LIVESTOCK

**COSTS AND RETURNS** 

**FROM** 

### FARM COST ACCOUNTS

28 FARMS-1982 NEW YORK STATE

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### REPORTS from FARM COST ACCOUNTS

#### 28 Farms, 1982

Enterprise data from the 1982 New York Farm Cost Account Project have been published in the following reports. Additional copies may be obtained from County Extension offices or directly from the Department of Agricultural Economics, Cornell University, Ithaca, New York 14853-0398.

Overhead Costs	A.E.	Res.	83-41
Livestock Costs and Returns			83-42
Field Crops Costs and Returns			83-43
Fruit and Vegetable Crops Costs and Returns	A.E.	Res.	83-44

#### LIVESTOCK COSTS AND RETURNS, A.E. Res. 83-42

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#### INTRODUCTION

The New York Farm Cost Account Project is a research project which serves as a means of obtaining primary cost data for enterprises common on New York farms. It provides data on labor requirements and costs, machinery costs, and production costs for crop and livestock enterprises. The data is published from detailed enterprise records kept by New York farmers in cooperation with the Department of Agricultural Economics at Cornell University. These publications provide College and field staff, as well as farmers and others interested in agriculture, with a continuous record of economic changes taking place on New York farms.

The farms are located in most of the farming areas of the State. They are generally well-managed, full-time, commercial farm businesses. They provide an indication of economic factors experienced by commercial farm businesses in New York.

The reports present the results of individual enterprises and the averages of the enterprise costs and returns for all farms. They show not only the averages of cost and returns but also indications of the variations and reasons for them. The factors for individual enterprises are arranged according to size of enterprise. The annual averages of the various factors are not averages of average costs but are weighted by the size of the enterprise.

#### Acknowledgements

The project was under the supervision of Darwin Snyder, who also did the field work necessary to complete the records. Editing and processing the data, closing the books, completing the analysis, and preparing these reports were done by Barbara Wilcox and Florence Blodgett with assistance from Mary Chaffee, Cynthia Farrell and Diana Atkinson.

The material on pages 2, 3, and 4 of this report was taken from A.E. Res. 83-32, Dairy Farm Management Business Summary, New York, 1982 by Stuart F. Smith and Linda D. Putnam.

Special acknowledgement is due the group of farmers who are willing to keep the detailed records so essential to such a system of enterprise cost accounting. Without their continuing efforts and willingness to provide this information, this important and accurate source of farm data would not exist.

Inflation, appreciation, supply and demand all have a direct affect on the inventory values on New York dairy farms. Machinery and real estate prices have risen steadily during the past six years with machinery prices increasing more rapidly. Dairy cow prices have changed most dramatically as the demand for replacements jumped in 1978 and 1979 and weakened in 1981 and 1982.

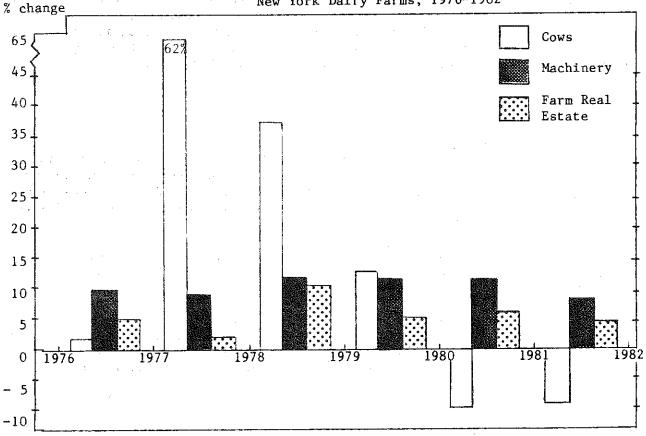
Table 1. UNIT VALUES OF NEW YORK DAIRY FARM INVENTORY ITEMS, 1976-1982

· · · · · · · · · · · · · · · · · · ·	New York Da	airy Cows	Machinery*	N.Y. Farm Rea	
Year	Value/Head	1977=100	1977=100	Value/Acre	1977=100
1976	\$ 485	98	91	\$553	<b>9</b> 5
1977	495	100	100	587	100
1978	800	162	109	600	102
1979	1,105	223	122	670	113
1980	1,240	251	136	708	.119
1981	1,120	226	152	749	126
1982	1,010	204	165	786	132

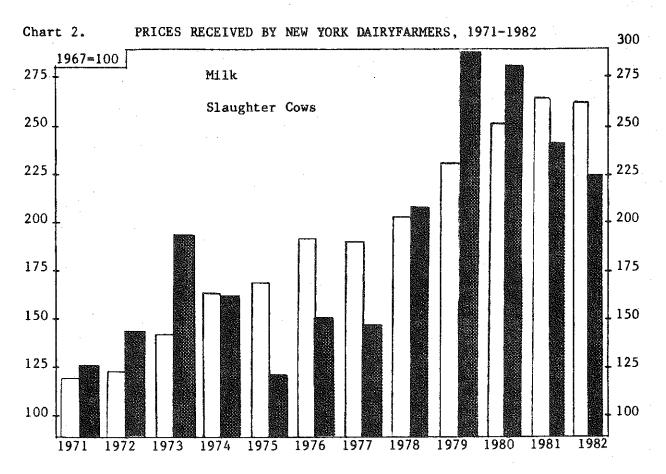
\*Annual average for U.S.

Table 1 shows New York year end (December) price received for dairy cows (replacements), an index of the same cow prices, an index of U.S. machinery prices, the average per acre value of New York farmland and buildings reported in April, and an index of the real estate prices.

Chart 1. ANNUAL CHANGES IN DAIRY COW, FARM MACHINERY, & FARM REAL ESTATE VALUES
New York Dairy Farms, 1976-1982



Source: USDA, Farm Real Estate Outlook & Situation Summary. USDA, Agricultural Prices.



The prices dairyfarmers receive for milk, cattle, and other commodities they sell have a major effect on dairy farm profits. Chart 2 shows what has happened to average milk and slaughter cow prices paid to New York farmers since 1971. Milk prices have increased at a more constant rate showing declines in 1977 and 1982. Slaughter cow prices have shown wide fluctuations over the period but have not moved in the same direction for more than four consecutive years; since 1979 prices have been declining.

Table 2. PRICES RECEIVED BY NEW YORK DAIRYFARMERS, 1970-1982

	A11	Slaughter		Monthly Farm	Price Per
Year	Milk	Cows	Calves	100 Lbs. of	Milk, 1982
	(cwt.)	(cwt.)	(cwt.)		
1970	\$ 5.99	\$20.70	\$34.70	January	\$13.80
1971	6.12	21.20	36.20	February	13.70
1972	6.33	24.50	44.80	March	13.50
1973	7.32	32.80	54.60	April April	13.20
1974	8.35	27.10	40.80	May	12.90
-			*	June	12.90
1975	8.71	20.60	26.20	July	13.30
1976	9.83	25.40	34.50	August	13.80
1977	9.75	25.00	37.50	September	14.00
1978	10.50	35.30	58.20	October	14.20
1979	11.90	49.80	88.80	November	14.20
	20121			December	13.90
1980	13.00	46.30	78.00		
1981	13.80	41.30	66.20		
1982	13.70	38.60	58.80		

Source: USDA, Agricultural Prices Annual Summary.

Table 3. PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1982

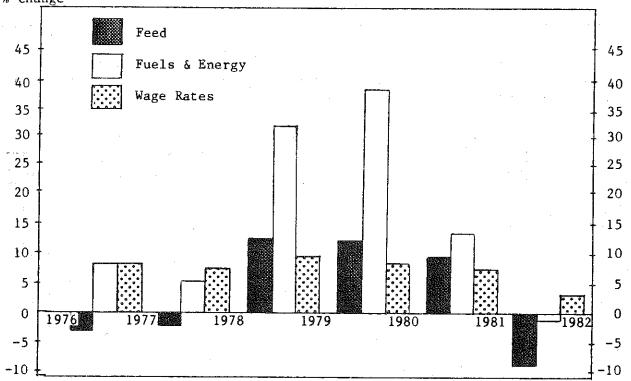
			Index	1977=100		<del></del> -
Year	Feed	Fert.	Fuel & Energy	Wage Rates	Taxes	Interest
1972	57	52	54	63	75	47
1973	86	56	57	69	77	55
1974	104	92	79	79	81	65
1975	100	120	88	85	87	77
1976	103	102	93	93	94	88
1977	100	100	100	100	100	100
1978	. 98	100	105	107	100	117
1979	110	108	137	117	107	143
1980	123	134	188	126	115	174
1981	134	144	213	137	123	211
1982	122	144	211	141	131	233

SOURCE: USDA Agricultural Prices

The prices dairyfarmers pay for a given quantity of goods and services has a major influence on farm production costs. The astute manager will keep close taps on unit costs and substitute the most economical goods and services for those that are too expensive.

Table 3 shows the unit cost indexes of selected goods and services used on New York dairy farms. The changes in feed prices, fuels and energy costs, and wage rates between years are illustrated in Chart 3.

Chart 3. ANNUAL CHANGES IN PRICES OF THREE MAJOR PRODUCTION ITEMS % change U.S. Dairy Farms, 1976-1982



Fuel and energy costs have decreased for the first time in the last 10 years; feed costs decreased to below the 1980 level. Wage rates continue to increase.

#### Growing Conditions

Table 1. TEMPERATURE, PRECIPITATION, AND GROWING SEASON Selected Stations, New York, 1941-70 and 1982

	Avera tempera May - S	ture		recipi ept.	tation Total An	nual	Length growi seaso	ng
Station	1941-70	1982	1941-70	1982	1941-70	1982	1947-67	1982
	degre	es		inc		days		
Al bany	65.7	63.7	15.4	14.9	33.4	32.1		165
Alfred	61.8	60.0	17.2	18.0	36.7	35.4	125	106
Batavia	64.1	63.5	15.3	15.8	32.6	34.7	154	171
Binghamton	63.3	63.4	17.9	17.7	37.4	35.1	154	177
Canton	63.0	61.5	16.5	16.8	34.5	35.8	127	153
Gene va	70.6	64.0	14.6	12.9	32.3	25.5		178
Glens Falls	-10	64.4	17.8	16.9	39.3	39.3		171
Ithaca	63.8	62.3	17.2	17.3	34.8	31.4	145	159
Lowville	62.5	60.2	16.5	16.7	38.5	36.9	123	116
Utica	63.5	64.3	18.1	15.6	40.6	36.5	157	160

<sup>\*</sup> Days between the last temperature of 32 degrees in the spring and the first in the fall.

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1982, Vol. 94, No. 13.

Weather is a factor to be considered when studying a farm business for a specific year. The growing conditions have a marked effect on the crops for that year. It is for this reason that data are presented on the growing conditions for 1982 and for the period 1941-70.

Statewide, the 1982 crop season was characterized by a warm May and a wet June in an otherwise cool and dry season. In spite of generally unfavorable below average temperatures and rainfall, crop needs were apparently met at the right time in such a way that crop yields were quite normal for the year.

Table 2. GROWING SEASON RAINFALL Selected Stations, New York, 1941-70 and 1982

	May		June	2	July	7	Augu	August Septembe		
	1941-70	1982	1941-70	1982	1941-70	1982	1941-70	1982	1941-70	1982
Albany	3.26	2.60	3.00	6.48	3.12	2.43	2.87	2.01	3.12	1.42
Alfred	3.76	3.46	3.76	6.67	3.73	3.35	3.00	1.49	2.93	3.04
Batavia	3.17	3.45	2.69	3.60	3.05	2.06	3.50	3.75	2.87	2.96
Binghamton	3.83	3.89	3.59	7.09	3.83	1.87	3.61	2.94	3.02	1.86
Canton	3.37	1.87	2.91	3.93	3.43	2.24	3,47	4.83	3.31	3.96
Gene va	3.02	2.09	3.10	4.74	3.06	2.64	2.82	0.74	2.59	2.68
Glens Fall	s 3.63	3.51	3.77	5.82	3.68	1.47	3.42	3.96	3.31	2.13
Ithaca	3.55	2.96	3.40	5.74	3.67	2.90	3.49	1.99	3.08	3.68
Lowville	3.42	2.06	2.94	3.50	3.26	2.60	3.58	3.96	3.31	4.58
Utica	3.52	2,72	3.55	5,81	4.17	3.11	3.54	1.71	3.32	2.20

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1982, Vol. 94, No. 13.

YIELDS FOR CROPS AND LIVESTOCK
New York State and Farm Cost Account Averages

			New York	State*		Cost Account
Item	Unit	1957-61	1967-71	1977-81	1982	1982
Hay, Alfalfa mix.	tons	2.2	2.6	2.7	2.7	2.5
Corn Silage	tons	11	14	14	14	14
Corn grain	bu.	57	85	90	92	106
Oats	bu.	52	60	60	65	NA
Wheat	bu.	32	39	40	44	50
Milk per cow	lbs.	7,914	10,361	11,742	12,129	15,706

<sup>\*</sup>Source: New York Agricultural Statistics, 1982; Crop Reporting Service, USDA.

FARM COST ACCOUNT SUMMARY, 1982 Crop Enterprises

	Number	Averag acres	e <sub>.</sub>	Hours of	Retu	n per		Profit
Crop	of enter- prises	per enter- prise	Yield per acre	labor per acre*	Hour of labor	<del> </del>	Profit per acre	on enter- prise
Forage:	•							
Нау	19	80	2.5 tn	7	2.98	0.91	18-	1,449-
Hay crop silage	20	151	6.1 tn	4	2.20-	0.85	32-	4,812-
Corn silage	21	137	14.2 tn	. 5	3.38	0.96	15-	2,049-
Grain:							·	
Corn for grain	6	159	106 bu	4	5.14-	0.84	57-	9,076-
High moist. corn	19	137	3.8 tn	3	6.63-	0.86	42-	5,796-
Wheat, winter	7	152	50 bu	2	16.29-	0.77	51 <del>-</del>	7,844-
Wheat, spring	. 6	78	45 bu	2	14.29-	0.77	53-	4,084-
Fruit:				-			•	
Apples	12	86	537 bu	105	4.50	0.83	281-	24,347-
Red tart cherries	s 6	37	7,313 1b	41	6.94	1.03	31	1,169

<sup>\*</sup>To grow and harvest the crop.

ENTERPRISE RATES OF RETURN

FARM COST ACCOUNT RECORDS, 1979-82

cost 1982 \$
Ś
٧
1.07
0.91
0.91
0.85
0.96
. *
0.84
0.86
NA.
0.77
0.77
0.83
1.03

#### Dairy Cows -

According to New York Crop Reporting Service figures, the value of an average dairy cow reached an all time high of \$1,250 per cow in November 1980. From that point, cow values have steadily declined to \$1,010 per cow at the end of 1982. Average values declined over \$100 per cow for both 1981 and 1982.

Cull beef prices continued to decline during 1982 in spite of a mid year rally. The price reported for December 1982 was \$35.50 per hundredweight - about a dollar less than December 1981. The average price for the year dropped \$2.76 per hundredweight compared to 1981. Bob calf prices also continued to decline. The average price for 1982 was \$59.32 per hundredweight. This was \$7.49 per hundredweight lower than the average price for 1981.

These dairy enterprises represent commercial herds where herd dispersals are not a factor. Cow values are held at a constant, conservative level (except for changes in quality) for the year to prevent changing cow values from affecting enterprise profits. However, profits are affected by the decline in cull beef and bob calf prices as dairymen disposed of livestock in the normal conduct of their herd management practices.

#### DAIRY COWS, 1982 COSTS AND RETURNS PER DAIRY COW 3,704 COWS ON 23 COST ACCOUNT FARMS

ITEM		AVERAGE	PER	COW
OSTS:				
DEPRECIATION			\$	184
	•			
FEED - 3,775 LBS OF DRY GRAIN -		\$ 371		
2.2 TONS OF HIGH MOISTURE	CORN	177		
0.6 TONS OF HAY		37		
4.6 TONS OF HAY CROP SILAG	SE	127		
7.5 TONS OF CORN SILAGE -		163 45		
PASTURE AND ALL OTHER FEED		4)		920
TOTAL FEED COST PER COW				720
LABOR - 55 HOURS				336
TRACTOR, TRUCK		34		
EQUIPMENT		100		
BEDDING		19		
BREEDING		26	-	
VET AND MEDICINE		43		
MTLK HAITING		73		
MILK TESTING		13		
SUPPLIES		34		
UTILITIES		35		
INSURANCE		6		
INTEREST ON VALUE OF COW		87		
BUILDING USE		82		
ALL OTHER		116		668
TOTAL OTHER THAN DEPREC, FEED	, LABOR			
TOTAL COSTS			<b>\$</b> 2	,108
RETURNS:				
15,653 POUNDS OF MILK SOLD		\$2,139		
53 POUNDS OF MILK USED ON FA	RM	$_{\perp}$ $_{\perp}$		
CALVES		75		
OTHER RETURNS		25		
TOTAL RETURNS			\$2	,246
				100
PROFIT:			\$ 	138
OTHER FACTORS - AVG PER CWT OF MILK:	ALL GRAIN COST	\$ 3.49		
	TOTAL FEED COST	5,86		
	LABOR COST	2.14		
•	TOTAL COST	\$12.79		
	RETURNS	13.67		
MILK PRODUCED PER HOU	R OF LABOR	287	ΓŖ	
RETURN PER HOUR OF LA	BOR	\$ 8.65		
RETURN PER DOLLAR OF		1.07		

FACTORS FROM 24 DAIRY COW ENTERPRISES 23 COST ACCOUNT FARMS, 1982 (ARRANGED BY NUMBER OF COWS)

				MILK			PER CO			VET
T. 4 D		MILK	LABOR	PER		HIGH	· · · · · · · · · · · · · · · · · · ·	HAY		MED
FARM	HERD	PER	PER	HR OF	DRY	MSTR		CROP	CORN	COST/
NO	SIZE	COW	COW	LABOR	GRAIN	CORN	HAY	SILG	SILG	COW
	NO	LB	HR	LB	LB	TN	TN	TN	TN	\$
834	657	15,021	49	304	1,470	3.7		6.1	5.9	20
827	393	15,224	51	2 <del>96</del>	1,954	3.2	0.3	4.3	6.8	43
812	296	18,967	. 43	448	7,426			3.9	13.8	72
806	274	15,227	39	393	2,686	2.5	0.1	3.8	10.6	31
824	226	15,965	46	345	1,991	3.4	0.4	4.7	3.1	64
830	191	16,265	54	304	2,482	4.2	1.3	3.4	5.0	46
840	157	15,958	48	332	7,439	•	0.3	7.1	11.2	50
804	139	13,668	49	279	5,324		0.4	3.8	12.6	37
835	133	14,368	48	298	8,947	1.3	0.7	5.9	4.6	52
821	133	14,135	49	288	4,195	2.7	0.6	0.9	14.4	36
105*	125	13,552	61	222	3,136	4.9	1.3	3.5	4.7	62
112	114	16,910	57	295	4,263	2.6	0.7	3.9	5.3	31
105	111	16,166	87	185	6,667		0.5	4.7	8. I	6.5
111*	103	17,923	78	229	2,175	3.6	0.8	7.6	0.7	20
208*	103	14,912	61	246	5,845		0.2	5.2	7.4	45
203*	98	14,864	62	239	6,633		0.2	5.2	7.8	64
836	86	15,079	67	224	6,140		2.5		8.5	26
867*	71	20,092	81	249	3,577	4.2	2.3	2.6	3.9	63
153*	56	17,013	69	247	4,214	3.2	1.4	6.9	7.1	28
828*	53	16,174	76	212	868	5.3	1.1	5.8	2.8	107
146*	52	13,956	122	115	2,115	1.6	1.4	1.5	5.0	39
117*	50	14,918	73	204	880	3.4	2.4	8.6	6.5	42
127*	44	17,795	53	334	7,273		2.1	3.5	8.9	63
111*	39	14,997	79	190	2,667	3.2	0.6	1.2	9.0	22
	ROUP AV	VERAGES,	ACCORDI	NG TO NU	MBER OF	COWS:				
THIRDS	000	15 707		000						
HIGH		15,787	47	338	3,847	2.1	0.4	4.6	8.6	45
MED	115	15,354	63	250	5,233	1.9	0.6	4.6	6.6	47
LOW	56	16,253	78	222	3,467	2.6	1.7	3.8	6.5	49
ANNUAL	AVERAC	GES, ALL	ENTR.	WEIGHTEI	BY NUMB	ER OF COWS	3:			•
1982	154	15,706	55	287	3,775	2.4	0.5	4.6	7.5	43
1981	155	15,493	51	304	3,891	2.2	0.5	5.6	7.7	41
1980	155	15,894	51	311	3,686	2.2	0.6	4.3	7.2	34
1979	150	15,372	51	303	4,521	1.8	0.7	3.6	8.0	37
1978	142	15,051	50	300	4,357	1.5	0.6	3.6	7.8	33

<sup>\*</sup> STANCHION BARNS

See note on page 8.

## FACTORS FROM 24 DAIRY COW ENTERPRISES 23 COST ACCOUNT FARMS, 1982 (READ ACROSS BOTH PAGES)

	COST		PER		VERAGE		RETURI		PROFIT	
PER		CWT		P	ER COW		HOUR	\$	ON	
FO			LK		RE-	PRO-	OF	OF	ENTER-	FARM
FEED	LABOR	COST	RETURN	COST	TURN	FIT	LABOR	COST	PRISE	NO
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
866	286	11.23	13.56	1,807	2,157	350	12.85	1.19	229,448	834
827	433	13.60	13.62	2,185	2,189	4	8.52	1.00	1,705	827
1,052	393	11.63	13.25	2,356	2,663	307	16.53	1.13	90,909	812
934	284	13.01	14.82	2,051	2,328	277	14.47	1.13	75,716	806
762	266	11.31	12.59	1,888	2,092	204	10.14	1.11	46,051	824
1,019	294	12.81	13.63	2,194	2,328	134	7.99	1.06	25,523	830
1,090	313	12.84	13.56	2,125	2,240	115	8.91	1.05	18,123	840
899	356	14.26	14.72	2,004	2,068	64	8.58	1.03	8,859	804
1,021	239	13.27	13.32	2,037	2,044	7	5.11	1.00	1,018	835
1,024	250	14.13	14.26	2,063	2,082	19	5.49	1.01	2,481	821
<b>96</b> 0	329	15.55	14.05	2,156	1,954		2.08	0.91	25,347-	105
<b>93</b> 0	255	11.88	13.23	2,091	2,318	227	8.40	1.11	25,902	112
954	443	15.99	13.40	2,775	2,356	419	0.27	0.85	46,604~	105
829	466	11.26	14.29	2,087	2,631	544	12.91	1.26	55,987	111
898	288	14.53	14.52	2,245	2,244	1-	4.74	1.00	45	208
975	281	15.96	14.60	2,445	2,243	202-	1.26	0.92	19,802-	203
710	555	13.06	12.90	2,078	2,055	23-	7.90	0.99	2,023-	836
1,131	360	12.04	13.40	2,429	2,713	274	7.85	1.11	19,424	867
1,088	355	12.66	12.51	2,192	2,167	25-	4.80	0.99	1,374-	153
776	352	11.51	13.21	2,006	2,281	275	8.20	1.14	14,553	828
579	482	13.62	12.95	1,973	1,880	93-	3.19	0.95	4,843-	146
957	374	13.86	13.56	2,139	2,094	45-	4.50	0.98	2,235-	117
1,180	288	14.41	14.42	2,709	2,711	2	5.44	1.00	90	127
849	466	14.63	14.36	2,254	2,214	40-	5.40	0.98	1,572-	111
							:			
1982 G	ROUP AV	ERAGES,	ACCORD	ING TO NU	MBER O	F COWS:			า	HIRDS
931	328	12.59	13.72	2,076	2,258	182	11.00	1.09	62,042	HIGH
949	319	14.07	13.96	2,237	2,234	3-	5.03	1.01	801-	MED
909	404	13.22	13.41	2,224		41	5.91	1.02		LOW
ANNUAI	AVERAC	GES. ALI		WEIGHTED	BY NU	MBER OF	COWS:			
		y				<u>,,</u>				
920	336	12.79	13.67	2,108		138	8.65	1.07	21,331	1982
1,001	323	13.38	13.89	2,158	2,237	79	7.89	1.04	12,346	1983
881	320	11.74	13.15	1,957	2,182	225	10.64	1.11	34,711	1980
796	281	10.47	12.19	1,713	1,978	265	10.77	1.15	39,786	1979
,,,							9.01		28,352	1978

# STANCHION BARN HERDS DAIRY COWS, 1982 COSTS AND RETURNS PER DAIRY COW 794 COWS ON 11 COST ACCOUNT FARMS

ITEM		AVERAGE	PER	COV
OSTS:				
DEPRECIATION			\$	173
775 THE		4 /07		
FEED - 3,756 LBS OF DRY GRAIN -		\$ 407		
2.7 TONS OF HIGH MOISTURE		187		
1.1 TONS OF HAY 4.9 TONS OF HAY CROP SILAG		74		
5.5 TONS OF CORN SILAGE -		135 119		
PASTURE AND ALL OTHER FEED		8		
				930
LABOR - 72 HOURS				359
TRACTOR, TRUCK		26		
EOUIPMENT		115		
BEDDING		23		•
BREEDING		37		
VET AND MEDICINE		51		
MILK HAULING		89		
MILK TESTING		19		
SUPPLIES		39		•
UTILITIES		44		
		5		
INTEREST ON VALUE OF COW		89		
		100		
ALL OTHER		137		774
COTAL COSTS	a a succession of the successi	•	60	
OTAL COSTS			\$4	,236
ETURNS:				
15,795 POUNDS OF MILK SOLD		\$2,197		
85 POUNDS OF MILK USED ON FAR	M	12		
CALVES		65		
OTHER RETURNS		5		
TOTAL RETURNS			\$2	,279
PROFIT:			\$	43
THER FACTORS - AVG PER CWT OF MILK:	ALL GRAIN COST	c 2 7/.		
THE PROTORS - AVG THE GWI OF PILLY:	TOTAL FEED COST	\$ 3.74 5.86		
	LABOR COST	2.26		
	TOTAL COST	\$13.63		
	RETURNS	13.91		
MILK PRODUCED PER HOUR	OF LABOR	221	LB	
RETURN PER HOUR OF LAB	OR	\$ 5.61		

See note on page 8.

### FREESTALL BARN HERDS

DAIRY COWS, 1982
COSTS AND RETURNS PER DAIRY COW
2,910 COWS ON 13 COST ACCOUNT FARMS

ITEM			AVERAGE	PER COW
STS: DEPRECIATION				\$ 188
1988 - 2 791	LBS OF DRY GRAIN		\$ 361	
0 0 10/	SMC OF UTCH MOISTURE UI		174	
Z.3 IV	ONS OF HAY		27	
0.4 10	ONS OF HAY CROP SILAGE		126	
4.5 TO	ONS OF CORN SILAGE		175	
8.1 T	AND ALL OTHER FEED -		55	
PASTURE	COST PER COW			918
TOTAL FEED	COST PER COW			220
LABOR - 50 H	OURS			329
- LONG MDI	CK		36	
			97	
EQUIPMENT -			18	
	_		23	
BREEDING	CINE		41	1
VET AND MEDI	CINE		68	
MILK HAULING	CINE		12	
MILK TESTING			33	
SUPPLIES			32	
UTILITIES -			6	
INSURANCE -			86	
IAO INDERGRAMA	TIATITE OF COULT		77	
DOTTIDING OFF	<u></u>	· <del></del> -		
ATT OTHER -			110	630
ATT OTHER -	HER THAN DEPREC, FEED,			639
ATT OTHER -				639 \$2,074
ALL OTHER - TOTAL OTH				
ALL OTHER - TOTAL OTH	HER THAN DEPREC, FEED,	LABOR	110	
ALL OTHER - TOTAL OTH OTAL COSTS	HER THAN DEPREC, FEED,	LABOR		
ALL OTHER - TOTAL OTH OTAL COSTS ETURNS: 15,615 POUNT	DS OF MILK SOLD	LABOR	\$2,124 6	
ALL OTHER - TOTAL OTH OTAL COSTS ETURNS: 15,615 POUND 44 POUND	HER THAN DEPREC, FEED,  DS OF MILK SOLD DS OF MILK USED ON FARM	LABOR	\$2,124 6 78	\$2,074
ALL OTHER - TOTAL OTH OTAL COSTS ETURNS: 15,615 POUND 44 POUND	DS OF MILK SOLD	LABOR	\$2,124 6	\$2,074
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUND 44 POUND CALVES OTHER RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78	\$2,074
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUND 44 POUND	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78	\$2,074 \$2,23
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS:  15,615 POUNT 44 POUNT CALVES OTHER RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78	\$2,074
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78	\$2,074 \$2,238 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78 30	\$2,074 \$2,238 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78 30	\$2,074 \$2,238 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78 30 \$ 3.42 5.86	\$2,074 \$2,238 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78 30 \$ 3.42 5.86 2.10	\$2,074 \$2,234 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78 30 \$3.42 5.86 2.10 \$12.55	\$2,074 \$2,233 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	LABOR	\$2,124 6 78 30 \$3.42 5.86 2.10 \$12.55 13.60	\$2,074 \$2,238 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD	ALL GRAIN COST TOTAL FEED COST RETURNS	\$2,124 6 78 30 \$3.42 5.86 2.10 \$12.55 13.60	\$2,074 \$2,233 \$ 16
ALL OTHER - TOTAL OTH  OTAL COSTS ETURNS: 15,615 POUNT 44 POUNT CALVES OTHER RETUR  TOTAL RETUR	HER THAN DEPREC, FEED,  DS OF MILK SOLD DS OF MILK USED ON FARM  NS	ALL GRAIN COST TOTAL FEED COST LABOR COST RETURNS OF LABOR	\$2,124 6 78 30 \$3.42 5.86 2.10 \$12.55 13.60	\$2,074 \$2,233 \$ 16

FACTORS FROM 24 DAIRY COW ENTERPRISES 23 COST ACCOUNT FARMS, 1982 (ARRANGED BY NUMBER OF COWS)

		MTT 12	~~~	MILK		FEED	PER CO	W	······································	VET
FARM	HERD	MILK PER	LABOR	PER	<b>-</b>	HIGH		HAY		MED
NO	SIZE		PER	HR OF		MSTR		CROP	CORN	COST
	NO	COM	COW	LABOR		CORN	HAY	SILG	SILG	COW
	140	LB	HR	LB	LB	TN	TN	TN	TN	\$
11 ST	ANCHION	BARN HE	RDS							•
105	125	13,552	61	222	3,136	4.9	1 2	2 5	,	
111	103	17,923		229	2,175	3.6	1.3	3.5	4.7	62
208	103	14,912		246	5,845	3.0	0.8	7.6	0.7	20
203	98	14,864		239	6,633		0.2	5.2	7.4	45
867	71	20,092		249			0.2	5.2	7.8	64
153	56	17,013		247	3,577	4.2	2.3	2.6	3.9	63
828	53	16,174			4,214	3.2	1.4	6.9	7.1	28
146	52	13,956		212	868	5.3	1.1	5.8	2.8	107
117	50	14,918		115	2,115	1.6	1.4	1.5	5.0	39
127	44	17,795		204	880	3.4	2.4	8.6	6.5	42
111	39	14,997		334	7,273		2.1	3.5	8.9	63
	33	14,99/	79	190	2,667	3.2	0.6	1.2	9.0	22
	-	GES, ALL	ENTR.	WE I GHTE	D BY NUMBI	ER OF COW	S:			
1982	72	15,880	72	221	3,756	2.7	1.1	4.9	E E	
1981	72	16,082	73	221	5,161	1.9	1.0		5.5	51
1980	56	15,094	79	191	3,582	2.2		5.8	6.8	50
1979	51	14,337	80	180	4,922		1.3	4.7	7.3	28
1978	51	14,178	89	160	3,741	1.1 1.4	2.4 1.7	2.4 3.6	5.9 4.4	28 30
13 FRE	ESTALL	BARN HEI	₹DS							
834	657	15,021	49	304	1,470	2 7				
827	393	15,224	51	2 <del>9</del> 6	1,470	3.7		6.1	5.9	20
812	296									
806		18.9h/	43		•	3.2	0.3	4.3	6.8	43
	274	18,967 15,227	43 39	448	7,426			3.9	13.8	72
824	274 226	15,227	39	448 393	7,426 2,686	2.5	0.1	3.9 3.8	13.8 10.6	72 31
	226	15,227 15,965	39 46	448 393 345	7,426 2,686 1,991	2.5 3.4	0.1 0.4	3.9 3.8 4.7	13.8	72
830	226 191	15,227 15,965 16,265	39 46 54	448 393 345 304	7,426 2,686 1,991 2,482	2.5	0.1 0.4 1.3	3.9 3.8 4.7 3.4	13.8 10.6	72 31
830 840	226 191 157	15,227 15,965 16,265 15,958	39 46 54 48	448 393 345 304 332	7,426 2,686 1,991 2,482 7,439	2.5 3.4	0.1 0.4 1.3 0.3	3.9 3.8 4.7 3.4 7.1	13.8 10.6 3.1	72 31 64
830 840 804	226 191 157 139	15,227 15,965 16,265 15,958 13,668	39 46 54 48 49	448 393 345 304 332 279	7,426 2,686 1,991 2,482 7,439 5,324	2.5 3.4 4.2	0.1 0.4 1.3 0.3 0.4	3.9 3.8 4.7 3.4	13.8 10.6 3.1 5.0	72 31 64 46
830 840 804 835	226 191 157 139 133	15,227 15,965 16,265 15,958 13,668 14,368	39 46 54 48 49 48	448 393 345 304 332 279 298	7,426 2,686 1,991 2,482 7,439 5,324 8,947	2.5 3.4 4.2	0.1 0.4 1.3 0.3 0.4 0.7	3.9 3.8 4.7 3.4 7.1	13.8 10.6 3.1 5.0 11.2	72 31 64 46 50 37
830 840 804 835 821	226 191 157 139 133 133	15,227 15,965 16,265 15,958 13,668 14,368 14,135	39 46 54 48 49 48 49	448 393 345 304 332 279 298 288	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195	2.5 3.4 4.2	0.1 0.4 1.3 0.3 0.4 0.7 0.6	3.9 3.8 4.7 3.4 7.1 3.8	13.8 10.6 3.1 5.0 11.2 12.6	72 31 64 46 50 37 52
830 340 304 335 321	226 191 157 139 133 133	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910	39 46 54 48 49 48 49 57	448 393 345 304 332 279 298 288 295	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263	2.5 3.4 4.2	0.1 0.4 1.3 0.3 0.4 0.7	3.9 3.8 4.7 3.4 7.1 3.8 5.9	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4	72 31 64 46 50 37 52 36
830 840 804 835 821 112	226 191 157 139 133 133 114	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910 16,166	39 46 54 48 49 48 49 57	448 393 345 304 332 279 298 288 295 185	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263 6,667	2.5 3.4 4.2	0.1 0.4 1.3 0.3 0.4 0.7 0.6	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4 5.3	72 31 64 46 50 37 52 36 31
824 830 840 304 835 821 112 105	226 191 157 139 133 133	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910	39 46 54 48 49 48 49 57	448 393 345 304 332 279 298 288 295	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263	2.5 3.4 4.2	0.1 0.4 1.3 0.3 0.4 0.7 0.6 0.7	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9 3.9	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4	72 31 64 46 50 37 52 36
830 840 304 835 321 112 105 836	226 191 157 139 133 133 114 111 86	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910 16,166 15,079	39 46 54 48 49 48 49 57 87	448 393 345 304 332 279 298 288 295 185 224	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263 6,667	2.5 3.4 4.2 1.3 2.7 2.6	0.1 0.4 1.3 0.3 0.4 0.7 0.6 0.7 0.5 2.5	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9 3.9	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4 5.3 8.1	72 31 64 46 50 37 52 36 31 65
830 840 304 835 321 112 105 836	226 191 157 139 133 133 114 111 86	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910 16,166 15,079	39 46 54 48 49 48 49 57 87 67 ENTR. WE	448 393 345 304 332 279 298 288 295 185 224	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263 6,667 6,140 BY NUMBER	2.5 3.4 4.2 1.3 2.7 2.6	0.1 0.4 1.3 0.3 0.4 0.7 0.6 0.7 0.5 2.5	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9 3.9 4.7	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4 5.3 8.1 8.5	72 31 64 46 50 37 52 36 31 65 26
830 840 804 835 821 112 105 836	226 191 157 139 133 133 114 111 86	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910 16,166 15,079 EES, ALL	39 46 54 48 49 48 49 57 87 67 ENTR. WE	448 393 345 304 332 279 298 288 295 185 224	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263 6,667 6,140 BY NUMBER 3,781	2.5 3.4 4.2 1.3 2.7 2.6 OF COWS:	0.1 0.4 1.3 0.3 0.4 0.7 0.6 0.7 0.5 2.5	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9 3.9 4.7	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4 5.3 8.1 8.5	72 31 64 46 50 37 52 36 31 65 26
830 840 304 835 321 112 105 836 4NNUAL 982	226 191 157 139 133 133 114 111 86 AVERAG 224 219	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910 16,166 15,079 ES, ALL 15,659 15,345	39 46 54 48 49 48 49 57 87 67 ENTR. WE	448 393 345 304 332 279 298 288 295 185 224 IGHTED 313 337	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263 6,667 6,140  BY NUMBER 3,781 3,570	2.5 3.4 4.2 1.3 2.7 2.6 OF COWS:	0.1 0.4 1.3 0.3 0.4 0.7 0.6 0.7 0.5 2.5	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9 3.9 4.7	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4 5.3 8.1 8.5	72 31 64 46 50 37 52 36 31 65 26
830 840 804 835 821 112 105 836 4NNUAL 982 981 980	226 191 157 139 133 133 114 111 86 AVERAG 224 219 208	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910 16,166 15,079 ES, ALL 15,659 15,345 16,031	39 46 54 48 49 48 49 57 87 67 ENTR. WE 50 45	448 393 345 304 332 279 298 288 295 185 224 IGHTED 313 337 336	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263 6,667 6,140  BY NUMBER 3,781 3,570 3,666	2.5 3.4 4.2 1.3 2.7 2.6 OF COWS: 2.3 2.3	0.1 0.4 1.3 0.3 0.4 0.7 0.6 0.7 0.5 2.5	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9 3.9 4.7	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4 5.3 8.1 8.5	72 31 64 46 50 37 52 36 31 65 26
830 840 304 835 321 112 105 836 4NNUAL 982	226 191 157 139 133 133 114 111 86 AVERAG 224 219	15,227 15,965 16,265 15,958 13,668 14,368 14,135 16,910 16,166 15,079 ES, ALL 15,659 15,345	39 46 54 48 49 48 49 57 87 67 ENTR. WE	448 393 345 304 332 279 298 288 295 185 224 IGHTED 313 337	7,426 2,686 1,991 2,482 7,439 5,324 8,947 4,195 4,263 6,667 6,140  BY NUMBER 3,781 3,570	2.5 3.4 4.2 1.3 2.7 2.6 OF COWS:	0.1 0.4 1.3 0.3 0.4 0.7 0.6 0.7 0.5 2.5	3.9 3.8 4.7 3.4 7.1 3.8 5.9 0.9 3.9 4.7	13.8 10.6 3.1 5.0 11.2 12.6 4.6 14.4 5.3 8.1 8.5	72 31 64 46 50 37 52 36 31 65 26

### FACTORS FROM 24 DAIRY COW ENTERPRISES 23 COST ACCOUNT FARMS, 1982 (READ ACROSS BOTH PAGES)

77.77	COST		PER		VERAGE		RETUR		PROFIT	
PER	COW	CWT		. <u>P</u>	ER COW		HOUR	\$	ON	
FO	R	MII	ĹK	<del></del>	RE-	PRO-	OF	OF	ENTER-	FARM
FEED	LABOR	COST	RETURN		TURN	FIT	LABOR	COST	PRISE	NO
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
11 STA	NCHION	BARN HEI	RDS	•			•			
960	329	15.55	14.05	2,156	1,954	202-	2.08	0.91	25,347-	105
829	466	11.26	14.29	2,087	2,631	544	12.91	1.26	55,987	111
898	288	14.53	14.52	2,245	2,244	1-	4.74	1.00	45-	208
975	281	15.96	14.60	2,445	2,243	202-	1.26	0.92	19,802-	203
1,131	360	12.04	13.40	2,429	2,713	274	7.85	1.11	19,424	867
1,088	355	12.66	12.51	2,192	2,167	25-	4.80	0.99	1,374-	153
776	352	11.51	13.21	2,006	2,281	275	8.20	1.14	14,553	828
579	482	13.62	12.95	1,973	1,880	93-	3.19	0.95	4,843-	146
957	374	13.86	13.56	2,139	2,094	45-	4.50	0.98	2,235-	117
1,180	288	14.41	14.42	2,709	2,711	2	5.44	1.00	90	127
-				-	-	40-	5.40	0.98	1,572-	111
849	466	14.63	14.36	2,254	2,214	40-	3.40	0.90	1,3/2-	111
ANNUAL	AVERAC	GES, ALL	ENTR.	WEIGHTED	BY NUM	BER OF	COWS:	÷		
930	359	13.63	13.91	2,236	2,279	43	5.61	1.02	3,167	1982
1,066	358	14.47	14.06	2,426	2,360	66-	4.01	0.97	4,761-	1981
868	384	12.81	13.35	2,026	2,109	83	5.88	1.04	4,589	1980
812	313	11.60	11.96	1,754	1,806	52	4.59	1.03	2,662	1979
669	310	10.25	10.47	1,519	1,550	31	3.83	1.02	1,566	1978
10										
13 FRE	ESTALL	BARN HE	RDS							
866	286									
	200	11.23	13.56	1,807	2,157	350	12.85	1.19	229,448	834
827	433		13.56 13.62	1,807 2,185	-	350 4	12.85 8.52	1.19 1.00	229,448 1,705	834 827
	433	13.60	13.62	2,185	2,189	4	8.52		1,705	
1,052	433 393	13.60 11.63	13.62 13.25	2,185 2,356	2,189 2,663		8.52 16.53	1.00		827
1,052 934	433 393 284	13.60 11.63 13.01	13.62 13.25 14.82	2,185 2,356 2,051	2,189 2,663 2,328	4 307 277	8.52 16.53 14.47	1.00 1.13	1,705 90,909 75,716	827 812
1,052 934 762	433 393 284 266	13.60 11.63 13.01 11.31	13.62 13.25 14.82 12.59	2,185 2,356 2,051 1,888	2,189 2,663 2,328 2,092	4 307 277 204	8.52 16.53 14.47 10.14	1.00 1.13 1.13 1.11	1,705 90,909 75,716 46,051	827 812 806 824
1,052 934 762 1,019	433 393 284 266 294	13.60 11.63 13.01 11.31 12.81	13.62 13.25 14.82 12.59 13.63	2,185 2,356 2,051 1,888 2,194	2,189 2,663 2,328 2,092 2,328	4 307 277 204 134	8.52 16.53 14.47 10.14 7.99	1.00 1.13 1.13 1.11 1.06	1,705 90,909 75,716 46,051 25,523	827 812 806 824 830
1,052 934 762 1,019 1,090	433 393 284 266 294 313	13.60 11.63 13.01 11.31 12.81 12.84	13.62 13.25 14.82 12.59 13.63 13.56	2,185 2,356 2,051 1,888 2,194 2,125	2,189 2,663 2,328 2,092 2,328 2,240	4 307 277 204 134 115	8.52 16.53 14.47 10.14 7.99 8.91	1.00 1.13 1.13 1.11 1.06 1.05	1,705 90,909 75,716 46,051 25,523 18,123	827 812 806 824 830 840
1,052 934 762 1,019 1,090 899	433 393 284 266 294 313 356	13.60 11.63 13.01 11.31 12.81 12.84 14.26	13.62 13.25 14.82 12.59 13.63 13.56 14.72	2,185 2,356 2,051 1,888 2,194 2,125 2,004	2,189 2,663 2,328 2,092 2,328 2,240 2,068	4 307 277 204 134 115 64	8.52 16.53 14.47 10.14 7.99 8.91 8.58	1.00 1.13 1.13 1.11 1.06 1.05 1.03	1,705 90,909 75,716 46,051 25,523 18,123 8,859	827 812 806 824 830 840 804
1,052 934 762 1,019 1,090 899 1,021	433 393 284 266 294 313 356 239	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044	4 307 277 204 134 115 64	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11	1.00 1.13 1.13 1.11 1.06 1.05 1.03	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018	827 812 806 824 830 840 804 835
1,052 934 762 1,019 1,090 899 1,021 1,024	433 393 284 266 294 313 356 239 250	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082	4 307 277 204 134 115 64 7	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49	1.00 1.13 1.13 1.11 1.06 1.05 1.03 1.00	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481	827 812 806 824 830 840 804 835 821
1,052 934 762 1,019 1,090 899 1,021 1,024 930	433 393 284 266 294 313 356 239 250 255	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318	4 307 277 204 134 115 64 7 19 227	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40	1.00 1.13 1.13 1.11 1.06 1.05 1.03 1.00 1.01	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902	827 812 806 824 830 840 804 835 821
1,052 934 762 1,019 1,090 899 1,021 1,024 930 954	433 393 284 266 294 313 356 239 250 255 443	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88 15.99	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23 13.40	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091 2,775	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318 2,356	4 307 277 204 134 115 64 7 19 227 419-	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40 0.27	1.00 1.13 1.11 1.06 1.05 1.03 1.00 1.01 1.11	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902 46,604-	827 812 806 824 830 840 804 835 821 112
1,052 934 762 1,019 1,090 899 1,021 1,024 930 954 710	433 393 284 266 294 313 356 239 250 255 443 555	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88 15.99 13.06	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23 13.40 12.90	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091 2,775 2,078	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318 2,356 2,055	4 307 277 204 134 115 64 7 19 227 419– 23–	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40 0.27 7.90	1.00 1.13 1.13 1.11 1.06 1.05 1.03 1.00 1.01	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902	827 812 806 824 830 840 804 835 821
1,052 934 762 1,019 1,090 899 1,021 1,024 930 954 710	433 393 284 266 294 313 356 239 250 255 443 555	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88 15.99 13.06	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23 13.40 12.90	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091 2,775 2,078 WEIGHTED	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318 2,356 2,055 BY NUMI	4 307 277 204 134 115 64 7 19 227 419– 23– BER OF	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40 0.27 7.90	1.00 1.13 1.11 1.06 1.05 1.03 1.00 1.01 1.11 0.85 0.99	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902 46,604- 2,023-	827 812 806 824 830 840 804 835 821 112 105 836
1,052 934 762 1,019 1,090 899 1,021 1,024 930 954 710	433 393 284 266 294 313 356 239 250 255 443 555	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88 15.99 13.06	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23 13.40 12.90	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091 2,775 2,078	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318 2,356 2,055	4 307 277 204 134 115 64 7 19 227 419– 23– BER OF	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40 0.27 7.90	1.00 1.13 1.13 1.11 1.06 1.05 1.03 1.00 1.01 1.11 0.85 0.99	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902 46,604- 2,023-	827 812 806 824 830 840 804 835 821 112 105 836
1,052 934 762 1,019 1,090 899 1,021 1,024 930 954 710	433 393 284 266 294 313 356 239 250 255 443 555	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88 15.99 13.06 GES, ALL	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23 13.40 12.90	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091 2,775 2,078 WEIGHTED	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318 2,356 2,055 BY NUMI	4 307 277 204 134 115 64 7 19 227 419– 23– BER OF	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40 0.27 7.90 COWS:	1.00 1.13 1.13 1.11 1.06 1.05 1.03 1.00 1.01 1.11 0.85 0.99	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902 46,604- 2,023-	827 812 806 824 830 840 804 835 821 112 105 836
1,052 934 762 1,019 1,090 899 1,021 1,024 930 954 710 ANNUAI	433 393 284 266 294 313 356 239 250 255 443 555 AVERA	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88 15.99 13.06 GES, ALL	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23 13.40 12.90	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091 2,775 2,078 WEIGHTED 2,074	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318 2,356 2,055  BY NUMI 2,238	4 307 277 204 134 115 64 7 19 227 419– 23– BER OF	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40 0.27 7.90 COWS: 9.84 9.46 11.80	1.00 1.13 1.11 1.06 1.05 1.03 1.00 1.01 1.11 0.85 0.99	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902 46,604- 2,023-  36,701 25,507 52,012	827 812 806 824 830 840 804 835 821 112 105 836
1,052 934 762 1,019 1,090 899 1,021 1,024 930 954 710 ANNUAI 917 985	433 393 284 266 294 313 356 239 250 255 443 555 443 329 314	13.60 11.63 13.01 11.31 12.81 12.84 14.26 13.27 14.13 11.88 15.99 13.06 GES, ALL 12.55 13.09	13.62 13.25 14.82 12.59 13.63 13.56 14.72 13.32 14.26 13.23 13.40 12.90 ENTR.	2,185 2,356 2,051 1,888 2,194 2,125 2,004 2,037 2,063 2,091 2,775 2,078 WEIGHTED 2,074 2,090	2,189 2,663 2,328 2,092 2,328 2,240 2,068 2,044 2,082 2,318 2,356 2,055  BY NUMI 2,238 2,206	4 307 277 204 134 115 64 7 19 227 419– 23– BER OF	8.52 16.53 14.47 10.14 7.99 8.91 8.58 5.11 5.49 8.40 0.27 7.90 COWS:	1.00 1.13 1.13 1.11 1.06 1.05 1.03 1.00 1.01 1.11 0.85 0.99	1,705 90,909 75,716 46,051 25,523 18,123 8,859 1,018 2,481 25,902 46,604- 2,023-	827 812 806 824 830 840 804 835 821 112 105 836

## HEIFERS, 1982 COSTS PER HEIFER EQUIVALENT 1,312 MATURE-HEIFER EQUIVALENTS ON 21 COST ACCOUNT FARMS\*

ITEM		E PER HEII	
WATUR OF CALE AM DIDMIN			A 10/
VALUE OF CALF AT BIRTH	۸ 15	:	\$ 124
	•		
1,495 POUNDS OF DRY GRAIN	113 28		
1.2 TONS OF HAY			
2.4 TONS OF HAY CROP SILAGE			
6.4 TONS OF CORN SILAGE			
PASTURE AND ALL OTHER FEED	46	•	1
TOTAL FEED COSTS	40		<b>48</b> 0
LABOR - 26 HOURS			156
TRACTOR, TRUCK	- 39		
EQUIPMENT	19		
BEDDING	14		
BREEDING	15		
VET AND MEDICINE	11		
UTILITIES	7		
INSURANCE	7	-	
INTEREST	102		
BUILDING USE	79		
ALL OTHER	62		
TOTAL OTHER THAN CALF, FEED, LABOR		•	355
TOTAL COSTS - TO RAISE A HEIFER TO 26.7 MONTHS OF AGE		9	\$1,115

<sup>\*</sup>THERE WERE A TOTAL OF 3,319 HEIFERS OF ALL AGES ON THESE FARMS FOR A PART OR ALL OF THE YEAR. THEY WERE FED A TOTAL OF 35,037 NET HEIFER-MONTHS, WHICH, DIVIDED BY 26.7 MONTHS OF AGE AT FRESHENING EQUALS 1,312 MATURE-HEIFER EQUIVALENTS. (HEIFERS RAISED ON CONTRACT ARE NOT INCLUDED.)

FACTORS FROM 21 HEIFER ENTERPRISES 21 COST ACCOUNT FARMS, 1982 (ARRANGED BY NUMBER OF HEIFERS)

			AVERAGE	NET COST*		EIFER	RETURN	
	NUMBER	LABOR	AGE AT	PER	A	T	HOUR	\$
FARM	OF	PER	FRESH-	HEIFER	FRESH	ENING	OF	OF
NO	HEIFERS	HEIFER	ENING	MONTH	COST	VALUE	LABOR	COST
	NO	HR	МО	\$	\$	\$	\$	\$
834	598	8,	27	34	994	900	4.88	0.98
827	351	4	27	29	884	1,110	22.00	1.02
812	269	8	24	39	1,020	1,100	2.26	0.90
830	182	14	27	37	1,158	1,100	0.97	0.89
806	159	11	25	46	1,270	900	1.38-	0.85
824	150	22	26	45	1,295	1,000	0.89	0.84
840	149	12	30	42	1,380	1,200	0.45-	0.83
821	125	7	27	29	873	800	11.83-	0.71
835	123	11	25	36	1,012	1,000	1.95	0.93
111	120	23	26	46	1,324	1,100	0.97	0.81
804	105	9	25	31	884	900	2.45	0.88
112	99	10	27	39	1,166	1,000	0.73	0.92
105	96	21	24	40	1,035	1,000	6.21	1.03
105	85	16	27	42	1,494	1,600	7.53	1.07
836	77	18	30	39	1,257	850	0.91	0.69
867	55	19	24	54	1,436	1,000	8.48-	0.66
146	52	23	27	39	1,159	900	2.35-	0.72
153	44	20	29	45	1,342	800	1.45-	0.77
127	44	6	26	35	1,108	1,200	11.12	1.06
828	42	10	28	31	863	800	1.12	0.91
117	40	20	28	35	1,099	1,000	0.11-	0.79
	ROUP AVERAG	GES, ACCORE	ING TO NUME	BER OF HEIFER	<u>s:</u>			
THIRDS	0.45	_						
HIGH		9	27	39	1,143	1,044	4.17	0.90
MED	108	14	26	38	1,113	1,057	1.14	0.91
LOW	51	17	27	40	1,181	936	0.11	0.80
ANNUAL	AVERAGES,	ALL ENTR.	WEIGHTED H	BY NUMBER OF	HEIFERS:	-		
1982	158	10	27	37	1,115	1,001	1.49	0,91
1981	151	11	26	37	1,100	1,051	0.25	0.87
	139	11	26	35	1,042	1,105	5.94	0.99
1980	139	11	20		,	~,	J . J .	
1980 1979	120	12	27	34	1,048	960	3.97	0.96

<sup>\*</sup> Value of calf excluded.