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Florida Dairy Industry Statistics: Herd Performance Measures and Benchmarks[1]

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This publication summarizes technical performance data of dairy herds in Florida and the Southeast United States collected through the Dairy Herd Improvement (DHI) program. These benchmark data are intended for dairy producers, the allied dairy industry, dairy Extension personnel, and dairy students. Benchmarking is a process that a dairy farm can use to evaluate and compare itself in chosen areas to an external reference point to monitor and improve its practices. Benchmark data are also useful in teaching.

Tables 1 and 2 show technical data collected in Florida herds from 1993 to 2012 from a variety of published sources. The number of dairy cows enrolled in the Florida DHI program decreased from 55,648 head in 1993 to 45,954 head in 2012 after a low of 30,879 head in 2002. This number (45,954 head) is approximately 40% of the dairy cows in Florida in 2012. Notable changes from 1993 to 2012 are the increase in herd size, increase in milk production per cow, variation in days open, and the decrease in percent left herd.

For more information on the definition and calculation of the various technical dairy measures used in the tables in this publication, see the *DHI Glossary* (October 2011) from Dairy Records Management Systems in Raleigh, NC, the processor of the DHI records (available at http://www.drms.org/PDF/materials/glossary.pdf).

The 2012 results for herds in Florida and the Southeast have been sorted by herd size (Table 3), milk production (Table 4), somatic cell count (Table 5), pregnancy rate (Table 6), and percent of herd bred to proven AI (artificial insemination) sires (Table 7). The data were sorted to have a similar number of Florida herds in each of the three categories. Then those categories were also used for the results in the Southeast region, although the number of Southeast herds in each category may not be similar.

Table 3 shows the data sorted by herd size. On average, larger herds produced more milk per cow, had better milk quality, and had better reproduction. Table 4 shows the data sorted by rolling milk, which is the total milk produced in the last 365 days. Herds that produced more milk per cow were on average larger, had better milk quality, had better reproduction, and used genetically superior sires. Table 5 shows data sorted by somatic cell counts, expressed in thousands of cells per ml. Somatic cell count is a measure of milk quality. Herds with better milk quality were on average larger and produced more milk per cow. Table 6 shows data sorted by pregnancy rate. Herds with greater pregnancy rates were on average larger, produced more milk per cow, and had better milk quality. Finally, Table 7 shows data sorted by herd bred to proven AI bulls (%). Herds with a greater percentage of their animals bred to proven AI bulls were on average larger and produced more milk per cow per year. Reproduction was better, too.

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A national, uniform set of technical performance measures for dairy herds does not exist. Therefore, these benchmark statistics may be compared to similar data found at various websites, including the USDA (http://www.aphis.usda.gov/animal_health/nahms/dairy/index.shtml; http://aipl.arsusda.gov) and the University of Wisconsin (http://future.aae.wisc.edu).

Table 1. Florida dairy herd performance averages from 1993 to 2001.[1]

Measure	1993	1994	1995	1996	1997	1998	2000	2001
No. Cows	55,648	50,780	43,476	34,374	39,658	34,017	37,278	33,488
No. Herds	122	112	90	71	79	69	57	52
Average Herd Size	456	453	483	554	502	492	654	644
In Milk on Test Day, %	86	87	87	87	87	87	86	84
Pounds of Milk per Year	17,761	18,359	17,906	18,037	18,269	18,128	19,054	18,661
Peak Milk - 1st Calf (lbs/day)	67	70	68	68	64	66	71	69
Peak Milk - 2nd & Later (lbs/day)	88	90	87	87	82	82	88	87
Fat %	3.5	3.6	3.7	3.7	3.7	3.7	3.5	3.6
Pounds of Fat	622	669	656	666	669	670	676	672
Pounds of Protein	592	621	607	601	584	579	610	593
Value of Milk ($/cow/year)	2,658	2,571	2,595	2,884	3,036	2,898	2,799	3,048
Projected Minimum Calving Interval (months)	14.1	14.5	14.4	14.4	14.7	15.3	15.2	15.7
Days Dry	69	67	67	69	70	69	72	74
% Cows Dry > 70 Days	19	18	18	20	18	19	19	21
Days to 1st Breeding	77	80	83	86	93	96	96	97
Days Open	148	160	158	159	166	185	183	197
% Cows Open > 100 at 1st Breeding	14	15	16	18	27	32	29	34
No. Breeding per Conception	4.0	4.4	4.1	3.9	3.4	3.3	3.1	3.5
% Possible Breeding Serviced	52	51	48	46	34	31	29	26
Age at 1st Calving (months)	25	25	25	25	25	25	25	25
Age - All Cows (months)	44	44	43	44	44	44	43	44
% with Sire Identity	34	34	36	35	35	37	29	33
Average PTA$ Sires	151	165	67	82	88	102	122	147
Average PTA$ Service Sires	210	231	141	144	150	173	111	298
% Left Herd	40	40	40	38	37	36	32	33

[1] Source: Southeast Dairy Herd Improvement Association (DHIA), September 30, of the respective year. Cows in herds on official types of test. Accessed December 21, 2012, http://www.animal.ufl.edu/dhia.
Note: For a further explanation of measures used in this table, visit http://www.drms.org/PDF/materials/glossary.pdf.

Table 2. Florida dairy herd performance averages from 2002 to 2012.

Measure	2002[1,2]	2003[1,3]	2004[1,3]	2005[1,3]	2006[1,3]	2007[1,3]	2008[1,3]	2010[1,3]	2012[4]
No. Cows	30,879	56,366	57,510	54,375	54,978	51,406	51,711	47,128	45,954
No. Herds	47	92	82	71	66	62	59	58	56
Average Herd Size	657	613	698	766	833	829	876	812	821
In Milk on Test Day, %	85	84	84	86	85	86	86	87	83
Pounds of Milk per Year	19,461	18,160	18,307	18,987	18,835	19,607	18,982	19,825	18,751
Peak Milk - 1st Calf (lbs/day)	72	70	68	72	72	74	75	70	68
Peak Milk - 2nd & Later (lbs/day)	87	88	87	85	91	94	93	91	80
Fat %	3.7	3.8	4.0	3.7	3.6	3.6	3.4	3.4	3.5
Pounds of Fat	729	683	672	716	687	705	655	669	661
Pounds of Protein	599	541	546	577	546	566	540	553	554
Value of Milk ($/cow/year)	3,065	2,579	3,210	3,211	2,982	3,558	3,904	3,355	4,107
Projected Minimum Calving Interval (months)	15.6	16.0	15.6	15.5	15.7	15.7	15.3	15.2	14.8
Days Dry	75	78	77	75	72	74	73	72	NA*
% Cows Dry > 70 Days	21	37	36	19	18	20	19	30	32
Days to 1st Breeding	102	107	106	112	110	109	107	103	102
Days Open	194	197	192	193	196	197	190	182	165
% Cows Open > 100 at 1st Breeding	22	33	28	31	27	25	25	20	32
No. Breeding per Conception	3.3	3.0	3.0	2.8	2.8	3.1	2.7	2.8	3.0
% Possible Breeding Serviced	28	26	25	26	25	26	24	28	NA
Age at 1st Calving (months)	25	25	25	26	26	25	25	25	25
Age - All Cows (months)	65	44	43	44	44	45	66	42	NA
% with Sire Identity	33	23	25	29	35	36	37	42	34
Average PTA$ Sires	177	86	149	98	119	127	163	152	NA
Average PTA$ Service Sires	329	344	354	239	304	291	343	336	NA
% Left Herd	34	39	33	31	34	32	33	34	44
Preg Rate-Year Ave, %	NA	NA	NA	NA	NA	NA	NA	NA	12.9
SCC Actual (x1000)	NA	NA	NA	NA	NA	NA	NA	NA	291

[1]Source: Southeast DHIA, September 30, of the respective year.
[2]Source: Southeast DHIA, Cows in Herds on official types of test (01–34).
[3]Source: Southeast DHIA, Cows in Herds on all types of test (01–74).
[1,2,3] Source: Appendix, Florida Dairy Production Conference, accessed December 21, 2012, http://dairy.ifas.ufl.edu.
[4] Source: Dairy Records Management Systems, accessed December 21, 2012, http://www.drms.org.
*NA = not available
Note: For a further explanation of measures used in this table, visit http://www.drms.org/PDF/materials/glossary.pdf.

Table 3. Florida and Southeast DHIA dairy herd performance averages sorted by "Number of cows-All lactations" (2012).[1]

Measure	Florida			Southeast[2]		
	< 400	400–700	> 700	< 400	400–700	> 700
Number of herds	17	17	17	363	41	30
Number of cows-All Lact	243	549	994	147	528	1,018
Number of cows-1st Lact	96	216	395	559	205	398
Days in Milk	172.8	171.4	163.3	169.7	170.4	161.9
Cows left herd-All Lact, %	43.9	45.1	42.8	39.8	40.5	42.7
Cows died-All Lact, %	9.1	8.0	8.0	6.2	7.4	7.0
Cows left herd for Repro-All Lact, %	7.1	4.8	6.0	7.3	6.0	5.6
Milk blend price, $/cwt	21.2	21.8	21.4	21.1	21.8	21.1
Production						
Rolling Milk, lbs/year	15,631	18,383	20,666	17,775	18,745	20,819
Rolling Fat, lbs/year	533.0	681.4	757.6	664.2	735.7	783.5
Rolling Protein, lbs/year	464.3	562.6	639.6	553.1	598.3	647.7
Summit Milk 1st Lact	54.4	62.3	67.9	59.0	63.3	68.3
Summit Milk 3rd+ Lact	72.3	85.8	94.3	80.3	85.6	93.8
Peak Milk 1st Lact	58.9	67.9	74.5	63.5	68.5	73.9
Peak Milk 3rd+ Lact	77.3	92.4	101.4	85.7	91.6	100.3
Proj 305 Day ME Milk	17,007	20,685	21,812	19,386	20,816	21,681
Standardized 150 Day Milk	56.2	61.6	66.8	59.8	63.0	68.1
Udder Health						
SCC Actual (x1000)	392.6	326.9	300.0	325.7	321.0	285.6
SCC Score	3.5	3.1	3.0	3.2	3.2	2.9
SCC Score for 1st Lact Cows	3.3	2.8	2.8	2.9	2.9	2.6
SCC Score for 2nd Lact Cows	3.4	3.0	2.9	3.0	3.1	2.8
SCC Score for 3rd+ Lact Cows	3.7	3.5	3.4	3.6	3.6	3.3
Reproduction						
Preg Rate-Year Ave, %	8.2	12.3	15.6	13.4	14.0	15.4
Actual Calving Interval, mo	14.8	13.8	13.5	14.4	14.1	13.5
Births 4+ Calving Diff-1st Lact,%	10.5	2.8	1.5	4.8	8.0	1.7
Days to 1st Serv-Total Herd	116.2	100.5	93.4	104.4	94.9	90.6
Con Rate for Past 12M-1st Serv	55.4	54.1	55.1	50.0	49.6	51.0
Dry Less Than 40 Days, %	15.8	9.8	12.2	14.6	11.5	10.8
Dry Less Than 70 Days, %	38.4	34.1	26.1	31.3	31.6	24.9
Genetics						
Herd Bred to Proven AI Bulls, %	29.2	36.7	60.4	55.0	44.5	57.6
Herd Bred to Non-AI Bulls, %	56.5	49.2	45.6	37.3	36.2	44.2
Heifers ID by Sire, %	61.5	77.1	56.3	79.0	85.0	60.4
Cows ID by Sire, %	26.8	42.5	29.1	55.9	50.2	30.9
Rep/Rate (#hfr/#cows)*100	21.5	64.4	77.5	82.1	73.9	77.1
Rep/Rate (#hfr 0-12 Mo/#cows)*100	27.8	33.9	33.0	36.8	37.8	36.7

[1, 2] Source: Dairy Records Management Systems, accessed December 21, 2012, http://www.drms.org.
[2] DHIA herds in Alabama, Florida, Georgia, Louisiana, Mississippi, South Carolina, and Tennessee.
Note: For a further explanation of measures used in this table, visit http://www.drms.org/PDF/materials/glossary.pdf.

Table 4. Florida and Southeast DHIA dairy herd performance averages sorted by "Rolling Milk (lbs/cow/year)" (2012).[1]

Measure	Florida			Southeast[2]		
	< 17,500	17,500–20,500	> 20,500	< 17,500	17,500–20,500	> 20,500
Number of herds	18	18	17	175	133	109
Number of cows-All Lact	456.3	625.6	1,311.2	200	264.7	516.9
Number of cows-1st Lact	210.9	230.6	502.1	73.3	102.4	201.3
Days in Milk	166.9	169.9	175.0	167.3	170.6	172.3
Cows left herd-All Lact, %	43.1	45.1	42.7	37.2	7.9	43.1
Cows died-All Lact, %	9.6	8.3	7.2	6.6	7.1	6.2
Cows left herd for Repro-All Lact, %	5.5	4.2	9.4	6.3	7.9	8.6
Milk blend price, $/cwt	21.5	21.2	21.4	21.3	21.1	20.6
Production						
Rolling Milk, lbs/year	14,602	18,994	22,858	14,727	18,885	22,935
Rolling Fat, lbs/year	469.3	675.8	823.7	567.1	696.7	837.7
Rolling Protein, lbs/year	403.2	581.8	670.1	468.0	582.2	694.8
Summit Milk 1st Lact	53.9	64.4	72.2	50.5	63.5	73.7
Summit Milk 3rd+ Lact	71.0	87.8	101.8	68.6	85.0	102.3
Peak Milk 1st Lact	59.2	69.7	78.8	54.5	68.1	78.9
Peak Milk 3rd+ Lact	76.9	94.1	108.8	73.7	90.4	108.6
Proj 305 Day ME Milk	16,949	21,000	23,368	16,614	20,910	24,215
Standardized 150 Day Milk	52.7	62.8	73.3	50.3	63.7	76.0
Udder Health						
SCC Actual (x1000)	422.5	363.9	240.7	345.9	341.1	253.9
SCC Score	3.4	3.3	2.8	3.3	3.2	2.8
SCC Score for 1st Lact Cows	3.4	3.1	2.4	3.0	2.9	2.6
SCC Score for 2nd Lact Cows	3.1	3.2	2.7	3.1	3.1	2.7
SCC Score for 3rd+ Lact Cows	3.6	3.7	3.2	3.7	3.6	3.2
Reproduction						
Preg Rate-Year Ave, %	8.6	13.8	16.6	13.6	13.7	14.3
Actual Calving Interval, mo	14.4	13.9	13.6	14.3	14.4	14.3
Births 4+ Calving Diff-1st Lact,%	1.0	8.3	3.3	1.6	7.7	4.0
Days to 1st Serv-Total Herd	122.9	98.6	80.3	106.3	104.1	92.6
Con Rate for Past 12M-1st Serv	70.7	54.2	33.6	53.9	51.8	41.3
Dry Less Than 40 Days, %	16.8	12.9	6.5	15.7	14.2	9.2
Dry Less Than 70 Days, %	39.7	32.1	22.1	35.7	29.5	23.4
Genetics						
Herd Bred to Proven AI Bulls, %	28.4	44.1	53.1	51.6	54.7	56.8
Herd Bred to Non-AI Bulls, %	72.0	50.6	13.6	44.8	39.2	18.1
Heifers ID by Sire, %	40.7	71.3	81.6	74.6	80.9	85.2
Cows ID by Sire, %	17.4	31.2	53.4	47.5	54.6	67.2
Rep/Rate (#hfr/#cows)*100	35.5	75.2	89.3	75.5	87.0	94.7
Rep/Rate (#hfr 0-12 Mo/#cows)*100	14.5	34.6	42.3	33.2	38.4	45.3

[1, 2] Source: Dairy Records Management Systems, accessed December 21, 2012, http://www.drms.org.
[2] DHIA herds in Alabama, Florida, Georgia, Louisiana, Mississippi, South Carolina, and Tennessee.
Note: For a further explanation of measures used in this table, visit http://www.drms.org/PDF/materials/glossary.pdf.

Table 5. Florida and Southeast DHIA dairy herd performance averages sorted by "SCC Actual (x1000)" (2012).[1]

Measure	Florida			Southeast[2]		
	< 245	245–375	376–1,200	< 245	245–375	376–1,200
Number of herds	11	10	10	121	136	112
Number of cows-All Lact	1,130.4	827.7	550.8	298.2	248.7	204.7
Number of cows-1st Lact	429.0	315.9	198.2	115.5	94.5	74.7
Days in Milk	163.2	169.6	174.0	164.2	172.0	173.0
Cows left herd-All Lact, %	44.7	44.4	40.9	41.6	39.0	40.0
Cows died-All Lact, %	7.8	7.0	9.7	6.1	5.9	6.5
Cows left herd for Repro-All Lact, %	9.5	5.9	3.6	7.9	7.7	5.7
Milk blend price, $/cwt	21.4	21.8	20.5	21.3	21.1	20.9
Production						
Rolling Milk, lbs/year	20,567	19,965	16,940	19,292	18,137	17,234
Rolling Fat, lbs/year	784.3	741.9	597.5	731.9	676.4	643.3
Rolling Protein, lbs/year	649.5	612.3	505.3	600.1	562.5	537.8
Summit Milk 1st Lact	64.9	66.1	57.6	62.3	60.4	58.0
Summit Milk 3rd+ Lact	88.2	91.5	80.0	86.2	82.3	77.3
Peak Milk 1st Lact	70.5	71.6	63.6	66.8	65.3	62.6
Peak Milk 3rd+ Lact	94.5	97.8	86.0	91.6	87.6	83.3
Proj 305 Day ME Milk	19,631	22,096	19,089	20,370	20,048	18,827
Standardized 150 Day Milk	68.3	66.7	60.6	64.7	61.3	57.4
Udder Health						
SCC Actual (x1000)	205.2	314.4	487.7	184.9	304.6	491.6
SCC Score	2.8	3.1	3.6	2.6	3.2	3.7
SCC Score for 1st Lact Cows	2.5	2.9	3.4	2.4	2.9	3.4
SCC Score for 2nd Lact Cows	2.8	3.1	3.4	2.5	3.1	3.5
SCC Score for 3rd+ Lact Cows	3.1	3.4	3.9	2.9	3.6	4.2
Reproduction						
Preg Rate-Year Ave, %	14.2	14.3	13.1	15.1	13.9	13.5
Actual Calving Interval, mo	13.8	13.8	14.6	14.2	14.4	14.4
Births 4+ Calving Diff-1st Lact,%	2.8	11.0	2.5	5.5	5.0	5.3
Days to 1st Serv-Total Herd	91.4	90.0	103.7	95.3	102.8	104.1
Con Rate for Past 12M-1st Serv	42.0	38.9	49.5	45.1	51.1	45.4
Dry Less Than 40 Days, %	6.3	8.7	14.0	9.5	13.1	18.2
Dry Less Than 70 Days, %	31.4	31.0	36.5	29.7	31.3	30.5
Genetics						
Herd Bred to Proven AI Bulls, %	47.4	46.5	44.1	56.3	54.5	53.6
Herd Bred to Non-AI Bulls, %	38.0	26.5	36.9	27.0	38.5	32.6
Heifers ID by Sire, %	59.6	88.9	59.9	81.5	78.8	77.0
Cows ID by Sire, %	33.3	46.4	30.1	69.4	52.2	52.2
Rep/Rate (#hfr/#cows)*100	65.2	92.8	67.9	89.3	80.8	83.8
Rep/Rate (#hfr 0-12 Mo/#cows)*100	32.6	42.6	25.3	41.9	36.8	37.0

[1,2] Source: Dairy Records Management Systems, accessed December 21, 2012, http://www.drms.org.
[2] DHIA herds in Alabama, Florida, Georgia, Louisiana, Mississippi, South Carolina, and Tennessee.
Note: For a further explanation of measures used in this table, visit http://www.drms.org/PDF/materials/glossary.pdf.

Table 6. Florida and Southeast DHIA dairy herd performance averages sorted by "Pregnancy rate year average (%)" (2012).[1]

Measure	Florida			Southeast[2]		
	< 12	12–14	15–40	< 12	12–14	15–40
Number of herds	18	15	17	102	70	105
Number of cows-All Lact	407.6	699.9	1,314.5	270.4	393.8	479.5
Number of cows-1st Lact	183.2	253.9	505.0	111.4	146.0	177.1
Days in Milk	168.4	174.7	166.5	180.1	168.2	141.7
Cows left herd-All Lact, %	49.1	41.5	41.4	44.3	39.8	39.4
Cows died-All Lact, %	9.3	7.5	7.5	7.3	7.5	5.9
Cows left herd for Repro-All Lact, %	5.0	7.4	6.6	7.2	8.9	8.0
Milk blend price, $/cwt	21.4	21.4	21.6	21.2	21.3	21.1
Production						
Rolling Milk, lbs/year	15,604	19,760	21,315	18,228	19,391	19,236
Rolling Fat, lbs/year	507.7	688.8	805.8	679.3	710.2	742.0
Rolling Protein, lbs/year	449.7	572.6	660.6	568.5	591.0	598.5
Summit Milk 1st Lact	55.6	66.4	68.6	62.1	64.0	63.0
Summit Milk 3rd+ Lact	74.4	89.7	95.6	83.7	87.3	86.3
Peak Milk 1st Lact	61.4	71.7	75.0	66.8	68.7	67.6
Peak Milk 3rd+ Lact	81.4	95.5	102.2	89.7	93.1	91.7
Proj 305 Day ME Milk	16,874	21,725	22,468	20,053	20,950	20,652
Standardized 150 Day Milk	56.6	65.4	68.9	62.6	64.5	63.6
Udder Health						
SCC Actual (x1000)	372.0	337.0	289.5	340.1	306.5	290.1
SCC Score	3.4	3.2	3.0	3.2	3.1	3.0
SCC Score for 1st Lact Cows	3.1	2.9	2.8	3.0	2.8	2.8
SCC Score for 2nd Lact Cows	3.3	3.1	2.9	3.1	3.1	2.8
SCC Score for 3rd+ Lact Cows	3.6	3.5	3.3	3.6	3.5	3.3
Reproduction						
Preg Rate-Year Ave, %	6.6	13.3	18.8	8.5	13.1	19.3
Actual Calving Interval, mo	14.6	13.8	13.4	14.6	14.2	13.5
Births 4+ Calving Diff-1st Lact,%	1.0	7.3	3.3	4.1	7.1	3.8
Days to 1st Serv-Total Herd	125.0	93.0	80.4	109.4	95.6	83.3
Con Rate for Past 12M-1st Serv	67.1	44.0	41.9	55.0	45.9	47.7
Dry Less Than 40 Days, %	16.6	11.1	5.1	14.8	12.6	8.7
Dry Less Than 70 Days, %	44.3	24.9	26.2	33.6	25.2	27.3
Genetics						
Herd Bred to Proven AI Bulls, %	45.4	27.6	55.6	47.5	50.7	52.7
Herd Bred to Non-AI Bulls, %	70.9	40.8	26.4	53.1	31.9	31.0
Heifers ID by Sire, %	43.4	76.0	78.1	75.1	80.8	87.8
Cows ID by Sire, %	20.7	36.5	48.5	45.7	51.7	64.5
Rep/Rate (#hfr/#cows)*100	30.8	70.9	104.1	74.1	81.8	92.6
Rep/Rate (#hfr 0-12 Mo/#cows)*100	13.7	33.9	49.4	31.9	38.4	46.6

[1,2] Source: Dairy Records Management Systems, accessed December 21, 2012, http://www.drms.org.
[2] DHIA herds in Alabama, Florida, Georgia, Louisiana, Mississippi, South Carolina, and Tennessee.
Note: For a further explanation of measures used in this table, visit http://www.drms.org/PDF/materials/glossary.pdf.

Table 7. Florida and Southeast DHIA dairy herd performance averages sorted by "Herd bred to proven AI Bulls (%)" (2012).[1]

Measure	Florida			Southeast[2]		
	0–28	29–60	61–100	0–28	29–60	61–100
Number of herds	14	12	12	74	102	147
Number of cows-All Lact	833.4	624.7	1,120.3	341.0	318.9	291.4
Number of cows-1st Lact	309.4	252.8	429.8	131.2	123.7	108.5
Days in Milk	173.1	197.3	170.8	168.6	177.2	171.5
Cows left herd-All Lact, %	41.6	41.3	41.8	43.5	40.8	39.3
Cows died-All Lact, %	7.5	9.0	7.0	6.1	7.3	6.2
Cows left herd for Repro-All Lact, %	4.9	9.4	8.3	6.0	8.1	8.6
Milk blend price, $/cwt	21.7	21.1	20.9	21.5	21.0	21.0
Production						
Rolling Milk, lbs/year	18,882	17,965	21,783	18,830	18,826	18,808
Rolling Fat, lbs/year	670.6	637.6	802.5	708.3	717.4	690.9
Rolling Protein, lbs/year	560.2	551.2	653.4	576.9	589.9	580.2
Summit Milk 1st Lact	64.1	59.0	70.3	62.3	62.6	61.6
Summit Milk 3rd+ Lact	85.9	81.5	99.3	84.5	86.5	85.2
Peak Milk 1st Lact	69.2	63.3	76.8	67.1	67.1	66.2
Peak Milk 3rd+ Lact	91.4	86.6	106.9	90.0	91.8	90.7
Proj 305 Day ME Milk	20,811	19,205	22,161	20,433	20,639	20,384
Standardized 150 Day Milk	63.3	65.0	70.0	63.6	64.4	62.5
Udder Health						
SCC Actual (x1000)	333.9	353.4	328.2	320.1	309.2	301.2
SCC Score	3.1	3.3	3.2	3.1	3.1	3.1
SCC Score for 1st Lact Cows	2.9	3.1	2.9	2.9	2.8	2.8
SCC Score for 2nd Lact Cows	3.0	3.1	3.1	2.8	3.0	2.9
SCC Score for 3rd+ Lact Cows	3.4	3.5	3.5	3.5	3.5	3.4
Reproduction						
Preg Rate-Year Ave, %	13.4	13.1	16.5	13.8	13.5	15.0
Actual Calving Interval, mo	13.9	14.7	13.8	14.1	14.7	14.4
Births 4+ Calving Diff-1st Lact,%	9.4	2.9	2.1	6.5	5.1	4.2
Days to 1st Serv-Total Herd	98.1	93.3	83.5	97.9	99.1	97.3
Con Rate for Past 12M-1st Serv	47.5	35.8	34.6	47.7	42.6	42.4
Dry Less Than 40 Days, %	13.1	10.3	6.2	12.0	11.8	10.3
Dry Less Than 70 Days, %	27.8	33.6	27.0	30.7	29.6	26.9
Genetics						
Herd Bred to Proven AI Bulls, %	11.0	39.9	85.2	14.7	43.9	81.7
Herd Bred to Non-AI Bulls, %	47.8	24.0	4.8	45.5	24.3	7.9
Heifers ID by Sire, %	68.0	87.1	73.7	83.3	82.9	83.4
Cows ID by Sire, %	34.1	60.2	44.8	61.1	67.6	68.3
Rep/Rate (#hfr/#cows)*100	59.0	84.0	100.8	85.9	98.6	91.9
Rep/Rate (#hfr 0-12 Mo/#cows)*100	30.0	40.5	40.1	39.4	46.6	41.2

[1,2] Source: Dairy Records Management Systems, accessed December 21, 2012, http://www.drms.org.
[2] DHIA herds in Alabama, Florida, Georgia, Louisiana, Mississippi, South Carolina, and Tennessee.
Note: For a further explanation of measures used in this table, visit http://www.drms.org/PDF/materials/glossary.pdf.