

RECENT CHANGES IN DHIA PRODUCTION AND INCOME ABOVE FEED COSTS

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Production by Florida DHIA herds has continued to increase in recent years. During the last ten years, these herds have increased from 13,412 to 18,359 pounds of milk, annually.... an increase of 4,947 pounds over ten years or 3.7 per cent per year. Feed costs have increased by \$ 164 or 1.6 per cent per year. Income above feed costs has increased by \$438 per cow or 4.7 per cent per year.

Table 1 shows performance data for 1990 through 1994. Average production per cow shows a steady increase (Figure 1). Increases in daily production and in average peak production are evident from Figure 2.

TABLE 1

FLORIDA 1994 FIVE YEAR COW PERFORMANCE AVERAGES*

	1990	1991	1992	1993	1994
No. Cows	47,816	47,832	56,266	55,648	50,780
No. Herds	110	109	121	122	112
Average Herd Size	435	439	465	456	453
Pounds of Milk	16,877	17,443	17,807	17,761	18,359
Pounds of Milk per day	46.2	47.8	48.8	48.7	50.3
Peak Milk - 1st Calf (lbs./day)	65	67	68	67	70
Peak Milk - 2nd & Later (lbs./day)	80	83	88	88	90
Value of Milk (\$)	2,823	2,566	2,757	2,658	2,571
Cost of Concentrates (\$)	812	827	690	668	578
Total Feed Cost (\$)	1,166	1,171	1,156	1,149	1,201
Feed Cost as % of Milk (\$)	41.3	45.6	41.9	43.2	46.7
Income Above Feed Costs (\$)	1,657	1,395	1,601	1,509	1,370
Feed Cost Per CWT Milk (\$)	6.91	6.71	6.49	6.47	6.55

*September 30, of the respective year
Cows in Herds on official types of test (01 - 34)

FIGURE 1
DHIA Milk Production
 Rolling Herd Average

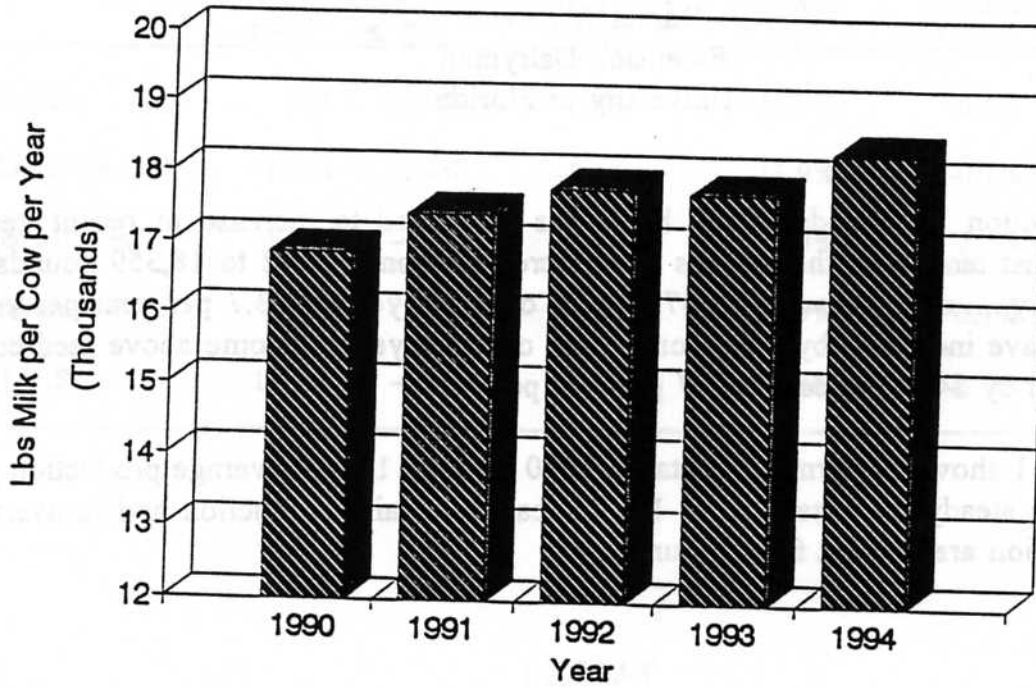
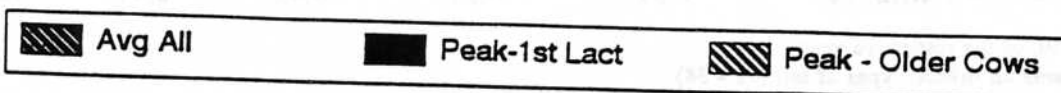
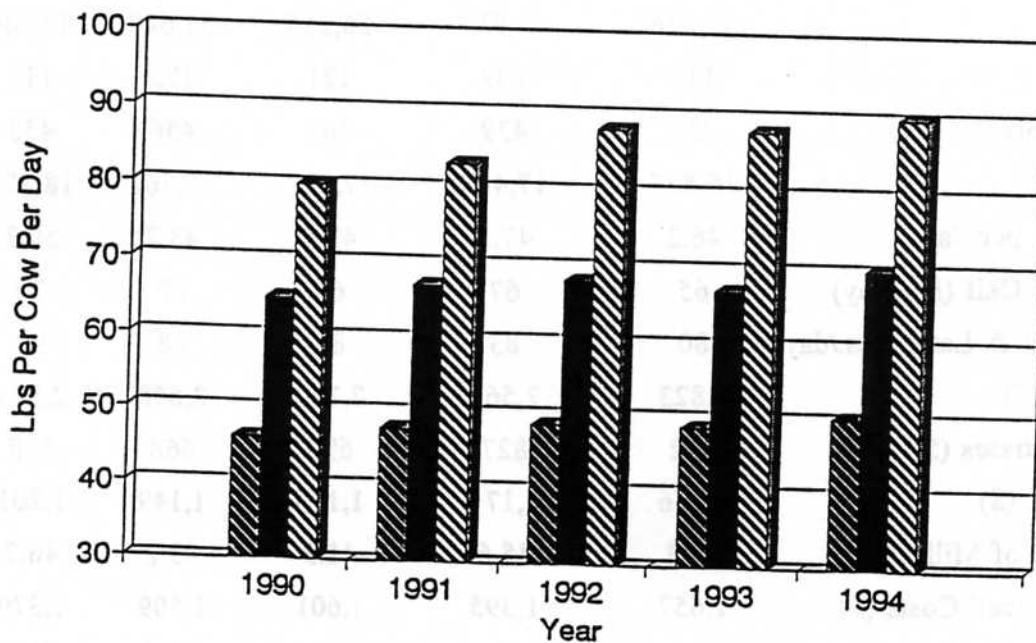


FIGURE 2
DHIA Daily Production



Changes in feed costs are shown in Figures 3, 4 and 5. Annual total feed cost per cow varied little from 1990 through 1993. Then increased by almost \$100 from 1993 to 1994 (Figure 3). Income above feed cost has varied considerably since 1990, with a high of \$1,657 per cow in 1990 to a low of \$1,370 in 1994 (Figure 4). Feed costs per hundred pounds of milk declined through 1993 then have increased in 1994 (Figure 5).

FIGURE 3
DHIA Annual Feed Costs

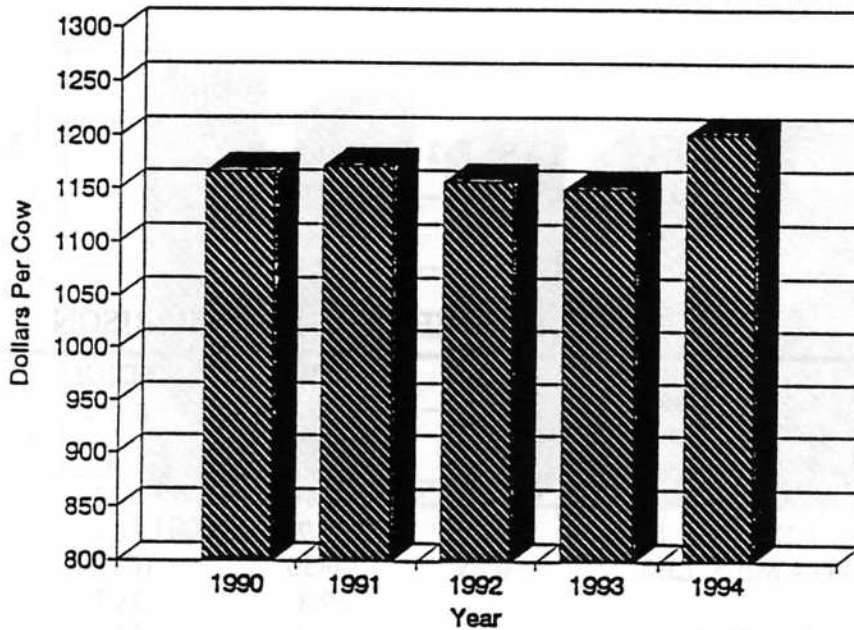


FIGURE 4
DHIA Income Above Feed Costs
Annual

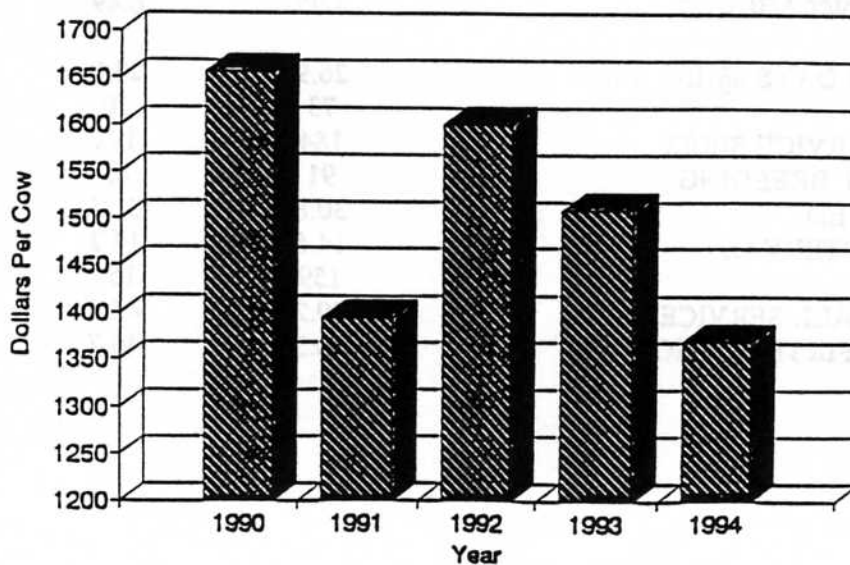


Table 2 shows a comparison among three groups of DHIA herds. Group 1 was composed of herds with average income above feed cost below \$1,000 per cow. Group 2 herds averaged between \$1,000 and \$1,400 and, group 3 included herds above \$1,400 per cow.

Group 3 herds were larger, had higher production and were more aggressively managed. While total feed costs per cow were higher, feed cost per hundred pounds of milk was lower and feed efficiency was greater. Group 3 herds also had higher peak milk yields, fewer days dry, fewer days to first service, higher heat detection, lower days open in spite of lower conception rates.

TABLE 2

FLORIDA DHIA FEED COST COMPARISON

ITEM	LOW IOFC	MEDIUM IOFC	HIGH IOFC
NO. OF HERDS	18	34	27
NO. OF COWS	271	343	648
% IN MILK	85.9	91.1	92.0
ROLLING HERD AVG - MILK LBS	14430	16873	20163
% LEFT HERD	59.8	38.1	44.9
PEAK MILK - 1ST LACTATION	56.0	63.7	73.1
PEAK MILK - 2ND LACTATION	66.7	76.4	88.7
PEAK MILK - 3+ LACTATION	71.2	81.8	94.9
STANDARDIZED 150-DAY MILK LBS	51.6	58.9	69.8
TOTAL FEED COST ..\$	1162	1095	1218
VALUE OF MILK ..\$	2139	2448	2983
INCOME OVER FEED COST ..\$	977	1353	1765
FEED COST PER CWT MILK ..\$	8.05	6.49	6.07
% OPEN OVER 100 DAYS @ 1ST SERV	26.9	28.8	16.9
AVG DAYS DRY	73	70	65
AVG PTAS FOR SERVICE SIRE\$	184	172	231
AVG DAYS TO 1ST BREEDING	91	85	79
% HEATS OBSERVED	30.8	32.5	43.8
PROJ. CALVING INTERVAL	14.5	14.2	13.8
AVG DAYS OPEN	159	150	141
% SUCCESSFUL - ALL SERVICES	49.2	45.6	33.4
% SUCCESSFUL - FIRST SERVICE	50.3	46.7	35.4

FIGURE 5

DHIA Feed Costs Per Hundred Pounds of Milk

