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COLUMBIA & DUTCHESS COUNTIES 1979

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DAIRY FARM BUSINESS SUMMARY COLUMBIA & DUTCHESS COUNTIES

The 1979 Dairy Farm Business Summary for Columbia and Dutchess Counties is based on data from 55 farms located in the region. The Cooperative Extension Associations, the Hudson Valley Farm Credit Association, and Cornell University, cooperate in collecting, summarizing and publishing this farm management information annually.

The primary purpose of this farm management project is to help the participating farmer acquire a solid base of management information for decision making. This report is in workbook form and the farms are divided into three groups to make comparison easy and more meaningful.

The following table illustrates some of the changes that have taken place in the Hudson Valley dairy industry over the last five years.

FIVE YEARS OF COLUMBIA	A-DUTCHESS FARM	1 MANAGEMENT	DA'L'A
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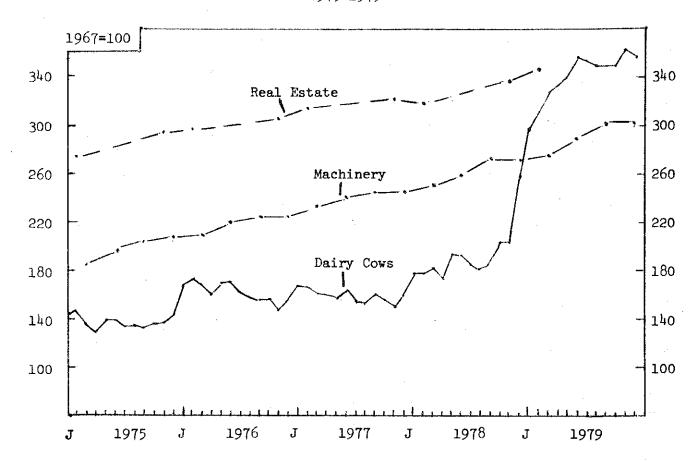
			Year		
Item	1975	1976	1977	1978	1979
Number of farms	94	92	47	55	55
Cows per farm	89	87	83	88	84
Labor force	3.2	3.2	3.1	3.0	3.1
Investment per farm	\$291,900	\$304,500	\$328 , 633	\$353 , 000	\$375,588
Investment per cow	\$3 , 279	\$3,500	\$3 , 959	\$3,961	\$4,471
Labor & mgmt. income	•	•	-	•	
per operator	- \$318	\$5,923	\$3 , 415	\$26,200	\$17,836
Milk sold per cow, lbs.	13,071	13,293	14,053	13,847	14,244
Milk sold per man, lbs.	366,972	384,800	378,701	406,167	388,474
Average price per cwt.	•	ŕ	-	·	-
milk sold	\$9.07	\$10.16	\$10.35	\$11.43	\$12 . 83
Average operating exp.					
per cwt. milk sold	\$8.34	\$9.19	\$9.19	\$10.36	\$11.36

The average size of the dairy farm business included in this project has not increased since 1975 but investment per cow has increased 36 percent. Output per cow and per man has increased some but the 41 percent increase in milk price has had a bigger impact on farm profits.

The high 1978 and 1979 labor and management incomes were boosted by rising cow values which pushed year-end inventories up \$20,000 in 1978 and \$15,000 in 1979. The charge for using equity capital was increased from seven to nine percent in 1979, resulting in an increased cost of more than \$5,000 per farm.

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 and Kenneth Piester, Columbia County Cooperative Extension Agents, David Tetor, Dutchess County Cooperative Extension Agent, and by Norman Coe and the staff of the Hudson Valley Farm Credit Association.

Prices VALUE OF NEW YORK FARM REAL ESTATE, DAIRY COWS & MACHINERY 1975-1979



Price changes affect the inventory values on New York dairy farms. Real estate and machinery prices have risen steadily during the past five years. Dairy cow prices dropped during 1974, rose sharply in late 1975, fluctuated throughout 1976 and 1977, and then jumped 62 percent in 1978. Dairy cow prices continued upward in 1979 and were reported at \$1,105 for December, or 38 percent above the December 1978 price. From 1967 to 1979, machinery prices increased 202 percent, dairy cows 256 percent and real estate increased an estimated 255 percent.

Table 1. REPORTED VALUES OF DAIRY FARM INVENTORY ITEMS, 1975-1979

· · · · · · · · · · · · · · · · · · ·	N.Y. Dair	y Cows	Machinery	N.Y. Farm Real 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.) 302	(est.) 355
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%	+ 5% (est.)

1979 DAIRY FARM BUSINESS SUMMARY Average of 55 Columbia & Dutchess County Farms

CAPITAL INVESTMENT 1/1/79	1/1/80	RECEIPTS	
Feed & supplies 27,864 Machinery & equip. 56,818 Land & buildings 178,953 Total Investment \$341,488		Milk sales Crop sales Dairy cattle sold Calves & other livestock sales Refunds & payments Machine work & work off farm Miscellaneous	\$153,568 1,871 14,675 2,508 590 604 1,734
EXPENSES	ć 15 och	Total Cash Receipts	\$175,550
Hired Labor Feed Dairy concentrate	\$ 17,264	Increase in livestock Increase in feed & supplies	16,546
Hay & other	364	TOTAL FARM RECEIPTS	\$192,996
Machinery Machine hire Machinery repair & auto (f.s Gas & oil	1,244 s.) 7,833 5,773	FINANCIAL SUMMARY Cash farm receipts Cash farm expenses Net Cash Farm Income	\$175,550 135,887 \$ 39,663
Livestock Purchased livestock Breeding fees Veterinary & medicine Milk mktg. (promo. & dues)	3,858 2,050 2,403 7,787	Total farm receipts Total farm expenses Labor & Management Income Number of operators Labor & Mgmt. Inc./Operator	\$192,996 169,988 \$ 23,008* 1.3 \$ 17,836*
Other livestock expense Crops Fertilizer & lime Seeds & plants Spray & other	6,940 7,846 2,298 1,466	Labor & management income Real estate appreciation Interest on equity capital @9% Labor, Mgmt. & Ownership Inc. Labor, Mgmt. & Ownshp. Inc./Op.	\$ 23,008 2,730 23,149 \$ 48,887 \$ 37,897
Real Estate		Return on equity cap. with appr	13.2%
Repairs Taxes	2,001 3,531	BUSINESS FACTORS	
Insurance Rent	2,771 4,773	Number of cows Number of heifers	84 62 245
Other Cash Expense Telephone (farm share) Electricity (farm share) Interest paid Miscellaneous Total Cash Expenses	514 2,790 11,767 1,593 \$135,887	Total acres of crops Man equivalent Pounds of milk sold per cow Tons hay crop per acre Tons corn silage per acre Cows per man Milk sold per man - pounds	3.1 14,244 3.0 12.1 27 388,474
Noncash Items	-	Feed purchased per cow	\$465
Depreciation of machinery Depreciation of buildings Unpaid labor @ \$450/mo. Interest on equity cap. @9%		% purchased feed is of milk rec Hay equivalent per cow - tons Average price per cwt. of milk Machinery cost per cow Labor costs per cow	
TOTAL FARM EXPENSES	\$169,988	Farm capital per cow	\$4,471

^{*} Increases in cattle prices are included. If cattle values had been held constant, labor and management income would average approximately \$9,000 per farm and \$7,000 per operator.

1979 DAIRY FARM BUSINESS SUMMARY Average of 40 Owned Columbia & Dutchess County Farms

CAPITAL INVESTMENT 1/1/79	1/1/80	RECEIPTS	
Livestock \$ 82,798 Feed & supplies 29,878 Machinery & equip. 59,708 Land & buildings 231,736	\$100,012 31,682 69,638 242,279	Crop sales Dairy cattle sold l Calves & other livestock sales	5,336 1,925 6,255 2,784 761
Total Investment \$404,120	\$443,611	Refunds & payments Machine work & work off farm Miscellaneous	484 1,706
EXPENSES	6 37 070		9,251
Hired Labor Feed	\$ 17,878		7,214
Dairy concentrate Hay & other	38,944 225		1,804 8,269
Machinery Machine hire Machinery repair & auto (f. Gas & oil	1,115 s.) 8,068 5,939	Cash farm expenses 13	9,251 8,928 0,323
Livestock Purchased livestock Breeding fees Veterinary & medicine Milk mktg. (promo. & dues)	3,861 2,109 2,398 7,765	Total farm expenses 17 Labor & Management Income \$ 2 Number of operators Labor & Mgmt. Inc./Operator \$ 1	8,269 17,693 0,576* 1.3 5,828*
Other livestock expense Crops Fertilizer & lime Seeds & plants Spray & other	6,878 8,665 2,547 1,462	Real estate appreciation Interest on equity capital @9% 2	0,576 3,572 6,764 0,912 89,163
Real Estate	0 750	Return on equity cap. with appr.	12%
Repairs Taxes	2,173 4,386	BUSINESS FACTORS	2.0
Insurance Rent	2,907 2,790	Number of cows Number of heifers Total acres of crops	86 66 265
Other Cash Expense Telephone (farm share) Electricity (farm share) Interest paid Miscellaneous Total Cash Expenses	578 2,886 13,591 1,763 \$138,928	Man equivalent Pounds of milk sold per cow l Tons hay crop per acre Tons corn silage per acre Cows per man	3.3 14,099 3.1 12.1 26 73,077
Noncash Items Depreciation of machinery Depreciation of buildings Unpaid labor @ \$450/mo. Interest on equity cap. @99 TOTAL FARM EXPENSES	\$ 7,847 2,804 1,350 \$ 26,764 \$177,693	Machinery cost per cow Labor costs per cow	\$453 25% 8.3 \$12.81 \$335 \$340 \$5,099

^{*} Increases in cattle prices are included. If cattle values had been held constant, labor and management income would average approximately \$7,000 per farm and \$5,400 per operator.

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

Forty-two of the 55 farms are individual proprietorships, ten are partnerships and three are corporations. Forty-nine of the herds are on DHIC, and one is on owner sampler. Sixty-two percent of the farms have stanchion barns, 36 percent have free-stalls. Eighty-eight percent of the conventional barns have pipelines. Fifty percent of the 22 milking parlors are herringbone systems.

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

DESCRIPTION OF FARM RESOURCES
55 Columbia & Dutchess Farms, 1979

Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters
Average number of cows		62	130	80
Labor Force				
Operator, months		15	17	15
Family paid, months		0	0	1
Family unpaid, months		3	3.	2
Hired, months		14	31	17
Total Months		32	51	35
Man equivalent (years)	2.7	4.3	2.9
Average age of operator		46	46	40
Land				
Total acres owned		260	338	39
Total crop acres		200	385	192
Crop acres rented		87	203	192
Capital Investment 1/1/80				·
Livestock	\$	\$ 74,056	\$148,218	\$ 79,433
Feed & supplies		24,799	44,465	20,982
Machinery & equipment		57,145	92,839	55,162
Land & buildings		219,479	284,621	<u>38,616</u> *
TOTAL FARM INVENTORY	\$	\$375 , 4 7 9	\$570,143	\$194,193

^{*} 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
55 Columbia & Dutchess Farms, 1979

Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters
Milk sales	\$	\$113,128	\$233,723	\$148,851
Crop sales		1,976	1,832	1,728
Dairy cattle sold		12,167	23,848	10,460
Calves & other livestock		2,412	3,475	1,773
Gas tax refunds		123	90	3,
Government payments		523	886	130
Work off farm		300	0	0
Custom machine work		202	451	924
Other other		1,126	2,783	1,808
Total Cash Receipts	\$	\$131,957	\$267,088	\$165,677
Increase in livestock		12,124*	26,667*	14,768*
Increase in feed & sup.		1,862	1,697	0
TOTAL FARM RECEIPTS	\$	\$145,943	\$295,452	\$180,445

^{*} Primarily due to higher cattle prices at end of year although the large owned farms showed an average increase of five cows per farm. If cattle prices had remained unchanged during 1979, total farm receipts for each of the three groups of farms would have averaged \$135,000, \$274,000 and \$166,000 respectively.

INCOME ANALYSIS
55 Columbia & Dutchess Farms, 1979

Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters
Average price/cwt. milk s	old \$	\$ 12.75	\$ 12.87	\$ 12.90
Milk sales per cow	\$	\$ 1,825	\$ 1,798	\$ 1,861
Total cash receipts per m	an \$	\$ 49,422	\$ 62,844	\$ 56,739

The average price of milk increased \$1.40 per hundredweight sold for all 55 farms compared with the 1978 average.

A higher proportion of colored breeds were on farms with 100 cows and more, resulting in a higher average milk price but lower total sales per cow. Average milk sales per cow increased 15 to 16 percent for each group of farms in 1979.

Expenses

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

FARM EXPENSES
Columbia & Dutchess Farms, 1979

Contained & Editorics Latines, 1979					
Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters	
Hired Labor	\$	\$ 11,204	\$ 30,274	\$ 15,625	
Feed Dairy concentrate Other feed	No. 201	24,992 347	64 , 855 0	39,225 733	
Machinery Machine hire Machinery repairs Auto expense (farm share) Gas & oil		913 5,748 92 4,617	1,491 12,165 39 8,394	1,587 7,101 109 5,330	
Livestock Purchased livestock Breeding fees Veterinary & medicine Milk marketing (promotion & coop dues) Other livestock expense		2,481 2,084 1,778 6,061 5,613	6,423 2,157 3,549 10,931 9,229	3,851 1,891 2,418 7,845 7,106	
Crops Fertilizer & lime Seeds & plants Spray, other crop expense		6,838 1,730 901	12,058 4,064 2,503	5,663 1,634 1,477	
Real Estate Land, building, fence rep. Taxes Insurance Rent		1,732 3,869 2,436 1,816	2,991 5,348 3,781 4,598	1,543 1,250 2,411 10,064	
Other Telephone (farm share) Electricity (farm share) Interest paid Miscellaneous Total Cash Expenses	\$	595 2,401 9,277 1,150 \$ 98,675	545 3,788 21,603 2,903 \$213,689	345 2,534 6,902 1,139 \$127,783	
Noncash Items Machinery depreciation Building depreciation Unpaid family labor Interest on equity cap. @9 Dec. in lystk. %/or feed	\$	\$ 5,773 2,290 1,350 24,304*	\$ 11,697 3,757 1,350 31,334*	\$ 6,319 486 900 13,508* 1,511	
TOTAL FARM EXPENSES	\$	\$132 , 392	\$261,827	\$150,507	

^{*} Adjusted interest charges when effect of cattle price rise is omitted from increase in livestock inventory are \$23,053, \$29,400 and \$12,208 for the respective groups of farms.

Financial Summary of Year's Business

The returns from a business measure the success of management.

MEASURES OF FARM BUSINESS PROFITABILITY Columbia & Dutchess Dairy Farms, 1979

Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters
Cash farm receipts	\$	\$131,957	\$267,088	\$165,677
Cash farm expenses	_	<u>- 98,675</u>	-213 <u>,6</u> 89	<u>-127,783</u>
NET CASH FARM INCOME	\$	\$ 33,282	\$ 53,399	\$ 37,894
Total farm receipts	\$	\$145,943	\$295,452	\$180,445
Total farm expenses	_	-132,392	-261,827	<u>-150,507</u>
LABOR & MANAGEMENT INCOME	\$	\$ 13,551	\$ 33,625	\$ 29,938
Number of operators		÷ 1.23	÷ 1.43	÷ 1.26
LABOR & MGMT. INC./OPER.	\$	\$ 11,017	\$ 23,547	\$ 23,648
Total farm receipts (adjusted)	\$	\$135,000	\$274,000	\$166,000
Total farm expenses (adjusted)		-131,400	-259,900	<u>-149,200</u>
LABOR & MGMT. INC. (adjusted	1)\$	\$ 3,600	\$ 14,100	\$ 16,800
IABOR & MANAGEMENT INCOME PER OPERATOR (adjusted)	\$	\$ 2,927	\$ 9,860	\$ 13,333
LABOR, MGMT. & OWNSHP. INC./FM	1.\$	\$ 39 , 876	\$ 71,410	\$ 43,932
LABOR, MGMT. & OWNSHP. INC./OF	\$	\$ 32,420	\$ 50,007	\$ 34,701
Return on eq. cap. with apprec	. %	9.2%	16.0%	20.0%
Return on eq. cap. without app	r%	8.4%	14.1%	19.7%

Net Cash Farm Income reflects cash available for family living, principle payments and to make capital purchases and other investments from cash.

Labor and Management Income 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 with and without the affect of the large increase in livestock inventory caused by higher cattle prices. (The adjusted computation excludes the price increase and includes the interest adjustment on page 7.)

Labor, Management and Ownership Income 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 Farms, January 1, 1980

Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters
Assets			The state of the s	
Livestock Feed & supplies Machinery & equipment Land & buildings Co-op investment Accounts receivable Cash & checking accounts	\$	\$ 74,057 24,799 57,146 219,480 8,706 9,643 3,785	\$148,219 44,466 92,839 284,621 17,352 19,841 2,150	\$ 79,433 20,982 55,162 38,617 8,334 13,512 3,628
Total Farm Assets	\$	\$397,616	\$609,488	\$219,668
Savings accounts Cash value life insurance Stocks & bonds Non-farm real estate Auto (personal share) All other	\$	\$ 10,963 3,113 6,669 384 0 1,793	\$ 4,745 3,942 2,587 142 0 2,682	\$ 4,093 713 433 1,333 0 1,346
Total Non-Farm Assets	\$	\$ 22,922	\$ 14,098	\$ 7,918
TOTAL ASSETS	\$	\$420 , 538	\$623,586	\$227,586
Liabilities				
Real estate mortgage Liens on cattle & equipment Installment contracts Notes & other farm debt	\$	\$ 73,462 44,514 1,727 7,869	\$166,930 73,021 3,345 18,039	\$ 23,099 39,836 1,268 5,371
Total Farm Liabilities	\$	\$127,572	\$261,335	\$ 69,574
Non-Farm Liabilities		214	0	733
TOTAL LIABILITIES	\$	\$127,786	\$261,335	\$ 70,307
Farm Net Worth (equity capital	1)\$	\$270,044	\$348,153	\$150,094
Family Net Worth	\$	\$292,752	\$362,251	\$157 , 279
Percent Equity	%	70%	58%	69%

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 is 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 in cash. Compare cash available for debt payments and capital purchases with debt payments planned for 1980. Scheduled interest and principle payments for 1980 are the scheduled debt payments as of January, 1980.

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 Farms, January 1, 1980

	•			
Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters
Payment Ability				
Net cash farm income	\$	\$33,282	\$53 , 399	\$37,894
Add: Interest paid		9,277	21,603	6,902
CASH AVAILABLE FOR DEBT SERVICE & LIVING	\$	\$42,559	\$75 , 002	\$44 , 796
Less: Family living exp.		12,700*	<u>16,600*</u>	14,000%
CASH AVAILABLE FOR DEBT PAY- MENT & CAPITAL PURCHASES	\$	\$29,859	\$58 , 402	\$30 , 796
Scheduled interest & principle payments:				
Real estate mortgage	\$	\$ 9,175	\$19,024	\$ 2,976
Cattle & equipment liens		7,987	20,183	14,006
Installment contracts		553	4,484	333
Notes & other		3,614	13,272	2,852
TOTAL	\$	\$21,329	\$56,963	\$20,167
Measures of Debt Commitment				
Farm debt per cow	\$	\$ 2,025	\$ 1,965	\$ 904
Scheduled payments per cow	\$	\$ 339	\$ 428	\$ 262
Payments as % of milk sales	%	19%	24%	14%

^{*} Estimated at \$6,000 per family, (assuming one family for each farm operator), plus four percent of cash farm receipts up to \$200,000.

SELECTED BUSINESS FACTORS BY HERD SIZE Columbia & Dutchess County Dairy Farms, 1979

Item	My Farm	26 Owners less than 100 cows	14 Owners 100 cows and more	15 Farm Renters
Size of Business		· · · · · · · · · · · · · · · · · · ·		
Number of cows	·	62	130	80
Number of heifers		47	101	52
Pounds of milk sold		887,400	1,816,300	1,154,000
Man equivalent		2.7	4.3	2.9
Total acres of crops		200	385	192
Rates of Production Pounds milk sold per cow		14,313	13,972	14,425
Tons hay crop per acre		3.0	3.2	2.7
Tons corn silage per acre		12.2	11.8	12.0
Labor Efficiency Cows per man		23	31	27
Pounds milk sold per man		332,360	427,365	395,205
Feed Costs Feed purchased per cow	\$	\$403	\$499	\$490
Crop expense per cow	\$	\$153	\$143	\$110
Purchased conc. per cwt. milk	\$	\$2.82	\$3.57	\$3.40
% pur. feed of milk receipts	%	22%	28%	26%
Tons hay equivalent per cow		8.6	8.1	7.3
Crop acres per cow		. 3.2	3.0	2.4
Lime & fert. per crop acre	\$	\$ 34	\$31	\$29
Heifers as percent of cows	%	76%	78%	65%
Labor & Machinery Costs Machinery cost per cow	\$	\$355	\$318	\$314
Machinery cost per cwt. milk	\$	\$2.48	\$2.28	\$2.18
	\$	\$354	\$325	\$324
_	\$	\$2.47	\$2.33	\$2.24
Other Costs Veterinary & medicine/cow	\$	\$28.68	\$27.30	\$30.23
*	\$	\$158.92	\$128.60	\$190.85
Capital Efficiency	\$	\$5 , 960	\$4,319	\$2 , 555
rarin capraar par con	\$ \$	\$3,484	\$2,156	\$508
Land & bldgs./crop acre owned		\$1,942		0
Machinery investment per cow		\$907	\$703	\$726

CASH FLOW PLANNING & ANALYSIS 55 Columbia & Dutchess County Farms, 1979 Average: 84 cows, 14,244 lbs. milk per cow, \$12.83 per cwt.

	Average	My Farm		cows	
Item	per cow	per cow	total	goal	
CASH RECEIPTS	<u> </u>				
Milk sales	\$1,828	\$	\$	\$	
Crop sales	22				
Dairy cattle	175				
Calves & other livestock	30				
0ther	35				
Total Cash Receipts	\$2,090	\$	\$	\$	
CASH EXPENSES			•		
Hired labor	\$ 206	\$	\$	\$	
Dairy concentrate	465				
Hay & other	4.				
Machine hire	15				
Machine repair & auto expense	93				
Gas & oil *	69				
Breeding fees	24			4	
Vet & medicine	29				
Milk marketing (ADA, dues, hauling)	93				
Other livestock expense	129				
Fertilizer & lime	93				
Seeds & plants	27				
Spray & other	17	······································			
Land, bldg., fence repair (owner)	25				
Taxes (owner)	51				
Insurance (owner)	34				
Rent (owner)	33				
Telephone (farm share)	6				
Electricity (farm share)	33				
Miscellaneous 1/	19				
Total Cash Expenses —	\$1,465	\$	\$	\$	
Total Cash Receipts	\$2,090	\$	\$	\$	
Potal Cash Expenses1/	-1,465		-		
Net Cash Flow	\$ 625	\$	\$	\$	
Cash Family Living Expense 2/	<u> </u>	-	· -		
Willorur Terr Tor, Depr Service	ά 1.1.Δ		6	ė	
& Capital Investment	\$ 449	۶	\$	<u> </u>	
Scheduled Debt Service	- 354	<u> </u>	<u> </u>		
Available for Capital Investment	\$ 95	Ş <u></u>	Ş	<u> </u>	
Planned Cattle Purchase					
Planned Equipment Purchase		, ·	A		
Borrowed Funds Needed3/		\$	Şi	_	

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

 $[\]underline{2}$ / Estimated at \$6,000 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	1977	1978	1979	1980 Goal
Size of Business				
Number of cows				
Number of heifers				
Pounds of milk sold				
Man equivalent				
Acres of crops				
Rates of Production				
Lbs. milk sold per cow				
Tons hay crops per acre				
Tons corn silage per acre				
Labor Efficiency				
Cows per man				
Lbs. milk sold per man				
Cost Control			v	
Feed bought per cow	\$	\$	\$	\$
Machinery cost per cow	\$	\$	\$	\$
Labor cost per cow	\$	\$	\$	\$
Capital Efficiency				
Farm capital per cow	\$	\$	\$	\$
Land & bldgs. per cow	\$	\$	\$	\$
Machinery investment	ı	Å	<u> </u>	.
per cow	\$	\$	\$	\$
Price	٨	ė.	Å	,
Price per cwt. milk	\$	\$	\$	۵
Financial Summary	4	À	٨	<mark>ት</mark>
Net cash farm income	\$	\$	\$	\$
Total farm income	\$	۶ <u></u>	ې د	۶ <u> </u>
Total farm expense	\$	\$	٥	\$
Labor & mgt. inc./oper.	\$	\$	\$	δ
Net worth	\$	\$	\$	Ş