

# 1984 Sire Summary

(Continued from Page D28)

REGISTRATION			MILK AND FAT										PROTEIN AND SNF						
NUMBER	NAME OF BULL	NAAB CODE	PCI ILE	NO HRDS	NO DTRS	% CUL	% RIP	RPT %	PREDICTED MILK	DIFFERENCE % FAT	-82 \$	PDB2 \$	PDB2 %	PDB2 LBS	RPT %	NO HRDS	NO DTRS		
377250	CLASS REUNION	21M516	12	51	144	19	14	83	+225	+04	+13	+37	PRO	+44	+05	+13	59	29	59
381576	KRAUSE'S SELMA'S SARGENT	21M517	62	14	21	***	48	39	+1033	-01	+37	+130							

## Red and White

REGISTRATION			MILK AND FAT										PROTEIN AND SNF					
NUMBER	NAME OF BULL	NAAB CODE	PCI ILE	NO HRDS	NO DTRS	% CUL	% RIP	RPT %	PREDICTED MILK	DIFFERENCE % FAT	-82 \$	PDB2 \$	PDB2 %	PDB2 LBS	RPT %	NO HRDS	NO DTRS	
4613	LARRY MOORE RED CHAMPION	2032	0	19	36	**	0	61	+250	+05	+17	+45						

### Summary of Average Evaluations from the July 1984 Modified Contemporary Comparison

Each artificial-insemination (AI) organization has had the opportunity to examine the current Modified Contemporary Comparison Sire Summary for its own bulls and to decide which progeny-test bulls to code as "active" and which previously active bulls to remove from "active" status. Consequently, all bulls listed in the current USDA-DHIA Active AI Sire Summary should be readily available through established AI marketing systems.

The Predicted Differences (PD's) for milk (PDM) and fat (PDF) yields and fat percentage (PD%) are expressed relative to the 1982 genetic bases for those traits. Therefore, the PD's from the July 1984 Sire Summary run, especially those for milk and fat yields, are of a different magnitude from those from runs prior to January 1984. Dairy producers are encouraged to pay close attention to the percentile ranking of each bull to help interpret the genetic superiority represented by the PD's for yield traits relative to the 1982 genetic bases.

Table 1 reports the average PD82's for PDM, PD%, PDF, and PD\$ for each breed and service group. Tables 2 and 3 show the distribution of PDM and PD\$ for active AI bulls.

Table 1.--Average PD82's for bulls summarized in July 1984

Breed	All bulls <sup>1</sup>					Active AI bulls					Non-AI bulls				
	Number	PDM	PD%	PDF	PD\$	Number	PDM	PD%	PDF	PD\$	Number	PDM	PD%	PDF	PD\$
Ayrshire-----	210	-200	0.00	-8	-27	16	+315	-0.03	+8	+34	138	-280	-0.01	-12	-38
Guernsey-----	598	-193	-.02	-11	-31	32	+513	-.06	+17	+62	416	-258	-.01	-13	-39
Holstein-----	10,191	-392	+0.01	-12	-46	489	+606	-.01	+20	+73	7,068	-552	+0.02	-17	-64
Jersey-----	852	-275	+0.02	-11	-36	56	+489	-.04	+19	+64	627	-397	+0.04	-15	-51
Brown Swiss-----	298	-278	+0.02	-8	-32	36	+391	+0.01	+17	+54	180	-438	+0.02	-15	-54
Milking Shorthorn---	118	-38	-.01	-2	-6	8	+654	-.01	+23	+81	87	-81	-.01	-4	-12
Red and White-----	87	-53	+0.01	-1	-5	1	+250	+0.05	+17	+45	67	-95	.00	-3	-11
All breeds-----	12,354	-362	---	-12	-44	638	+571	---	+19	+69	8,583	-511	---	-16	-60

<sup>1</sup> Includes AI bulls not now active.

Table 2.--Distribution of PDM by breed for active AI bulls listed in the July 1984 Modified Contemporary Comparison

Range of PDM	Number of bulls					
	Ayrshire	Guernsey	Holstein	Jersey	Brown Swiss	Milking Shorthorn
+1,600 and above---	---	---	5	---	1	---
+1,400 to +1,599---	---	---	10	1	---	---
+1,200 to +1,399---	---	---	22	---	---	1
+1,000 to +1,199---	---	2	40	2	---	2
+800 to +999---	---	3	81	7	4	---
+600 to +799---	4	6	85	12	5	1
+400 to +599---	4	8	95	11	8	---
+200 to +399---	2	9	71	7	9	3
0 to +199---	3	4	56	13	1	1
-199 to -1---	2	---	13	2	6	---
-399 to -200---	1	---	2	1	1	---
-599 to -400---	---	---	4	---	1	---
-799 to -600---	---	---	2	---	---	---
-999 to -800---	---	---	1	---	---	---
-1,000 and below---	---	---	2	---	---	---
Total-----	16	32	489	56	36	8

Table 3.--Distribution of PD\$ by breed for active AI bulls listed in the July 1984 Modified Contemporary Comparison

Range of PD\$	Number of bulls					
	Ayrshire	Guernsey	Holstein	Jersey	Brown Swiss	Milking Shorthorn
+200 to +219-----	---	---	1	---	---	---
+180 to +199-----	---	---	3	---	1	---
+160 to +179-----	---	---	6	---	---	---
+140 to +159-----	---	1	11	2	1	1
+120 to +139-----	---	---	31	1	1	2
+100 to +119-----	---	4	56	7	1	---
+80 to +99-----	3	3	111	8	7	---
+60 to +79-----	2	7	112	12	7	1
+40 to +59-----	2	6	81	11	6	2
+20 to +39-----	3	9	37	10	5	1
0 to +19-----	4	2	18	5	3	1
-19 to -1-----	1	---	11	---	---	---
-39 to -20-----	1	---	3	---	2	---
-59 to -40-----	---	---	2	---	1	---
-79 to -60-----	---	---	3	---	1	---
-99 to -80-----	---	---	---	---	---	---
-119 to -100-----	---	---	1	---	---	---
-139 to -120-----	---	---	1	---	---	---
-140 and below---	---	---	1	---	---	---
Total-----	16	32	489	56	36	8

## Percentile Tables - Ayrshire

PDS'S FROM CHEESE YIELD REQUIRED FOR SPECIFIED PERCENTILES COMPUTED FROM 16 ACTIVE AI AYRSHIRE BULLS

	9	8	7	6	5	4	3	2	1	0
100	.	.	.	.	.	.	75	.	.	76
90	.	.	.	.	.	.	.	.	.	.
80	.	.	67	.	.	.	.	.	62	.
70	.	.	.	.	56	.	.	.	.	.
60	.	53	.	.	.	.	.	39	.	.
50	.	.	.	34	.	.	.	.	.	21
40	.	.	.	.	.	.	14	.	.	.
30	.	.	6	.	.	.	.	.	5	.
20	.	.	.	.	-7	.	.	.	.	.
10	.	-8	.	.	.	.	.	-12	.	.
0	.	.	.	-53	.	.	.	.	.	-54

PDS'S FROM MILK AND FAT REQUIRED FOR SPECIFIED PERCENTILES COMPUTED FROM 16 ACTIVE AI AYRSHIRE BULLS

	9	8	7	6	5	4	3	2	1	0
100	.	.	.	.	.	.	.	.	.	91
90	.	.	.	.	.	.	84	.	.	.
80	.	.	83	.	.	.	.	.	68	.
70	.	.	.	.	63	.	.	.	.	.
60	.	57	.	.	.	.	.	42	.	.
50	.	.	.	33	.	.	.	.	.	32
40	.	.	.	.	.	.	26	.	.	.
30	.	.	19	.	.	.	.	.	14	.
20	.	.	.	.	6	.	.	.	.	.
10	.	4	.	.	.	.	.	.	-18	.
0	.	.	.	-33	.	.	.	.	.	-34

CIS'S REQUIRED FOR SPECIFIED PERCENTILES COMPUTED FROM 17,436 AYRSHIRE COWS

	9	8	7	6	5	4	3	2	1	0
100	9	8	7	6	5	4	3	2	1	0
90	76	64	58	52	48	45	42	39	37	34
80	32	30	29	27	25	24	22	21	19	18
70	16	15	14	13	11	10	9	8	6	5
60	4	3	-2	1	0	-1	-2	-3	-4	-5
50	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15
40	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25
30	-26	-27	-28	-29	-30	-31	-32	-33	-35	-36
20	-37	-38	-39	-41	-42	-43	-45	-46	-47	-49
10	-50	-52	-53	-55	-57	-59	-61	-63	-65	-68
0	-70	-74	-77	-80	-85	-89	-95	-104	-115	-191