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COLUMBIA - DUTCHESS COUNTIES 1980

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COLUMBIA & DUTCHESS COUNTIES DAIRY FARM BUSINESS SUMMARY

INTRODUCTION

Dairy farmers in more than forty counties throughout the State submit records for summarization through Cooperative Extension's Farm Business Management Program. Each dairy farmer receives a report for the farm containing all the management information found in this publication. A compilation of the individual farm reports is published in ten regional summaries like this one and in one statewide summary. These publications are used not only by extension personnel and dairy farmers but also by many segments of the dairy industry to monitor the health of the milk production sector.

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Primary objectives of the dairy farm business management program are to (1) assist farmers in developing and maintaining more complete farm business data for use in management decisions and (2) help farmers improve their management skills through appropriate use of farm record data and application of modern decision-making techniques. This report is prepared in workbook form for use in the systematic study of individual farm business operations. This booklet should also be useful to farmers in Columbia and Dutchess counties who are not enrolled in the business management project and to agribusiness firms.

The increasing size of the New York dairy farms and the dynamic nature of the economic environment within which they operate make farm incomes increasingly dependent upon the accuracy of management decisions. An assessment of past business performance combined with careful analysis of future economic conditions and goals of the farm business will greatly enhance the operator's profit potential.

With upward pressure on costs continuing into 1981, dairy farmers will need to place emphasis on operating the most efficient business possible. Two areas for continued emphasis are (1) dairy concentrate purchases and the total livestock feeding program, and (2) the crop production program. Dairy concentrate purchases are the largest single cash expense and with large increases in fuel and fertilizer costs, the cropping program warrants careful examination as well. By carefully proceeding through this workbook to determine business strengths and weaknesses and by carefully planning next year's business operations, a dairy farmer will be in a better position to manage the farm through the challenges of the 1980s.

Business records for 52 farms in Columbia and Dutchess counties are summarized in this publication.

This publication was prepared by Stuart F. Smith, Department of Agricultural Economics, New York State College of Agriculture and Life Sciences. Records were collected and submitted by David Arnold, Columbia County Cooperative Extension Agent, David Tetor, Dutchess County Cooperative Extension Agent, and the Hudson Valley Farm Credit Association.

Improvements In 1980 Dairy Farm Business Summary

Although there are no major changes in the format of this year's Dairy Farm Business Summary publication, there are several changes in the accounting procedures. These changes affect comparisons of 1980 data with farm business summaries from prior years.

The following accounting methods were used for the first time this year to more accurately separate the effect of inflation on farm inventories, from increases caused by greater quantity and/or improved quality of inventory items.

- 1. The fixed cost of maintaining machinery and equipment; depreciation is last year's regular income tax depreciation plus ten percent of machinery purchases in 1980. An increase in machinery market value that more than offsets the depreciation charge is machinery appreciation and is included in labor, management and ownership income of the farm business. Machinery appreciation is not included in the calculation of labor and management income but depreciation is included.
- 2. The change in livestock inventory is now divided into two parts. The change in herd market value attributed to a change in numbers and/or a definite change in herd quality, is the increase (or decrease) in livestock inventory that is included in labor and management income. The change in herd market value, caused by inflationary price increases, is excluded from labor and management income but is included in labor, management and ownership income.

Other new accounting procedures have been introduced to more accurately identify important farm resources and to obtain a better measure of forage production.

- 1. The number of operators now includes individuals who are integrally involved in the operation and management of the farm business in addition to the primary operator. Many farm spouses are included as part-time operators this year. The number of full-time operators per farm is total months of all operators' labor reported divided by 12.
- 2. The land available for crop production is called total <u>tillable</u> acres. Nontillable pasture, woodland and wasteland is included in the total land inventory. The reason for changing to tillable acres is to inventory the land resource available for production rather than only that currently in production.
- 3. Tons of dry matter has been adopted as an improved method of measuring forage harvested. It is more consistent and is more commonly used in dairy cattle nutrition than hay equivalent.

1980 DAIRY FARM BUSINESS SUMMARY Average of 52 Columbia & Dutchess County Dairy Farms

			
CAPITAL INVESTMENT 1/1/80	1/1/81	RECEIPTS	
Livestock \$106,556 Feed & supplies 27,700 Machinery & equip. 68,147 Land & buildings 195,945 Total Investment \$398,348 EXPENSES	\$111,070 31,354 75,772 201,019 \$419,215	Milk sales Crop sales Dairy cattle sold Calves & other livestock sal Refunds & payments Machine work Miscellaneous	\$170,898 3,019 17,741 es 3,016 233 588 1,828
Hired Labor	\$ 17,773	Total Cash Receipts	\$197,323
Feed Dairy concentrate Hay & other	45,103 309	Increase in feed & supplies Livestock appreciation Machinery appreciation Real Estate appreciation	3,654 4,619 3,747 6,582
Machinery Machine hire Machinery repair & auto (f. Gas & oil	1,572 s.) 9,304 8,253	TOTAL FARM RECEIPTS TOTAL FARM RECEIPTS EXCLUDING APPRECIATION	\$215,925 \$200,977
Livestock Replacement livestock Breeding fees Veterinary & medicine Milk mktg. (promo. & dues)	1,059 2,336 3,099 9,571	FINANCIAL SUMMARY Cash Farm Receipts Cash Farm Expenses Net Cash Farm Income	\$197,323 159,731 \$ 37,592
Other livestock expense Crops Fertilizer & lime Seeds & plants Spray & other	7,809 9,948 2,751 2,392	Total Farm Rcpts. Exc. Appr. Total Farm Expenses Labor & Management Income Number of operators Labor & Mgmt. Inc./Operator	\$200,977 206,622 \$-5,645 1.31 \$-4,309
Real Estate Repairs Taxes Insurance Rent	2,587 4,456 4,546 5,875	Total Farm Receipts Total Farm Expenses Excludin Interest on Equity Capital Labor, Mgmt. & Ownership Inc Labor, Mgmt. & Ownership Income per Operator	178,217
Other Cash Expenses	F10	Ret. on Eq. Cap. with Appr.	6.0%
Telephone (farm share) Electricity (farm share) Interest paid Miscellaneous	530 3,605 12,775 4,078	Number of cows	86 70
Total Cash Expenses	\$159,731	Number of heifers Total tillable acres Worker equivalent	271 3.3
Noncash Items Decrease in livestock inv. Expansion livestock Machinery depreciation Building depreciation Unpaid labor @ \$500/mo. Int. on equity cap. @ 9% TOTAL FARM EXPENSES	\$ 105 758 11,842 4,281 1,500 28,405 \$206,622	Pounds of milk sold per cow Tons hay crop D.M. per acre Tons corn silage per acre Cows per worker Milk sold/worker, pounds % purchased feed is of milk % debt pymts. are of milk re Ave. price per cwt. of milk	14,700 2.6 13.6 26 380,500 rec. 26% ec. 14% \$13.49
TOTAL FARM EXPENSES EXCLUDING INTEREST ON EQUITY CAPITAL	•	Farm capital per cow Debt per cow	\$4,932 \$1,604

1980 DAIRY FARM BUSINESS SUMMARY Average of 42 Owned Columbia & Dutchess County Dairy Farms

CAPITAL INVESTMENT 1/1/80	1/1/81	RECEIPTS	
Feed & supplies 27,474 Machinery & equip. 68,418 Land & buildings 241,126	108,197 31,459 75,482 246,850 461,988	Milk sales Crop sales Dairy cattle sold Calves & other livestock sale Refunds & payments Machine work Miscellaneous	\$163,738 3,014 17,784 es 3,113 148 728 1,876
Hired Labor \$	16,536	Total Cash Receipts	\$190,401
Feed Dairy concentrate Hay & other	41,463 308	Increase in feed & supplies Livestock appreciation Machinery appreciation Real Estate appreciation	3,985 4,902 3,326 7,984
Machinery Machine hire Machinery repair & auto (f.s.) Gas & oil	1,647) 9,544 8,202	TOTAL FARM RECEIPTS TOTAL FARM RECEIPTS EXCLUDING APPRECIATION	\$210,598 \$194,386
Livestock Replacement livestock Breeding fees Veterinary & medicine Milk mktg. (promo. & dues)	696 2,208 2,964 9,034	FINANCIAL SUMMARY Cash Farm Receipts Cash Farm Expenses Net Cash Farm Income	\$190,401 153,185 \$ 37,216
Other livestock expense Crops Fertilizer & lime Seeds & plants Spray & other	6,961 10,008 2,726 2,136	Total Farm Rcpts. Exc. Appr. Total Farm Expenses Labor & Management Income Number of operators Labor & Mgmt. Inc./Operator	\$194,386 203,224 \$- 8,838 1.2 \$- 7,244
Real Estate Repairs Taxes Insurance Rent	2,592 4,803 4,583 4,116	Total Farm Receipts Total Farm Expenses Excluding Interest on Equity Capital Labor, Mgmt. & Ownership Inc Labor, Mgmt. & Ownership Income per Operator	172,910
Other Cash Expenses		Ret. on Eq. Cap. with Apprec	
Telephone (farm share) Electricity (farm share) Interest paid	521 3,477 14,451	BUSINESS FACTORS Number of cows	82
Miscellaneous	4,209	Number of heifers	68
Noncash Items Decrease in livestock inv. \$ Expansion livestock Machinery depreciation Building depreciation Unpaid labor @ \$500/mo. Int. on equity cap. @ 9% TOTAL FARM EXPENSES \$ TOTAL FARM EXPENSES EXCLUDING	578 938 11,597 5,112 1,500 30,314 203,224 172,910	Total tillable acres Worker equivalent Pounds of milk sold per cow Tons hay crop D.M. per acre Tons corn silage per acre Cows per worker Milk sold/worker, pounds % purchased feed is of milk red % debt pymts. are of milk red Ave. price per cwt. of milk Farm capital per cow Debt per cow	

SUMMARY OF THE FARM BUSINESS

Knowledge about the availability of farm resources and their characteristics is fundamental to judging management performance. The table below gives some facts about the physical and capital resources of these farms. The farms are divided into three groups to allow for better comparisons.

Business Characteristics

Thirty-five of the 52 farms are individual proprietorships, 13 are partnerships and four are corporations. Forty-five of the herds are on DHIC, and three are on owner sampler. Sixty-seven percent of the farms have stanchion barns, 33 percent have free-stalls. Eighty-six percent of the conventional barns have pipelines or parlors. Seventy-two percent of the 18 milking parlors are herringbone systems.

Thirty-seven of the farmers in the summary keep Agrifax records. Seven are in the Cornell Electronic Record Program (CAMIS). The remainder use account books and other systems.

DESCRIPTION OF FARM RESOURCES Columbia & Dutchess County Dairy Farms, 1980

Item	My Farm	30 Owners less than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Average number of cows		65	126	101
Labor Force				
Operator, months		14	16	20
Family paid, months		2	3	1
Family unpaid, months		3	3	3
Hired, months		<u>15</u>	_26	_22
Total Months		34	48	46
Worker equiv. (years)		2.8	4.0	3.8
Average age of operator		47	46	38
Land				
Total acres owned		261	326	11
Total tillable acres		235	360	272
Tillable acres rented		114	187	272
Capital Investment 1/1/81				
Livestock	\$	\$ 85,794	\$164,204	\$123,141
Feed & supplies		26,660	43,457	30,913
Machinery & equipment		65,722	99,883	76,987
Land & buildings		231,391	285,499	8,528*
TOTAL FARM INVENTORY	\$	\$409,567	\$593,043	\$239,569

^{*} Lease hold improvements.

Receipts

Receipts from the business should be large enough to cover the operating and overhead costs and leave a return for the operator's labor and management. Here we look at sources and amounts of receipts for this group of farms.

FARM RECEIPTS
Columbia & Dutchess County Dairy Farms, 1980

Item	My Farm	30 Owners less than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Milk sales	\$	\$129,999	\$248,085	\$200,971
Crop sales		2,201	5,044	3,044
Dairy cattle sold		14,427	26,178	17,559
Calves & other livestock		2,024	5,836	2,606
Gas tax refunds	2000 May 1940	24	0	107
Government payments		170	33	487
Work off farm	parties	0	0	0
Custom machine work		906	285	0
Other		<u>1,771</u>	2,138	1,629
Total Cash Receipts	\$	\$151,522	\$287,599	\$226,403
Increase in livestock		0	0	1,885
Increase in feed & supplie	s	2,088	8,727	2,265
Livestock appreciation		3,379	8,710	3,430
Machinery appreciation	<u> </u>	3,497	2,901	5,516
Real estate appreciation		5,997	12,950	694
TOTAL FARM RECEIPTS	\$	\$166,483	\$320,887	\$240,193
TOTAL FARM RECEIPTS EXCLUDING APPRECIATION	\$	\$153,610	\$296,326	\$230,553

Total cash receipts increased six percent on the owned farms and 37 percent on the rented farms compared with 1979.

INCOME ANALYSIS
Columbia & Dutchess County Dairy Farms, 1980

Item	My Farm	30 Owners less than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Average price/cwt. milk	\$	\$ 13.56	\$ 13.46	\$ 13.39
Milk & cattle sales/cow	\$	\$ 2,253	\$ 2,223	\$ 1,990
Total cash rec./worker	\$	\$53,541	\$71,900	\$59,113

The average price of milk increased \$.66 per hundredweight sold for all 52 farms compared with the 1979 average.

Expenses

Classifying expenses into the categories on this page will help you identify those that need tighter control.

FARM EXPENSES
Columbia & Dutchess County Dairy Farms, 1980

Item	My Farm	30 Owners less than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Hired Labor	\$	\$ 11,329	\$ 29,554	\$ 22,966
Feed Dairy concentrate Other feed		31,219 431	67 , 074	60,388 311
Machinery Machine hire Machinery repairs Auto expense (farm share) Gas & oil		1,335 7,414 22 7,124	2,428 14,770 43 10,897	1,257 8,075 221 8,469
Livestock Replacement livestock Breeding fees Veterinary & medicine Milk mktg. (promo. & dues) Other livestock expense		646 2,098 2,446 7,212 5,583	823 2,484 4,259 13,590 10,408	2,583 2,875 3,670 11,827 11,368
Crops Fertilizer & lime Seeds & plants Spray, other crop expense		9,135 2,356 1,759	12,192 3,648 3,077	9,695 2,859 3,471
Real Estate Land, building, fence rep. Taxes Insurance Rent		2,434 4,433 4,127 3,195	2,987 5,729 5,724 6,418	2,566 2,997 4,392 13,265
Other Telephone (farm share) Electricity (farm share) Interest paid Miscellaneous Total Cash Expenses	\$	478 2,940 11,220 3,303 \$122,239	629 4,822 22,530 6,475 \$230,561	569 4,143 5,736 3,524 \$187,227
Noncash Items Dec. in lvstk. &/or feed Expansion livestock Machinery depreciation Building depreciation Unpaid labor @ \$500/mo. Int. on equity cap. @ 9%	\$	\$ 33 1,097 9,034 4,009 1,500 27,686	\$ 1,941 542 18,004 7,870 1,500 36,883	\$ 0 0 12,873 789 1,500 20,387
TOTAL FARM EXPENSES TOTAL FARM EXPENSES EXCLUDING INTEREST ON EQUITY CAPITAL	\$\$	\$165,598 \$137,912	\$297,301 \$260,418	\$222,776 \$202,389

Financial Summary of the Year's Business

The returns from a business measure the success of management.

MEASURES OF FARM BUSINESS PROFITABILITY Columbia & Dutchess County Dairy Farms, 1980

Item	My Farm	30 Owners less than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Cash Farm Receipts	\$	\$151,522	\$287,599	\$226,403
Cash Farm Expenses		- 122,239	- 230,561	- 187,227
NET CASH FARM INCOME	\$	\$ 29,283	\$ 57,038	\$ 39,176
Total Farm Receipts Excluding Appreciation	\$	\$153,610	\$296,326	\$230,553
Total Farm Expenses	-	- 165,598	- 297,301	- 222,776
LABOR & MANAGEMENT INCOME	\$	\$-11,988	\$ - 975	\$ 7,777
Number of operators	<u></u>	÷ <u>1.18</u>	÷ <u>1.32</u>	÷1.70
LABOR & MGMT. INC./OPERATOR	\$	\$ - 10,159	\$ - 739	\$ 4,575
Total Farm Receipts	\$	\$166,483	\$320,887	\$240,193
Total Farm Expenses Excluding Interest on Equity Capital		- 137,912	- 260,418	- 202,389
LABOR, MGMT. & OWNSH. INC./FARM	\$	\$ 28,571	\$ 60,469	\$ 37,804
LABOR, MGMT. & OWNSH. INC./OP.	\$	\$ 24,213	\$ 45,810	\$ 22,238
LABOR, MGMT. & OWNSH. INC./FARM	\$	\$ 28,571	\$ 60,469	\$ 37,804
Value of Operator's Lab. & Mgmt.	,	- 16,447	- 20,025	- 23,820
Return on Equity Capital	\$	\$ 12,124	\$ 40,444	\$ 13,984
Rate of Return on Equity Capital with Appreciation		3.9%	9.9%	6.2%
Rate of Return on Equity Capital Excluding Appreciation	%	- 0.2%	3.9%	1.9%

<u>Labor and Management Income</u> is the return to the farm operator(s) for his or her efforts in operating the business after deducting all farm expenses including a nine percent charge for the use of equity capital. It is computed without the affect of livestock appreciation caused by higher cattle prices.

<u>Labor, Management and Ownership Income</u> measures total returns to the farm business by combining the growth in net worth due to appreciation, return on equity capital, and labor and management income.

Return on Equity Capital measures the rate of earnings the operator received for using owned capital in the business after deducting an estimated value for labor and management.

Farm Family Financial Situation

The financial situation is an important part of the farm business summary. It has a direct affect on current cash outflow and future capital investment decisions. A farmer may have a good labor income, but a high debt payment schedule may seriously restrict his management flexibility.

FARM FAMILY FINANCIAL SITUATION
Columbia & Dutchess County Dairy Farms, January 1, 1981

Item	My Farm	30 Owners less than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Assets				
Livestock Feed & supplies Machinery & equipment Land & buildings Co-op investment Accounts receivable Cash & checking accounts	\$	\$ 85,794 26,660 65,722 231,391 11,605 11,486 2,848	\$164,204 43,457 99,883 285,499 20,838 21,965 5,593	\$123,141 30,913 76,987 8,528 11,860 17,711 4,854
Total Farm Assets	\$	\$435 , 506	\$641,439	\$273,994
Savings accounts Cash value life insurance Stocks & bonds Nonfarm real estate Auto (personal share) All other	\$	\$ 6,707 6,297 11,818 517 550 1,804	\$ 9,490 2,740 7,127 0 233 3,440	\$ 7,080 1,530 0 8,200 100 1,045
Total Nonfarm Assets	\$	\$ 27,693	\$ 23,030	\$ 17,955
TOTAL ASSETS	\$	\$463,199	\$664,469	\$291,949
Liabilities				
Real estate mortgage Liens on cattle & equipment Installment contracts Notes & other farm debt	\$	\$ 87,130 30,951 1,714 8,086	\$136,563 76,144 1,639 17,283	\$ 54 38,380 0 9,039
Total Farm Liabilities	\$	\$127,881	\$231,629	\$ 47,473
Nonfarm Liabilities		245	0	3,340
TOTAL LIABILITIES	\$	\$128,126	\$231,629	\$ 50,813
Farm Net Worth (equity cap.)	\$	\$307,625	\$409,810	\$226,521
Family Net Worth	\$	\$335,073	\$432,840	\$241,136
Percent Equity	%	72%	65%	83

Farm Net Worth or equity capital is total farm assets less total farm liabilities. It is the amount of farm capital owned by the farm operator. Family net worth is total assets less total liabilities. Percent equity is family net worth divided by total assets.

Payment Ability is the most important consideration in determining if and how proposed investments should be financed. The farm business must produce enough cash income to meet operating expenses, to cover family or personal living expenses and to make debt payments. Cash purchases of capital items that normally take place during the year must also be included.

Payment ability is calculated in the following table. Interest paid and off-farm income are added to net cash farm income because planned or budgeted debt payments will include interest as well as principle. Estimate family living expenses for your farm to calculate cash available for debt payments and capital purchases made with cash. Compare cash available for debt payments and capital purchases with debt payments planned for 1981. Scheduled interest and principle payments for 1981 are the scheduled debt payments as of January 1981.

The average measures of debt commitment should not be used as goals or optimums. They only show the debt picture on these groups of farms.

FINANCIAL MEASURES & DEBT COMMITMENT
Columbia & Dutchess County Dairy Farms, January 1, 1981

Item	My Farm	30 Owners 1ess than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Payment Ability				
Net cash farm income	\$	\$29,283	\$57,038	\$39,176
Add: Interest paid		11,220	22,530	5,736
Off farm income		1,653	2,105	8,277
CASH AVAILABLE FOR DEBT SERVICE & LIVING	\$	\$42,156	\$81,673	\$53,189
Less: Family living expenses*		16,326	22,987	23,846
CASH AVAILABLE FOR DEBT PAYMEN & CAPITAL PURCHASES	T \$	\$25,830	\$58,686	\$29,343
Scheduled interest & principle payments:				
Real estate mortgage	\$	\$ 9,989	\$14,705	\$ 54
Cattle & equipment liens		8,891	20,840	11,461
Installment contracts		1,107	587	0
Notes & other		2,217	5,217	<u>352</u>
TOTAL	\$	\$22,204	\$41,349	\$11,867
Measures of Debt Commitment				
Farm debt per cow	\$	\$ 1,881	\$ 1,899	\$ 527
Scheduled payments per cow	\$	\$ 327	\$ 339	\$ 132
Payments as % of milk sales	%	17%	17%	6%

^{*} Estimated at \$8,700 per family, (assuming one family for each farm operator), plus four percent of cash farm receipts.

SELECTED BUSINESS FACTORS BY HERD SIZE Columbia & Dutchess County Dairy Farms, 1980

Item	My Farm	30 Owners less than 100 cows	12 Owners 100 cows and more	10 Farm Renters
Size of Business		65	126	101
Number of cows				82
Number of heifers		54	102	
Pounds of milk sold	free Arright T	958,500	1,843,400	1,501,200
Worker equivalent	****	2.8	4.0	3.8
Total tillable acres	<u> </u>	235	360	272
Rates of Production Pounds milk sold per cow		14,700	14,600	14,800
Tons hay crop D.M. per acre		2.6	2.6	2.3
Tons corn silage per acre	1	12.3	15.2	13.9
Labor Efficiency Cows per worker		23	32	26
Pounds milk sold/worker		338,600	460,800	391,900
Feed Costs Feed purchased per cow	\$	\$480	\$532	\$598
Crop expense per cow	\$	\$204	\$150	\$159
Purchased conc./cwt. milk	\$	\$3.26	\$3.64	\$4.02
% pur. feed of milk receipts	%	24%	27%	30%
Tons hay equivalent per cow		8.2	8.0	7.6
Tillable acres per cow		2.6	2.9	2.7
Lime & fert./tillable acre	\$	\$39	\$34	\$36
Heifers as percent of cows	%	83%	81%	81%
Labor & Machinery Costs				
Machinery cost per cow	\$	\$470	\$435	\$370
Machinery cost/cwt. milk	\$	\$3.19	\$2.97	\$2.49
Labor costs per cow	\$	\$359	\$342	\$391
Labor costs per cwt. milk	\$	\$2.43	\$2.34	\$2.63
Other Costs Veterinary & medicine/cow	\$	\$37 . 63	\$33.80	\$36.34
Real estate expense per cow	\$	\$218	\$166	\$230
Capital Efficiency	· · · · · · · · · · · · · · · · · · ·			
Farm capital per cow	\$	\$6,023	\$4,861	\$2,372
Land & buildings per cow	\$	\$3,403	\$2,340	\$84
Machinery investment per cow	\$	\$967	\$819	\$762
Capital turnover (years)		2.5	1.8	1.0

CASH FLOW PLANNING & ANALYSIS 52 Columbia & Dutchess County Dairy Farms, 1980 Average: 86 cows, 14,700 lbs. milk per cow, \$13.49 per cwt.

	Average	My Fa	arm	cows	
Item	Per Cow	Per Cow	Total	Goal	
CASH RECEIPTS					
Milk sales	\$1,987	\$	\$	\$	
Crop sales	35	·			
Dairy cattle	206		-		
Calves & other livestock	35				
Other	31				
Total Cash Receipts	\$2,294	\$	\$	\$	
CASH EXPENSES					
Hired labor	\$ 207	\$	\$	\$	
Dairy concentrate	524	· 	` 		
Hay & other	4				
Machine hire	18				
Machine repair & auto expense	108				
Gas & oil	96				
Breeding fees	27				
Vet & medicine	36	 		_	
Milk marketing (ADA, dues, hauling)	111				
Other livestock expense	91				
Fertilizer & lime	116	 		·	
Seeds & plants	32				
Spray & other	28				
Land, bldg., fence repair (owner)	32				
Taxes (owner)	59				
Insurance (owner)	56				
Rent (owner)	50			-	
Telephone (farm share)	6 42			_	
Electricity (farm share) Miscellaneous	47		<u></u>		
Total Cash Expenses $\frac{1}{}$	\$1,690	\$	Ś	- s	
	·	Υ	Υ	_ Y	
otal Cash Receipts	\$2,294	\$	\$	<u> </u>	
Cotal Cash Expenses 1/	-1,690				
Net Cash Flow	\$ 604	\$	\$	\$	
Cash Family Living Expense 2/	- 193	_	_	_	
Amount Left for Debt Service &					
Capital Investment	\$ 411	\$	\$	\$	
Scheduled Debt Service	- 290				
Available for Capital Investment	\$ 121	\$	\$	\$	
Planned Cattle Purchase					
Planned Equipment Purchase					
Borrowed Funds Needed3/		\$	\$	\$	

^{1/} Interest paid excluded from cash expenses since part of Scheduled Debt Service. Purchased livestock are also excluded.

^{2/} Estimated at \$8,700 per family and four percent of cash farm receipts.

^{3/} May be replaced by equity capital.

PROGRESS OF THE FARM BUSINESS

Comparing your business with that of other farmers is one part of a business checkup. It is equally important to compare your current year's business with that of earlier years to show the progress you are making, and to plan ahead, by setting business targets or goals.

Item	1978	197	9	1980	1981	Goa]
Size of Business						
Number of cows		-				
Number of heifers						
Pounds of milk sold						
Worker equivalent						
Total tillable acres						
Rates of Production Lbs. milk sold per cow						
Tons hay D.M. per acre						
Tons corn silage/acre						
Labor Efficiency Cows per worker						
Lbs. milk sold per worker						
Cost Control Purch. feed as % of milk sold	\$	ć	ė		\$	
		- \$ <u></u>	\$_		· 	
Feed & crop exp./cwt. milk	\$. \$ <u></u>	\$_		\$	
Labor & mach. cost/cow	\$. \$	\$_		\$	
Capital Efficiency						
Farm capital per cow	\$	_ \$ <u></u>	\$_		\$	
Capital turnover	\$	_ \$ <u></u>	\$_		\$	
rice						
Price per cwt. milk	\$	<u> </u>	\$_		\$	
inancial Summary						
Net cash farm income	\$	\$	\$_		\$	
Labor & mgt. inc./oper.	\$	\$	\$_		\$	
Farm net worth	\$	\$	\$_		\$	
Rate of return on equity		%	%	%		
Percent equity		%	%	%		
Farm debt per cow	- 1 				· · · · · ·	