LIVESTOCK

**COSTS AND RETURNS** 

FROM

### FARM COST ACCOUNTS

27 FARMS-1980 NEW YORK STATE

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### REPORTS from FARM COST ACCOUNTS

### 27 Farms, 1980

Enterprise data from the 1980 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.	81-22
Livestock Costs and Returns	A.E.	Res.	81-23
Field Crops Costs and Returns	A.E.	Res.	81-24
Fruit and Vegetable Crops Costs and Returns	A.E.	Res.	81-25

#### Livestock Costs and Returns, A.E. Res. 81-23

#### - Contents -

	Page
Introduction	1
Summary of Cost Account enterprises	6
Rates of return compared with other years	7
Cows - All enterprises	8
Cows - Stanchion herds and Freestall herds	12
Heifers	16

#### INTRODUCTION

The New York Farm Cost Account Project is a research project which is a part of the Cornell Agricultural Management Information System (CAMIS). Since 1914 data have been 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 are representative of the "better" farms in New York.

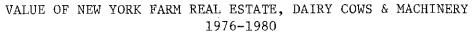
The reports present the results of individual enterprises and the averages of the enterprise costs and returns for all farms. They show not only the averages of cost and returns but also indications of the variations and reasons for them. The factors for individual enterprises are arranged according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

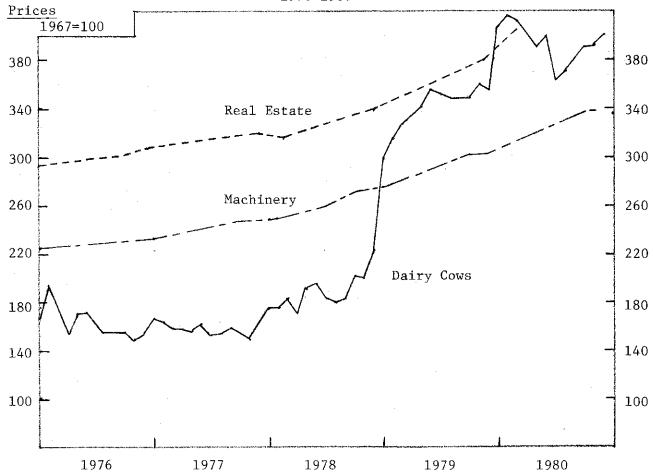
#### Acknowledgements

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, and the preparation of these reports was done by Barbara Wilcox and Florence Blodgett assisted by Oneta Shipe. Mary Chaffee typed and assembled the reports and assisted in processing the data.

The material on pages 2, 3, and 4 of this report was taken from A.E. Res. 81-10, Dairy Farm Management, Business Summary, New York, 1980, by Stuart F. Smith.

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 real farm data would not exist.



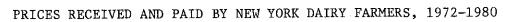


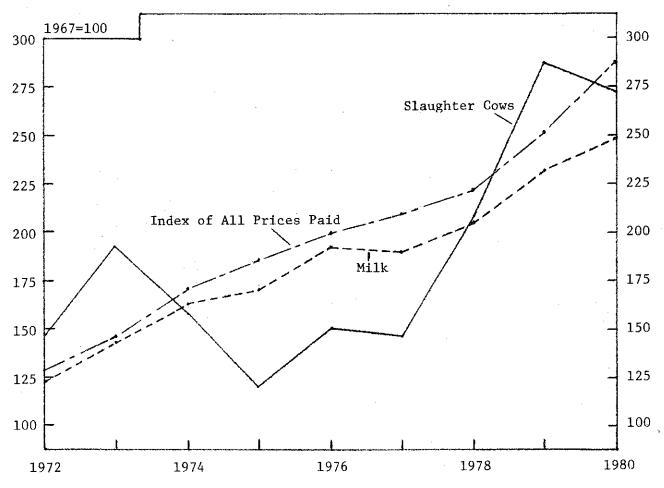
Price changes have a direct affect on the inventory values on New York dairy farms. Real estate and machinery prices have risen steadily during the past five years. Dairy cow prices rose sharply in late 1975, fulctuated throughout 1976, 1977, and most of 1978, and then jumped 130 percent between November 1978 and February 1980. Dairy Cow prices weakened during the first half of 1980 but finished strong at \$1,240 per head in December. From 1967 to 1980, machinery prices have increased 238 percent, dairy cows 400 percent and real estate 306 percent.

Table 1. REPORTED VALUES OF DAIRY FARM INVENTORY ITEMS, 1975-1980

	N.Y. Dairy	Cows	Machinery	N.Y. Farm Rea	al Estate
Year*	Value/Head	1967=100	1967=100	Value/Acre	1967=100
1975	(Dec.) \$450	145	(Dec.) 222	(Nov.) \$543	294
1976	(Dec.) 485	156	(Dec.) 233	(Nov.) 562	304
1977	(Dec.) 495	160	(Dec.) 253	(Nov.) 593	320
1978	(Dec.) 800	258	(Dec.) 276	(Nov.) 629	339
1979	(Dec.) 1105	356	(Dec.) 305	(Nov.) 704	381
1980	(Dec.) 1240	400	(Dec.) 338	(Feb.) 752	406
Percent change:				•	
1975 to 1976	+ 8%		+ 5%	+ 3%	
1976 to 1977	+ 3%		+ 9%	+ 5%	
1977 to 1978	+62%		+ 9%	+ 6%	
1978 to 1979	+38%		+ 9%	+12%	
1979 to 1980	+12%		+11%	+ 6%	

\*Latest figure reported for year, i.e., February for real estate.

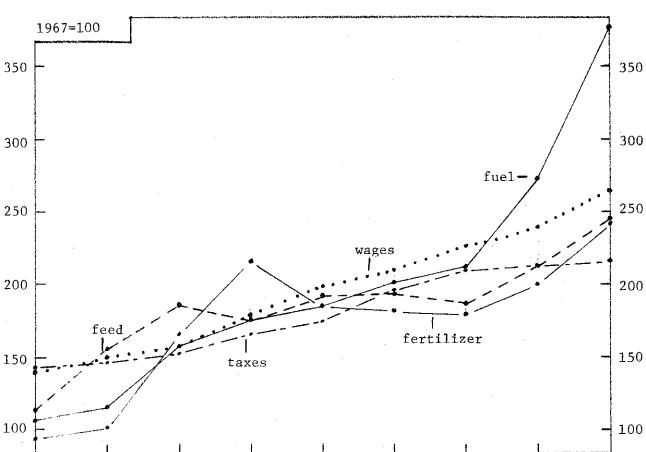




The relationship of prices received to prices paid is a major factor in determining farm income. The graph above shows the trend in prices since 1972 for milk, cull cows, and the index of prices paid by New York dairy farmers. Milk prices have lagged behind all prices paid since 1972 and the gap became greatest in 1980. Slaughter cow prices softened in 1980 after a dramatic rise of nearly 100 percent in two years.

Table 2. PRICES RECEIVED & PAID BY NEW YORK DAIRY FARMERS, 1970-1980

	Milk Slaughter		Prices Paid by	Monthly Farm Price Pe			
Year	3.5% B.F. Cows N.		N.Y. Dairy Farmers	100 Lbs. of l	of Milk, 1980		
	(cwt.)	(cwt.)	(1967=100)				
1970	\$ 5.89	\$20.70	112	January	\$12.25		
1971	6.02	21.20	120	February	12.24		
1972	6.25	24.48	126	March	12.08		
1973	7.30	32.80	146	Apri1	11.96		
1974	8.24	27.40	172	May	11.90		
				June	11.92		
1975	8.64	20.60	186	July	12.48		
1976	9.71	25.57	200	August	13.01		
1977	9.61	25.09	210	September	13.31		
1978	10.38	35.58	221	October	13.57		
1979	11.74	49.27	252	November	13.54		
		, , , , - ,		December	13.44		
1980	12.64	46.23	288				



PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1980

Prices of major farm inputs have all increased since 1972 but only wages paid by farmers have increased at a fairly constant rate. Feed prices rose 15 percent in 1980. Fertilizer prices increased 20 percent in 1980. Fuel prices jumped 29 percent in 1979 following four years of single digit increases and increased by 39 percent in 1980.

1976

1978

1980

Table 3. PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1980

1,974

	Index 1967=100								
Year	Feed	Fertilizer	Fuel	Wages	Taxes				
1972	112	94	108	140	142				
1973	157	102	116	150	146				
1974	185	167	159	160	154				
1975	177	217	177	180	166				
1976	192	185	187	199	176				
1977	194	182	203	212	195				
1978	186	180	212	229	210				
1979	213	202	273	241	213				
1980	245	242	380	264	216				
Percent increase: 1972 to 1979									
(average per year)	13%	16%	22%	10%	8%				
1979 to 1980	15%	20%	39%	9%	1%				

SOURCE: USDA Agricultural Prices

1972

Table 1. TEMPERATURE, PRECIPITATION AND GROWING SEASON Selected Stations, New York, 1941-70 and 1980

	Avera tempera	_	т	lena ai ni t			Length	
	-			Precipitation			growi	.ng
	<u> May - S</u>	ept.	May - S	ept.	Total An	nual	seaso	n*
Station	1941-70	1980	1941-70	1980	1941-70	1980	1947-67	1980
	degre	es		inc	hes		day	s
Albany	65.7	65.7	15.4	$17.\overline{3}$	33.4	32.6		169
Alfred	61.8	62.0	17.2	14.1	36.7	33.2	125	123
Aurora	64.6	64.5	13.8	15.6	40.0	31.7	160	170
Batavia	64.1	65.2	15.3	17.8	32.6	31.5	154	156
Binghamton	63.3	64.8	17.9	13.7	37.4	34.8	154	170
Canton	63.0	61.9	16.5	15.7	34.5	34.0	127	107
Glens Falls		63.4	17.8	11.0	39.3	26.1		136
Ithaca	63.8	63.6	17.2	13.1	34.8	31.4	145	136
Lowville	62.5	62.3	16.5	16.9	38.5	42.2	123	136
Utica	63.5	64.1	18.1	15.1	40.6	36.1	157	170

<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, 1980, Vol. 92, No. 13.

Weather is a factor to be considered when studying a farm business for a specific year. The growing conditions have a market effect on the crops for that year. It is for this reason that data are presented on the growing conditions for 1980 and for the period 1941-70.

The 1980 growing season in New York resulted in a good crop year with average season temperatures and somewhat less than average precipitation. Low moisture levels from a short snowfall during the winter were made up by above normal rainfall in March and early April. The most notable variations in weather during the growing season were abnormally warm, dry conditions in May and August. June and October were notably cooler than normal. Good planting conditions in May were followed by cool, wet weather during June. Fall harvest conditions were generally good throughout September and October.

Data in Tables 1 and 2 are presented for ten weather stations located throughout the State.

Table 2. GROWING SEASON RAINFALL Selected Stations, New York, 1941-70 and 1980

•	Ma	у	Jun	June		July		st	Septemi	ber
Station	1941-70	1980	1941-70	1980	1941-70	1980	1941-70	1980	1941-70	1980
					inch	es				
Albany	3.26	1.05	3.00	4.90	3.12	2.69	2.87	6.45	3.12	2.24
Alfred	3.76	1.39	3.76	3.44	3.73	1.16	3.00	5.49	2.93	2.65
Aurora	2.98	1.03	2.54	5.63	3.03	3.24	2.81	2.85	2.46	2.87
Batavia	3.17	1.70	2.69	8.01	3.05	2.31	3.50	1.55	2.87	4.23
Binghamton	3.83	1.54	3.59	5.68	3.83	2.09	3.61	1.58	3.02	2.81
Canton	3.37	0.93	2.91	2.22	3.43	4.43	3.47	3.35	3.31	4.78
Glens Falls	3.63	1.10	3.77	2.92	3.68	2.07	3.42	1.94	3.31	2,99
Ithaca	3.55	1.37	3.40	4.13	3.67	3.43	3.49	1.98	3.08	2.21
Lowville	3.42	1.98	2.94	3.89	3,26	6.42	3.58	1.07	3.31	3.49
Utica	3.52	1.37	3.55	4.56	4.17	5.26	3.54	1.47	3.32	2.41

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1980, Vol. 92, 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	1979	1980	1980
Hay	tons	1.9	2.2	2.3	2.4	2.8
Corn silage	tons	11	14	13.0	14.5	14.6
Corn grain	bu.	57	85	85	93	99
Oats	bu.	52	60	62	64	
Wheat	bu.	32	39	41	40	50
Milk per cow	lbs.	7,914	10,361	11,746	12,026	15,894

\*Source: New York Agricultural Statistics, 1980; Crop Reporting Service, USDA.

FARM COST ACCOUNT SUMMARY, 1980

Crop Enterprises

4			_					
		Average		Hours				,
	Number	acres		of	Retur	n per		Profit
	of	per	Yield	labor	Hour	Dollar	Profit	on
	enter-	enter-	per	per	of	of	per	enter-
Crop	prises	price	acre	acre*	1abor	cost	acre	_prise_
					\$	\$	\$	\$
Forage:								
Hay	19	70	2.8 tn	7	0.02	0.81	- 38	-2,632
Hay crop silage	16	157	7.2 tn	4	5.82	1.00	- 1	- 152
Corn silage	18	122	14.6 tn	5	5.86	0.99	. – 3	- 417
Grain:								
Corn for grain	6	55	100 bu	3	23.76	1.28	72	3,907
High moist. cor	n 14	144	3.6 tn	4	22.68	1.23	59	8,578
0ats								
Wheat	11	1:50	50 bu	2	22.46	1.21	35	5,236
Fruit:								
Apples	13	97	595 bu	94	5.52	0.91	-130	-12,544
Red tart cherries	s 8	34	8,171 1b	55	17.29	1.62	659	22,267

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

ENTERPRISE RATES OF RETURN

FARM COST ACCOUNT RECORDS, 1977-80

	Return	per h	our of	labor	Return	per d	ollar of	cost
Enterprise	1977	1978	1979	1980	1977	1978	1979	1980
	\$	\$	\$	\$.	\$	\$	\$	\$
Livestock:								
Dairy cows	5.07	9.01	1077	10.64	1.03	1.13	1.15	1.11
Dairy heifers	-1.43	2.23	3.97	5.94	0.78	0.92	0.96	0.99
Forage:								
Hay	5.15	3.31	0.90	0.02	1.05	0.94	0.84	0.81
Hay crop silage	3.19	-2.52	0.39	5.82	0.96	0.79	0.87	1.00
Corn silage	6.73	4.46	9.05	5.86	1.07	0.98	1.07	0.99
Grain:								
Corn for grain	-0.99	0.00	5.12	23.76	0.87	0.92	1.00	1.28
High moisture corn	7.10	6.98	18.84	22.68	1.07	1.04	1.22	1.23
Oats	-17.76	-3.92	-18.35	NA	0.54	0.77	0.63	NA
Wheat	-2.13	-4.11	22.68	22.46	0.84	0.75	1.26	1.21
Fruits:								
Apples	8.72	7.61	7.39	5.52	1.36	1.19	1.07	0.91
Sweet cherries	7.32	7.45	NA	· NA	1.23	1.29	NA	NA
Red tart cherries	17.71	43.59	33.16	17.29	1.64	3.43	2.80	1.62

#### Dairy Cows -

Dairy cow values were about a third higher at the beginning of 1980 than a year earlier. According to the New York Crop Reporting Board, cow values for the first half of the year began at \$1,160 per head, increased to \$1,200 and returned to \$1,160 in July. From that point, values increased to a high of \$1,250 in November and closed the year at \$1,240. The average value for the year was about \$1,200 per head - an increase of 15% over the 1979 average. Cull beef prices began at about \$47 per cwt, rose briefly and then varied between \$45 and \$47 per cwt. throughout the year to end at about \$45 per cwt. Bob calf prices trended downward during the year especially during the last half. Beginning at about \$83 per cwt, bob calves ended the year at \$69 and averaged \$78 per cwt. Both cull beef and bob calf prices were second only to the 1979 record prices.

Since these dairy enterprises represent commercial herds where herd dispersals are not a factor, cow values at the beginning of the year were adjusted upward to prevent unrealized capital gain from inflating dairy cow enterprise profits. Thus, 1980 profits on these dairy enterprises are not directly affected by the increase in cow values during the year. However, profits are affected by the change in cull beef and bob calf prices as dairymen disposed of livestock in the normal conduct of their herd management practices. Also, higher values for cows in the dairy herd resulted in higher interest charges for the investment in the cow.

### DAIRY COWS, 1980 COSTS AND RETURNS PER DAIRY COW 3,398 COWS ON 19 COST ACCOUNT FARMS

	AVERAGE PER COW
COSIS:  DEPRECIATION	\$ 169
FEED - 3.686 LBS OF DRY GRAIN	\$ 384 163 36 111 143 44
LABOR - 51 HOURS	320
TRACTOR, TRUCK	31 91 14 20 34 59 10 25 27 6 85 79 106 587 \$ 1,957
106 POUNDS OF MILK USED ON FARM CALVES	89 2
TOTAL RETURNS	\$ 2,182
PROFIL:	\$ 225
OTHER FACTORS - AVG PER CWT OF MILK: ALL GRAIN C TOTAL FEED LABOR COST TOTAL COST RETURNS	COST 5.54 2.02
MILK PRODUCED PER HOUP OF LABOR	311 LP
RETURN PER HOUR OF LABOR RETURN PER DOLLAR OF COST	f 10.64 1.11

### FACTORS FROM 20 DAIRY COW ENTERPRISES 19 COST ACCOUNT FARMS, 1980 (ARRANGED BY NUMBER OF COWS)

				MILK		FEED	PER			VET
		MILK	LABOR	PER		HIGH		HAY		MED
FARM	HERD	PER	PER	HR OF	DRY	MSTR		CROP	CORN	COST/
_10	SIZE.	com_	COM.	LABOR_	<u>GRAIN</u>			<u>silg</u>		COM_
	NO	LB	HR	LB	LB	ΤN	ΤN	TN	TN	\$
834	551	16.300		366	1,517	3.6	• 2	3.4	5.6	24
827	383	16+420	49	333	1,258	2 • 8	• 2	5.2	6.0	31
812	289	18,510		423	6,457			3.9	12.8	53
8 <b>06</b>	242	15.858		400	2,719	2.4	• 1	4.9	9.3	31
824	198	15 +871		463	2,414	2.5	• 1	6 . 0	3.4	54
8430	169	16,985		285	4,414	3.1	1.1	3.4	5.0	48
821	152	14,079		319	5,092	2 • 6	• 5	2.1	9.7	23
804	151	14,399		308	7 4 4 9 7		•5	3 .6	11.6	43
840	146	15,833		344	6,397	•.	• 2	7 • 2	9.3	22
105	125	14+440		223	2,432	3 • 4	•9		5.0	35
835	123	14.015		287	5,350	3.6	1.3	7.6	4.3	6.0
112	100	16,559		233	6,260	2.6	18	3 • 4	6.9	20
111*	99	18.083		217	2,646	3.7	<b>.</b> 3	10.1	3.8	14
836	80	14,355		236	5,450		2.3		7.6	23
843*	54	13 + 985	54	261	5,370		5.6			22
146*	51	11,508	118	97	2,627	2.4	2.6	1.0	5.9	31
8 <b>2</b> 8*	50	14,782		171	1,440	4 • 9	• 9	6 • 6	5.8	63
156 *	50	13,300	63	210	4.600		1 • 4		13.2	16
127*	45	15,389	4.9	316	5,689		1 • 8	2.1	10.3	42
111+	4.0	14,568	66	222	6,150		1 .8	2.5	8 • 8	17
								•		
:										
		AVERAGE	S. AC	COPCING	IO NU!	M <u>BER_O</u>	<u> </u>	M2:		
THIRDS									_	
HIGH		16,289		370	3,411	2.5	• 4		7.5	3.8
MED	124	15,555		269	5,097		• 9	6 • 3	6.9	. 32
LOW	53	13 + 984	71	217	4,476	1.1	2 • 4	1.8	7.4	31
	•				_					•
ANNUAL	_AVER	<u>ages. A</u>	<u>LL EN</u>	IR : WEI	GHTED !	<u>PY_NUM</u>	BER_	<u> 25 COW</u>	<u>s:</u>	
				_						
1980	155	15.894		311	3,686		•6		7.2	34
1979	150	15,372		3 6 3	4,521	1.8	• 7	3.6	8.0	37
1978	142	15,051		300	4,357	1.5	•6	3.6	7.8	33
1977	130	14,344		264	4,272	1.7	• 7	4.1	7.5	
1976	128	14,455	55	263	4,586	1.3	•6	4.3	8.6	26

See note on page 8.

<sup>\*</sup> STANCHION BARNS

## FACTORS FROM 20 DAIRY COW ENTERPRISES 19 COST ACCOUNT FARMS, 1980 (READ ACROSS BOTH PAGES)

			tio Monthly Sign Cale State one, o	ar deretta ten en arri	-			On an my ma san		
	COST		VG PER		VERAG		RETUR	NLPER	PROFIT	
	COM		NT OF	P	ER_CO	W	HOUR	\$	ON	
	OR		<u> ILK</u>		85≖	PRO-	0 F	OF	ENTER -	FARM
FEED.	LABO.	<u> </u>	<u> REIURI</u>	<u>V_COSI</u>			LABOR	COSI.	_PRISE_	_NO_
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
795	291		2 13.24	1728		509	17.94	1.29	280,078	834
733	392		13.13		2229	297	13.98	1.15	113,703	827
1,033	378		13.02		2513	257	14.52	1.11	74,201	812
948			13.80		2292	157	11.28	1.07	37,95 <i>6</i>	806
674	191		12.30		2039	414	17.66	1.25	82,024	824
274	281		12.93		2352	490	12.92	1.26	82,788	830
1,074	279		13.75		2028	83=	4 . 4 4	0.96	12,678-	821
1,055	327		13.88	2077		26 -	6.44	0.99	3,927=	804
1 + 0 2 5	279		13.08	1954		233	11.11	1.12	33,904	840
820			13.07	1924		47	6.08	1.02	5,904	105
1,106			12.82		1900	169-	0.99	0.92	20,803-	835
1,083	273		12.40		2136	45 -		0.98	4,415-	112
897 572	467		13.74		2587	449	11.01	1.21	44,464	111
			12.92		1930	92	10.21	1.05	7,41€	836
840			12.52		1823	175 -	2 .33	0.91	9,463=	843
697 8 <b>6</b> 4			12.76		1521	<b>168</b> -	2.41	0.90	8,567-	146
843			12.63	2004		28=		0.99	1,385~	828
509			13.49	1936		70-	2.17	0.96	3,540-	156
1 + 0 0 4			13.43		2210	34 =	•	8.6.0		127
14004	407	13.79	13.46	2077	2028	49 -	.5.52	0.98	1,924-	111
1000	CPOL	ID AME	DACEC	10000				_		
7257	-AURI	5 C T T T T E	RAGES.	<b>VALUABLE</b>	ZING_3	TO NUME	ER_QE_(	COMS:	_	
8 <b>76</b>	3.01	11-40	13.17	1051	0040	0.70	47.05			IRDS
598			13.17	1951 2058		292	13.25	1.16	94,010	HIGH
£19			13.03	1978		82 61 •	6 48	1.04	9,188	MED
	,	10001	10000	1916	1908	p I	4 .57	0.97	2,71(-	FOM
ANNU	AL AV	FRAGE	S. ALL	ENTR.	UFTCH	ITCh by	' ALLMOST		SOUO.	
				<u> </u>	- W = T Z C	TFA _ E1		- 45 - 6	NE S	
881	320	11.74	13.15	1957	2182	225	10.64	1.11	34,711	1000
796			12.19	1713		265	10.04	1.15	34,711 39,786	1980 1979
709	253		10.86	1501		199	9.01	1.13	28,352	1978
695	229	9.58	9.90	1413		47	5.07	1.03	6,085	1978
666	23 <b>7</b>		10.04	1356		133	6.73	1.10	17,005	1976
			- <del>-</del> ·		,	<b>-</b>	C1 # C	+ a 1 U	£19005	1710

#### STANCHION BARN HERDS

### DAIRY COWS, 1980 COSTS AND RETURNS PER DAIRY COW 335 COWS ON 5 COST ACCOUNT FARMS

	222 (082 014 2 002	T ACCOUNT FARMS	
ITEM		AVER	GE PER COW
	排水管 医结节沟管 医血管 的复数多多奇 医皮肤		
<u>cosis:</u>			
DEPRECIATION	机 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化	ga da da 40	\$ 150
•			
FFED - 3.582	2 LBS OF DRY GRAIN -	<b>***</b> \$ 366	
2.2 1	TONS OF HIGH MOISTURE	CORN 147	
1,3 1	TONS OF HAY	73	
4.7 1	TONS OF HAY CROP SILA	GF 124	
יינטידי ו	TONS OF CORN SILAGE	143	
Co /	RE AND ALL OTHER FEED	15	
PASIUM	RE AND ALL DIMER FEEL		868
TOTAL FEEL	COST PER COW	600 mm are 400 1500	000
		A contract	
LABOR - 79 h	HOURS		384
		_	
TRACTOR, TRU	CK		
EQUIPMENT -		75	
BEDDING		23	
BRFFDING		22	
VET AND MEDIC	CINE	28	
MTIL DANI THE	医多种 医多种 医多种 医多种 医多种 医多种	s = = = 82	
MILK PROTING		14	
MILK IESTING			
SUPPLIES		76	
UTILITIES -		30	
INSURANCE -		6	
INTEREST ON V	VALUE OF COW		
BUILDING USE	any	<b> </b>	
ALL OTHER -		130	•
TOTAL OTHE	ER THAN DEPREC, FEED	LABOR -	624
TOTAL COSTS		en es es	\$ 2,026
TOTAL COSTS			
5 5 7 1 1 B A 1 C +			
RETURNS:	0 05 8714 0010		•
15,018 PUUND	S OF MILK SOLD	= = = = = \$2,000	
76 POUNDS	S OF MILK USED ON FAF	(Nases Ti	
	स्ता स्तान स्तान द्वार प्राप्त स्तान स		
OTHER RETURNS	S	<b></b> 6	
TOTAL RETURNS	S 400 800 800 800 800 800 800 800 800	*************	\$ 2,109
to this to the	•	*	
			•
BBOPITA		(i) (i) (ii) (ii) (ii) (ii) (ii) (ii) (	\$ 83
PROFIL:			4 00
والمراجعة	والم برائة ويت	a diagram and high space with high lade and has san diagram and	
	AND SES ONT OF MILES	ALL CRAIN COCT	<b>*</b> 7 40
OTHER FACTURS -	AVG PER CWT OF MILK:	ALL GRAIN COST	3 3 4 0
	•	TOTAL FEED COST LABOR COST	5.75
	•	LABOR COST	2.54
		TOTAL COST	\$ 12.81
		RETURNS	13.35
		T	<b></b>
· · · · · · · · · · · · · · · · · · ·	MILK PRODUCED PER HO	ID OF IAPOD	191 LB
•	WIFK SKANACEN SEK DA	DR OF LADOR	# 2 # ED
			A E 00
	RETURN PER HOUR OF L		\$ 5.88
	RETURN PER DOLLAR OF	COST	1.04

# FREESTALL BARN HERDS DAIRY COWS, 1980 COSTS AND RETURNS PER DAIRY COW 2,709 COWS ON 13 COST ACCOUNT FARMS

5	2,709 COWS ON 13 CO		
ITEM		AVER	
^^^	23.65 ms <sub>49</sub> ms 39 4+ nž 4+ nž 4+ nž 4+ nž 4+ nž 12 t		
COSIS: DEPRECIATIO	N ला ला ला प्रता का ला ला ला ला का	লা আট এটা লোভ কটা প্ৰশিদ ়	\$ 170
FFFN = 3.6	66 LBS OF DRY GRAIN .		
	TONS OF HIGH MOISTUR		
	TONS OF HAY		
	TONS OF HAY CROP SIL		
	TONS OF CORN SILAGE	146	
	URE AND ALL OTHER FEE		
TOTAL FE	ED COST PER COW	50. dega \$500 essis 1530 desp	883
LABOR - 48	HOURS	त्रात्र विद्याः विद्याः विद्याः विद्याः	313
TRACTOR, TR	UCK ear ear ear ear ear ear ear ear		
EQUIPMENT			
BEDDING -	ens, eas eas eas ′es es eas eas es e <sub>s</sub> ∎		
BREEDING -	र्थक स्थाप स्थाप का	20	
VET AND MED		35	
MILK HAULIN			
MILK TESTIN			
SUPPLIES - UTILITIES			
INSURANCE			
	VALUE OF COW		
		<del> </del>	
ALL OTHER	लपुरू क्षत्रक प्रकृत प्रकृत प्रकृत प्रकृत विद्या प्रकृत क्षत्रक प्रकृत व	103	
TOTAL OT	HER THAN DEPREC, FEEL	D, LABOR -	582
TOTAL COSTS -	ena इतर 400 etcr tipr tipl प्रके स्वेत इतक पत्र t	50- day 537 159-	\$ 1,948
RETURNS:			
15,925 POUN	DS OF MILK SOLD		
107 POUN	DS OF MILK USED ON F	ARM 14	
CALVES			
TOTAL RETUR	NS was were two and two cas as a	an en en an	\$ 2,198
PROFIT:	ean tes tan opn dar da ten sin der da ,	ca en tja éw ma ew	\$ 250
وي جين مين سي حدد الله عليه الله الله الله الله الله الله الله ا	প্রার্থ (ব্যায় ব্যায়ে ব্যায়ে ব্যায় ব্যায় করে ব্যায় ব্যায় ব্যায় ব্যায় ব্যায় বাহ্য বাহ্য ব্যায় ব্যায় ব্যায় (ব্যায় ব্যায়ে ব্যায় ব্যায় ব্যায় ব্যায় ব্যায় ব্যায় ব্যায় ব্যায় ব্যায় বাহ্য ব্যায় ব্যায় ব্যা	الله الله الله الله الله الله الله الله	
OTHER FACTORS .	AVG PER CWT OF MILK		
		TOTAL FEED COST	
		LABOR COST	1.95
		TOTAL COST	¢ 11 -5Ω
		RETURNS	13.14
		Title & O INTO	<u>. – v – 1</u>
	MILK PRODUCED PER H	OUR OF LABOR	336 LB
	RETURN PER HOUR OF	LABOR	\$ 11.80
	RETURN PER DOLLAR OF	F COST	1 + 13

### FACTORS FROM 19 DAIRY COW ENTERPRISES 19 COST ACCOUNT FARMS, 1980 (ARRANGED BY NUMBER OF COWS)

			(ARR	AMGED B	Y NUMB	FR OF	COWS	)		
						FEED	PER	COW		VET
		MILK L	ABOR	PER		HIGH				MED
	HERD	PER	PER	HR OF	DRY	MSTR		CROP	CORN	COST/
_NO		COM	COM.	LABOR_	_GRAIN.	CORN	HAY			com_
	NO	LB	HR	LB	<b>L</b> B	TN	ΤN	TN	TN	\$
6 STAN	CHION B	ARN HERDS	:							
111	99	18,083			2,646					14
146	51	11,508			2,627					
828	50	14,782	86		1,440		. 9		5.8	63
156 127	50 45	13,300 15,389			4,600 5,689			2.1	13.2 10.3	16 42
111	40	14,568	66	222	6,150		1.8		8.8	17
***	70	21,9000			04100		140	2 4 3	0.0	• •
	L_AYER	<u>ages. Al</u>	L_EN	IB. WEJ	GHIED_	<u>EY NUM</u>	BER_	OF COL	ıs:	
1980	56	15,094	79	191	3,582	2.2	1 . 3	4.7	7.3	28
1979			80	180	4.922	1.1	2.4	2 . 4	5.9	28
1978		14,178	89	160	3,741	1.4	1.7	3.6	4.4	30
1977		13,503	90	150	4,050	1.5	1.7	4.1		23
1976	48	13,530	92	147	5,224	e 8	1.6	4 . 4	6.6	24
See no	te on pa	age 8.	o Citaly Recom Characterists	nchina district Charles Charle	r (Mille Claim Claim (Claim (Claim Claim C	20- 610 646 626-636 630 6	(1 to Co. Co. Co. Co. Co. Co. Co. Co. Co. Co		r (Mais - Mais Amar (sany Mary - Mais	- Mar was erin dan din ang.
13 FRE	ESTALL	BARN HERD	<u>s</u> :	·						
834	551	16,300	45	366	1,517	3.6	2،	3.4	5.6	24
		16,420	49		1,258				6.0	
812	289	18,510	44	423	6,457	· · -		3.9	12.8	53

834	551	16,300	45	366	1,517	3.6	•2	3 • 4	.5•6	24
827	383	16,420	49	333	1,258	2.8	• 2	5 . 2	6.0	31
812	289	18,510	44	423	6,457			3.9	12.8	53
806	242	15,858	40	400	2,719	2 . 4	. 1	4.9	9.3	31
824	198	15,871	34	463	2,414	2.5	e 1	6.0	3.4	54
830	169	16,985	60	285	4,414	3.1	1.1	3 • 4	5.0	48
821	152	14,079	44	319	5,092	2.6	• 5	2.1	9.7	23
804	151	14,399	47	308	7,497		<b>"</b> 5	3.6	11.6	43
840	146	15,833	46	344	6,397		<sub>*</sub> 2	7 . 2	9.3	22
105	125	14,440	65	223	2,432	3.4	• 9	5.5	5.0	35
835	123	14,015	49	287	5,350	3.6	1.3	7.6	4.3	60
112	100	16,559	71	233	6,260	2.6	1.8	3.4	6.9	20
836	80	14,355	61	236	5,450		2.3		7.6	23

### ANNUAL AVERAGES. ALL ENTR. WEIGHTED BY NUMBER OF COWS:

1980	208	16,031	48	336	3,666	2.3	• 5	4.3	7.3	35
1979	208	15,521	47	333	49463	1.8	e 4	3.8	8.3	38
1978	203	15.197	44	348	4,460	1.5	<b>4</b>	3.6	8.3	33
1977	193	14,534	46	314	4,322	1.7	• 5	4 • 1	7.8	27
1976	188	14,632	48	306	4,463	1.4	ø 5	4 • 2	9.0	26

### FACTORS FROM 19 DAIRY COW ENTERPRISES 19 COST ACCOUNT FARMS, 1980 (READ ACROSS BOTH PAGES)

												4	
AVG	COST		$\Delta V$	5 F	PER	- d 6% fills B	Δ\	VERAGE		REIUR	J PER	PROFIT	
	COW				) F			ER COW		HOUR	\$	ON	
	<u>OF.</u>					442 442 4				0 F			FARM
							S T					PRISE	
\$		i am 1866.	* * * \$				====== }				 \$	 \$	
Ť	7		-					•	•				
6 STAN	ACHION	BA	RN F	IER	ns :								
											<del>-</del>	~	
								•					
897	467							2587	449	11.01	1.21	44,464	111
697	452		-		-			1521		2.41	0.90	8 <b>,</b> 567 <b>-</b>	
864	404									4.36		1,385-	
843	208									2.17			
909										4.96		1,515-	
1,004	409	13	.79	1	3.46	5 20	77	2028	49-	5.52	0.98	1,924-	111
								•					
ANNII	AI AV	FR	AGE	\$4	All	FNTS	2 .	HETCH.	TEN RY	<u>L NUMBER</u>	OF	ONS:	
<b>E 17.77</b>	d		C ***:	disease on	- 45 45 45 - 45 45 45		പ്പെട്ട് ക	- 400 400 400 400 400 400 400 400 400 40	13	and the second s	de en er er		
868	384	12	. 81	13	5.35	202	26	2109	83	5.88	1.04	4,585	1980
812												2 • 662	
669	310	10	.25	1 (	0.47	151	19	1550	31	3 .83	1.02	1,566	1978
709	300	10	o 77	5	9.67	149	₹3	1345	148-	1.69	0.90	7,911-	1977
666	305	10	<b>- 2</b> 8	6	5.76	142	26	1357	69-	2.55	0.95	3,332-	1976
tion film time the file	timo essa essa espaisa des		San Olym Bland		in tile one til		n 400 40	w 400 var and 400 and 1	(1) to the case of the case of	an east each each each each each ea	* OR TO TO TO THE #	ද අධ්ය දුරු සිත සිත අත අත අත අත	
13 F	REESTA	LL	BARN	Н	ERDS	<b>\$</b> Q							
<del></del>							20	223	Enc	17 04	1 20	200 879	074
795	291	10	e 1 2	1:	3 . 2 4	172		2237	509			280 o 078	
795 733	291 392	10 11	•12 •32	1:	3,24 3,13	172	32	2229	297	13.98	1.15	113,703	827
795 733 1,033	291 392 378	10 11 11	•12 •32 •63	1	3,24 3,13 3,02	172 3 193 2 225	32 56	2229 2513	297 257	13.98 14.52	1.15 1.11	113,703 74,201	827 812
795 733 1,033	291 392 378 290	10 11 11 12	•12 •32 •63 •81	1	3.24 3.13 3.02	172 3 193 2 225 1 213	32 56 35	2229 2513 2292	297 257 157	13.98 14.52 11.28	1.15 1.11 1.07	113,703 74,201 37,956	827 812 806
795 733 1,033	291 392 378	10 11 11 12 9	•12 •32 •63 •81 •69	1	3.24 3.13 3.02 3.8(	172 193 2 225 2 213 1 162	32 56 35 25	2229 2513 2292 2039	297 257 157 414	13.98 14.52 11.28 17.66	1.15 1.11 1.07 1.25	113,703 74,201 37,956 82,024	827 812 806 824
795 733 1,033 948 674	291 392 378 290	10 11 11 12 9	•12 •32 •63 •81 •69		3.24 3.13 3.02 3.8( 2.3( 2.93	172 193 2 225 1 213 1 162 6 186	32 56 35 25 22	2229 2513 2292	297 257 157 414 490	13.98 14.52 11.28	1.15 1.11 1.07	113,703 74,201 37,956	827 812 806
795 733 1,033 948 674 874 1,074	291 392 378 290 191 281 279 327	10 11 11 12 9 10 14	.12 .32 .63 .81 .69 .04		3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 ( 2 · 3 ( 2 · 9 3 3 · 7 5	172 193 2 225 1 213 1 162 6 186 2 211 8 201	32 36 35 25 32 11	2229 2513 2292 2039 2352 2028 2051	297 257 157 414 490 83-	13.98 14.52 11.28 17.66 12.92	1.15 1.11 1.07 1.25 1.26	113,703 74,201 37,956 82,024 82,788	827 812 806 824 830
795 733 1,033 948 674 874 1,074 1,055 1,025	291 392 378 290 191 281 279 327 279	10 11 12 10 14 14 11	.12 .32 .63 .81 .69 .04 .34		3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 ( 2 · 9 3 3 · 7 5 3 · 8 8	172 193 2 225 1 213 1 162 1 186 2 213 3 203 3 195	32 56 35 25 32 32 37 34	2229 2513 2292 2039 2352 2028 2051 2187	297 257 157 414 490 83- 26- 233	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904	827 812 806 824 830 821 804 840
795 733 1,033 948 674 874 1,055 1,055 1,025 820	291 392 378 290 191 281 279 327 279 346	10 11 12 10 14 14 11 12	.12 .63 .81 .69 .04 .34 .61	111111111111111111111111111111111111111	3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 ( 2 · 9 3 3 · 7 5 3 · 0 8	172 193 2 225 1 213 1 162 1 186 2 213 2 203 3 195 7 193	32 36 35 35 35 37 34 34	2229 2513 2292 2039 2352 2028 2051 2187 1971	297 257 157 414 490 83- 26- 233 47	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904	827 812 806 824 830 821 804 840 105
795 733 1,033 948 674 874 1,074 1,055 1,025 820 1,106	291 392 378 290 191 281 279 327 279 346 217	10 11 12 10 14 11 12 14	.12 .63 .63 .69 .04 .04 .06 .75	131111111111111111111111111111111111111	3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 ( 2 · 9 3 3 · 7 5 3 · 8 8 3 · 0 8 3 · 0 8 3 · 0 8 2 · 8 2	172 193 2 225 2 213 1 162 6 186 6 211 8 195 8 195 1 206	32 36 35 35 35 35 36 37 34 36 37 37 37 37 37 37 37 37 37 37 37 37 37	2229 2513 2292 2039 2352 2028 2051 2187 1971	297 257 157 414 490 83- 26- 233 47 169-	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 1.02 0.92	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803-	827 812 806 824 830 821 804 840 105 835
795 733 1.033 948 674 874 1.074 1.055 1.025 820 1.106 1.083	291 392 378 290 191 281 279 327 279 346 217 273	10 11 12 10 14 11 12 14 12 14	.12 .32 .63 .69 .04 .06 .61 .75 .66	1:11:11:11:11:11:11:11:11:11:11:11:11:1	3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 ( 2 · 3 ( 2 · 3 7 5 3 · 0 8 3 · 0 8 3 · 0 8 3 · 0 8 3 · 0 8 4 ( 2 · 8 2 4 ( 2 · 8 4)	172 193 2 225 1 213 1 162 6 186 2 213 8 295 1 295 2 206 2 218	32 56 55 52 52 52 52 52 53 54 54 54 54 54 54 54 54 54 54 54 54 54	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136	297 257 157 414 490 83- 26- 233 47 169- 45-	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 1.02 0.92	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415-	827 812 806 824 830 821 804 840 105 835 112
795 733 1,033 948 674 874 1,074 1,055 1,025 820 1,106	291 392 378 290 191 281 279 327 279 346 217	10 11 12 10 14 11 12 14 12 14	.12 .32 .63 .69 .04 .06 .61 .75 .66	1:11:11:11:11:11:11:11:11:11:11:11:11:1	3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 ( 2 · 3 ( 2 · 3 7 5 3 · 0 8 3 · 0 8 3 · 0 8 3 · 0 8 3 · 0 8 4 ( 2 · 8 2 4 ( 2 · 8 4)	172 193 2 225 1 213 1 162 6 186 2 213 8 295 1 295 2 206 2 218	32 56 55 52 52 52 52 52 53 54 54 54 54 54 54 54 54 54 54 54 54 54	2229 2513 2292 2039 2352 2028 2051 2187 1971	297 257 157 414 490 83- 26- 233 47 169-	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 1.02 0.92	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803-	827 812 806 824 830 821 804 840 105 835
795 733 1.033 948 674 874 1.074 1.055 1.025 820 1.106 1.083	291 392 378 290 191 281 279 327 279 346 217 273	10 11 12 10 14 11 12 14 12 14	.12 .32 .63 .69 .04 .06 .61 .75 .66	1:11:11:11:11:11:11:11:11:11:11:11:11:1	3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 ( 2 · 3 ( 2 · 3 7 5 3 · 0 8 3 · 0 8 3 · 0 8 3 · 0 8 3 · 0 8 4 ( 2 · 8 2 4 ( 2 · 8 4)	172 193 2 225 1 213 1 162 6 186 2 213 8 295 1 295 2 206 2 218	32 56 55 52 52 52 52 52 53 54 54 54 54 54 54 54 54 54 54 54 54 54	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136	297 257 157 414 490 83- 26- 233 47 169- 45-	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 1.02 0.92	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415-	827 812 806 824 830 821 804 840 105 835 112
795 733 1,033 948 674 874 1,055 1,025 820 1,106 1,083 572	291 392 378 290 191 281 279 327 279 346 217 273 528	10 11 12 9 10 14 11 12 14 12 12	.12 .32 .63 .81 .69 .04 .06 .75 .06 .06 .06 .06 .06 .06 .06 .06 .06 .06	131111111111111111111111111111111111111	3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 (2 2 · 9 3 3 · 0 8 2 · 9 2 4 (2 2 · 9 2	172 193 2 225 1 213 1 162 1 183 2 195 2 195 2 183 2 183	32 356 355 355 357 367 377 467 377 378 378 378 378 378 378 378 378 37	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136 1930	297 257 157 414 490 83- 26- 233 47 169- 45- 92	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22 10.21	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 1.02 0.98 1.05	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415- 7,416	827 812 806 824 830 821 804 840 105 835 112
795 733 1,033 948 674 874 1,055 1,025 820 1,106 1,083 572	291 392 378 290 191 281 279 327 279 346 217 273 528	10 11 12 9 10 14 11 12 14 12 12	.12 .32 .63 .81 .69 .04 .06 .75 .06 .06 .06 .06 .06 .06 .06 .06 .06 .06	131111111111111111111111111111111111111	3 · 2 4 3 · 1 3 3 · 0 2 3 · 8 (2 2 · 9 3 3 · 0 8 2 · 9 2 4 (2 2 · 9 2	172 193 2 225 1 213 1 162 1 183 2 195 2 195 2 183 2 183	32 356 355 355 357 367 377 467 377 378 378 378 378 378 378 378 378 37	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136 1930	297 257 157 414 490 83- 26- 233 47 169- 45- 92	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 1.02 0.98 1.05	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415- 7,416	827 812 806 824 830 821 804 840 105 835 112
795 733 1,033 948 674 874 1,075 1,055 1,025 820 1,106 1,083 572	291 392 378 290 191 281 279 327 279 346 217 273 528	10 11 11 12 10 14 11 11 12 14 11 12 12	.12 .63 .69 .04 .06 .75 .06 .28	1:11:11:11:11:11:11:11:11:11:11:11:11:1	3 · 2 · 3 · 3 · 3 · 3 · 3 · 3 · 3 · 3 ·	172 193 225 1213 162 186 2113 203 195 195 2183	32 56 55 55 52 52 52 52 52 52 52 53 53 53 53 53 53 53 53 53 54 54 54 54 54 54 54 54 54 54 54 54 54	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136 1930	297 257 157 414 490 83- 233 47 169- 45- 92	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22 10.21	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 1.02 0.92 0.98 1.05	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415- 7,416	827 812 806 824 830 821 804 840 105 835 112 836
795 733 1,033 948 674 874 1,074 1,055 1,025 820 1,106 1,083 572	291 392 378 290 191 281 279 327 279 346 217 273 528	10 11 11 12 10 14 11 11 12 14 11 12 12	.122 .633 .69 .04 .061 .75 .068 .28	1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1	3 · 1 3 · 3 · 6 3	172 193 2 225 1 213 1 162 1 183 2 193 2 193 2 183 2 183	32655525211774429138 3263525211774429138	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136 1930	297 257 157 414 490 83- 26- 233 47 169- 45- 92	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22 10.21	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 0.92 0.98 1.05	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415- 7,416	827 812 806 824 830 821 804 840 105 835 112 836
795 733 1,033 948 674 874 1,075 1,055 1,025 820 1,106 1,083 572	291 392 378 290 191 281 279 327 279 346 217 273 528 AL_AV	10 11 12 10 14 14 11 12 12 12 12 11 10	.12 .63 .63 .63 .64 .61 .75 .66 .28 .65 .65 .65 .65	13 13 13 13 13 13 13 13 13 13 13 13 13 1	3 · 1 3 · 3 · 6 3	172 193 2 225 1 213 1 162 1 183 2 193 1 193 2 183 2 18	3265 355 355 355 355 355 355 355 355 355 3	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136 1930 WEIGH	297 257 157 414 490 83- 233 477 169- 92 TED_BY 250 296	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22 10.21 1.80 12.29	1.15 1.17 1.25 1.26 0.96 0.99 1.12 1.02 0.98 1.05	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415- 7,416	827 812 806 824 830 821 804 840 105 835 112 836
795 733 1,033 948 674 874 1,055 1,025 820 1,106 1,083 572	291 392 378 290 191 281 279 327 279 346 217 273 528 AL_AV	10 11 11 12 9 10 14 11 12 12 12 12 11 10 9	.12 .63 .63 .63 .64 .61 .75 .66 .28 .65 .65 .65 .65	1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1	3 · 2 · 3 · 3 · 3 · 3 · 3 · 3 · 3 · 3 ·	172 193 2 225 1 213 1 162 1 183 2 193 2 183 2 184 2 18	36555217744918 3784918	2229 2513 2292 2039 2352 2028 2051 2187 1971 1900 2136 1930	297 257 157 414 490 83- 26- 233 47 169- 45- 92	13.98 14.52 11.28 17.66 12.92 4.44 6.44 11.11 6.08 0.99 3.22 10.21	1.15 1.11 1.07 1.25 1.26 0.96 0.99 1.12 0.92 0.98 1.05	113,703 74,201 37,956 82,024 82,788 12,678- 3,927- 33,904 5,904 20,803- 4,415- 7,416	827 812 806 824 830 821 804 840 105 835 112 836

## HEIFERS, 1980 COSTS PER HEIFER EQUIVALENT 1081 MATURE-HEIFER EQUIVALENTS ON 19 COST ACCOUNT FARMS\*

ITEM	AVERAGE PER HEIFER RAISED TO 29 MONTHS
VALUE OF CALF AT BIRTH	\$ 125
FEED - MILK AND MILK REPLACER	\$ 31
1,682 POUNDS OF DRY GRAIN	131
.3 TONS OF HIGH MOISTURE CORN	
1.3 TONS OF HAY	69
2.3 TONS OF HAY CROP SILAGE	
7.7 TONS OF CORN SILAGE	
PASTURE AND ALL OTHER FEED	
TOTAL FEED COSTS	507
LABOR - 26 HOURS	156
TRACTOR, TRUCK	36
EQUIPMENT	19
BEDDING	
BREEDING	
VET AND MEDICINE	<del></del>
UTILITIES	·
INSURANCE	
INTEREST	
BUILDING USE	
ALL OTHER	
TOTAL OTHER THAN CALF, FEED, LABOR	. 346
TOTAL COSTS - TO RAISE A HEIFER TO 29 MONTHS OF AGE	\$1134

<sup>\*</sup>THERE WERE A TOTAL OF 2,641 HEIFERS OF ALL AGES ON THESE FARMS FOR A PART OR ALL OF THE YEAR. THEY WERE FED A TOTAL OF 31,355 NET HEIFER-MONTHS, WHICH, DIVIDED BY 29, EQUALS 1,081 MATURE-HEIFER EQUIVALENTS. (HEIFERS RAISED ON CONTRACT ARE NOT INCLUDED.)

FACTORS FROM 19 HEIFER ENTERPRISES
19 COST ACCOUNT FARMS, 1980
(ARRANGED BY NUMBER OF HEIFERS)

	****	s tean diam cama tama tama diam tamp ayu	AVERAGE	NET COS	T* PER	HEIFER	REJUR	N PER
	NUMBER	LABOR	AGE AT	PFR	,,	AT	HOUR	\$
FARM	0F	PER	FRESH-	HEIFER	R FRE	SHENING	OF	0 F
_NO	_HEIEERS_	_HEIEER_		HINOM		VALUE.		_CQSI
	NO	HR	MO	\$	\$	\$	\$	\$
834	513	8	27	34	1,008	1,000	1.11-	0.87
827	332	7	25	36	1 • 0 û 7	1,000	0.13-	0.88
812	267	6	24	38	1.051	1,200	18.43	1.12
824	169	21	28	38	1,171	1,250	5.17	1.00
8 <b>30</b>	162	17	26	39	1,214	1,200	7.76	1.09
806	162	8	26	31	950	1 . 200	17.39	1.17
111	133	12	27	37	1,132	1,100	0.47	0.87
821	129	7	26	24	755	1,000	26.14	1.37
840	124	11	30	34	1,167	1,300	7.37	1.03
835	106	13	25	37	1,038	1,200	2.29	0.95
8 <b>0</b> 4	<del>9</del> 8	7	27	<b>3</b> 5	1.045	1,100	3.51	0.94
105	97	21	27	41	1,236	1,100	8.24	1.10
112	92	10	27	30	940	1,100	14.58	1.27
836	61	17	29	35	1.113	900	4.09	0.82
146	54	21	27	29	837	800	1.47	0.87
828	43	11	28	24	778	900	7.59-	0.59
127	41	7	24	34	1,003	1,400	31.76	1.36
156	4 0	1.4	3.0	36	1.182	1,000	1.77-	9.86
843	18	7	25	37	1,037	1,100	2.37.	0.88
4								
<u>1980</u> Third	<u>GROUP AVE</u> S	RAGES - A	<u>CCORDING</u>	<u> IO NUMBE</u>	R OF HE	IFERS:		
	H 268	12	26	36	1,067	1,142	7.92	1.02
MED	111	12	27	34	1,045	1,129	8.94	1.08
LOW	43	13	27	33	992	1,017	4.27	0.90
			<del>-</del> •	<b>~</b> -	,,,_	- ,		4472
<u>ANNUA</u>	<u>L AVERAGE</u>	S- ALL E	NIR. WEIG	HIED BY	NUMBER	OF HEIF	ERS:	
1980	139	1 1	0.5		4 0 5 0	4 48-	F 6.	
1979	139	11	26	35 7.4	1,042	1,105	5.94	0.99
1979	120	12 12	27 2 <b>7</b>	34	1,048	960	3.97	0.96
1977	113	13	27	29 25	862	789	2.23	0.92
1976	108	12	28	25 24	739	605	1.43-	0.78
	200	<b>*</b> <del>′</del>	20	<i>24</i>	734	566	_2.90-	0.72

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

Note - These enterprises indicate a leveling off of costs to raise heifers to freshening age. The demand for ready-to-freshen heifers was strong enough in 1980 to cause a 15 percent increase in their value over 1979. These factors contributed to nearly a break-even situation for these heifer enterprises as a group.