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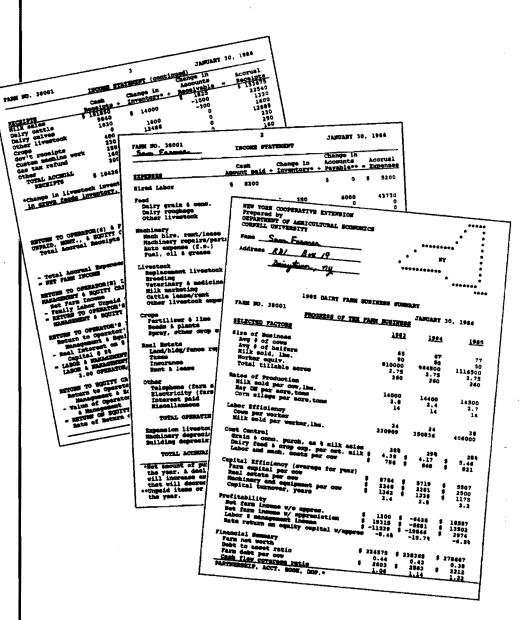
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DAIRY

SOUTHEASTERN NEW YORK 1985



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1985 DAIRY FARM BUSINESS SUMMARY Southeastern New York*

Introduction

Dairy farmers throughout the State have been participating in New York Cooperative Extension's farm business summary and analysis program since the early 1950's. Each participating farmer receives a complete summary and analysis of his or her farm business in addition to this publication. The information in this report is compiled by averaging data submitted from the region described at the bottom of this page.

Program Objective

The primary objective of the dairy farm business summary, DFBS, is to help farmers improve their management skills through appropriate use of record data and application of modern farm business management decision-making techniques. In short, DFBS identifies the records farmers need and demonstrates how to use them in making business and financial management decisions.

Program Improvements

The 1985 DFBS report features improved accrual accounting procedures, a new measure of farm profitability, a more indepth balance sheet, an annual cash flow statement, and several major improvements in the business analysis format and the analysis measures used. These and other changes are identified in the body of this report.

The revised format provides one full page for the analysis of the farm cropping program and another for complete analysis of the dairy program. Corn and hay crop related expenses are evaluated separately for cooperating farmers. The cost of producing milk per cow and per hundredweight of milk sold has been compiled. An annual cash flow worksheet has been added to the farmer's individual report. The popular <u>Progress of The Farm Business</u> report has been moved to page one of the farmer's report and added to this publication.

Micro DFBS, which allows Cooperative Extension agents and specialists to calculate and print individual farm business reports in their offices, is now being used by more than 50 percent of our dairy farm management field staff. This innovative program provides faster processing of farm record data and increased use of DFBS in farm management programs.

^{*}This summary was prepared by Stuart F. Smith with invaluable assistance from Linda Putnam, Cindy Farrell, and Beverly Carcelli, Department of Agricultural Economics, New York State College of Agriculture and Life Sciences, Cornell University. The individual business records were collected by Cooperative Extension agents Steve Hadcock, Jennifer Mullen, Alan White, Jerry Skoda, and Steve Billings. This year's Southeastern New York region includes the following counties (with participating farms in parentheses): Columbia (22), Orange (8), Sullivan (12), Ulster (4).

SUMMARY OF THE FARM BUSINESS

Business Characteristics

Finding the right management strategies is an important part of farming. Various combinations of farm resources, enterprises, business arrangements, and management techniques are used by the dairy farmers in this region. The following table shows important farm business characteristics and the number of farmers reporting these characteristics.

BUSINESS CHARACTERISTICS
46 Southeastern New York Dairy Farms, 1985

Type of Farm	Number	Type of Business	Number
Dairy	44	Single proprietorship	33
Part-time dairy	1	Partnership	10
Dairy cash-crop	1	Corporation	3
Part-time cash-crop dairy	0	Other	0
Type of Ownership	Number	Type of Barn	Number
Owner	38	Stanchion	36
Renter	8	Freestall	10
		Other	0
Milking System	Number	Business Record System	Number
Bucket & carry	1	CAMIS	6
Dumping station	6	Account Book	20
Pipeline	26	Agrifax (mail-in only)	19
Herringbone parlor	10	On-Farm Computer	0
Other parlor	3	Other	1
Dairy Records Service	Number		Number
DHIC	33	Other	0
O.S.	2	None	11
Milk Diversion Program Pa	articipants	Number: 6	

The averages used in this report were compiled using data from all the participating dairy farms in this region unless noted otherwise. There may be regular dairy farms, part-time farms, dairy cash-crop farms, farm renters, partnerships, and corporations included in the average. These specific classifications are used to separate farms in the State Business Summary.

A part-time farm has less than 12 months of labor from all operators.

A dairy cash-crop farm has income from crop sales that exceed 10 percent of milk sales.

A farm renter owns no farm real estate at the end of the year or owns no tillable land.

Milk Diversion Program Participants are the farmers that were in the 1984-85 federal milk diversion program. These farms have also been included in the regional summary averages.

Income Statement

The revised accrual income statement begins with an accounting of all farm business expenses.

CASH AND ACCRUAL FARM EXPENSES
46 Southeastern New York Dairy Farms, 1985

	Cash	Change in	Change in	Accrual
Expense Item	Paid +	Inventory	+ Accounts Payable	<u>Expenses</u>
<u> Hired Labor</u>	\$ 15,499		\$-12	\$ 15,487
Feed	• •		•	• •
Dairy grain & conc.	37,324	\$-715	-47	36,562
Dairy roughage	1,410	. 0	9	1,419
Other livestock	137	-46	0	91
Machinery				
Mach. hire, rent/lease	1,142		25	1,167
Machinery repairs/parts	8,237	- 2	26	8,261
Auto expense (f.s.)	203		0	203
Fuel, oil & grease	6,777	-29	1	6,749
<u>Livestock</u>	•			•
Replacement livestock	1,706		0	1,706
Breeding	2,464	1	0	2,465
Vet & medicine	2,875	4	- 9	2,870
Milk marketing	10,815		0	10,815
Cattle lease/rent	44		0	44
Other livestock expense	6,435	-86	82	6,431
Crops				
Fertilizer & lime	8,649	355	-130	8,874
Seeds & plants	2,414	-126	0	2,288
Spray, other crop exp.	2,781	-161	0	2,620
Real Estate				
Land/bldg./fence repair	2,267		- 56	2,211
Taxes	3,786		177	3,963
Insurance	2,767		25	2,792
Rent & lease	5,202		20	5,222
<u>Other</u>				
Telephone (f.s.)	630		0	630
Electricity (f.s.)	4,077		0	4,077
Interest paid	11,330		206	11,536
Miscellaneous	2,690	<u>- 95</u>	0	2,595
Total Operating	\$141,661	\$-900	\$ 317	\$141,078
Expansion livestock	\$ 808		\$ 0	\$ 808
Machinery depreciation				12,980
Building depreciation				5,553
TOTAL ACCRUAL EXPENSES	•			\$160,419

<u>Cash paid</u> is the actual amount of money paid out during the year and does not necessarily represent the cost of goods and services actually used.

Accrual expenses are the costs of inputs actually used in this year's production. The value of feed and supplies used out of inventory are included as are the costs of inputs purchased but not paid for (net increases in accounts payable). Items paid for and not used (net additions to inventory) are excluded from accrual expenses as are payments made on inputs used in a prior year (net decreases in accounts payable).

Worksheets are provided to enable any dairy farmer to compute his or her accrual farm income and compare it with the averages on the opposite page.

CASH AND ACCRUAL FARM EXPENSES WORKSHEET

	Cash		Change in		Change in	Accrual
Expense Item	Paid	+	Inventory	+	Accounts Payable	- Expenses
Hired Labor	\$		\$		\$	\$
Feed					-	-
Dairy grain & conc.						
Dairy roughage						
Other livestock		_	_			
Machinery						<u></u>
Mach. hire, rent/lease						
Machinery repairs/parts						-
Auto expense (f.s.)						
Fuel, oil & grease	***************************************					
Livestock						
Replacement livestock						
Breeding						
Vet & medicine	·					
Milk marketing						
Cattle lease/rent			· · · · · · · · · · · · · · · · · · ·			
Other livestock expense						
Crops					-	
Fertilizer & lime						
Seeds & plants						
Spray, other crop exp.						
Real Estate			,			
Land/bldg./fence repair						
Taxes						
Insurance			***************************************			***************************************
Rent & lease						
Other		_	· · · · · · · · · · · · · · · · · · ·			
Telephone (f.s.)						
Electricity (f.s.)		_				**************************************
Interest paid	***************************************					
Miscellaneous						**************************************
Total Operating	\$		\$		\$	Ś
Expansion livestock	-				T	T
Machinery depreciation						·
Building depreciation						
TOTAL ACCRUAL EXPENSES	\$		\$		\$	\$

<u>Cash paid</u> is the actual amount of money paid out during the year and does not necessarily represent the cost of goods and services actually used.

Accrual expenses are the costs of inputs actually used in this year's production. Purchased feed and supplies used out of inventory must be included. Beginning of year less end of year purchased feed and supply inventory equals the change in inventory to include in accrual expenses. Feed, supplies, and services used but not paid for must be included by adding the net increase in operating accounts payable. Increases in operating accounts payable are determined by subtracting the balance at the beginning of the year from the end of year balance.

CASH AND ACCRUAL FARM RECEIPTS
46 Southeastern New York Dairy Farms, 1985

Receipt Item	Cash Receipts	+_	Change in Inventory	+	Change in Accounts Receivable	+	Accrual Receipts
Milk sales	\$156,590				\$ 290		\$156,880
Dairy cattle	9,758		\$2,152		-15		11,895
Dairy calves	1,621		• •		- 3		1,618
Other livestock	122		-30		0		92
Crops	2,136		-313		42		1,865
Government receipts	2,170				-238		1,932
Custom machine work	578				15		593
Gas tax refund	138				12		150
Other	1,538				<u>636</u>		2,174
Total Accrual Receipts	\$174,651		\$1,809		\$ 739		\$177,199

<u>Cash receipts</u> includes the gross value of milk checks received during the year plus all other payments received for the sale of farm products, services, and government programs.

Accrual receipts represent the value of all farm commodities produced and services actually provided by the farmer during the year. Increases in live-stock inventory caused by herd growth and/or quality, are included as accrual receipts. Decreases in inventory caused by herd reduction are deducted. Changes in inventories of crops grown are accounted for in accrual receipts. Changes in accounts receivable include the January milk check for this December's marketings compared with the previous January's check, and other delayed payments.

CASH AND ACCRUAL FARM RECEIPT WORKSHEET

Receipt Item	Cash Receipts	Change in + Inventory	Change in Accounts Receivable	Accrual + Receipts
Milk sales Dairy cattle Dairy calves Other livestock Crops Government receipts Custom machine work Gas tax refund Other	\$	\$	\$	\$
Total Accrual Receipts	\$	\$	\$	\$

To calculate the change in inventory to be included in the above worksheet, subtract the beginning of year values from the end of year values excluding appreciation. The changes in inventories caused by declining prices must be excluded from the calculation of accrual receipts. Changes in accounts receivable are also determined by subtracting beginning of year balances from end of year balances.

Profitability Analysis

Farm owners/operators contribute labor, management, and capital to their businesses and the best combination of these resources produces optimum profits. Farm profits can be measured as the return to all family resources or as the return to one or more individual resources such as labor and management.

Net farm income is the total combined return to the farm operator(s) and other unpaid family members for their labor, management, and equity capital. It is the farm family's net annual return from working, managing, financing, and owning the farm business. This is not a measure of cash available from the year's business operation. Cash flow is evaluated later in this report.

Net farm income is computed with and without appreciation. Appreciation represents the change in livestock, machinery, and real estate inventory values caused by changes in prices during the year. Appreciation is a major factor contributing to changes in farm net worth and must be included in the profitability analysis.

NET FARM INCOME
46 Southeastern New York Dairy Farms, 1985

Item	Average	My Farm
Total accrual receipts	\$177,199	\$
Appreciation: Livestock	-8,751	
Machinery	1,205	
Real Estate	9,366	
Total Including Appreciation	\$179,019	\$
Total accrual expenses	-160,419	-
Net Farm Income (with appreciation)	\$ 18,600	\$
Net Farm Income (without appreciation)	\$ 16,780	\$

Return to operator(s') labor, management, and equity capital measures the total business profits for the farm operators. It is calculated by deducting a charge for unpaid family labor from net farm income. Operator(s') labor is not included in unpaid family labor. Return to operator(s') labor, management, and equity capital has been compiled with and without appreciation. Appreciation is considered an important part of the return to ownership of farm assets.

RETURN TO OPERATOR(S') LABOR, MANAGEMENT, AND EQUITY 46 Southeastern New York Dairy Farms, 1985

	Aver	age	My Farm		
Item	With Apprec,	Without Apprec,	With Apprec.	Without Apprec.	
Net farm income	\$18,600	\$16,780	\$	\$	
Family labor unpaid @ \$550 per month	<u>-1,650</u>	<u>-1,650</u>	-	•	
Return to operator(s') labor, management, & eq	uity \$16,950	\$15,130	\$	\$	

Labor and management income is the share of net farm income without appreciation returned to the operator(s') labor and management. Appreciation is not included as part of the return to labor and management. Labor and management income is determined by deducting the cost of using equity capital at a real interest rate of five percent, from the return to operator(s') labor, management, and equity capital excluding appreciation. The interest charge reflects the long-term average rate of return that a farmer might expect to earn in comparable risk investments in a low inflation economy.

<u>Labor and management income per operator</u> measures the return to each operator's labor and management.

LABOR AND MANAGEMENT INCOME
46 Southeastern New York Dairy Farms, 1985

Item	Average	My Farm
Return to operator(s') labor, management, & equity without appreciation	\$15,130	\$
Real interest @ 5% on \$326,030 equity capital	-16,302	•
Labor & Management Income	\$-1,172	\$
Labor & Management Income per 1.33 Operators	\$ -879	\$

Return on equity capital measures the net return remaining for the farmer's equity or owned capital after a charge has been made for the owner-operator's labor and management. The earnings or amount of net farm income allocated to labor and management is the opportunity cost or value of operator(s') labor and management estimated by the cooperators. Return on equity capital is calculated with and without appreciation. The rate of return on equity capital is determined by dividing the amount returned by the end of year farm net worth or equity capital.

RETURN ON EQUITY CAPITAL
46 Southeastern New York Dairy Farms, 1985

Item	Average	My Farm
Return to operator(s') labor, management, & equity capital with appreciation	\$16,950	\$
Value of operator(s') labor & management	-21,909	***************************************
Return on equity capital with appreciation	\$-4,959	\$
Rate of return on equity capital with appreciation	-1.5%	
Return on equity capital without appreciation	\$15,130	\$
Rate of return without appreciation	-2.1%	 %

Farm and Family Financial Status

Evaluating the financial status of the farm business and the farm family is an important part of business analysis. The first step is to recognize all the assets and liabilities that make up the balance sheet. The second step is to analyze your filled out balance sheet by evaluating changes made during the year.

1985 FARM BUSINESS & NONFARM BALANCE SHEET 46 Southeastern New York Dairy Farms, 1985

& savings \$ 3,821 \$ 4,052 Operating debt 4,566 5,08 Accounts rec. 14,017 14,277 Short-term 592 88 Feed & supplies 36,130 36,734 Total \$8,250 \$9,14 Intermediate Intermediate Intermediate \$9,14 Dairy cows: \$53,968 \$55,063 Total \$8,250 \$9,14 Intermediate Intermediate \$36,293 \$31,73 owned \$ 63,696 \$ 60,257 \$60,257				-		
Current Farm cash, checking & Accounts payable & 3,093 & \$3,173 & \$4,052 & Operating debt & 4,566 & 5,08 & Accounts rec. 14,017 & 14,277 & Short-term & 592 & 88 & Feed & supplies & 36,130 & 36,734 &						
Farm cash, checking & savings \$ 3,821 \$ 4,052 Operating debt \$ 3,093 \$ 3,17 Accounts rec. 14,017 14,277 Short-term 592 88 Feed & supplies 36,130 36,734 Total \$8,250 \$9,14 Intermediate Dairy cows: \$36,293 \$31,73 owned \$ 63,696 \$60,257 leased 0 0 Heifers 27,494 24,397 Bulls/other lvstk. 657 565 Mach./eq. owned 84,768 83,474 Financial lease 1,284 1,17 Coop stock & cert. 9,066 9,702 (cattle/mach.) 1,284 1,17 Total \$186,965 \$179,573 Total \$37,577 \$32,91 Long-Term Long-Term Long-Term Long-Term Long-Term Land/buildings: \$210,718 \$217,739 (structures) 2,301 2,01 Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 Total Fa	Farm Assets	Jan. 1	Dec. 31	& Net Worth	Jan. l	<u>Dec. 31</u>
& savings \$ 3,821 \$ 4,052 Operating debt 4,566 5,08 Accounts rec. 14,017 14,277 Short-term 592 88 Feed & supplies 36,130 36,734 Total \$8,250 \$9,14 Intermediate Intermediate Intermediate \$9,14 Dairy cows: \$53,968 \$55,063 Total \$8,250 \$9,14 Intermediate Intermediate \$36,293 \$31,73 owned \$ 63,696 \$ 60,257 \$60,257	<u>Current</u>			<u>Current</u>		
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Total	& savings \$	3,821	\$ 4,052	Operating debt	4,566	5,089
Total \$53,968 \$55,063 Total \$8,250 \$9,14 Intermediate Dairy cows:	Accounts rec.	14,017	14,277	Short-term	<u>592</u>	<u>881</u>
Intermediate	Feed & supplies	36,130	<u>36.734</u>			
Dairy cows:	Total \$5	53,968	\$55,063	Total	\$8,250	\$9,145
owned \$ 63,696 \$ 60,257 leased 0 0 Heifers 27,494 24,397 Bulls/other lvstk. 657 565 Mach./eq. owned 84,768 83,474 Mach./eq. leased 1,284 1,178 Financial lease 1,284 1,17 Total \$186,965 \$179,573 Total \$37,577 \$32,91 Long-Term Long-Term Long-Term Long-Term Long-Term \$81,946 \$84,28 Land/buildings: \$210,718 \$217,739 Financial lease \$84,247 \$86,30 Total \$213,019 \$219,756 (structures) 2,301 2,01 Total \$24,47 \$86,30 \$84,247 \$86,30 Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03 Nonfarm Liabilities* Nonfarm Liabilities* Nonfarm Liabilities* Nonfarm Liabilities* \$40,767 \$43,13	<u>Intermediate</u>			<u>Intermediate</u>		
Leased					\$36,293	\$31,735
Heifers 27,494 24,397 Bulls/other lvstk. 657 565 Mach./eq. owned 84,768 83,474 Mach./eq. leased 1,284 1,178 Financial lease Coop stock & cert. 9,066 9,702 (cattle/mach.) 1,284 1,17 Total \$186,965 \$179,573 Total \$37,577 \$32,91 Long-Term Land/buildings: \$81,946 \$84,28 owned \$210,718 \$217,739 leased 2,301 2,017 Financial lease Total \$213,019 \$219,756 (structures) 2,301 2,01 Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03 Nonfarm Liabilities* Nonfarm Assets* Jan. 1 Dec. 31 & Net Worth Jan. 1 Dec. 3 Personal cash, chkg.	owned \$ 6	63,696	\$ 60,257			
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Land/buildings: owned \$210,718 \$217,739 leased 2,301 2,017 Financial lease Total \$213,019 \$219,756 (structures) 2,301 2,01 Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03 Nonfarm Liabilities* Nonfarm Assets* Jan. 1 Dec. 31 & Net Worth Jan. 1 Dec. 3 Personal cash, chkg.	·	86,965	\$179,573	Total	\$37,577	\$32,913
owned \$210,718 \$217,739 leased 2,301 2,017 Financial lease Total \$213,019 \$219,756 (structures) 2,301 2,01 Total \$84,247 \$86,30 Total Farm Liab \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03 Nonfarm Liabilities* Nonfarm Liab \$2,944 \$2,79 & savings \$8,381 \$6,590 Nonfarm Liab \$2,944 \$2,79 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16				Long-Term		
leased 2.301 2.017 Financial lease Total \$213,019 \$219,756 (structures) 2.301 2.01 Total \$84,247 \$86,30 Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03 Nonfarm Liabilities* Nonfarm Liabilities* Personal cash, chkg. Nonfarm Liab. \$2,944 \$2,79 & savings \$ 8,381 \$ 6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16					\$81,946	\$84,287
Total \$213,019 \$219,756 (structures) 2.301 2.01 Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03 Nonfarm Liabilities* Nonfarm Assets* Jan. 1 Dec. 31 & Net Worth Jan. 1 Dec. 3 Personal cash, chkg. Nonfarm Liab. \$2,944 \$2,79 & savings \$8,381 \$6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16	owned \$2					
Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03				Financial lease		
Total Farm Assets \$453,952 \$454,391 Total Farm Liab. \$130,075 \$128,36 FARM NET WORTH \$323,877 \$326,03 Nonfarm Liabilities* Nonfarm Assets* Jan, 1 Dec. 31 & Net Worth Jan, 1 Dec. 3 Personal cash, chkg. Nonfarm Liab. \$2,944 \$2,79 & savings \$8,381 \$6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan, 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16	Total \$2	13,019	\$219,756	•		2,017
FARM NET WORTH				Total		\$86,304
Nonfarm Liabilities* Nonfarm Assets* Jan. 1 Dec. 31 & Net Worth Jan. 1 Dec. 3 Personal cash, chkg. Nonfarm Liab. \$2,944 \$2,79 & savings \$ 8,381 \$ 6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16	Total Farm Assets \$4	53,952	\$454,391		• ,	\$128,361
Nonfarm Assets* Jan. 1 Dec. 31 & Net Worth Jan. 1 Dec. 3 Personal cash, chkg. Nonfarm Liab. \$2,944 \$2,79 & savings \$8,381 \$6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16				FARM NET WORTH	\$323,877	\$326,030
Personal cash, chkg. Nonfarm Liab. \$2,944 \$2,79 & savings \$ 8,381 \$ 6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16				Nonfarm Liabilitie	es*	
& savings \$ 8,381 \$ 6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16	Nonfarm Assets*	Jan. 1	Dec. 31	& Net Worth	Jan. 1	Dec. 31
& savings \$ 8,381 \$ 6,590 NONFARM NET WORTH \$40,767 \$43,13 Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16	Personal cash, chkg.			Nonfarm Liab.	\$2.944	\$2,799
Cash value life ins. 3,473 3,925 FARM & NONFARM Jan. 1 Dec. 3 Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16		8,381	\$ 6,590		• •	\$43,132
Nonfarm real estate 15,408 17,216 Total Assets \$497,663 \$500,32 Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16						Dec. 31
Auto (personal sh.) 2,493 2,217 Total Liabilities 133,019 131,16						\$500,322
				•		131,160
Stocks a bonds /,4/6 8,89/	Stocks & bonds	7,476	8,897			
Household furn. 4,316 4,170				İ		
All other 2,164 2,915 TOTAL FARM & NON-			·	TOTAL FARM & NON-		
				•	\$364,644	\$369,162

*Average of 37 farms completing non-farm balance sheet.

Financial lease obligations are included in the balance sheet. The present values of all future payments are listed as liabilities since the farmer (lessee) is committed to make the payments. The present values are also listed as assets, representing the future value the item has to the business.

1985 FARM BUSINESS & NONFARM BALANCE SHEET

Farm Assets	Jan. 1	Dec. 31	Farm Liabilities & Net Worth	Jan. 1	Dec, 31
Current			<u>Current</u>		
Farm cash, checking	•		Accounts payable		_
& savings			Operating debt		
Accounts rec.			Short-term:		
Feed & supplies					•
Total			Total		
Intermediate			<u>Intermediate</u>		
Dairy cows:					
owned					
leased					
Heifers					
Bulls/other lvstk.					
Mach./eq. owned				***************************************	-
Mach./eq. leased		***************************************	Financial lease		
Coop stock & cert.			(cattle/mach.)		
Total			Total		
10041			10042		-
Long-Term			Long-Term		
Land/buildings:	*				
owned				***************************************	
leased		***************************************			
					
Total			Financial lease		
23322			(structures)		
			Total	***************************************	
Total Farm Assets			Total Farm Liab.		-
TOTAL TALM MODULE			FARM NET WORTH		
			.		
	_		Nonfarm Liabilitie	_	
Nonfarm Assets	Jan, 1	Dec. 31	& Net Worth	<u> Jan. 1</u>	Dec. 31
			Nonfarm Liab.:		
Personal cash, chkg	ζ.				
& savings					
Cash value					
life ins.					
Nonfarm real est.					
Auto (pers. share)		***************************************	Total Nonfarm		
Stocks & bonds			Liabilities		
Household furn.		***************************************		***************************************	
All other	***************************************	***************************************	Nonfarm		
Total Nonfarm			Net Worth		
TOTAL FARM & NONFAR	RM		Jan. 1	De	ec. 31
Total Farm & Nonfar	cm Assets				
Less Total Farm & N		iahilittae			
	200 C C C C C C C C C C C C C C C C C C	LELVILLE LES			
Farm & Nonfarm Net			***************************************	_	

Balance sheet analysis continues by examining financial and debt ratios and factors measuring levels of debt. Percent equity is calculated by dividing net worth by assets. Equity increases as the value of assets increase more than liabilities. The debt to asset ratio is compiled by dividing liabilities by assets. Low debt to asset ratios reflect strength in solvency and the potential capacity to borrow. The debt analysis ratios show how well the debt is structured and managed. Debt levels per unit of production include some old standards that are still useful if used with measures of cash flow and repayment ability.

BALANCE SHEET ANALYSIS
46 Southeastern New York Dairy Farms, 1985

Item	Ave	cage	My Farm		
Financial Ratios - Farm:					
Percent equity	•	72%			
Debt/asset ratio: total		0.3	28	•	
long-term		0.3	39		
intermediate	current	0.3	L 8		
Financial Ratios - Farm & Nonfa	arm:				
Percent equity	-	73%			
Total debt/asset ratio	0.3	0.27			
Farm Debt Analysis:					
Accounts payable as % of total	debt		2%	*	
Long-term liabilities as a % of	total de	bt (67%		
Current & inter. liab. as a % o					
		Per Tillable		Per Tillable	
Farm Debt Levels:	Per Cow	Acre Owned	Per Cow	Acre Owned	
Total farm debt	\$1,605	\$1,146	\$	\$	
Long-term debt	1,079	771		*	
Intermediate & current debt	526	376			

Balance sheet analysis concludes with a summary of the inventory balancing procedure for farm real estate and machinery and equipment. It is important to account for the value of these assets used on the balance sheet and the changes that occur from the beginning to end of year. Changes in the livestock inventory are included in the dairy analysis.

FARM INVENTORY BALANCE
46 Southeastern New York Dairy Farms, 1985

Item	Avg. of R	egional Farms	Му	Farm
	R.E.	Mach./Eq.	R.E.	Mach./Eq.
Value beg. of year	\$210,718	\$84,768	\$	\$
Purchases	\$4,167*	\$10,924	\$	\$
Lost capital	- 796		-	
Sales	-163	-443	-	-
Depreciation	<u>-5,553</u>	<u>-12,980</u>	-	-
Net investment	- -2,345	- -2,499	-+	-+
Appreciation	+9,366	$\pm 1,205$	+	+
Value end of year	\$217,739	\$83,474	\$	\$

^{* \$797} land and \$3,370 buildings and/or depreciable improvements.

Cash Flow Summary and Analysis

Completing an annual cash flow summary and analysis is important to determine how well the cash generated by the business, plus that brought in from outside, met the annual cash needs of the business and the farm family. Understanding last year's cash flow is the first step toward planning and managing cash flow for the current and future years.

The <u>Annual Cash Flow Statement</u> in the following table is structured to compare all the cash inflows with all the cash outflows for the year. Cash inflows include all the cash farm receipts, receipts from the sale of farm assets, additional funds borrowed, as well as the amount of cash available at the beginning of the year. Cash outflows include all the cash farm expenses, capital purchases, principal payments, money taken out of the business, and the cash balance left at year's end. When all the cash inflows and outflows are correct, the statement will balance. If the imbalance (error) amount is positive, recorded cash inflows exceed outflows by this amount. If it is negative, cash outflows are too high in relation to inflows.

ANNUAL CASH FLOW STATEMENT
46 Southeastern New York Dairy Farms, 1985

Item	Average	My Farm
Cash Inflows		
Beginning farm cash, checking & savings	\$ 3,821	\$
Cash farm receipts	174,651	
Sale of assets: Machinery	443	
Real estate	163	
Money borrowed (intermediate & long-term)	18,880	
Money borrowed (short-term)	695	
Increase in operating debt	523	
Nonfarm income	2,662	w
Money borrowed - nonfarm	281	
Total	\$202,117	\$
Cash Outflows		
Cash farm expenses	\$141,661	\$
Capital purchases: Expansion livestock	808	
Machinery	10,924	
Real estate	4,167	***************************************
Principal payments (intermediate & long-term)	21,097	W55355550000000000000000000000000000000
Principal payments (short-term)	405	
Decrease in operating debt	0	
Nonfarm debt payments	671	
Personal withdrawals & family exp.	19,520	
Ending farm cash, checking & savings	4,052	
Total	\$203,303	\$
Imbalance (error)	\$ -1,186	\$

Repayment Analysis

The second step of cash flow planning is to compare and evaluate debt payments planned and made last year, and estimate the payments required in the current year. It is helpful to compare and evaluate by using debt payments per unit of production and receipt/debt payment ratios.

FARM DEBT PAYMENTS PLANNED
Same 39 Southeastern New York Dairy Farms, 1984 and 1985

		Average		<u>M</u>	ly Farm	
	1985 Pay	ments	Planned	1985 Pay	ments	Planned
Debt Payments	Planned	Made	1986	Planned Planned	Made	<u> 19</u> 86
Long-term	\$12,026	\$14,774	\$12,562	\$	\$	\$
Intermediate-term	16,034	19,305	13,414			
Short-term	1,376	422	587			
Operating (net	•					
reduction)	0	0	1,949			
Accounts payable			•			
(net reduction)	1.302	<u>639</u>	1.717		•	
Total	\$30,738	\$35,139	\$30,230	\$	\$	\$
Per cow	\$386	\$442		\$	\$	
Per cwt. 1985 milk	2.63	3.00		\$	\$	****
Percent of total					,	
1985 receipts	17%	20%				
Percent of 1985						-
milk receipts	19%	22%				

The <u>Cash Flow Coverage Ratio</u> measures the ability of the farm business to meet its planned debt payment schedule. The ratio shows the percentage of planned payments that could have been made with last year's available cash flow. Farmers that did not participate in DFBS last year will find in their report a cash flow coverage ratio based on this year's planned debt payments.

CASH FLOW COVERAGE RATIO
Same 39 Southeastern New York Dairy Farms, 1984 and 1985

Item	Average	My Farm
Cash farm receipts	\$178,809	\$
- Cash farm expenses	145,413	ww
+ Interest paid	11,757	
- Net personal withdrawals from farm*	16,469	
(A) - Amount Available for Debt Service	\$28,684	\$
(B) - Debt Payments Planned for 1985	\$30,738	\$
(A + B) - Cash Flow Coverage Ratio for 1985	0.93	

^{*}Personal withdrawals and family expenditures less nonfarm income. If family withdrawals are excluded the cash flow coverage ratio will be incorrect.

ANALYSIS OF THE FARM BUSINESS

The farm business has been divided into three parts to allow a more indepth analysis of the cropping program, the dairy program, and the factors affecting capital and labor efficiency.

Cropping Program Analysis

The cropping program is an important part of the dairy farm business and sometimes it is overlooked and neglected. A complete evaluation of available land resources, how they are being used, how well crops are producing and what it costs to produce them, is required to evaluate alternative cropping and feed purchasing choices.

LAND RESOURCES AND CROP PRODUCTION
46 Southeastern New York Dairy Farms, 1985

Item	Average My Farm			Average			
<u>Land</u> Tillable Nontillable	<u>Owr</u> 11		ented L35 27	<u>Total</u> 247 53	<u>Owned</u>	Rented	<u>Total</u>
Other nontillable Total	_	52	27 L89	88 388			
Crop Yields Hay crop Corn silage	<u>Farms</u> 45 42	Acres 135 59	15.5	Acre 1 tn DM 7 tn 7 tn DM	Acres	s Prod	/Acre _ tn DM _ tn _ tn DM
Other forage Total forage Corn grain Oats	2 46 21 4	52 188 81 26	3.1 3.5 102.5	3 tn DM 8 tn DM			tn DM tn DM tn DM bu bu
Wheat Other crops Tillable pasture	1 2 8	20 28 59		0 bu	***************************************		_ bu _ bu
Idle Total Tillable Acres	<u>13</u> 46	<u>28</u> 247				-	

Average crop acres and yields compiled for the region are for the number of farms reporting each crop. Yields of forage crops have been converted to tons of dry matter using dry matter coefficients reported by the farmers. Grain production has been converted to bushels of dry grain equivalent based on dry matter information provided.

The following measures of crop management measure how efficiently the land resource is being used and how well total forage requirements are being met.

CROP MANAGEMENT FACTORS
46 Southeastern New York Dairy Farms, 1985

Item	Average	My Farm
Total tillable acres per cow	3.16	
Total forage acres per cow	2.41	
Harvested forage dry matter, tons per cow	8.61	

Cropping Program Analysis (continued)

A substantial number of cooperators have allocated crop expenses to hay crop, corn, and other crop production. This additional data has been compiled to show the traditional crop expenses per acre and per production unit for these crops. Corn production has been converted to corn silage equivalent using 5.88 bushels of dry shell equivalent to equal one ton of corn silage as fed.

CROP RELATED ACCRUAL EXPENSES
46 Southeastern New York Dairy Farms, 1985

	Total				Per	
	Per	Hay (Crop	Corn	Ton Corn	Other
	Till.	Per	Per	Per	Silage	Crops
Expense	Acre	Acre	Ton DM	Acre	Equiv.	Per Acre
Fertilizer & lime	\$35.91	\$20.94	\$6.53	\$ 69.26	\$3.33	\$18.46
Seeds & plants Spray & other crop	9.26	4.94	1.54	19.25	0.93	12.79
expense	10,60	2.99	0.93	25.52	1,23	
Total	\$55.77	\$28.87	\$9.00	\$114.03	\$5.49	\$31.25
My Farm:						
Fertilizer & lime	\$	\$	\$	\$	\$	\$
Seeds & plants Spray & other crop			-			
expense Total	\$	\$	\$	\$	\$	\$

Most machinery costs are associated with crop production and should be analyzed with the crop enterprise. Total machinery expenses include the major fixed costs (interest and depreciation), as well as the accrual operating costs. Although machinery costs have not been allocated to individual crops, they are shown per total tillable acre.

ACCRUAL MACHINERY EXPENSES
46 Southeastern New York Dairy Farms, 1985

	Aver	age	My Farm		
Machinery	Total	Per Til.	Total	Per Til	
Expense Item	Expenses	Acre	Expenses	<u>Acre</u>	
Fuel, oil & grease	\$ 6,750	\$ 27.32	\$	\$	
Machinery repairs & parts	8,260	33.43			
Machine hire, rent & lease	1,167	4.72			
Auto expense (farm share)	203	0.82			
Interest (5%)	4,206	17.02			
Depreciation	12,980	52,53			
Total	\$33,566	\$135.84	\$	\$	

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Crop Related Accrual Expenses 46 Southeastern New York Dairy Farms, 1985

Expense	Hay Crop Per Ton DM	Per Ton Corn Silage Equivalent
Fertilizer & lime	\$ 7.49	\$4.12
Seeds & plants	1.77	1.14
Spray & other crop expense	<u> 1.07</u>	<u>1.52</u>
Total	\$10.33	\$6.78

Dairy Program Analysis

Analysis of the dairy enterprise can tell a great deal about the strengths and weaknesses of the dairy farm business. Changes in dairy herd size and market values that occur during the year are identified in the table below. The change in inventory value without appreciation is attributed to physical changes in herd size and quality. This real increase in inventory has been included as an accrual farm receipt on page 5.

DAIRY HERD INVENTORY
46 Southeastern New York Dairy Farms, 1985

	Dair	y Cows	He	ifers
Item	Number	Value	Number	Value
Beginning of year (owned)	77	\$63,696	62	\$27,494
+ Change without appreciation		1,883		269
+ Appreciation		<u>-5.322</u>		-3,366
End of year (owned)	79	\$60,257	62	\$24,397
End including leased	80			
Average number	78		63	
My Farm:				
Beginning of year (owned)		\$		\$
+ Change without appreciation		W-14000000000000000000000000000000000000		
+ Appreciation				
End of year (owned)				
End including leased				
Average number		\$		\$

Total milk sold and milk sold per cow are extremely valuable measures of productivity on the dairy farm. These measures of milk output are based on pounds of milk marketed during the year.

MILK PRODUCTION
46 Southeastern New York Dairy Farms, 1985

<u>Item</u>	Average	My Farm
Total milk sold, lbs.	1,161,468	
Milk sold per cow, lbs.	14,849	-
Average milk plant test, percent butterfat	3.62	***************************************

The cost of producing milk has been compiled using the whole farm method, and is featured in the following table. Accrual receipts from milk sales can be compared with the accrual costs of producing milk per cow and per hundredweight of milk. Using the whole farm method, operating costs of producing milk are estimated by deducting nonmilk accrual receipts from total accrual operating expenses. Total costs of producing milk include the operating costs plus expansion livestock purchased, depreciation on machinery and buildings, the value of operator(s') labor and management, and the interest charge for using equity capital. Note that the cost of labor, management, and equity capital has been excluded in the intermediate compilation.

ACCRUAL RECEIPTS FROM DAIRY AND COST OF PRODUCING MILK 46 Southeastern New York Dairy Farms, 1985

		Average			My Farm	
Item	Total	Per Cow	Per Cwt.	Total	Per Cow	Per Cwt.
Accrual Receipts						
Milk	\$156,880	\$2,006	\$13.51	\$	\$	\$
Dairy cattle	11,895	152	1.02			*
Dairy calves	1,617	21	0.14			
Total	\$170,392	\$2,178	\$14.67	\$	\$	\$
Accrual Costs of Producing Milk Operating costs Total costs with-	\$120,742	\$1,544	\$10.40	\$	\$	\$
out op(s') labor mgmt. & capital Total Costs	\$141,751 \$179,962	\$1,812 \$2,301	\$12.20 \$15.49	\$	\$	\$

The accrual operating expenses most commonly associated with the dairy enterprise are listed in the table below. Evaluating these costs per unit of production enables the comparison of different size dairy farms.

DAIRY RELATED ACCRUAL EXPENSES
46 Southeastern New York Dairy Farms, 1985

		Averag	e	<u>M</u>	y Farm
Item	Per Cow		Per Cwt.	Per Cow	Per Cwt
Purchased dairy grain					
& concentrates	\$467		\$3.15	\$	\$
Purchased dairy roughage Total Purchased	_18		0.12		
Dairy Feed	\$485		\$3.27	\$	\$
Purchased grain & conc.	•				
as % of milk receipts		23%			*
Purchased feed & crop exp.	\$662		\$4.46	\$	\$
Purchased feed & crop exp.					
as % of milk receipts		33%			8
Breeding	\$32		\$0.21	\$	\$
Veterinary & medicine	37		0.25		
Milk marketing	138		0.93		
Cattle lease	1				
Other livestock expense	82		\$0.55		

Capital and Labor Efficiency Analysis

Capital efficiency factors measure how intensively the capital is being used in the farm business. Measures of labor efficiency are key indicators of management's success.

CAPITAL EFFICIENCY
46 Southeastern New York Dairy Farms, 1985

<u>Item</u>	Per Worker	Per Cow	Per Tillable Ac <u>re</u>	Per Tillable Acre Owned
Farm capital Real estate	\$160,296	\$5,807 2,766	\$1,838	\$4,055 1,932
Machinery & equipment Capital turnover, years	30,124	1,091 2.56	345	
My Farm: Farm capital Real estate Machinery & equipment Capital turnover, years	\$	\$	\$	\$

		NVENTORY AND ew York Dairy		85	
Labor Force	Montl	ns Age	Years o		Value of bor & Mgmt.
Operator number 1	12	48	12		16,479
Operator number 2	4	34	13		\$4,995
Family paid	4	•			7.,
Family unpaid	3				
Hired	11				
Total	34	+ 12 = 2.	83 Worker	Equivalen	t
			33 Operato		
My Farm: Total		+ 12 =	Worke	r Equival	ent
Operator's		+ 12 =		•	er Equiv.
Labor		Average		Му	Farm
Efficiency	Tota	l Per Wor	ker T	otal	Per Worker
Cows, average number		78 2	8		
Milk sold, pounds	1,161,4	68 409,93	0		
Tillable acres	2	47 8	7		
Work units	8	23 29	1		
	A:	verage		My Far	m
	P	er Per	~	Per	Per
Labor Costs	Total C	ow Til. Acr	<u>e Total</u>	Cow	Til. Acre
Value of operator(s)					
labor (\$800/month)	\$12,800 \$	164 \$ 51.80	\$	\$	\$
Family unpd. (\$550/mo.)	1,650	21 6.68			_
Hired		<u> 62.67</u>			
Total Labor	• •	383 \$121.15	\$	\$	_ \$
Machinery Cost		<u>429</u> <u>135.84</u>	\$. \$	<u> </u>
Total Labor & Mach.	\$63,503 \$	812 \$256.98	\$. \$. \$
					

ANNUAL CASH FLOW WORKSHEEET

	Regional		My Farm	_ Expected	
Item	Average	Tota	l Per Co	w Change	Projection
	(per cow))			
Average number of cows	78				
Accrual Oper, Receipts					
Milk	\$2,006	\$	\$		\$
Dairy cattle	152	•			*
Dairy calves	21				
Other livestock	1	***		-,	***
Crops	24				
Misc. receipts	62				
Total	\$2,265	\$	 \$		\$
Iotai	\$2,205	٧	Y		Ψ
Acarus 1 Oner Ernenges					
Accrual Oper, Expenses	\$ 198	ć	ć		è
Hired labor	•	\$	\$		\$
Dairy grain & conc.	467				
Dairy roughage	18				
Other lvstk. feed	1				
Mach. hire/rent/lease	15				
Mach. rpr./parts & auto	109				
Fuel, oil & grease	87				
Replacement lvstk.	22				
Breeding	32				
Vet & medicine	37				
Milk marketing	138	•			
Cattle lease	1				
Other lystk. exp.	82			•======================================	
Fertilizer & lime	114				• ••
Seeds & plants	29				
Spray/other crop exp.	34				
Land, bldg., fence repair	28	***************************************			
Taxes	51				
		·			
Insurance	36				
Real est. rent/lease	67				
Utilities	60				
Miscellaneous	33				
Total Less Int. Paid	\$1,661				\$
	_				
Net Accrual Operating Income	-	otal)	_		
(without interest paid)	\$4	7,658	\$		\$
- Change in lvstk./crop inv		1,809			
- Change in accts. rec.		739			
+ Change in feed/supply inv	•	-900			
+ Change in accts. payable		317			
NET CASH FLOW	\$44	4,511	\$		\$
- Personal withdrawals &	•	•	-		-
family expenditures	19	9.520			
Available for Debt Payments					
Investments & Savings		4,991	Ś		Ś
- Farm Debt Payments		3.072	т		۲
Available for Investment		J, U / L			
	6	0 001	ć		ć
& Savings		8,081	্		φ
- Capital Purchases: cattle					
machinery & improvements	13	5,899			
Additional Capital Needed			\$		\$

PROGRESS OF THE FARM BUSINESS

Comparing your business with average data from regional DFBS cooperators that participated in both of the last two years is one part of a business checkup. It is equally important for you to determine the progress your business has made over the past two or three years and to set targets or goals for the future.

PROGRESS OF THE FARM BUSINESS
Same 39 Southeastern New York Dairy Farms, 1984 and 1985

	Ave	rage	My Farm		
Selected Factors	1984	1985	1984	1985	Goa1
Size of Business					
<u>Size of Business</u> Average number of cows	78	80			
Average number of heifers	67	65			
	L,135,379				
Worker equivalent	2.86	2.83			
Total tillable acres	241	241			
Rates of Production					
Milk sold per cow, lbs.	14,638	14,702			
Hay DM per acre, tons	2.6	2.9			
Corn silage per acre, tons		15			
Labor Efficiency					
Cows per worker	27	28			
Milk sold per worker, lbs.		412,716			
Milk sold per worker, ibs.	370,032	412,710			
Cost Control					
Grain & conc. purchased					
as % of milk sales	26%	24%	&	%	
Dairy feed & crop exp.					
per cwt. milk	\$4.92	\$4.56	\$	\$	\$
Labor & mach. costs/cow	\$798	\$792	\$	\$ \$	\$
Capital Efficiency*					
Farm capital per cow	\$6,045	\$5,769	Ś	\$	Ś
Real estate per cow	\$2,882	\$2,745	<u>`</u>	<u> </u>	<u>`</u>
Mach. & equip. per cow	\$1,076		<u> </u>	<u>*</u>	ξ
	2.6	2.5	٧	٧	٧
Capital turnover, years	2.0	2.3			
<u>Profitability</u>					
Net farm inc. w/o apprec.	\$12,570		\$	\$	\$
Net farm inc. w/apprec.	21,193	\$17,932	\$	\$	\$
Labor & mgmt. income	\$-5,841	\$-1,429	\$	\$	\$
Rate of return on eq.		•			
capital w/apprec.	-0.6%	-1.4%	8	 &	
Financial Summary					
Farm net worth	\$333,601	\$325,768	Ś	Ś	\$
Debt to asset ratio	0.29	0.28	<u>*</u>	<u>`</u>	ξ
			¥	÷	ζ
Farm debt per cow	\$1,750	\$1,640	্	>	₹

^{*}Average for the year.

Farm Business Chart

The Farm Business Chart is a tool which can be used in analyzing a business by drawing a line through the figure in each column which represents the current level of management performance. The figure at the top of each column is the average of the top 10 percent of the 458 farms for that factor. The other figures in each column are the average for the second 10 percent, third 10 percent, etc. Each column of the chart is independent of the others. The farms which are in the top 10 percent for one factor would not necessarily be the same farms which make up the top 10 percent for any other factor.

FARM BUSINESS CHART FOR FARM MANAGEMENT COOPERATORS
458 New York Dairy Farms, 1984

Size of Business		Rates of Production			Labor Efficiency		
				Tons	Tons		
Worker	No.	Pounds	Pounds	Hay	Corn	Cows	Pounds
Equiv-	of	Milk	Milk Sold	Crop	Silage	Per	Milk Sold
alent	Cows	Sold_	Per Cow	DM/Acre	Per Acre	Worker	<u>Per Worker</u>
6.8	255	4,211,900	18,800	4.7	20	45	697,300
4.3	138	2,118,100	17,300	3.7	18	36	560,900
3.6	100	1,551,500	16,500	3.3	16	33	503,900
3.1	83	1,287,200	15,900	2.9	15	30	456,100
2.8	72	1,090,400	15,300	2.7	14	28	423,300
2.5	63	950,300	14,800	2.5	13	26	392,200
2.2	56	818,600	14,200	2.3	12	25	361,400
2.0	49	691,500	13,400	2.0	12	23	328,000
1.7	43	577,800	12,200	1.7	10	20	275,500
1.4	33	395,200	10,000	1.3	8	16	191,300

Feed % Feed is Bought of Milk		Machinery Costs	Labor & Machinery	Feed & Crop Expenses Per	
Per Cow	Receipts	Per Cow	Costs Per Cow	Cwt. Milk	
\$214	11%	\$205	\$ 511	\$2.75	
306	16	286	610	3.47	
369	19	337	662	3.87	
432	22	379	713	4.21	
474	25	408	771	4.45	
523	27	445	818	4.68	
574	28	481	873	4.97	
624	31	519	928	5.31	
685	33	580	1,004	5.72	
809	40	765	1,201	6.73	

The cost control factors are ranked from low to high, but the <u>lowest</u> cost is not necessarily the most profitable. In some cases, the "best" management position is somewhere near the middle or average. Many things affect the level of costs, and must be taken into account when analyzing the factors.

Financial Analysis Chart

The farm financial analysis chart is designed just like the <u>Farm Business Chart</u> and may be used to measure the financial health of the farm business. Most of the financial measures used in the chart are presented on pages 7, 10, 12, and 17 of this publication.

FINANCIAL ANALYSIS CHART 458 New York Dairy Farms, 1984

	Liquidi	ty (Repayment)		
Debt Payments Per Cow	Available for Debt Service Per Cow	Cash Flow Coverage Ratio	Debt Payments as Percent of Milk Sales	Debt Per Cow
\$ 36	\$909	7.67	2	\$ 104
176	640	2.16	9	638
277	537	1.41	14	1,142
362	469	1.10	19	1,625
438	411	.91	22	1,930
500	357	.75	26	2,377
571	279	.58	30	2,688
656	216	. 46	35	3,161
752	126	. 28	40	3,770
971	-95	56	52	5,072

	Sol ^s	vency		Efficiency & Profitability			
		Debt	t/Asset Ratio	Capital	Rate o	f Return on	
Leverage Ratio ¹	Percent Equity	Long Term	Intermediate & Current	Turnover (years)	Equity	Investment ²	
.02	99	. 00	.00	1.60	18%	13%	
.12	90	.02	.04	1.90	8	9	
. 24	81	.14	.11	2.06	5	7	
.37	73	. 30	. 16	2.20	3	6	
.51	67	.41	. 23	2.34	1	4	
. 70	60	.51	. 29	2.51	-1	3	
. 94	53	.62	. 37	2,66	-3	1	
1.22	46	.73	.45	2.95	-6	0	
1.72	38	. 85	,55	3.25	-11	- 3	
5.04	20	1.27	.80	4.54	-37	-8	

¹Dollars of debt per dollar of equity, computed by dividing total liabilities by total equity.

²Return on all farm capital (no deduction for interest paid) divided by total farm assets.

FARM BUSINESS SUMMARY BY HERD SIZE 458 New York Dairy Farms, 1984

The Property of the	Less than	40 to	55 to	70 to
Item Farms with:	40 Cows	54 Cows	69 Cows	84 Cows
<u>Capital Investment</u> (end of year)		4 50 001	A 01 100	4400 404
Livestock	\$ 39,803	\$ 58,991	\$ 81,180	\$100,136
Feed & supplies	11,239	17,653	26,056	34,432
Machinery & equipment	40,402	53,984	76,669	97,951
Land & buildings	120,967	142,160	<u>193,710</u>	<u>225,287</u>
TOTAL INVESTMENT	\$212,411	\$272,788	\$377,615	\$457,806
Receipts				
Milk sales	\$ 58,562	\$ 89,405	\$123,086	\$155,027
Dairy cattle sold	4,531	5,287	8,630	10,295
Other livestock sales	1,004	1,626	2,110	1,890
Crop sales	425	738	1,411	2,271
Miscellaneous receipts	3,791	3,991	5,448	5,640
Total Cash Receipts	\$ 68,313	\$101,047	\$140,685	\$175,123
Increase in livestock	-589	687	889	3,018
Increase in feed & supplies	501	10	2,085	435
Appreciation	1,609	<u>3,371</u>	6,243	<u>5.188</u>
TOTAL FARM RECEIPTS	\$ 69,834	\$105,115	\$149,902	\$183,764
TOTAL FARM REC. EXCL. APPREC.	\$ 68,225	\$101,744	\$143,659	\$178,576
Expenses				
Hired labor	\$ 2,503	\$ 5,326	\$ 8,539	\$ 13,584
Dairy grain & concentrate	16,993	23,274	30,095	36,692
Other feed	1,632	1,422	2,227	1,486
Machine hire	764	949	1,494	1,501
Machinery repair	3,072	4,013	5,929	7,527
Auto expense (farm share)	446	415	502	485
Gas & oil	2,072	3,157	4,494	6,131
Replacement animals	549	766	1,692	1,116
Breeding fees	875 1 072	1,238	2,062	2,548
Veterinary & medicine Milk marketing	1,072 4,893	1,617 7,345	2,641 9,676	3,098
Cattle lease	4,093	7,545	87	12,223 125
Other livestock expense	2,362	3,650	5,511	6,278
Fertilizer & lime	2,355	3,446	6,291	8,000
Seeds & plants	697	1,081	1,933	2,602
Spray & other crop expense	693	813	1,438	1,988
Land, bldg., fence repair	936	1,190	1,971	2,339
Taxes & insurance	3,292	4,120	5,922	7,203
Elec. & phone (farm share)	2,018	2,879	3,875	4,700
Interest paid	5,789	9,300	12,660	14,845
Misc. expenses (incl. rent)	1.441	<u>3,088</u>	4,125	5,609
Total Cash Expenses	\$ 54,454	\$ 79,144	\$113,164	\$140,080
Expansion livestock	60	238	702	1,062
Machinery depreciation	6,475	7,623	11,531	15,287
Building depreciation	2,001	3,166	5,605	5,742
Unpaid family labor	1,844	1,750	1,821	1,805
Interest on equity @ 5%	<u>7.433</u>	-9.162	12,678	<u> 15,771</u>
TOTAL FARM EXPENSES	\$ 72,267	\$101,083	\$145,501	\$179,747
Financial Summary				
NET CASH FARM INCOME	\$13,859	\$21,903	\$27,521	\$35,043
Labor & Management Income	\$-4,042	\$661	\$-1,842	\$-1,171
Number of Operators	1.07	1.18	1.32	1.34
LABOR & MGT. INCOME/OPER.	\$-3,778	\$560	\$-1,395	\$-874
LABOR, MGT. & OWNSHP. INC./OPER.	\$4,673	\$11,181	\$12,939	\$14,767

FARM BUSINESS SUMMARY BY HERD SIZE 458 New York Dairy Farms, 1984

					
	85 to	100 to	150 to	200 to	250 or
Item Farms with:	99 Cows	149 Cows	199 Cows	249 Cows	More Cows
Capital Investment (end of ye	ear)				
Livestock		\$166,776	\$223 343	\$ 317,993	\$ 470,722
Feed & supplies	41,199	60,934	81,393	113,736	189,321
Machinery & equipment	111,838		183,205	190,946	259,528
Land & buildings	242,050		415,970	581,058	879,980
TOTAL INVESTMENT	\$519,834	\$710,183	\$903,911	\$1,203,733	\$1,799,551
				. , .	
<u>Receipts</u>					
Milk sales	\$189,618	\$256,245		\$505,975	
Dairy cattle sold	12,783	16,560	24,102	37,420	48,329
Other livestock sales	2,448	3,855	5,448	8,275	
Crop sales	1,066	2,528	5,851	4,013	14,125
Miscellaneous receipts	4,509	9,564	18,177	19,824	11,764
Total Cash Receipts		\$288,752		\$575,507	
Increase in livestock	5,264		7,534	4,471	51,943
Increase in feed & supplies	281	7,022	6,856	4,218	14,687
Appreciation	2,746	10,566	11,658	<u>24,903</u>	12,861
TOTAL DADM DECETETS	6010 715	6200 211	6402 005	6600 000	61 001 277
TOTAL FARM RECEIPTS TOTAL FARM REC. EXCL. APPR	\$210,713	\$309,311	\$423,223	\$584,196	\$1,001,277 \$988,416
TOTAL PART REC. EXCL. ATTR	. 9213, 505	Q270,743	9411,507	\$364,170	\$700,410
Expenses					
Hired labor	\$ 16.688	\$ 27,852	\$ 46,503	\$ 77,411	\$117,236
Dairy grain & concentrate	49,523	61,297	78,388	115,416	201,481
Other feed	1,616	3,305	3,705	4,065	10,626
Machine hire	1,049	1,539	2,704	3,679	
Machinery repair	10,347	14,395	20,231	27,963	38,467
Auto expense (farm share)	608	307	534	696	
Gas & oil	7,220	10,651	13,739	19,720	24,792
Replacement animals	1,045	1,673	4,834	1,189	1,354
Breeding fees	2,715	3,811	5,028	8,061	12,013
Veterinary & medicine	3,776	5,339	6,729	12,980	20,847
Milk marketing	15,285	19,404	26,629	39,971	52,277
Cattle lease	150	104	0	0	732
Other livestock expense	8,091	9,643	15,299	17,745	32,245
Fertilizer & lime	9,363	13,360	21,445	26,273	32,100
Seeds & plants	3,122	4,101	7,169	9,889	12,436
Spray & other crop expense	2,126	4,726	7,328	6,131	15,530
Land, bldg., fence repair	2,697 7,346	3,860	3,746	6,384	9,185
Taxes & insurance Elec. & phone (farm share)	5,464	10,300 6,851	13,188 8,877	16,264 11,927	18,689
Interest paid	19,120	27,319	39,003	50,300	15,604 87,833
Misc. expenses (incl. rent)	5,312	<u>8,375</u>	10,210	20,000	23,600
Total Cash Expenses		\$238,212	\$335 289	\$476,064	\$732,052
Expansion livestock	1,040	729	3,596	7,173	20,888
Machinery depreciation	16,720	21,513	29,514	32,577	48,605
Building depreciation	7,497	10,826	11,453	22,077	31,860
Unpaid family labor	1,698	1,348	760	938	1,433
Interest on equity @ 5%	16,884	22,692	29,569	38,653	<u>59,533</u>
. , -					
TOTAL FARM EXPENSES	\$216,502	\$295,320	\$410,181	\$577,482	\$894,371
Financial Summary					
NET CASH FARM INCOME	\$37,761	\$50,540	\$61,888	\$99,443	\$189,734
Labor & Management Income	\$-533	\$3,425	\$1,386	\$6,714	\$94,045
Number of Operators	1.37	1.41	1.52	1.44	
LABOR & MGT. INCOME/OPER.	\$-389		\$912	\$4,663	\$52,247
LABOR, MGT. & OWNSHP. INC./OP		\$26,016	\$28,035	\$48,799	\$92,466
				• •	

SELECTED BUSINESS FACTORS BY HERD SIZE 458 New York Dairy Farms, 1984

	Less Than	40 to	55 to	70 to
Item Farms with:	40 Cows	54 Cows	69 Cows	84 Cows
Number of farms	45	100	94	64
Size of Business				
Number of cows	33	47	61	77
Number of heifers	27	38	52	67
Pounds of milk sold	443,000	664,700	919,900	1,159,400
Worker equivalent	1.75	2.08	2.50	2.92
Total work units	366	526	694	870
Total tillable acres	112	164	213	271
(Tillable acres rented)*	(26)	(50)	(71)	(80)
Rates of Production				
Milk sold per cow	13,424	14,143	15,080	15,057
Tons hay crop dry matter per acre	2.2	2.3	2.4	2.7
Tons corn silage per acre	12.9	13.0	12.8	12.9
Bushels of oats per acre	39.8	51.7	56.8	49.5
Labor Efficiency				
Cows per worker	19	23	24	26
Pounds milk sold per worker	253,143	319,567	367,960	397,055
Work units per worker	209	253	278	298
Feed Costs				
Feed purchased per cow	\$515	\$495	\$493	\$477
Crop expense per cow	\$113	\$114	\$158	\$164
Feed cost per cwt. milk	\$3.84	\$3.50	\$3.27	\$3.16
Feed & crop exp. per cwt. milk	\$5.05	\$4.52	\$4.56	\$4.38
<pre>% feed is of milk receipts</pre>	29%	26%	24%	24%
Tons forage dry matter per cow	7.6	7.7	7.8	8.0
Tillable acres per cow	3.4	3.5	3.5	3.5
Fertilizer & lime per crop acre	\$21	\$21	\$30	\$30
Machinery & Labor Costs				
Total machinery costs	\$14,820	\$18,829	\$27,749	\$35,813
Machinery cost per cow	\$449	\$401	\$455	\$465
Machinery cost per cwt. milk	\$3.35	\$2.83	\$3.02	\$3.09
Labor cost per cow	\$425	\$376	\$364	\$358
Labor cost per cwt. milk	\$3.17	\$2.66	\$2.42	\$2.38
Capital Efficiency				
Investment per worker	\$121,378	\$131,148	\$151,046	
Investment per cow	\$6,247	\$5,683	\$6,190	\$5,795
Investment per cwt. milk	\$48	\$41	\$41	\$39
Land & buildings per cow	\$3,558	\$2,962	\$3,176	
Machinery investment per cow	\$1,188	\$1,125	\$1,257	• •
Capital turnover	3.0	2.6	2.5	2.5
<u>Other</u>		***	.	• -
Price per cwt. milk sold	\$13.22	\$13.45	\$13.38	
Acres hay crops*	77 1 7	104 28	125 41	140
Acres corn silage*		70		53

^{*}Average of all farms.

SELECTED BUSINESS FACTORS BY HERD SIZE 458 New York Dairy Farms, 1984

Item Farms with	85 to ; 99 Cows	100 to 149 Cows	150 to 199 Cows	200 to 249 Cows	250 or More Cows
Number of farms	43	56	25	16	15
Size of Business	1.3	50	23	10	
Number of cows	91	124	170	229	359
Number of heifers	83	111	134	200	285
Pounds of milk sold	1,399,400				
Worker equivalent		3.92	•	6.17	8.58
Total work units	1,030	1,398			
Total tillable acres	290	383	549	622	790
(Tillable acres rented):					
Rates of Production					
Milk sold per cow	15,378	15,149	15,018	16,125	17,403
				3.3	4.0
Tons hay crop dry matte		2.9	3.0		
Tons corn silage per ac		13.8	14.4	15.4 57.1	
Bushels of oats per acr	e 53.0	45.8	50.1	57.1	80.0
Labor Efficiency	. -	••	•		
Cows per worker	30	32	36	37	42
Pounds milk sold/worker		479,209		598,476	
Work units per worker	334	357	408	412	443
Feed Costs					
Feed purchased per cow		\$494	\$461	\$504	\$561
Crop expense per cow	\$161		\$211	\$185	\$167
Feed cost per cwt. milk	\$3.54	\$3.26	\$3.07	\$3.13	\$3.22
Feed & crop $exp./cwt.$ m	ilk \$4.70	\$4.62	\$4.62		
% feed is of milk recei	pts 26%	24%	23%	23%	
Tons forage dry matter/	cow 8.1	8.0	8.7	8.5	8.0
Tillable acres per cow	3.2	3.1	3.2	2.7	2.2
Fertilizer & lime/crop	acre \$32	\$35	\$39	\$42	\$41
Machinery & Labor Costs					
Total machinery costs	\$41,499	\$54,991	\$75,651	\$94,090	\$129,309
Machinery cost per cow	\$456	\$443	\$445	\$411	\$360
Machinery cost per cwt.		\$2.93	\$2.96	\$2.55	\$2.07
Labor cost per cow	\$337	\$338	\$360	\$399	\$375
Labor cost per cwt. mil	k \$2.19	\$2.23	\$2.39	\$2.47	\$2.15
Capital Efficiency					
Investment per worker	\$168,777	\$181,169	\$193,557	\$195,094	\$209,738
Investment per cow	\$5,590	\$5,636	\$5,165	\$5,144	\$4,699
Investment per cwt. mil		\$38	\$35	\$33	\$29
Land & buildings per co		•	\$2,377	\$2,483	\$2,298
Machinery investment pe			\$1,047	\$816	\$678
Capital turnover	2.4	2.3	2.1	2.0	1.8
<u>Other</u>					
Price per cwt. milk sol	d \$13.55	\$13.64	\$13.46	\$13.70	\$13.42
Acres hay crops*	154	176	258	237	245
Acres corn silage*	71	102	144	235	326

^{*}Average of all farms.

FARM FAMILY FINANCIAL SITUATION BY HERD SIZE 458 New York Dairy Farms, January 1, 1985

	Less Than	40 to	55 to	70 to	85 to
Item Farms with:	40 Cows	54 Cows	69 Cows	84 Cows	99 Cows
Number of farms	45	100	94	64	43
realiser of faring		100	7-7	•	43
Assets				****	
Livestock (includes	\$ 39,803	\$ 59,013	\$ 81,180	\$100,161	
discounted lease payments)	(0)	(22)	(0)	(25)	(0)
Feed & supplies	11,239	17,653	26,056	34,432	41,199
Machinery & equip (includes	40,617	55,212	77,650	98,722	112,637
discounted lease payments)	(215)	(1,228)	(981)	(771)	(799)
Land & buildings (includes	121,757	144,453	194,790	227,936	246,366
discounted lease payments)	(608)	(2,293)	(1,080)	(2,649)	(4,316)
Co-op investment	950	2,842	3,971	4,747	7,902
Accounts receivable	5,903	8,170	11,281	14,229	17,314
Cash & checking accounts	1.084	1,664	2,028	3,492	2,463
Total Farm Assets	\$221,171	\$289,007	\$396,956	\$483,719	
Savings accounts	2,892	3,025	2,751	4,773	3,694
Cash value life insurance	2,071	2,119	3,115	2,670	1,908
Stocks & bonds	990	2,082	2,195	3,755	2,155
Nonfarm real estate	3,853	2,905	8,897	5,656	3,616
Auto (personal share)	1,464	1,903	2,005	1,806	1,979
All other	7,871	9,212	6,298	6,887	<u>5,231</u>
Total Nonfarm Assets	\$ 19,141	\$ 21,246	\$ 25,261	\$ 25,547	\$ 18.583
TOTAL ASSETS	\$240,312	\$310,253	\$422,217	\$509,266	
<u>Liabilities</u>					
Long-term	\$ 48,126	\$ 61,437	\$ 80,274	\$ 97,144	\$130.575
Intermediate	20,644	35,075	54,202	59,859	
Financial lease	823	3,543	2,061	3,445	5,115
Short-term	500	2,191	2,547	2,059	-
Other farm accounts	2,414	3,526	4,311	5,789	5,209
Total Farm Liabilities	\$ 72,507	\$105,772	\$143,395		\$214,949
Total Nonfarm Liabilities	190	830	856	1,816	570
TOTAL LIABILITIES	\$ 72,697	\$106,602	\$144,251		\$215,519
Farm Net Worth (Eq. Cap.)	•		\$253,561		
FAMILY NET WORTH			\$277,966		
TAILLI MET WORTH	Q107,015	γ203,031	Q277,500	φ337,134	ψ333,032
Financial Measures	=0.				
Percent equity	70%	66%			
Farm debt per cow	\$2,133	\$2,204	\$2,351	\$2,130	\$2,311
Available for debt service	_				
& living	\$22,264		\$43,287		\$57,557
Scheduled annual debt pymt.	\$13,695	\$21,704	\$29,930	\$35,772	\$45,664
Scheduled debt pymts./cow	\$398	\$447	*		\$487
Payment as % of milk check	23%	24%	24%	239	3 248
Debt/Asset ratio - long-term	0.40	0.43	0.41	0.43	0.53
Debt/Asset ratio - intermedia	ate				
2020/112200 24020 2110021110420					
& short-term	0.22	0.28	0.29	0.26	0.26

FARM FAMILY FINANCIAL SITUATION BY HERD SIZE 458 New York Dairy Farms, January 1, 1985

Item Farms with:	100 to 149 Cows	150 to 199 Cows	200 to 249 Cows	250 or More Cows
Talino with,	147 00#3	177 00 83	247 0043	HOLE OONS
Number of farms	56	25	16	15
Assets			,	
Livestock (includes	\$166,776	\$ 223,343	\$ 317,993	\$ 470,722
discounted lease payments)	(0)	(0)	(0)	(0)
Feed & supplies	60,934	81,393	113,736	189,321
Machinery & equip (includes	135,106	184,455	196,961	260,222
discounted lease payments) Land & buildings (includes	(703) 348,754	(1,250)	(6,015)	(694)
discounted lease payments)	(684)	415,970	581,058 (0)	879,980
Co-op investment	14,180	(0) 28,568	32,536	(0) 41,442
Accounts receivable	23,033	31,420	50,181	76,619
Cash & checking accounts	<u>5,401</u>	4,236	9,117	6,807
Total Farm Assets	\$754,184	\$ 969,385	\$1,301,582	\$1,925,113
Savings accounts	3,921	8,721	3,796	9,126
Cash value life insurance	3,560	6,789	3,796	9,126
Stocks & bonds	5,664	8,108	2,455	4,079
Nonfarm real estate	7,632	13,880	0	6,867
Auto (personal share)	1,817	3,173	1,063	667
All other	8,148	7.340	7,019	4,411
Total Nonfarm Assets	\$ 30,742	\$ 48,000	\$ 16,029	\$ 27,500
TOTAL ASSETS	\$784,926	\$1,017,385	\$1,317,611	\$1,9523,613
<u>Liabilities</u>				
Long-term	\$164,375	\$218,110	\$272,541	\$399,185
Intermediate	116,134	135,883	228,449	298,210
Financial lease	1,387	1,250	6,015	694
Short-term	7,550	10,275	5,801	13,752
Other farm accounts	10,893	$\frac{12,494}{12,494}$	15,708	22,605
Total Farm Liabilities	\$300,339	\$378,012	\$528,514	\$734,446
Total Nonfarm Liabilities	742	1,578	250	400
TOTAL LIABILITIES	\$301,081	\$379,590	\$528,764	\$734,846
Farm Net Worth (Eq. Cap.)	\$453,845	\$591,373	\$773,068	\$1,190,667
FAMILY NET WORTH	\$483,845	\$637,795	\$788,847	\$1,217,767
Financial Measures				
Percent equity	62%			
Farm debt per cow Available for debt service	\$2,384	\$2,160	\$2,259	\$1,918
& living	\$79,761	\$103,180	\$150,134	\$277,674
Scheduled annual debt pymt.	\$67,136	\$92,504	\$118,968	\$186,887
Scheduled debt pymts./cow	\$531	\$526	\$508	\$488
Payment as % of milk check	26%			
Debt/Asset ratio - long-term	0.47	0.52	0.47	0.45
Debt/Asset ratio - intermediate		~ ~-		
& short-term	0.31	0.27	0.33	0.30
Cash flow coverage ratio	0.78	0.76	0.94	1.18

MEASURE YOUR PERFORMANCE

After you have entered your farm business data on the pages of this workbook, categorize your farm business performance into three groups. List the strong points, those which indicate average performance, and those areas which need improvement. Your business factors that exceed the regional average should be listed as strong points, factors that are close to the regional average should be identified as average, and factors that are below average should be listed under need improvement.

The Farm Business Chart on page 20 and the Financial Analysis Chart on page 21 can be used to identify strengths and weaknesses by comparing your business with a large number of New York dairy farms summarized for the previous year. It is recommended that you use more than one standard for comparison when analyzing the farm business.

STRONG POINTS:	AVERAGE:		
NEED IMPROVEMENT:			

After identifying opportunities for improvement, consider alternative ways of solving each problem. List each alternative and analyze the consequences in detail. Cooperative Extension conducts many schools, meetings, and provides many printed materials that should be of assistance. Local agribusinesses often provide helpful information and assistance. Seek out information related to the problem under consideration.

Another way to measure your management performance is to compare your current business factors with those from previous years. Page 19 is provided for this purpose. Answering the following questions may also help evaluate your farm business progress.

- 1. Do livestock number, labor force, and crop acres make up a well balanced unit of resources?
- 2. Have rates of production shown a steady increase?
- 3. When will milk output per worker reach 700,000 pounds?
- 4. Have some costs of production declined over the last two years?
- 5. Is net farm income improving fast enough to meet your needs?
- 6. Is growth in net worth keeping up with increased capital investment?
- 7. Have you reached the business goals set for 1985 and have you set new goals for 1986?