	109	114
Mastitis	74	93	95	97	99	100	101	103	104	106	107	110	115
Metritis	70	95	97	99	101	102	103	104	106	107	108	111	115
Retained Placenta	67	93	96	98	99	100	101	103	104	106	107	109	114
Calf Livability	54	94	96	98	99	100	102	103	104	106	107	110	116
Calf Respiratory Disease	73	94	96	98	99	101	102	103	104	106	108	110	116
Calf Scours	69	95	97	98	100	101	102	103	105	106	108	110	117
Milk Fever	74	96	97	98	99	100	101	101	102	103	104	105	108
Cow Respiratory Disease	69	94	96	98	99	100	101	103	104	106	107	109	115
Cow Abortion	74	93	95	97	98	99	100	102	103	105	106	109	118
Twinning	60	93	96	98	100	101	102	103	105	106	108	110	114
Cystic Ovary	65	94	96	98	99	100	101	103	104	106	107	110	117

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## GENETIC EVALUATION PERCENTILE TABLES FOR WELLNESS TRAITS (JERSEY MALES) – AUGUST 2021

Percentile tables allow for understanding relevant animal rankings within a similar population of animals. The percentile tables (below) use data within the Zoetis genetic evaluation databases for Jersey males. The traits may be broken out by birth year, where important differences exist. Higher values are more desirable.

Percentiles for Dairy Wellness Profit Index® (DWP\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-864	34	156	236	297	349	400	445	492	551	599	679	869
Born 2013	-864	-124	-93	-38	20	35	107	141	195	266	298	501	501
Born 2014	-305	-95	-12	26	81	113	158	197	233	291	408	506	506
Born 2015	-524	-115	-21	17	51	81	115	182	229	278	336	425	438
Born 2016	-258	-23	30	96	133	167	199	231	278	332	395	510	515
Born 2017	-418	-51	52	116	173	214	241	283	362	417	506	553	564
Born 2018	-274	56	108	180	221	254	296	329	373	425	466	604	636
Born 2019	-556	22	164	241	298	344	394	440	485	544	570	647	672
Born 2020	-654	181	277	330	376	411	447	484	523	574	618	680	811
Born 2021	-569	275	324	365	414	444	478	507	543	596	640	720	869

Percentiles for Wellness Trait Index® (WT\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-533	-194	-135	-101	-73	-45	-18	7	34	72	98	144	219
Born 2013	-418	-97	-68	-28	-15	10	38	64	99	128	135	146	146
Born 2014	-529	-196	-97	-64	-48	-12	11	43	59	96	113	149	149
Born 2015	-533	-247	-178	-130	-100	-80	-26	-4	35	75	100	125	145
Born 2016	-440	-216	-148	-102	-68	-40	-13	6	28	57	75	113	148
Born 2017	-504	-247	-153	-121	-89	-60	-37	-11	15	70	89	144	146
Born 2018	-337	-179	-119	-88	-66	-39	-6	12	39	76	98	151	170
Born 2019	-406	-186	-137	-98	-68	-38	-11	16	41	75	103	148	160
Born 2020	-454	-216	-144	-104	-74	-45	-17	9	40	75	101	141	185
Born 2021	-343	-161	-126	-103	-83	-59	-39	-17	10	44	72	116	163

Percentiles for Calf Wellness Index® (CW\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-195	-64	-41	-25	-10	1	13	26	41	60	74	99	123
Born 2013	-176	-73	-54	-41	-29	-13	-3	8	24	57	62	84	84
Born 2014	-179	-75	-45	-26	-19	-15	-3	13	39	58	85	102	102
Born 2015	-140	-98	-66	-46	-29	-21	-3	7	23	44	55	89	92
Born 2016	-187	-72	-46	-29	-13	-2	7	20	29	55	71	99	117
Born 2017	-143	-64	-47	-33	-24	-10	4	15	30	51	59	101	103
Born 2018	-175	-80	-55	-40	-27	-7	8	20	33	62	70	85	97
Born 2019	-195	-64	-39	-26	-13	-1	12	24	38	51	66	95	115
Born 2020	-157	-59	-33	-18	-4	8	19	32	46	63	79	100	117
Born 2021	-182	-59	-35	-18	-7	5	17	29	44	65	81	100	123



Percentiles for Cow and Calf Wellness Traits in Standardized Transmitting Abilities (STA) for all ages*													
Trait –All Ages	0	10	20	30	40	50	60	70	80	90	95	99	100
Displaced Abomasum	51	94	96	98	99	100	101	102	103	105	106	108	114
Ketosis	81	99	101	103	104	105	106	107	109	110	111	113	115
Lameness	77	94	96	98	99	101	102	103	105	106	107	110	112
Mastitis	62	86	90	92	94	95	97	99	101	103	105	107	112
Metritis	74	94	97	98	100	101	102	103	104	106	107	109	112
Retained Placenta	77	95	98	100	101	102	103	105	106	107	109	111	116
Calf Livability	68	91	94	96	97	99	100	102	103	105	107	109	111
Calf Respiratory Disease	78	95	98	100	101	103	104	105	107	109	110	112	116
Calf Scours	83	92	94	96	98	99	100	102	103	106	107	110	112
Milk Fever	60	94	96	97	98	99	100	101	102	104	105	107	110
Cow Respiratory Disease	72	96	98	99	100	101	102	103	104	106	107	109	113
Cow Abortion	86	94	96	97	98	99	100	101	102	104	105	108	111
Twinning	79	94	96	98	99	100	102	103	104	105	107	109	111
Cystic Ovary	80	97	98	100	101	102	103	104	105	107	108	110	113

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## GENETIC EVALUATION PERCENTILE TABLES FOR WELLNESS TRAITS (JERSEY FEMALES) – AUGUST 2021

Percentile tables allow for understanding relevant animal rankings within a similar population of animals. The percentile tables (below) use data within the Zoetis genetic evaluation databases for Jersey females. The traits may be broken out by birth year, where important differences exist. Higher values are more desirable.

Percentiles for Dairy Wellness Profit Index® (DWP\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-810	-118	-25	39	92	141	188	237	294	372	433	540	800
Born 2013	-683	-290	-209	-152	-102	-56	-10	38	90	166	227	340	541
Born 2014	-810	-218	-144	-89	-45	-1	41	84	136	207	262	367	585
Born 2015	-645	-180	-109	-57	-13	30	68	111	159	227	287	397	609
Born 2016	-626	-107	-38	12	53	92	132	172	220	286	340	444	644
Born 2017	-641	-88	-15	33	76	116	154	197	243	308	363	465	704
Born 2018	-681	-32	33	79	118	153	189	226	270	330	381	478	751
Born 2019	-798	-1	69	119	162	200	238	278	326	395	444	538	741
Born 2020	-740	82	154	203	243	281	318	357	401	460	509	598	800
Born 2021	-638	118	189	238	275	313	349	387	430	493	545	637	776

Percentiles for Wellness Trait Index® (WT\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-487	-139	-88	-55	-29	-6	16	39	63	95	118	157	240
Born 2013	-305	-91	-49	-21	2	24	44	64	86	115	136	171	220
Born 2014	-302	-89	-49	-22	0	20	40	59	81	110	131	167	213
Born 2015	-377	-99	-55	-26	-4	17	36	55	77	105	125	158	212
Born 2016	-400	-107	-66	-39	-15	6	25	45	68	96	118	154	220
Born 2017	-475	-190	-123	-81	-51	-26	-3	20	47	77	100	138	238
Born 2018	-487	-165	-108	-74	-46	-21	3	26	52	84	108	148	226
Born 2019	-471	-150	-102	-68	-41	-16	8	32	58	92	116	156	236
Born 2020	-441	-154	-105	-71	-45	-21	1	24	49	82	107	148	211
Born 2021	-397	-151	-108	-79	-52	-29	-8	15	41	73	97	138	202

Percentiles for Calf Wellness Index® (CW\$®)*													
Age Group	0	10	20	30	40	50	60	70	80	90	95	99	100
All Ages	-207	-60	-38	-22	-8	5	17	30	45	64	79	107	175
Born 2013	-178	-60	-39	-24	-11	2	14	27	42	61	76	106	172
Born 2014	-198	-61	-39	-22	-9	3	15	28	43	62	77	106	175
Born 2015	-199	-56	-34	-18	-5	8	20	33	48	68	83	109	160
Born 2016	-193	-62	-38	-21	-7	6	20	35	50	71	87	116	160
Born 2017	-172	-52	-29	-13	0	13	25	38	53	74	90	116	160
Born 2018	-207	-66	-43	-26	-12	1	14	27	42	61	77	103	156
Born 2019	-181	-69	-47	-30	-17	-4	9	23	38	58	72	96	140
Born 2020	-185	-54	-32	-16	-3	9	21	32	46	63	75	97	141
Born 2021	-195	-58	-36	-21	-8	3	15	27	41	59	73	98	130



Percentiles for Cow and Calf Wellness Traits in Standardized Transmitting Abilities (STA) for all ages*													
Trait - All Ages	0	10	20	30	40	50	60	70	80	90	95	99	100
Displaced Abomasum	61	94	96	98	99	100	101	102	104	105	107	109	115
Ketosis	61	95	98	100	102	103	104	106	107	109	110	112	117
Lameness	71	93	96	98	99	101	102	103	105	106	108	110	113
Mastitis	66	90	93	95	97	98	100	101	103	105	106	108	114
Metritis	68	94	96	98	100	101	102	103	104	106	107	109	115
Retained Placenta	58	93	96	98	100	101	102	103	105	107	108	110	115
Calf Livability	69	92	95	97	98	100	101	102	104	105	107	109	114
Calf Respiratory Disease	72	94	96	98	100	101	103	104	106	107	109	111	117
Calf Scours	80	92	95	97	98	99	101	102	104	106	108	110	117
Milk Fever	57	94	96	97	99	100	101	102	103	105	106	108	113
Cow Respiratory Disease	60	95	97	99	100	101	102	103	105	107	108	111	118
Cow Abortion	74	94	96	97	98	99	101	102	103	105	106	109	118
Twinning	67	93	96	97	99	100	101	102	104	106	107	109	113
Cystic Ovary	69	96	98	100	101	102	103	104	105	107	108	110	118

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