

Table 1. Participation in Various DHIA Testing Program

Type of Test	Total Herds	%	Cows	Cows/Herd	Milk	Fat	Protein	% Shipped
DHI	53	5.02	5,811	109.6	21,151	814	681	101
DHI-APT	168	15.9	19,349	98.0	19,348	802	611	100
DHI-APCS	35	3.3	5,133	146.6	20,364	761	638	101
DHIR	29	2.7	2,782	95.9	20,106	718	652	100
DHIR-APT	57	5.4	5,639	98.9	19,391	738	626	101
DHIR-APCS	14	1.3	2,345	167.5	21,757	802	691	102
DHIR-AP	67	6.3	6,075	90.6	20,309	761	655	100
DHI-AP	432	40.9	51,460	119.1	19,656	718	618	100
OS	29	2.7	2,045	70.5	17,433	646	553	103
OS-AP	142	13.4	18,457	129.9	19,324	683	604	101
OS-APCS	22	2.0	2,375	107.9	20,008	723	625	102
OS-MO	1	.1	109	109.5	17,797	—	—	105
OS-MO-AP	7	.66	566	80.9	16,064	—	—	99
	1,054		122,146	113	19,717	722	622	101

Table 2. Statistical Summary of HOA DHI Herds for 2000

Avg. milk/cow/year (lb)	19,717
Number of DHI herds	1,056
Cows/herd	113
Avg percent fat	3.67
Avg percent protein	3.20
Avg percent in milk	86.3
Avg calving interval	430.9
Avg somatic cell count (000)	394
Value of milk/cow	2,329
Avg milk price / cwt (\$)	11.79
Total feed costs / cow (\$)	969
Income over feed cost / cow (\$)	1352
Feed cost / cwt milk (\$)	4.99

Table 3. Quartiles by Breed

Quartiles	Ayrshire			
	1	2	3	4
Milk (lb)	12,988	14,366	16,278	20,149
Milk fat (lb)	512	551	584	711
Protein (lb)	429	475	527	660
Calving interval (days)	428	431	417	410
Somatic Cell Count (000)	300	416	304	226
Income over feed costs (\$)	390	596	837	1647

Table 4. Quartiles by Breed

Quartiles	Brown Swiss			
	1	2	3	4
Milk (lb)	13,852	15,263	17,034	21,170
Milk fat (lb)	550	635	695	825
Protein (lb)	494	541	594	719
Calving interval (days)	449	440	437	433
Somatic Cell Count (000)	291	353	375	602
Income over feed costs (\$)	859	969	1200	1588

Table 5. Quartiles by Breed

Quartiles	Guernsey			
	1	2	3	4
Milk (lb)	12,493	13,973	14,843	16,441
Milk fat (lb)	551	697	675	712
Protein (lb)	430	486	516	555
Calving interval (days)	479	432	475	443
Somatic Cell Count (000)	332	211	214	—
Income over feed costs (\$)	870	1,285	1,012	1,233

Table 6. Quartiles by Breed

Quartiles	Holstein			
	1	2	3	4
Milk (lb)	14,939	18,170	20,375	23,493
Milk fat (lb)	545	655	741	850
Protein (lb)	473	571	640	734
Calving interval (days)	435	432	428	430
Somatic Cell Count (000)	486	399	364	371
Income over feed costs (\$)	918	1,164	1,392	1,727

Table 7. Quartiles by Breed

Quartiles	Jersey			
	1	2	3	4
Milk (lb)	11,592	13,431	14,837	17,433
Milk fat (lb)	521	611	692	790
Protein (lb)	429	494	546	627
Calving intervals (days)	408	414	426	400
Somatic Cell Count (000)	496	396	300	257
Income over feed costs (\$)	936	1,084	1,416	1,501

Table 8. Quartiles by Breed

Quartiles	Milking Shorthorn			
	1	2	3	4
Milk (lb)	10,234	14,334	15,069	15,353
Milk fat (lb)	333	512	493	574
Protein (lb)	335	461	477	504
Calving interval (days)	434	413	438	392
Somatic Cell Count (000)	255	278	235	225
Income over feed costs (\$)	0	1,044	1,225	960

Table 9. Why Cows are Leaving the Herd?

Reason	Number	Percent
Dairy	3470	7.3
Died	8673	18.3
Disease	2279	4.8
Feed	2289	4.8
Injury	5990	12.6
Low production	4769	10.1
Mastitis	5827	12.3
Not reported	3960	8.3
Reproduction	8745	18.5
Udder	1236	2.6

Table 10. HOA Breed Averages

	No. of Herds	Milk	Fat	Protein	IOFC	Freshening Interval	SSC Avg (000)
Ayrshire	11	15,345	574	504	767	424	322
Brown Swiss	36	16,830	677	587	1,186	440	409
Guernsey	7	14,053	638	485	1,029	466	263
Holstein	951	19,955	726	627	1,365	431	396
Jersey	45	14,469	660	529	1,257	412	356
Milking Shorthorn	6	14,711	512	472	1,098	419	253

Table 11. HOA District Averages — 2000

	Herds	Cows	Cows/ herd	Milk	Fat	Protein	Income \$	IOFC \$	Milk Price
N. Dakota	77	7,830	101	19,437	695	599	2,277	1,403	11.67
S. Dakota	213	22,364	114	19,365	725	612	2,353	1,456	12.12
Nebraska	267	31,661	118	20,467	770	648	2,368	1,384	11.47
Kansas	326	34,769	106	20,252	744	640	2,343	1,293	11.48
Arkansas	61	6,433	105	16,627	584	530	2,184	1,271	13.13
Oklahoma	112	16,278	145	18,956	648	595	2,274	1,259	12.14

Table 12. HOA Five-year Rolling Herd Average

	1996	1997	1998	1999	2000
Milk	17,957	18,270	18,526	19,035	19,717
Fat	653	657	671	691	722
Protein	580	582	595	620	622

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