

AgSource Holstein Averages By Herd Size, Revised January 1, 2018

Averages						
Herd Size (cow count)	<100			100-250		
Herd Count	1350			622		
	80th		20th	80th		20th
	Percentile	Average	Percentile	Percentile	Average	Percentile
Cows/Herd	60.1	60.1	60.1	155.6	155.6	155.6
Production Measures						
RHA Milk	24595	21356	18194	26774	24181	21554
RHA Fat	960	832	707	1024	926	826
RHA Protein	765	662	563	829	749	669
RHA Cheese Yield	2536	2204	1886	2736	2480	2218
Management Level Milk (MLM)	82	71.5	61	88	79.9	71
Daily Milk	77.8	66.5	55.4	84.7	75.2	65.9
RHA Fat %	4.1	3.9	3.7	4	3.8	3.6
RHA Protein %	3.2	3.1	3	3.2	3.1	3
Mature Equivalent Production Measures						
1st Lactation ME Milk	26904	23398	20006	29050	26421	24024
1st Lactation ME Fat	1061	919	773	1134	1029	924
1st Lactation ME Protein	816	706	598	885	803	728
2nd Lactation ME Milk	26683	23027	19517	28936	26169	23383
2nd Lactation ME Fat	1033	897	757	1112	1002	885
2nd Lactation ME Protein	799	692	587	874	789	708
3+ Lactation ME Milk	26204	22728	19320	28145	25367	22633
3+ Lactation ME Fat	1012	884	751	1083	971	857
3+ Lactation ME Protein	782	681	581	841	761	685
Stage of Lactation Production Measures						
1st Lactation Peak Milk	82	72.9	64	88	80.4	73
2nd Lactation Peak Milk	104	91.6	79	113	102.9	92
3+ Lactation Peak Milk	112	98.2	85	121	109.4	97
1st Lact 1-100 Days Milk	75.3	65.5	56.2	79.3	71.1	62.6
1st Lact 101-240 Days Milk	72.3	61.7	51.6	78.9	70.4	61.7
1st Lact 241+ Days Milk	63.3	52.9	42.4	70.9	61.6	52.5
2nd Lact 1-100 Days Milk	95.9	82.4	69	102.2	91.1	80.4
2nd Lact 101-240 Days Milk	82	69.8	57	90.2	79.6	68.9
2nd Lact 241+ Days Milk	65	52.6	40.5	68.7	58.8	48.7
3+ Lact 1-100 Days Milk	103.5	88.5	73.8	109.7	97	84.8
3+ Lact 101-240 Days Milk	86.8	73.6	60.2	95	83.4	71.9
3+ Lact 241+ Days Milk	65.3	52.9	40.5	68.8	58.4	47.8
Days In Milk Measures						
Herd Average Days In Milk (DIM)	156	184.3	208	156	175	192
Lactation Days In Milk (LDIM)	328	318.4	310	327	318.7	311
% Days In Milk (%LACD)	89	86.8	84	89	86.8	85
Accuracy Measure						
% of Bulk (DHI Wt / Bulk Tank Wt)	(+ or -) 1	103	(+ or -) 7	(+ or -) 1	103	(+ or -) 7
Herd Age Measure						
1st Lact Age at Calving	24	26.5	28.1	23.8	25.5	26.9
Herd Avg Age at Calving (Months)	49.3	44.8	39.7	46.5	42.9	38.9
Reproductive Analysis - Cows						
Annual Pregnancy Rate %	18	13.3	8	23	17.6	12
Annual Service Rate %	43	33.3	24	53	42.2	32
Annual Pregnancy Loss %	0	3.3	6	1	3.9	6
Calculated Voluntary Waiting Period	44	52.2	61	48	55	62
Average DIM at 1st Breeding	74	89.1	103	71	82.8	93
Calving Interval Projected	12.8	13.8	14.6	12.7	13.4	14.1
Calving Interval Historic	13.1	14	14.8	12.9	13.6	14.1
Days Open PG	115	140.5	163	110	130	146
Services Per Conception (SPC PG)	1.6	1.8	1.9	1.6	1.7	1.9
Conception Rate % 1st Lactation	67	58.4	50	64	57.7	51
Conception Rate % 2nd Lactation	67	58.4	48	63	55.8	49
Conception Rate % 3+ Lactation	65	56.7	47	61	55.3	48
% Total Repeats 3-17 Days	0	3.2	6	2	4.4	6
% Total Repeats 18-24 Days	10	16.6	23	13	18.2	24
Conception Rate % 3-17 Days	50	24	0	36	23.1	0
Conception Rate % 18-24 Days	41	28	12	38	28.9	19

Reproductive Analysis - Heifers						
Conception Rate % Heifers	67	59.6	54	67	60.7	56
Services Per Conception	1.5	1.7	1.8	1.5	1.7	1.8
% < 23 Months at Calving	0	8	13	0	13.4	25
% > 25 Months at Calving	13	44.6	77	11	37.3	66
Yearly Herd Turnover						
% Turnover (-) Sales for Dairy	25.7	36	44.6	27.3	35.4	43.3
% Total Herd Left/Died	26.7	41.5	51.7	28.5	39	47.9
% Total Herd Died	1.3	5	8	2.4	5.6	8.5
% Cows Leaving the Herd < 60 DIM	3	6.9	10	5	7.6	10
% Total Herd Sold for Dairy	5.9	4.9	0	4.6	3.6	0
% 1st Lact Left/Died	5.1	12.3	16	5.1	10	13.5
% 2nd Lact Left/Died	5.2	10	13.9	5.5	9.4	12.3
% 3+ Lact Left/Died	14	19.7	24.7	15.4	19.6	24
Udder Health						
Weighted Average SCC	141	237	318	127	197	261
Bulk Tank Weighted Average SCC	139	233	313	125	193	257
% of herd >= 200000 SCC	14	21.8	29	12	17.9	24
% of Herd New Infections	7	11.3	15	6	9.6	12
% Infected Cows That are Chronic	50	58	67	48	54.7	62
Herd Linear Score	2.1	2.6	3	2	2.4	2.8
1st Lact Linear Score	1.8	2.3	2.7	1.7	2.1	2.4
2nd & >Lact Linear Score	2.2	2.8	3.3	2.1	2.6	3
% Heifers Infected at First Test	4	18.9	31	10	18.1	25
% Fresh Cows - New Infections	8	21.2	32	9	18.3	26
1st Lact Weighted Average SCC	94	170	229	86	140	184
2nd & >Lact Weighted Average SCC	156	273	368	143	230	314
% Dry Cows Cured	80	63.5	47	83	68.6	55
% Dry Period Failure to Cure	20	36.5	53	17	31.5	45
Distribution of Herd by SCC on Test Day						
% of Herd < 100000 SCC	74	63.8	54	77	68.7	61
% of Herd 100000-199000 SCC	17	13.7	10	16	13.2	10
% of Herd 200000-399000 SCC	5	8.4	11	5	7.5	10
% of Herd 400000-799000 SCC	3	5.8	8	3	4.7	6
% of Herd >= 800000 SCC	3	6.8	10	3	5.4	8
Transition Cow Management						
Transition Cow Index	860	123	-613	1033	277	-485
% 1st Lact Fat/Protein Ratio > 1.4	20	40.7	61	22	37.8	53
% 2nd & >Lact Fat/Protein Ratio > 1.4	23	40	55	26	39.9	51
Dry Period						
Average Days Dry	53	62.3	70	51	59.2	66
% 0-39 Days	3	14.8	25	3	14.5	24
% 40-70 Days	79	61.3	44	83	67.2	51
% >70 Days	9	23.9	37	7	18.3	28
Alternative Dry Period Length Measures						
% <30 Days	0	6.6	10	1	6.3	9
% 70-90 Days	6	14.4	22	5	11.8	17
% > 90 Days	3	12	19	2	9.3	15
Genetics (Net Merit Values)						
Adjusted for Unidentified Sires)						
Service Sires Net Merit \$	660	440	149	716	539	350
Heifer Sires Net Merit \$	468	305	123	549	387	224
1st Lact Sires Net Merit \$	334	215	65	383	267	122
2nd Lact Sires Net Merit \$	271	168	65	306	208	86
3+ Lact Sires Net Merit \$	183	107	45	208	133	64
All Cows Sire Net Merit \$	257	160	65	295	201	79
Functional Trait Measures						
Service Sires DPR	2.1	1.1	0	2.3	1.4	0.3
All Cows Sire DPR	0.7	0.1	-0.4	0.9	0.3	-0.2
Service Sires SCS	2.8	2.87	2.95	2.8	2.85	2.9
All Cows Sire SCS	2.89	2.93	2.97	2.88	2.92	2.97
Service Sires Prod Life	6	3.9	1.3	6.6	4.8	2.8
All Cows Sire Prod Life	2.1	1.3	0.5	2.7	1.7	0.7

Identification Measures						
% Cow Sires Identified	100	68.4	20	99	72.8	43
Service Sires % AI	100	78.2	62	100	84.5	83
All Cows Sire % AI	100	72.3	36	99	75.6	54
Calving						
% Female Calves	55	47.4	41	54	48.6	43
1st Lact % Female Live	100	90.8	83	100	91.5	86
2nd Lact % Female Live	100	94.9	89	100	94.5	90
3+ Lact % Female Live	100	93.4	87	100	93.7	89
Management MUN Values						
	<10 Mg/Dl	10-14 Mg/Dl	>14 Mg/Dl	<10 Mg/Dl	10-14 Mg/Dl	>14 Mg/Dl
All Herds %	40.4	51.9	23.8	27.7	59.7	17.5
1st Lactation %	44.9	55.7	30.9	29.1	62.1	22
2nd & >Lactation %	43.3	51.9	25.6	30.2	58.7	17.9
Average MUN Values						
All Herds		11			11.4	
1st Lactation		11.2			11.6	
2nd & >Lactation		10.8			11.2	