

AgSource Breed Averages, Revised January 1, 2018

Breed Name	HOLSTEIN ALL			JERSEY ALL		
	2509			127		
	80th Percentile	Average	20th Percentile	80th Percentile	Average	20th Percentile
Herd Count	242.4	242.4	242.4	188	188	188
Production Measures						
RHA Milk	27150	23369	19723	19129	16518	14143
RHA Fat	1037	900	766	963	811	683
RHA Protein	837	723	610	703	604	508
RHA Cheese Yield	2776	2401	2041	2404	2060	1738
Management Level Milk (MLM)	89	77.2	66	74	61.9	50
Daily Milk	84.5	72.4	60.8	59.8	50.8	41.1
RHA Fat %	4	3.9	3.7	5.2	4.9	4.6
RHA Protein %	3.2	3.1	3	3.8	3.7	3.5
Mature Equivalent Production Measures						
1st Lactation ME Milk	29276	25486	21748	21209	18297	14887
1st Lactation ME Fat	1144	994	847	1049	877	689
1st Lactation ME Protein	892	771	653	764	650	527
2nd Lactation ME Milk	29259	25228	21219	20740	17592	14638
2nd Lactation ME Fat	1118	971	826	1025	860	681
2nd Lactation ME Protein	879	759	642	750	638	547
3+ Lactation ME Milk	28411	24635	21001	20161	17239	14910
3+ Lactation ME Fat	1087	948	811	1021	848	681
3+ Lactation ME Protein	850	738	628	720	624	533
Stage of Lactation Production Measures						
1st Lactation Peak Milk	88	77.8	68	67	59.7	50
2nd Lactation Peak Milk	113	99.2	85	81	71.1	61
3+ Lactation Peak Milk	121	106.1	91	89	75.9	65
1st Lact 1-100 Days Milk	79	69.3	59.7	61.3	51.9	41
1st Lact 101-240 Days Milk	79	67.7	56.6	55.5	46.2	35.2
1st Lact 241+ Days Milk	70.3	58.8	47.3	49	40.9	33.8
2nd Lact 1-100 Days Milk	102.2	88.6	75.1	73.3	62.3	51.5
2nd Lact 101-240 Days Milk	90.4	76.8	63	62	50.7	38.8
2nd Lact 241+ Days Milk	69.5	57.3	45.2	53	40.9	31.8
3+ Lact 1-100 Days Milk	109.7	94.7	80	79	66.7	56.5
3+ Lact 101-240 Days Milk	95.2	80.6	66.3	63.5	53.8	42.3
3+ Lact 241+ Days Milk	69.6	57.3	45	52	42.1	31.3
Days In Milk Measures						
Herd Average Days In Milk (DIM)	157	178.8	196	147	173.2	200
Lactation Days In Milk (LDIM)	327	319	312	323	312.1	303
% Days In Milk (%LACD)	89	86.9	85	88	85	82
Accuracy Measure						
% of Bulk (DHI Wt / Bulk Tank Wt)	(+ or -) 1	102	(+ or -) 7	(+ or -) 1	104	(+ or -) 8
Herd Age Measure						
1st Lact Age at Calving	23.5	25.7	27.2	23	24.7	26
Herd Avg Age at Calving (Months)	47.4	43.2	38.5	51.7	45.2	38.4
Reproductive Analysis - Cows						
Annual Pregnancy Rate %	25	18.1	12	28	21	14
Annual Service Rate %	56	43.2	30	61	46	32
Annual Pregnancy Loss %	1	4.2	7	0	2.9	6
Calculated Voluntary Waiting Period	48	56.1	65	45	51.7	59
Average DIM at 1st Breeding	71	82.7	92	67	82.7	89
Calving Interval Projected	12.7	13.5	14.1	12.4	13.2	13.7
Calving Interval Historic	12.9	13.7	14.4	12.7	13.4	14.2
Days Open PG	109	129.6	146	100	125	139
Services Per Conception (SPC PG)	1.6	1.8	1.9	1.6	1.7	1.9
Conception Rate % 1st Lactation	64	57.5	51	75	63	50
Conception Rate % 2nd Lactation	63	56.3	49	75	62.3	50
Conception Rate % 3+ Lactation	62	55	48	64	54.6	46
% Total Repeats 3-17 Days	2	4.2	6	0	4.2	7
% Total Repeats 18-24 Days	12	18.9	26	13	21.4	30
Conception Rate % 3-17 Days	34	23.6	0	43	28.8	0
Conception Rate % 18-24 Days	40	30	20	50	34.1	20

Reproductive Analysis - Heifers						
Conception Rate % Heifers	66	60.8	57	67	59.7	51
Services Per Conception	1.5	1.7	1.8	1.5	1.7	2
% < 23 Months at Calving	0	15.4	31	0	23.2	40
% > 25 Months at Calving	8	36.6	67	2	26.6	41
Yearly Herd Turnover						
% Turnover (-) Sales for Dairy	27	35.9	43.8	13.8	28.3	40
% Total Herd Left/Died	28.3	40.4	49.2	19.5	38.9	52.4
% Total Herd Died	1.9	5.4	8.2	0	5.4	9.5
% Cows Leaving the Herd < 60 DIM	4	7.2	10	4	7.7	11
% Total Herd Sold for Dairy	5	4.2	0	14.6	7.7	0
% 1st Lact Left/Died	5.5	11.2	14.5	5.2	13.3	19.1
% 2nd Lact Left/Died	5.7	9.8	13.2	4.7	9.5	13.6
% 3+ Lact Left/Died	14.9	19.7	24.1	11.1	18.8	24.4
Udder Health						
Weighted Average SCC	129	212	281	172	250	327
Bulk Tank Weighted Average SCC	127	208	276	173	247	317
% of herd >= 200000 SCC	12	19.3	25	17	24.9	31
% of Herd New Infections	7	10.2	13	9	13.2	16
% Infected Cows That are Chronic	49	56	64	50	58.3	67
Herd Linear Score	2	2.4	2.9	2.5	2.9	3.2
1st Lact Linear Score	1.7	2.1	2.5	2.5	2.9	3.3
2nd & >Lact Linear Score	2.1	2.6	3.1	2.4	2.9	3.3
% Heifers Infected at First Test	8	17.7	26	11	28.2	44
% Fresh Cows - New Infections	9	18.7	27	9	20.4	31
1st Lact Weighted Average SCC	85	149	203	157	220	280
2nd & >Lact Weighted Average SCC	147	248	335	161	269	336
% Dry Cows Cured	82	67.4	52	82	63.9	44
% Dry Period Failure to Cure	18	32.7	48	18	36.1	56
Distribution of Herd by SCC on Test Day						
% of Herd < 100000 SCC	77	67.1	58	66	56.5	50
% of Herd 100000-199000 SCC	16	13.1	10	21	18.3	15
% of Herd 200000-399000 SCC	5	7.8	10	7	10.9	14
% of Herd 400000-799000 SCC	3	5.1	7	4	6.7	9
% of Herd >= 800000 SCC	3	6	8	4	6.6	9
Transition Cow Management						
Transition Cow Index	957	204	-526	950	291	-376
% 1st Lact Fat/Protien Ratio > 1.4	22	40	57	20	41.4	60
% 2nd & >Lact Fat/Protien Ratio > 1.4	25	40.2	54	22	37.2	53
Dry Period						
Average Days Dry	52	60.4	68	54	64.8	73
% 0-39 Days	2	13.3	23	0	8.5	15
% 40-70 Days	85	66.8	50	88	70.3	57
% >70 Days	7	19.9	31	6	21.3	33
Alternative Dry Period Length Measures						
% <30 Days	0	5.8	8	0	4.2	5
% 70-90 Days	5	12.5	19	3	12.9	21
% > 90 Days	2	10	16	0	11.2	20
Genetics (Net Merit Values Adjusted for Unidentified Sires)						
Service Sires Net Merit \$	724	525	297	516	355	148
Heifer Sires Net Merit \$	556	379	195	409	263	100
1st Lact Sires Net Merit \$	409	268	102	293	170	33
2nd Lact Sires Net Merit \$	326	210	69	250	120	5
3+ Lact Sires Net Merit \$	225	135	56	175	62	-60
All Cows Sire Net Merit \$	314	203	70	220	113	0
Functional Trait Measures						
Service Sires DPR	2.3	1.4	0.2	0.5	-0.2	-0.8
All Cows Sire DPR	1.1	0.4	-0.3	0	-0.6	-1.1
Service Sires SCS	2.79	2.85	2.91	2.89	2.95	3.02
All Cows Sire SCS	2.87	2.92	2.97	2.99	3.03	3.08
Service Sires Prod Life	6.7	4.7	2.4	5.8	4.3	2.7
All Cows Sire Prod Life	2.9	1.7	0.7	2.5	1.6	0.7

Identification Measures						
% Cow Sires Identified	99	72.9	41	100	85.8	75
Service Sires % AI	100	83.8	82	100	84.9	81
All Cows Sire % AI	99	76.4	58	100	86	76
Calving						
% Female Calves	55	48.8	43	63	52	46
1st Lact % Female Live	100	91.4	86	100	91.1	83
2nd Lact % Female Live	100	95	91	100	95.8	94
3+ Lact % Female Live	100	93.8	89	100	94.2	89
Management MUN Values						
	<10 Mg/DI	10-14 Mg/DI	>14 Mg/DI	<10 Mg/DI	10-14 Mg/DI	>14 Mg/DI
All Herds %	33.3	56.2	19.8	27.1	54.1	29.4
1st Lactation %	35	59.3	25.1	30.5	56.7	39.2
2nd & >Lactation %	36.1	55.8	20.2	29.9	55.2	27.9
Average MUN Values						
All Herds		11.2			12.1	
1st Lactation		11.4			12.7	
2nd & >Lactation		11			11.8	